



MAP SHOWING ALL THE STATIONS REPORTING BY TELEGRAPH
DAILY TO THE METEOROLOGICAL OFFICE FROM JULY TO DEC., 1876.

17415

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1st JULY—31st DECEMBER,

1876.

DAILY WEATHER REPORT DEC 1st 1876.

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.	
			Dirce.	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.	Dirce.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...	29.65	35	SW	3	c	29.69	+ .16	35	33	+ 1	SW	5	c	4	36	32	—	
Skudesnaes ...	29.72	36	NNE	1	c	29.74	+ .22	35	32	— 1	ENE	2	c	2	37	32	—	
Oxö (Xtiansand) ...	29.72	35	NNE	4	c	29.78	+ .28	31	29	0	N	4	c	2	36	28	—	
Skagen (The Seaw) ...	29.73	37	N	0	c	29.81	+ .30	32	30	— 6	N	0	c	0	39	30	—	
Fanö ...	29.81	38	NISH	1	c	29.76	+ .13	33	33	— 4	SE	4	f	*	41	32	—	
Cuxhaven ...	29.78	*	*	*	*	29.70	+ .03	38	37	0	SE	2	c	*	?	?	0.02	
Sumburgh Head ...	29.72	41	ESE	1	bc	29.67	+ .07	41	35	— 1	ESE	2	c	3	43	36	0.01	
Stornoway ...	29.60	32	WIND	1	c	29.43	— .16	41	39	+ 10	E	3	c	4	41	34	0.01	
Thurso ...	29.66	41	SE	2	r	29.54	— .06	41	39	+ 4	SSE	2	c	2	45	36	0.14	
Wick ...	29.67	40	S	2	c	29.52	— .09	44	41	+ 9	E	3	f	2	44	34	0.05	
Nairn ...	29.68	33	SW	1	c	29.48	— .15	40	38	+ 8	SE	3	bc	2	40	31	0.01	
Aberdeen ...	29.64	38	N	0	m	29.50	— .09	45	43	+ 12	ESE	5	c	4	45	33	0.06	
Leith ...	29.65	32	SSE	2	c	29.34	— .24	43	43	+ 8	SE	3	r	*	45	30	0.01	
Shields ...	29.64	38	N	0	f	29.42	— .24	46	45	+ 15	SE	2	ST	3	47	30	0.04	
York ...	29.68	34	ESE	1	f	29.39	— .30	44	44	+ 15	ESE	2	r	*	45	29	0.04	
Scarborough ...	29.68	44	SSE	1	c	29.41	— .28	46	45	+ 12	SE	4	c	3	46	33	0.02	
Nottingham ...	29.63	42	ENE	1	c	29.37	— .32	45	45	+ 12	SE	2	r	*	45	30	0.10	
Ardrossan ...	29.60	35	NE	3	f	29.34	— .30	42	41	+ 8	NE	3	r	2	*	*	0.04	
Greencastle ...	29.47	43	E	3	c	29.20	— .34	45	45	+ 12	ENE	3	r	*	45	30	0.08	
Donaghadee ...	29.52	46	SE	5	c	29.25	— .34	47	47	+ 17	ESE	6	c	5	47	30	0.15	
Kingstown ...	29.42	48	SE	6	c	29.19	— .37	50	50	+ 7	SSE	6	cm	4	57	42	0.36	
Holyhead ...	29.47	45	ESE	4	m	29.23	— .35	49	48	+ 7	ESE	2	r	2	50	41	0.16	
Liverpool (Bidston) ...	29.55	44	ESE	3	c	29.29	— .34	44	44	+ 8	ESE	3	r	3	45	38	0.23	
Valencia ...	29.11	52	ESE	6	c	29.08	— .25	53	57	+ 3	S	4	bc	3	56	49	0.22	
Roche's Point...	29.24	57	SE	7	r	29.15	— .25	52	57	+ 2	SSW	4	c	4	52	50	0.44	
Pembroke ...	29.37	50	SE	6	c	29.24	— .29	57	50	+ 3	SW	4	bc	4	53	47	0.33	
Portishead ...	29.48	45	SE	4	c	29.33	— .30	52	57	+ 12	SSW	4	bc	3	55	38	0.30	
Scilly ...	29.20	55	SE	7	r	29.30	— .19	53	52	—	S	6	bc	6	55	50	0.30	
Plymouth ...	29.42	49	SE	1	c	29.36	— .19	52	57	+ 3	SW	4	c	*	56	50	0.49	
Hurst Castle ...	29.51	57	SE	4	r	29.42	— .22	55	54	+ 5	SW	6	bc	5	55	47	0.36	
Dover ...	29.66	46	ESE	3	bc	29.50	— .21	52	57	+ 5	SW	3	c	3	52	45	0.32	
London ...	29.60	48	SE	2	c	29.45	— .22	52	52	+ 13	SSW	2	bc	*	52	38	0.20	
Oxford ...	*	*	*	*	*	29.39	— .29	50	49	+ 15	S	1	bc	*	50	35	0.18	
Cambridge ...	29.63	44	SSE	1	c	29.44	— .28	47	47	+ 14	S	1	r	*	48	32	0.13	
Yarmouth ...	29.69	46	SSE	2	c	29.49	— .23	46	45	+ 9	SE	3	od	*	46	36	0.02	
The Helder ...	*	*	*	*	*	29.58	— .15	40	46	— 5	ESE	1	c	*	*	*	0.04	
Cape Gris Nez ...	29.64	43	SE	2	bc	29.54	— .19	50	50	+ 7	SSW	3	c	2	50	41	0.28	
Brest ...	?	53	SSE	4	c	?	?	55	54	+ 7	SSW	4	c	5	55	48	0.20	
L'Orient ...	29.48	55	S	4	m	29.55	+ .02	55	54	+ 7	SSW	5	m	5	57	46	0.12	
Rochefort ...	29.60	52	SSE	4	c	29.72	+ .11	58	50	+ 7	SSE	5	c	3	59	39	0.08	
Biarritz ...	29.62	49	SSW	3	c	29.77	+ .20	63	57	+ 2	S	4	c	2	64	55	0.08	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.55	— .22	47	*	+ 5	SSW	3	c	*	*	*	0.02	
Charleville ...	*	*	*	*	*	29.60	— .19	47	*	+ 8	ESE	3	c	*	*	*	*	
Paris ...	29.64	45	ESE	2	c	29.67	— .11	49	*	+ 12	SSW	2	c	*	*	*	—	
Lyons ...	*	*	*	*	*	?	?	54	*	+ 9	SE	2	p	*	*	*	*	
Toulon ...	29.91	52	E	5	c	29.96	+ .05	50	50	+ 2	E	4	c	4	52	48	0.08	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.	
Skudesnaes ...	29.66	37	36	N	0	c	Valencia	29.19	52	50	SE	6	0	5
Thurso	29.65	43	41	N	0	bc	Scilly	29.24	52	52	SE	7	rd	6
Scarborough ...	29.69	42	40	SSW	2	c	London	29.64	49	47	SE	2	om	*
Greencastle ...	29.52	44	42	E	2	c	Rochefort ...	29.58	57	48	SSE	5	0	3
Holyhead	29.52	47	45	ESE	2	cg								

The barometer continues to fall in the N. and the S.E. wind is increasing. At Thurso pressure still rises.

EXPLANATION OF COLUMNS.

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

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

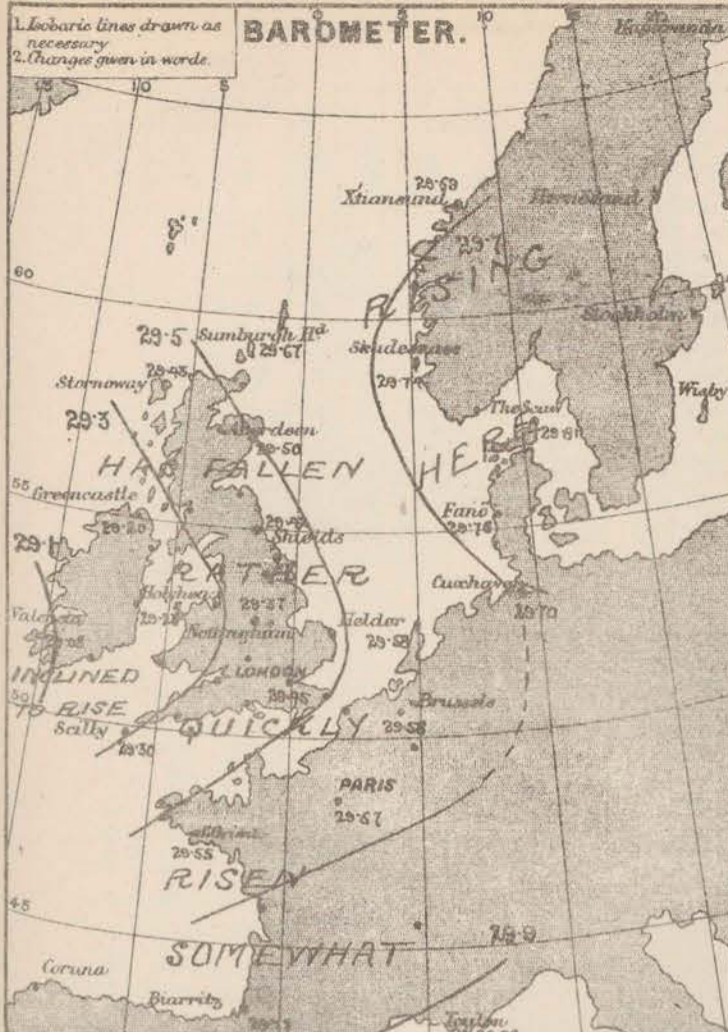
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "van" 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 Dec^r 1st 1876

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

BAROMETER.



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

TEMPERATURE.



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

WIND & SEA.



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

WEATHER.



REMARKS. The fall of the barometer which had commenced in the W. yesterday, continued rather briskly during the day, and has now spread over the whole of our Islands, whereas in the W. of France, and also in Denmark and Norway a rise has taken place. The centre of our area of low pressure is apparently lying to the W. of Ireland, but the gradients over W. Europe are not steep. A moderate gale from the S.E. was felt on our SW. coasts last evening. Fresh to strong S. winds are now reported from the S. stations, moderately SE. in the E. and light E. in the N. and NW. coasts, but at L. & S. the wind draws into S.W. and is fresh. Temperature has risen very quickly over France, and the United Kingdom, and is now high for the time of year. In central England the rise since yesterday varies from 12° to 15°. Rain has again fallen very generally, and still continues with the SE. wind at several of the NW. and E. stations. In the S. of England, however, the sky has since cleared considerably, and in the N. of Scotland it is moderately clear. On the E. shores of the Irish Sea, however, the weather is dull, and much rain is reported at L. & S. The sea is rather rough in the Channel, moderate along our W. coasts but slight elsewhere. Our W. and SW. coasts were warmed yesterday.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 6/- per quarter.

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT

Dec 2nd

1876.

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 ...	29.65	7	S	4	bc	29.67	+ .06	0	-2	-14	NN	4	bc	*	*	*	-	
Hernösand ...	29.68	19	N	0	o	29.59	- .06	19	19	-3	ENE	4	s	*	*	*	0.04	
Stockholm ...	29.70	23	SW	2	c	29.54	- .18	22	21	-4	WSW	2	o	*	*	*	-	
Wisby ...	29.80	33	S	2	c	29.56	- .25	34	32	-1	SSE	2	o	*	*	*	-	
Christiansund ...	29.71	34	SSW	3	bc	29.65	- .06	32	32	-3	NNE	1	a	2	34	32	-	
Skudesnaes ...	29.65	35	ENE	2	o	29.45	- .20	32	28	-3	NE	2	c	2	26	7	-	
Oxö (Xiansand) ...	29.70	31	NE	4	o	29.50	- .20	29	28	-2	NE	6	s	4	41	27	-	
Skagen (The Scaw) ...	29.67	38	ENE	2	o	29.49	- .32	35	35	+3	ESE	4	o	3	37	36	0.04	
Fanö ...	29.55	38	SE	4	tw	29.37	- .39	38	38	+5	ENE	4	T	*	?	32	0.39	
Cuxhaven ...	29.57	*	*	*	*	29.31	- .39	50	50	+12	SW	4	T	*	?	?	0.31	
Sumburgh Head ...	29.59	42	ENE	5	c	29.58	- .09	41	36	0	NE	5	bc	5	43	38	-	
Stornoway ...	29.36	45	E	7	o	29.48	+ .05	43	39	+2	E	7	bc	7	45	39	-	
Thurso ...	29.47	44	ESE	3	T	29.54	00	41	38	0	ENE	5	o	4	45	41	0.08	
Wick ...	29.44	44	E	5	o	29.54	+ .02	44	39	0	E	5	o	5	46	44	0.03	
Nairn ...	29.37	42	ENE	2	o	29.46	- .02	40	39	0	ENE	5	o	4	43	39	0.11	
Aberdeen ...	29.38	45	SE	5	T	29.41	- .09	42	40	-3	ENE	8	T	8	47	42	0.37	
Leith ...	29.25	45	ENE	4	T	29.31	- .08	44	44	+1	ENB	5	T	*	48	42	0.41	
Shields ...	29.26	47	SSW	2	o	29.22	- .20	48	48	+2	ENE	3	W	4	48	45	0.33	
York ...	29.37	49	S	2	o	29.22	- .17	46	45	+2	NNW	1	o	*	50	43	0.49	
Scarborough ...	29.38	48	S	2	o	29.21	- .20	45	44	-1	N	1	af	1	49	44	0.46	
Nottingham ...	29.22	57	SE	3	T	29.34	- .13	46	46	+1	?	1	m	*	55	44	0.18	
Ardrossan ...	29.22	45	NE	3	T	29.29	- .05	45	43	+3	ENE	5	o	3	47	42	0.07	
Greencastle ...	29.13	47	E	2	o	29.22	+ .02	47	46	+2	E	3	o	*	48	43	0.11	
Donaghadee ...	29.13	49	E	5	o	29.20	- .05	48	48	+1	E	5	o	4	49	46	0.26	
Kingstown ...	29.07	50	SE	4	T	29.16	- .03	47	47	-3	SSE	1	W	2	57	44	0.27	
Holyhead ...	29.08	49	S	2	T	29.18	- .05	47	47	-2	N	0	f	0	53	46	0.26	
Liverpool (Bidston) ...	29.15	49	ESE	3	T	29.21	- .08	45	44	+1	S	1	f	1	50	44	0.33	
Valencia ...	28.95	50	NE	2	T	29.13	+ .05	44	43	-9	ENE	1	o	2	55	?	0.05	
Roche's Point ...	28.97	50	NE	5	T	29.44	- .04	48	47	-4	SE	1	o	5	52	48	0.32	
Pembroke ...	29.03	54	S	5	o	29.16	- .08	57	57	0	SSW	1	om	5	54	50	0.27	
Portishead ...	29.15	43	SSW	6	q	29.23	- .10	52	49	-2	SSW	3	yo	3	54	47	0.21	
Scilly ...	28.96	53	SSW	9	T	29.19	- .11	53	52	0	S	5	o	6	56	57	0.56	
Plymouth ...	29.13	52	SW	5	o	29.22	- .14	52	57	0	S	2	o	*	56	57	0.59	
Hurst Castle ...	29.26	54	SSW	6	T	29.26	- .16	53	53	-2	N	4	o	6	55	50	0.48	
Dover ...	29.37	53	SW	5	o	29.35	- .15	53	52	+1	SW	4	SW	4	55	50	0.46	
London ...	29.32	54	S	3	of	29.29	- .16	52	51	0	WSW	1	o	*	57	50	0.35	
Oxford ...	*	*	*	*	*	29.25	- .14	51	49	+1	SW	1	o	*	57	50	0.20	
Cambridge ...	29.33	57	SW	1	T	29.27	- .17	49	48	+2	SW	1	o	*	55	45	0.10	
Yarmouth ...	29.39	59	S	5	o	29.24	- .25	50	49	+4	WSW	4	q	3	52	45	0.35	
The Helder ...	*	*	*	*	*	29.23	- .35	50	49	+10	SSW	3	T	*	*	*	0.43	
Cape Gris Nez ...	29.43	54	SSW	4	T	29.36	- .18	52	52	+2	SSW	7	T	6	55	48	0.24	
Brest ...	?	55	SW	7	o	?	?	57	55	+2	SW	5	T	7	57	52	1.06	
L'Orient ...	29.43	55	WSW	8	T	29.44	- .11	59	55	+4	SW	6	m	8	61	37	1.22	
Rochefort ...	29.70	57	SW	6	o	29.59	- .13	59	59	+9	SW	6	o	4	59	39	-	
Biarritz ...	29.78	63	S	5	o	29.71	- .06	60	55	+5	S	3	a	5	66	59	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.45	- .13	57	*	+4	SW	3	T	*	*	*	0.11	
Charleville ...	*	*	*	*	*	29.49	- .11	57	*	+4	SSE	3	T	*	*	*	*	
Paris ...	29.59	56	S	4	o	29.52	- .15	55	*	+6	S	5	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	58	*	+4	S	2	bc	*	*	*	*	
Toulon ...	30.00	*	NE	*	*	30.01	+ .05	52	52	+2	ENE	4	o	4	52	46	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.67	55	32	E	1	o	2	Valencia	28.99	53	50	E	2	c	3
Thurso	29.50	44	41	ESE	2	o	2	Scilly	29.08	56	55	SSW	8	o	6
Scarborough ...	29.32	49	48	S	3	of	3	London	29.43	56	54	SSE	2	o	*
Greencastle ...	29.17	47	47	E	2	T	*	Rochefort ...	29.70	59	54	SSW	6	o	4
Holyhead	29.22	57	57	S	2	cm	2								

The mercury has begun to fall very fast at Scilly since 8 a.m., and a fresh gale from SSW has set in at that station. Warnings extended to our S and E. coasts this afternoon.

EXPLANATION OF COLUMNS.

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

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

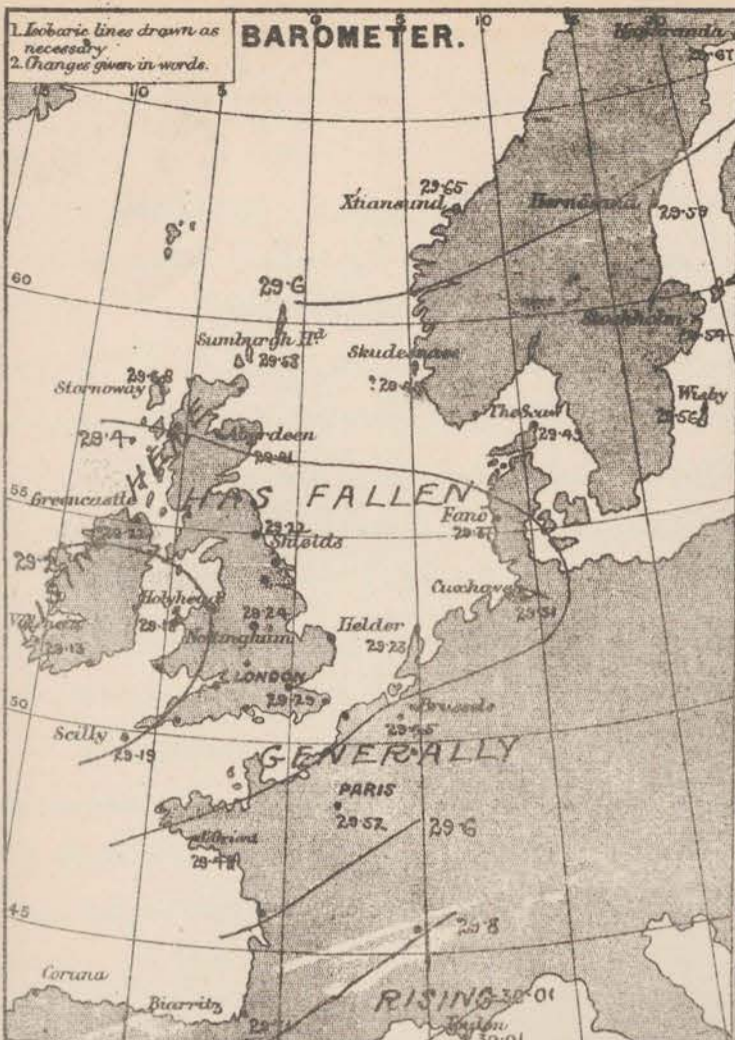
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 Dec^r 2nd 1876

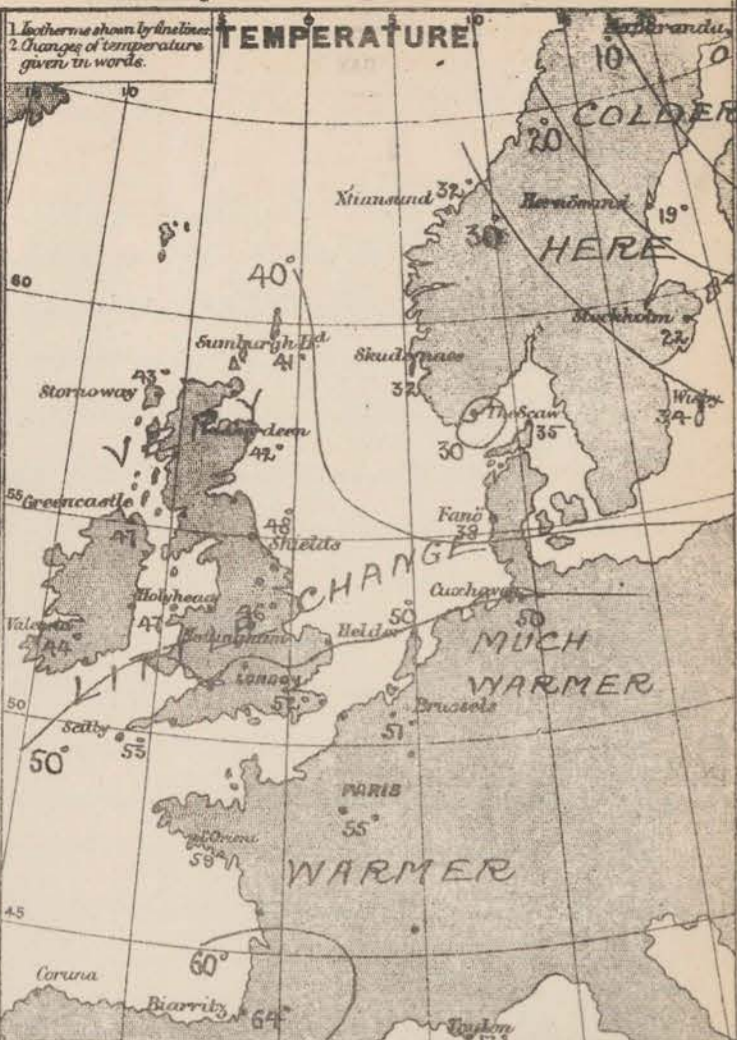
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



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

WIND & SEA.



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

WEATHER.



REMARKS. The depression which lay off the W. of Ireland yesterday morning has apparently now moved a little to the W., and during last night a second disturbance advanced rapidly from the S.W. over the E. of England, and was this over the North Sea. The barometer has consequently fallen generally, and rather steep gradients for E. winds prevail in the N., equally steep ones for S.W. winds are found in the S. The wind rose to fresh gales from the S.W. at all the S. stations last night, but this has now subsided, and moderate S. to S.W. breezes prevail in those regions. In the N., however, as fresh E. breeze has set in, which has reached the form of a fresh gale at Aberdeen, and a slight gale at Stornoway. Temperature has not changed much in our Islands, but has risen considerably in N. Germany. In the N. of Scandinavia, however, it is very low, the reading being down to zero at the far end. Rain has again fallen in all parts of our Islands, and is now falling in the Netherlands. The weather is very dull and wet generally. The is very high in the N. and at the mouth of the Channel, rough in the S., but slight now on E. coast. Our W. coasts were somewhat so Thursday, our S. and E. coasts yesterday.

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

R. H. SCOTT.
Director.

SUMMARY OF WEATHER IN WESTERN EUROPE

from *Nov^r 26th* to *Dec^r 2nd* 1876.

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

During this period the weather over the British Isles and their neighbourhoods has been governed by cyclonic systems passing from S.W. to N.E. over us. During the first few days we were under the influence of two very slow moving disturbances one lying over our S.W. and the other over our N.W. stations. As they moved across us the wind varied from S. through S.W. and N. into N.W. and the weather was very unsettled. When these disturbances had disappeared (30th) a brisk fall of the barometer appeared in the S.W. and by the morning of Friday the centre of a deep depression appeared off the W. of Ireland and fresh or strong breezes prevailed in the S. and E. winds in the N. On the evening of that day a separate and brisk fall of the mercury occurred in the S.W. with a strong gale and during the following night a deep but small disturbance passed over Central England causing hard S.W. gales in the Channel. After its passage a slight recovery set in, but in the evening a fresh decrease appeared at Lillie, as a new disturbance advanced towards that station and N.E. gales set in on the E. coast of Scotland.

NOV^r 26th The barometrical depression which lay over Central England on the afternoon of the 25th had continued to travel N.W. and was found at 8 am between the Orkney and Shetland Islands, causing a brisk fall of the barometer at all the Scotch and Scandinavian stations. Over France and the greater part of England, a slight recovery was in progress, but over Ireland, a fresh disturbance was advancing from the W. and the barometer was falling briskly. Moderate S. to S.W. breezes were reported, from most of our own and the French coasts, but on the E. shores of the North Sea and at Scarborough Head strong S.E. winds were experienced. Temperature had fallen over Scotland and the E. of England, but risen slightly elsewhere. The sky was clear in the S.E. but was cloudy or overcast in most other parts, and rain was falling in many places. In the evening the two depressions were still shown the one to the N.W. of Scotland, the other still advancing over Ireland.

NOV^r 27th A slight rise of the barometer was reported from our N.W. stations, though the disturbance noticed in that neighbourhood still existed there; in the S. however the changes were greater the second depression having advanced from the W. as far as Pembroke. The barometer had consequently fallen fast over France and England while it had begun to rise briskly over Ireland. Gradients were rather steep on the S.W. and E. sides of the centre, and the winds which circulated round it were fresh in force in the S. and E. but on its N.W. side readings were very uniform, and the wind light and variable. Temperature was rising in the E. but falling elsewhere - especially over Ireland where the N.W. wind prevailed. The weather was wet and very unsettled. During the day the S.W. depression moved N.E. to Central England while that which had been lying near the Shetlands travelled S.W. to the E. of Scotland.

NOV^r 28th At 8 am the two depressions which lay over the North Sea, coalesced into one, bounded by the isobar of 29.3, whence readings increased to 29.8 inches in the S. of France, and 29.6 inches in the N. of Sweden. On the E. shores of the North Sea the barometer was falling fast, while over France, and the greater part of these Islands the mercury was rising, in the N. however a slight decrease had commenced during the night. Light to moderate N.W. breezes prevailed at our stations, a strong S.W. gale in Belgium, and light S. to S.E. winds in Denmark and Norway. Temperature had risen several degrees on our N.E. coast but fallen in most other places. The sky had

cleared considerably in many parts of these Islands, but at Brussels and in Denmark rain was falling. By the evening the more S^W portion of the depression had advanced to Denmark, while the remainder still lay off the E. of Scotland, the direction of the wind showing that a ridge of high pressure existed between them, a slight decrease of pressure had however occurred in the S^W and gradients were slighter.

NOV^r 29th The general distribution of pressure was very similar to that of the previous evening, while the highest readings were found over France. In most places the barometer was rising but on our S^W coasts, and over the Baltic it was falling. The changes were slight and readings generally uniform. Over France and the greater part of England and Ireland, light N^E winds prevailed but further to the N^W variable air was reported. Temperature had fallen somewhat in most places the change being greatest in the N^E of England, and the E. of Scotland. In those localities a slight frost prevailed, while in London no frost had been observed. The sky was generally moderately clear. During the day the decrease of pressure in the S^W east disappeared and a slight recovery occurred generally.

NOV^r 30th The barometer was rising in nearly all parts of N^W Europe - most on the shores of the North Sea - but on our S^W coast a rather brisk fall had occurred during the night, and a depression was apparently advancing towards Ireland. The wind had consequently backed to S. and S^E. over the Bay of Biscay and our N^W stations, while elsewhere light breezes prevailed. Temperature had increased several degrees at the S^W stations but had fallen elsewhere and was as low as 29° at York. The sky was clear in the N. but cloudy elsewhere, with a great deal of fog about. During the day the fall in the S^W continued and extended and the S^E wind freshened to a strong breeze.

DEC^r 1st The decrease of pressure noticed above had spread to all parts of these Islands, the Netherlands, and N. Germany, but in the N. of France, and also over Scandinavia the mercury was rising. The centre of a depression lay apparently to the N^E of Ireland, but gradients were not steep, and the wind which was S^W by S in the S. and S^E by E in the N. was fresh or moderate in force. Temperature had risen quickly over France, and Great Britain, and to a less extent elsewhere. The weather was very unsettled and the sky was overcast, with rain in many places. Later reports showed a rapid fall of the barometer at Seilly, where also the wind had increased to a hard gale from S^W, while at Stornoway a slight E^{ly} gale had set in.

DEC^r 2nd A large area of low pressure lay over Ireland and Wales, while a much smaller one, which had caused the quick fall of the barometer at Seilly on the previous evening had passed quickly along S^W England during the night and lay over the North Sea. The barometer had consequently fallen in most places since the 1st though the change was not great except over Denmark, and at our stations the mercury was rising again. A strong S^W gale had been experienced in the Channel during the previous ^{night}, at 8 am fresh S^W breeze prevailed over France and the Channel, very light winds over England, and strong E^{ly} winds in Scotland, amounting to a gale at Skiddeau. Temperature had not changed much except in Sweden where it had fallen fast and was very low. Rain had been general and continued accompanied by snow on the E^{tn} shores of the North Sea. During the day the mercury fell in the S^W while it rose in the N. and very steep gradients were formed as a deep depression advanced on our S^W coasts.

DAILY WEATHER REPORT *Dec. 3rd* 1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 350 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.47	-0.4	NN	2	o	29.38	-29	2	1	+ 2	N	2	o	*	*	*	-	
Hernösand ...	29.50	?	N	o	b	29.39	-20	?	?	?	N	2	b	*	*	*	-	
Stockholm ...	29.47	23	NNN	2	b	29.57	-03	15	15	- 7	N	2	b	*	*	*	-	
Wisby ...	29.44	24	E	2	o	29.57	+09	29	28	- 5	NNN	6	o	*	*	*	-	
Christiansund ...	29.65	32	N	4	c	29.65	00	34	33	+ 2	NNE	4	c	3	34	30	0.79	
Skudesnaes ...	29.65	31	ENE	1	b	29.60	+15	32	28	o	ENE	2	o	2	34	30	-	
Oxö (Xiansand) ...	29.60	30	NNE	6	b	29.66	+16	27	24	- 2	N	4	b	3	32	25	-	
Skagen (The Scaw) ...	29.59	31	ENE	4	b	29.68	+19	28	26	- 7	E	2	b	0	36	27	-	
Fanö ...	29.52	37	NE	4	c	29.55	+12	35	34	- 3	E	4	c	*	39	34	0.08	
Cuxhaven ...	?	*	*	*	*	29.48	+17	41	41	- 9	N	4	o	*	*	*	0.24	
Sumburgh Head ...	29.67	40	NE	4	c	29.57	-07	40	35	- 1	E	6	c	5	42	37	-	
Stornoway ...	29.54	40	E	8	b	29.47	-31	39	38	- 4	E	10	c	7	43	38	0.04	
Thurso ...	29.62	39	NE	3	b	29.33	-21	41	37	o	ENE	6	o	4	43	37	0.01	
Wick ...	29.60	41	ENE	4	b	29.30	-24	41	38	- 3	E	9	o	8	42	40	-	
Nairn ...	29.53	40	ENE	3	c	29.23	-23	38	37	- 2	ENE	6	o	4	42	37	0.02	
Aberdeen ...	29.54	43	ENE	7	o	29.22	-19	40	38	- 2	E	10	c	9	44	40	0.32	
Leith ...	29.44	43	E	5	1	29.00	-31	44	44	o	E	6	o	*	46	41	0.31	
Shields ...	29.41	47	E	7	o	28.99	-23	49	48	+ 1	SE	7	o	7	49	47	0.81	
York ...	29.26	47	ESE	2	o	28.99	-23	57	49	+ 5	S	4	c	*	57	44	0.66	
Scarborough ...	29.38	49	ENE	5	o	29.04	-17	48	48	+ 3	SSE	4	o	4	48	43	0.60	
Nottingham ...	29.34	47	ESE	3	1	28.99	-25	52	57	+ 6	SSE	5	o	*	57	46	0.62	
Ardrossan ...	29.34	44	ENE	7	c	28.86	-43	45	43	o	ENE	6	o	5	46	40	0.18	
Greencastle ...	29.23	45	E	5	o	28.66	-56	47	47	o	E	5	1	*	48	40	0.75	
Donaghadee ...	29.18	47	ENE	7	o	28.71	-49	50	50	+ 2	ESE	7	c	8	50	43	1.18	
Kingstown ...	29.46	50	ESE	5	1	28.57	-59	52	57	+ 5	SSE	6	c	5	52	46	1.33	
Holyhead ...	29.11	49	E	4	1	28.69	-49	57	50	+ 4	SSE	6	c	4	53	47	0.56	
Liverpool (Bidston) ...	29.30	47	E	4	1	28.87	-40	57	49	+ 6	ESE	5	o	3	52	45	0.57	
Valencia ...	28.78	50	ENE	3	o	28.55	-58	49	46	+ 5	N	3	c	4	53	42	0.43	
Roche's Point ...	28.76	48	? E	6	1	28.53	-61	57	50	+ 3	SW	6	o	5	57	46	0.52	
Pembroke ...	29.01	52	SSE	5	1	28.65	-57	53	57	+ 2	SSW	8	c	6	55	50	0.29	
Portishead ...	29.19	52	S	3	1	28.89	-34	53	57	+ 3	S	8	o	5	58	48	0.36	
Seilly ...	28.97	56	SSW	9	1	28.82	-37	53	52	o	SSW	10	o	7	57	52	0.35	
Plymouth ...	29.11	56	SW	4	o	28.90	-32	52	50	o	SW	7	o	*	59	57	0.36	
Hurst Castle ...	29.24	55	S	5	o	29.03	-23	56	55	+ 3	SW	7	c	6	58	50	0.40	
Dover ...	29.37	53	N	o	o	29.17	-18	54	52	+ 1	S	5	b	5	55	52	0.43	
London ...	29.32	54	S	7	o	29.09	-20	55	53	+ 3	S	5	o	*	57	50	0.29	
Oxford ...	*	*	*	*	*	29.00	-25	53	57	+ 2	SSE	3	1	*	56	57	0.50	
Cambridge ...	29.33	50	S	1	1	29.08	-19	52	57	+ 3	SSE	2	o	*	55	48	0.35	
Yarmouth ...	29.36	47	NNE	1	o	29.18	-06	57	50	+ 1	S	4	b	3	57	46	0.18	
The Helder ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cape Gris Nez ...	29.37	55	SSW	1	o	29.17	-19	54	52	+ 2	S	5	b	4	57	50	0.35	
Brest ...	?	57	SSW	6	m	?	?	54	52	- 3	SW	5	o	7	61	52	0.20	
L'Orient ...	29.31	59	SW	6	m	29.20	-24	55	55	- 4	WSW	6	m	8	61	50	0.24	
Rocheport ...	29.50	59	SSW	5	b	29.45	-14	59	55	o	WSW	6	c	5	64	46	-	
Biarritz ...	29.53	66	S	6	o	29.52	-19	63	55	- 1	S	4	b	5	72	61	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels ...	*	*	*	*	*	29.35	-10	57	*	o	SSW	6	o	*	*	*	0.41	
Charleville ...	*	*	*	*	*	29.38	-11	50	*	- 1	SSW	1	1	*	*	*	*	
Paris ...	29.49	48	S	3	c	29.37	-15	53	*	- 2	S	3	o	*	*	*	0.08	
Lyons ...	*	*	*	*	*	?	?	62	*	+ 4	S	7	o	*	*	*	*	
Toulon ...	29.95	55	ESE	3	m	29.86	-15	55	55	+ 3	S	2	m	4	*	*	*	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.56	34	31	ENE	1	b	2	Valencia	28.99	48	47	E	1	2
Thurso	29.54	41	37	NE	5	b	4	Scilly	29.04	56	56	SSE	7	6
Scarborough ...	29.33	47	46	ENE	4	o	4	London	29.32	55	54	N	o	*
Greencastle ...	29.26	46	44	E	5	o	*	Rocheport ...	29.56	63	55	SW	8	7
Holyhead	29.21	49	49	E	2	m	2							

The barometer has begun to fall fast in the S.W. and the wind at Seilly has backed further toward S.E. and increased to a slight gale with rain.
Our N.W. and S.W. coasts warned this afternoon, signals being still up in the E. and S.

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 DEC^R 1876



REMARKS The depression which lay over the North Sea yesterday morning travelled away E^W during the day but at the same time a new and brisk decrease of pressure set in on our south west coasts, and the wind quickly freshened from the S^W in that region. These changes were caused by the advance from the Atlantic of a very deep depression, in the centre of which readings are below 28 and a half inches, and which has occasioned very heavy gales on all but our south east coasts. The disturbance is at present situated over the western portion of Ireland, and, as the barometer stands as high as 29.6 in Norway and 29.4 in the south of France, very steep gradients for both E^W and S^W winds are prevalent. We consequently find that hard S^W gales are blowing on our south west coasts, strong S^W winds in the south, a moderate SE^W gale in the north east, and a whole gale from E in Scotland this morning, whilst the sea, which is rough on all coasts, is running tremendously high off Aberdeen. Heavy rain has fallen at many of our stations and wet weather is still prevailing on some parts of our western coasts. The sky is overcast generally.

Warnings were issued to our west and north coasts yesterday afternoon. Our south and east coasts were warned on Friday.

DAILY WEATHER REPORT DEC^r 4th 1876.

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 ...	29.59	-8	N	2	b	29.77	+ .39	-16	-16	-18	NNE	2	o	*	*	*	-	
Hernösand ...	29.69	17	N	4	b	29.85	+ .46	?	?	?	NN	2	b	*	*	*	-	
Stockholm ...	29.63	21	NNW	3	c	29.75	+ .24	22	21	+ 7	NE	2	o	*	*	*	-	
Wisby ...	29.68	24	N	6	bc	29.45	+ .48	28	28	- 1	E	6	c	*	*	*	-	
Christiansund ...	29.63	36	ESE	5	b	29.31	+ .34	32	28	- 2	ESE	4	b	3	34	25	-	
Skudesnaes ...	29.41	37	E	6	o	29.18	- .42	37	32	+ .25	E	8	o	5	37	32	-	
Oxö (Xiänsand) ...	29.58	40	ENE	6	o	29.41	- .25	33	29	+ .6	ENE	8	c	5	36	28	-	
Skagen (The Scaw) ...	29.63	31	E	6	o	29.50	- .18	29	27	+ 1	ESE	9	o	8	32	27	-	
Fanö ...	29.31	26	E	6	c	29.11	- .44	37	36	+ 2	SE	8	r	*	?	34	0.47	
Cuxhaven ...	29.33	*	*	*	*	29.07		42	42		SE	5	of	*	?	?	0.32	
Sumburgh Head ...																		
Stornoway ...	28.76	44	E	11	o	28.51	- .66	46	44	+ 7	SE	4	bc	6	44	39	0.11	
Thurso ...																		
Wick ...	28.85	42	ESE	10	r	28.72	- .58	45	44	+ 4	ESE	9	P	9	46	43	0.21	
Nairn ...	28.77	43	ENE	7	o	28.65	- .58	48	46	+ 10	ENE	2	o	5	48	38	0.03	
Aberdeen ...	28.85	45	ESE	10	P	28.67	- .55	47	46	+ 7	ESE	8	P	9	49	40	0.52	
Leith ...	28.70	50	SSE	3	r	28.57	- .43	46	44	+ 2	E	2	o	*	32	41	0.05	
Shields ...	28.79	50	S	5	bc	28.52	- .48	48	47	- 1	E	8	otw	7	67	47	0.12	
York ...	28.85	50	S	3	bc	28.44	- .55	44	48	- 2	S	1	o	*	54	44	0.23	
Scarborough ...	28.85	49	SSE	3	bc	28.47	- .57	48	48	o	SE	5	op	5	49	45	0.18	
Nottingham ...	28.88	50	S	3	o	28.38	- .61	49	48	- 3	SE	4	bc	*	55	46	0.23	
Ardrossan ...	28.62	50	SSE	6	o	28.53	- .33	44	43	- 1	NE	3	of	2	52	44	0.46	
Greencastle ...	28.44	47	SSE	3	o	28.43	- .23	47	46	o	ESE	2	o	*	50	45	0.27	
Donaghadee ...	28.58	47	SSE	4	c	28.46	- .28	47	47	- 3	E	5	r	4	50	46	0.33	
Kingstown ...	28.58	50	S	3	bc	28.46	- .11	49	48	- 3	NN	4	r	3	52	48	0.28	
Holyhead ...	28.66	51	SW	21	r	28.33	- .36	48	47	- 3	ENE	3	m	3	53	47	0.23	
Liverpool (Bidston) ...	28.76	48	SSE	3	o	28.52	- .49	48	48	- 3	E	2	o	2	53	46	0.27	
Valencia ...	29.50	52	WSW	4	bc	28.87	- .04	50	47	+ 1	N	4	bc	4	53	43	0.03	
Roche's Point...	28.56	49	SW	5	c	28.57	- .02	46	44	- 5	NNN	2	o	5	52	45	0.08	
Pembroke ...	28.72	52	SSW	5	bc	28.35	- .30	48	47	- 5	NN	7	P	4	53	47	0.33	
Portishead ...	28.56	50	SW	4	b	28.20	- .69	48	48	- 5	N	3	m	3	54	46	0.25	
Scilly ...	28.75	53	SW	6	o	28.55	- .27	52	50	- 1	N	6	o	6	56	48	0.06	
Plymouth ...	28.84	53	SW	2	b	28.42	- .48	48	47	- 4	N	8	o	*	56	47	0.53	
Hurst Castle ...	28.96	55	SW	6	bc	28.29	- .74	50	50	- 6	SW	9	o	7	55	48	0.67	
Dover ...	29.07	53	SW	3	b	28.58	- .59	50	49	- 4	S	5	gpc	5	55	?	0.12	
London ...	28.99	53	SSW	4	pbc	28.42	- .67	51	49	- 4	S	8	cy	*	56	50	0.31	
Oxford ...	*	*	*	*	*	28.38	- .70	49	47	- 4	S	5	P	*	57	47	0.50	
Cambridge ...	28.98	50	S	3	c	28.44	- .64	51	49	- 1	SSE	2	o	*	56	47	0.21	
Yarmouth ...	29.03	50	SSW	4	b	28.58	- .60	49	48	- 2	S	4	b	4	52	46	0.28	
The Helder..	*	*	*	*	*	28.75		50	50		SSE	3	P	*	*	*	0.32	
Cape Gris Nez ...	28.94	52	SSW	5	bc	28.63	- .34	52	50	- 2	S	8	r	7	57	50	0.14	
Brest ...	?	57	S	5	r	?	?	52	52	- 2	WSW	9.5	o	8	59	48	0.87	
L'Orient ...																		
Rocheport ...	29.21	59	SSW	5	o	29.07	- .38	55	52	- 4	WSW	10	o	7	61	52	0.39	
Biarritz ...	29.31	64	SSW	5	o	29.24	- .18	57	55	- 6	SW	4	bc	7	68	52	0.34	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	28.80	- .55	52	*	+ 1	S	6	o	*	*	*	0.01	
Charleville ...	*	*	*	*	*	28.54	- .34	54	*	+ 4	SSW	9	gpc	*	*	*	*	
Paris ...	29.23	55	SSW	5	c	28.90	- .47	52	*	- 1	SSW	5	o	*	*	*	0.20	
Lyons ...	*	*	*	*	*	?	?	58	*	- 4	SW	2	r	*	*	*	*	
Toulon ...	29.69	57	W	14	sp	29.53	- .33	55	54	o	SW	3	o	7	57	55	0.20	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...						Valencia ...					
Thurso ...						Scilly ...					
Scarborough ...						London ...					*
Greencastle ...					*	Rocheport ...	?	59	59	WSW	5 o 4
Holyhead ...											

EXPLANATION OF COLUMNS.

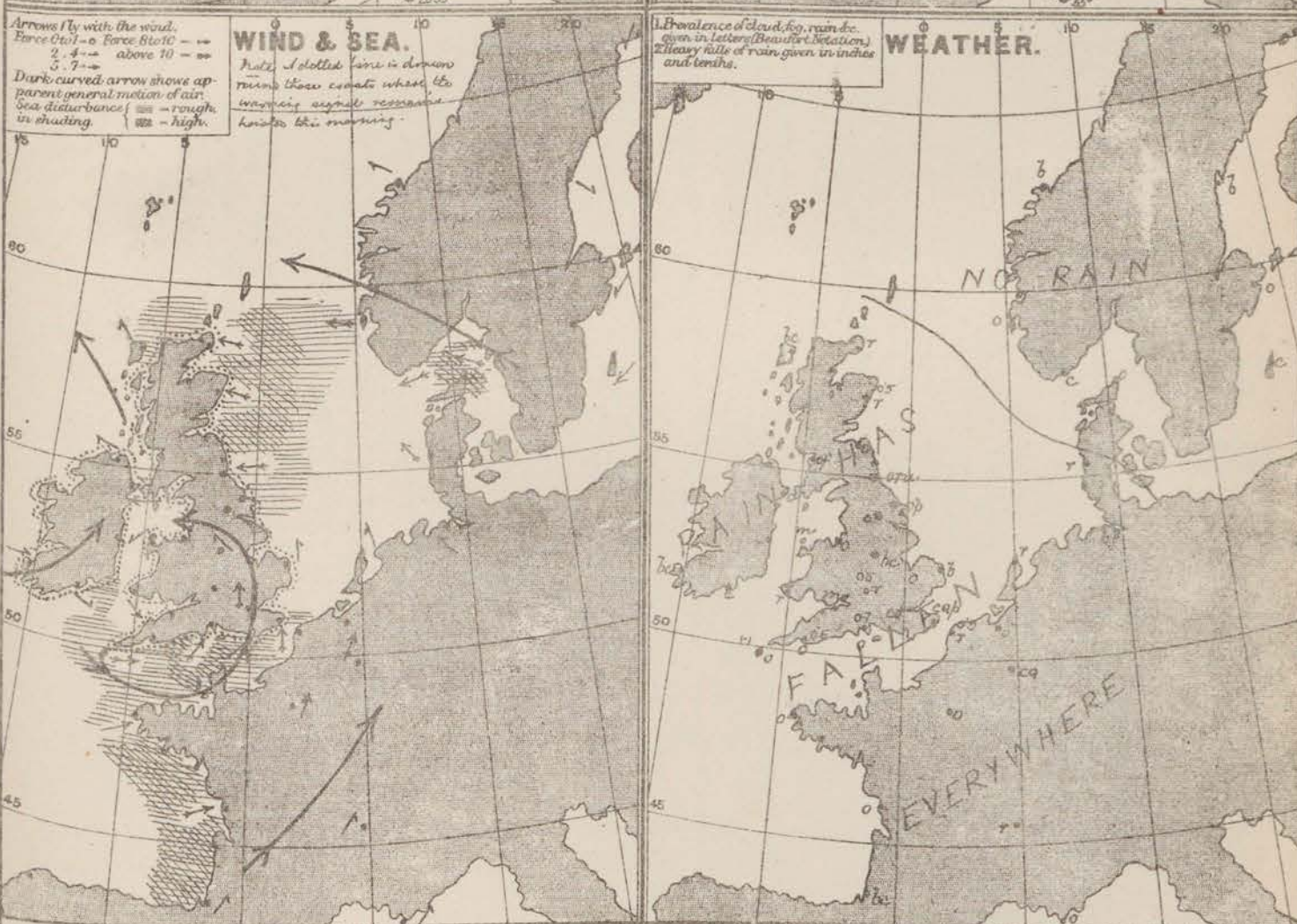
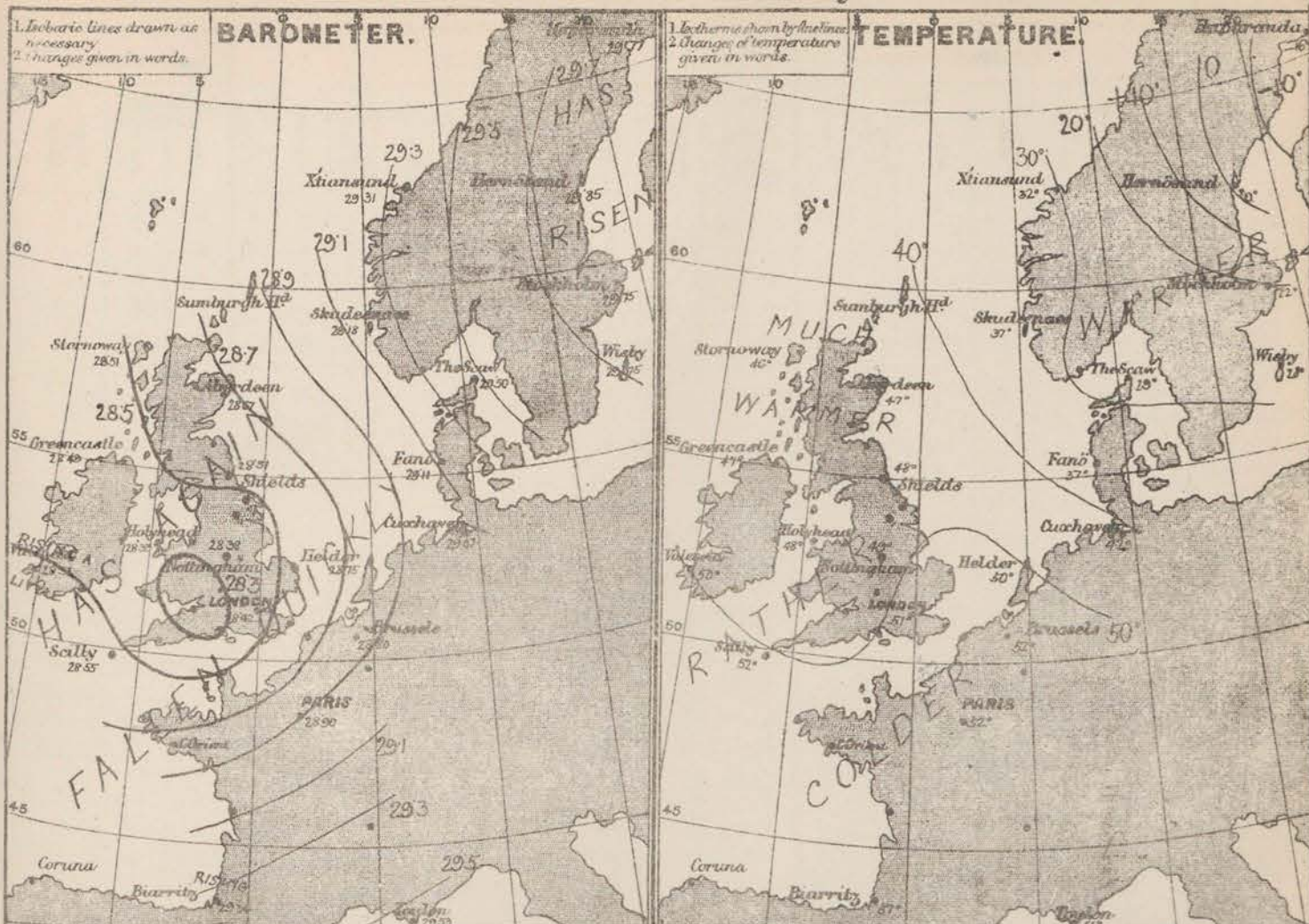
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

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

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

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

WEATHER CHARTS for 8 a.m on Monday 4TH DEC^R 1876



REMARKS The brisk fall of the barometer reported from Billy on Saturday afternoon continued, and extended during the evening, and yesterday morning a very deep depression was shown over the south of Ireland, while the wind at the same time had increased to a hard gale, small but our northwest coasts with very wet weather and a high sea. At the same time the disturbance has moved slowly NW, and is now apparently lying off our northwest coasts but during last night a small but very deep subsidiary depression has advanced to the neighbourhood of the Bristol Channel (Portsmouth 28.20 in) and the barometer has fallen very fast at all our more northern stations. In the west the change has been very slight but the barometer is much below 29 inches in all parts of our islands, and is low everywhere. The wind flows from NW over the St. George's Channel, from W over the English Channel and France, from S with the east of England and from E at all our more northern stations. In the south, south east and north a strong or fresh gale is reported but the force is moderate elsewhere. Temperature has risen in Scotland but fallen on all other coasts and is very uneven. The weather is overcast, wet and squally except in the south of Ireland, and rain is falling everywhere. The sea is very high on all except the shores of the Irish Sea. All winds were warned on Friday or Saturday, and the signals have been kept up.

DAILY WEATHER REPORT DEC 5th 1876.

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.	Sun. (8 to 12).	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 ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...	29.23	36	SSE	6	bc	29.12	-.19	40	33	+ .8	SSE	6	c	3	?	32	-	
Skudesnaes ...	29.04		E	9	o	29.95	-.23	39	35	+ .2	E	9	o	7	?	37	-	
Oxö (Tjäsand) ...	29.26	31	ENE	9	s	29.16	-.25	35	35	+ .2	ENE	9	s	8	?	27	?	
Skagen (The Seaw)																		
Fanö ...	28.94	40	SE	6	r	29.15	+ .04	44	44	+ .9	S	4	e	*	45	37	0.40	
Cuxhaven ...	28.94	*	*	*	*	29.24	+ .13	49	49	+ .2	SW	8	o	*	?	?	0.19	
Sumburgh Head																		
Stornoway	28.57	44	ESE	4	r	28.53	+ .02	46	46	o	SSW	2	r	14	45	43	0.32	
Thurso ...	28.58	44	SE	6	r	28.58	-.14	44	43	o	ESE	3	o	3	47	42	0.47	
Wick ...	28.55	46	ENE	10	b	28.55	-.17	45	44	o	ESE	3	o	9	46	41	0.19	
Nairn ...	28.49	45	ENE	2	o	28.57	-.08	41	40	- .7	ENE	7	o	4	48	41	0.06	
Aberdeen ...	28.52	47	ESE	8	r	28.56	-.11	46	45	- .1	SSW	1	b	6	49	45	0.32	
Leith ...	28.45	46	ESE	3	c	28.65	+ .08	48	46	+ .2	WSW	2	c	*	50	43	0.07	
Shields ...	28.47	49	ESE	2	s	28.75	+ .24	46	44	- .2	SSW	4	b	4	50	43	0.04	
York ...	28.47	47	NNW	1	o	28.82	+ .38	45	43	- .4	S	2	bc	*	51	43	0.08	
Scarborough ...	28.45	47	SW	1	b	28.85	+ .38	45	44	- .3	SSW	4	b	4	49	44	0.13	
Nottingham ...	28.60	47	NN	5	a	28.89	+ .57	45	44	- .4	S	8	bc	*	50	45	0.43	
Ardrossan ...	28.44	49	SSW	2	r	28.67	+ .44	48	46	+ .4	SSW	3	c	3	51	?	0.47	
Greencastle ...	28.43	41	N	1	b	28.57	+ .14	44	43	- .3	SSW	3	b	*	49	38	0.04	
Donaghadee ...	28.48	46	SW	3	b	28.66	+ .20	41	41	- .6	WSW	2	b	1	47	41	0.28	
Kingstown ...	28.53	50	W	4	a	28.65	+ .19	47	46	- .2	SSE	1	o	1	50	46	0.03	
Holyhead ...	28.54	50	WSW	6	m	28.70	+ .37	48	47	o	SSW	3	m	2	50	42	0.10	
Liverpool (Bidston)	28.57	47	WSW	5	o	28.77	+ .45	45	43	- .3	SSE	3	bc	3	?	42	0.21	
Valencia ...	28.65	50	N	4	bc	28.52	+ .07	49	47	- .1	S	5	bc	3	54	47	0.21	
Roche's Point...	28.67	48	N	4	bc	28.64	+ .13	50	49	+ .4	S	5	r	5	52	45	0.05	
Pembroke ...	28.67	52	N	7	c	28.64	+ .29	50	49	+ .2	SE	16	r	5	52	45	0.04	
Portishead ...	28.70	52	SW	6	bc	28.80	+ .60	50	48	+ .2	SE	6	o	4	55	45	0.08	
Scilly ...	28.66	53	WSW	7	c	28.53	-.02	53	52	+ .1	SSE	6	o	7	54	48	0.36	
Plymouth ...	28.63	52	SW	7	o	28.70	+ .28	52	51	+ .4	SE	7	or	*	54	48	0.25	
Hurst Castle ...	28.61	53	N	6	bc	28.86	+ .57	53	52	+ .3	S	6	r	6	53	47	0.24	
Dover ...	28.63	50	SW	4	c	29.05	+ .47	52	50	+ .2	S	5	aw	5	53	49	0.10	
London ...	28.77	52	WSW	4	c	28.95	+ .53	52	50	+ .1	S	3	c	*	53	48	0.13	
Oxford ...	*	*	*	*	*	28.89	+ .59	50	49	+ .1	S	2	r	*	50	46	0.14	
Cambridge ...	28.62	49	WSW	4	o	28.46	+ .58	49	48	- .4	S	1	aw	*	52	44	0.15	
Yarmouth ...	28.59	49	NE	7	o	29.00	+ .48	47	46	- .2	SSW	3	bc	3	51	45	0.16	
The Helder ...	*	*	*	*	*	29.01	+ .36	47	47	- .3	SSW	4	o	*	*	*	0.32	
Cape Gris Nez	28.88	54	SW	8	o	29.09	+ .46	50	48	- .2	SSW	6	c	5	54	48	0.39	
Brest ...	?	54	N	5	o	?	?	55	54	+ .3	SSW	5	m	7			0.47	
L'Orient ...	29.13	54	WSW	6	bc	28.87		55	54		SW	8	s	8	57	48	0.63	
Rochefort ...	29.37	57	N	7	o	29.17	+ .10	54	52	- .1	S	6	r	4	61	50	0.36	
Biarritz ...	29.47	42	ESE	1	o	29.25	-.09	63	55	+ .6	SSW	5	c	6	66	54	-	
Coranna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.23	+ .43	50	*	- .2	S	6	o	*	*	*	0.21	
Charleville ...	*	*	*	*	*	29.31	+ .47	49	*	- .5	SE	1	d	*	*	*	*	
Paris ...	29.10	52	SW	4	bc	29.23	+ .33	50	*	- .2	S	3	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	55	*	- .3	SE	2	b	*	*	*	*	
Toulon ...	29.61	52	NN	3	o	29.59	+ .06	54	52	- .1	E	1	o	5	57	?	0.04	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29 05	37	32	E	9	o	5	Valencia ...	28 60	52	47	N	6	bc	5
Thurso	28 68	43	42	ESE	6	og	4	Scilly	28 78	54	52	WSW	6	c	6
Scarborough ...	28 40	49	48	SE	5	o	4	London	28 52	57	48	WSW	6	og	*
Greencastle ...	28 44	48	47	E	1	o	*	Rochefort ...	29 20	55	52	N	10	o	8
Holyhead	28 48	49	47	N	5	a	4								

The depressions are apparently both moving slowly to the NW and the mercury is rising except at our NE stations. The wind is fresh from N. in the S. and W.

EXPLANATION OF COLUMNS.

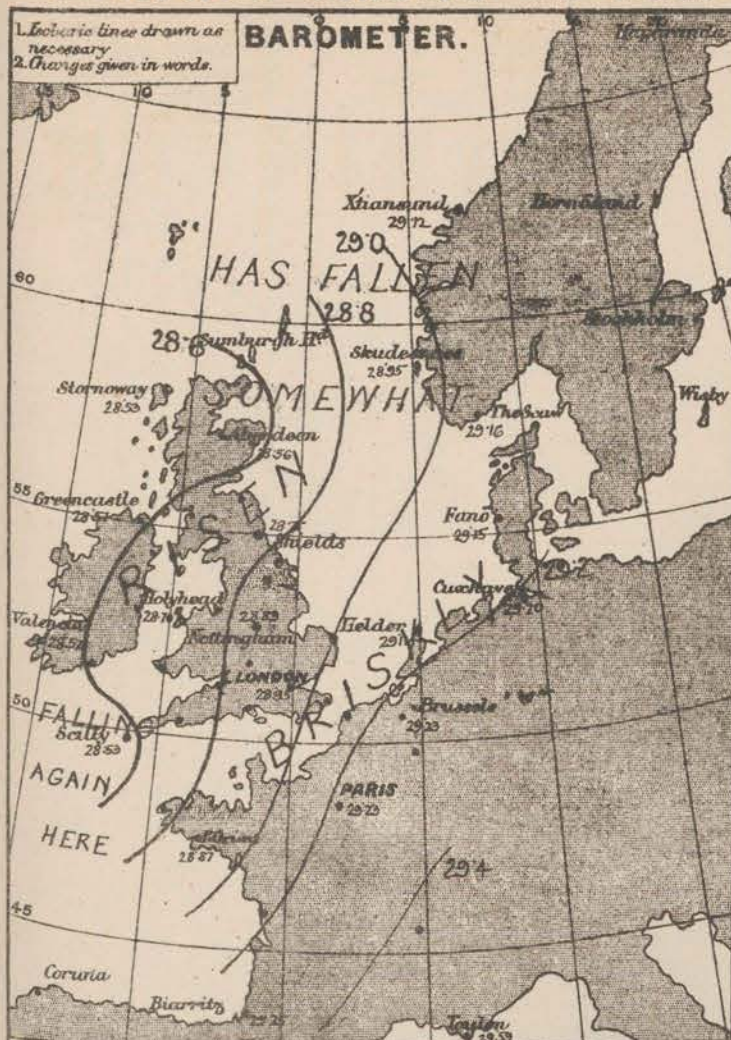
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 5th DEC^r 1876



REMARKS The very deep depression which lay over the west of England yesterday morning advanced slowly to the N^W during the day, at the same time that it became much shallower. In its rear the wind veered to the W^W and the barometer rose, with slight but general improvement in the weather. This morning the centre is found over Scotland, and a rise of the mercury is reported from nearly all parts of our Islands, the change varying from more than half an inch in the south to only a few hundredths in the north. In the south west, however, and over the Bay of Biscay a fresh and rather brisk decrease of pressure has taken place, and a new disturbance is apparently advancing towards the Channel. The wind has consequently backed to S.W. again, and, though moderate in force in most places, is strong and increasing in the south west. Temperature has risen except in the north west, and is again very high over southern England. The sky is clear in many of the more northern stations but is overcast and rainy in the south. The sea is very high at Cork and in the south west, rough in the Channel and Bay of Biscay, moderate elsewhere.

At 4 p.m. the wind had increased to a gale from S.W. at Lundy, while at Pembroke the barometer had fallen one tenth since 3 p.m.
Over south west, south and south east coasts have been warned this morning.

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

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT DEC^r 6th 1876.

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 ...													*	*	*			
Hernösand ...													*	*	*			
Stockholm ...													*	*	*			
Wisby ...													*	*	*			
Christiansund ...													*	*	*			
Skudesnaes ...	29.13	42	ESE	8	bc	29.02	+ .07	41	37	+ 2	ESE	8	o	6	?	39	-	
Oxö (Klansand) ...	29.28	36	NE	9	r	29.21	+ .05	37	36	- 2	E	9	r	9	39	34	-	
Skagen (The Scaw) ...																		
Fanö ...	29.16	41	SE	6	r	29.07	- .08	44	43	- 1	SE	4	c	*	45	41	0.24	
Cuxhaven ...	29.23	*	*	*	*	29.09	- .11	48	48	- 1	S	4	o	*	?		0.13	
Sumburgh Head ...																		
Stornoway ...	28.63	48	N	1	b	28.52	- .07	46	46	o	NNE	1	r	4	49	35	0.38	
Thurso ...	28.70	42	N	o	b	28.57	- .07	48	47	+ 4	ESE	4	r	3	49	41	0.26	
Wick ...	28.72	41	S	3	bc	28.50	- .05	48	46	+ 3	SE	5	m	7	48	43	0.11	
Nairn ...	28.63	39	ENE	1	b	28.49	- .08	45	44	+ 4	E	2	p	8	46	39	0.24	
Aberdeen ...	28.72	47	S	2	o	28.34	- .22	47	47	+ 1	SSE	3	r	7	49	43	0.36	
Leith ...	28.60	46	E	3	r	28.48	- .17	47	47	- 1	N	3	r	*	54	44	0.46	
Shields ...	28.57	48	ESE	7	o	28.55	- .20	48	45	+ 2	N	7	o	4	49	45	0.27	
York ...	28.45	49	S	2	p	28.75	- .07	47	45	+ 2	WSW	4	o	*	50	43	0.46	
Scarborough ...	28.57	49	SE	9	r	28.68	- .17	47	46	+ 2	WSW	5	o	4	49	44	0.42	
Nottingham ...	28.54	50	S	4	r	28.89	o	45	43	o	SW	4	o	*	52	44	0.37	
Ardrossan ...	28.56	46	NE	3	p	28.62	- .05	49	46	+ 1	WNW	4	o	3	50	46	0.30	
Greencastle ...	28.52	46	E	1	r	28.65	+ .08	45	44	+ 1	N	3	o	*	47	41	0.62	
Donaghadee ...	28.43	47	E	7	p	28.70	+ .04	42	42	+ 1	WSW	3	bc	3	48	39	0.82	
Kingstown ...	28.42	48	N	5	o	28.80	+ .15	48	45	+ 1	N	5	o	4	50	45	0.52	
Holyhead ...	28.37	49	N	o	r	28.82	+ .12	48	46	o	WSW	4	bc	4	50	39	0.17	
Liverpool (Bidston) ...	28.41	49	ESE	3	o	28.80	+ .03	47	44	+ 2	WSW	5	o	4	50	43	0.11	
Valencia ...	28.63	47	WNW	2	bc	28.91	+ .39	48	46	- 1	N	6	c	5	54	43	0.22	
Roche's Point ...	28.62	47	N	4	bc	28.94	+ .30	46	44	- 1	N	4	o	4	50	44	0.42	
Pembroke ...	28.57	50	N	8	o	28.91	+ .27	50	48	o	N	6	o	4	52	47	0.37	
Portishead ...	28.60	49	SW	6	o	28.96	+ .16	48	47	- 2	WSW	5	bc	4	54	45	0.37	
Scilly ...	28.68	57	WSW	8	o	29.10	+ .57	53	52	o	N	6	o	6	53	48	0.18	
Plymouth ...	28.68	57	SW	6	o	29.07	+ .37	49	48	- 3	WSW	3	o	*	55	47	0.30	
Hurst Castle ...	28.70	53	WSW	7	bc	29.04	+ .18	52	57	- 1	WNW	6	bc	5	53	47	0.72	
Dover ...	28.77	52	SW	6	o	29.02	- .03	48	47	- 1	SW	3	bc	4	53	47	0.26	
London ...	28.69	52	SW	5		29.00	+ .05	45	44	- 7	SW	3	o	*	52	44	0.26	
Oxford ...	*	*	*	*	*	28.98	+ .09	45	44	- 5	SW	2	bc	*	52	45	0.28	
Cambridge ...	28.64	48	S	4	p	28.96	o	44	43	- 5	SW	3	o	*	52	43	0.19	
Yarmouth ...	28.66	49	S	7	p	28.91	- .09	45	44	- 2	SW	3	bc	3	50	44	0.49	
The Helder ...	*	*	*	*	*	28.93	- .18	49	47	+ 2	SSW	4	o	*	*	*	0.32	
Cape Gris Nez ...	28.54	54	SSW	9	o	29.04	- .05	52	50	+ 2	SW	6	o	6	54	45	0.47	
Brest ...	?	54	SSW	6	o	?	?	54	50	- 1	N	5	bc	7	55	48	0.12	
L'Orient ...																		
Roche fort ...	29.29	57	N	8	o	29.57	+ .34	54	50	o	N	7	o	7	59	48	0.39	
Biarritz ...	29.41	63	SSW	6	bc	29.65	+ .40	59	54	- 4	WSW	3	o	6	68	55	0.24	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.09	- .14	49	*	- 1	SW	9	r	*	*	*	0.02	
Charleville ...	*	*	*	*	*	29.10	- .21	49	*	o	WNW	6	r	*	*	*	*	
Paris ...	29.08	52	SSW	5	bc	29.26	+ .03	57	*	+ 1	SW	3	bc	*	*	*	0.12	
Lyons ...	*	*	*	*	*	?	?	52	*	- 3	SW	2	o	*	*	*	*	
Toulon ...	29.55	55	N	3	m	29.62	+ .03	55	55	+ 1	WSW	3	m	5	57	52	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.10	41	37	ESE	8	o	6	Valencia	28.53	53	50	N	2	bc	3
Thurso	28.63	46	42	S	1	bc	2	Scilly	28.62	52	50	WSW	8	o	7
Scarborough ...	28.72	49	48	SSE	6	p	5	London	28.55	53	52	S	5	ogr	*
Greencastle ...	28.54	45	44	E	2	o	*	Roche fort ...	29.17	59	55	WSW	7	o	6
Holyhead	28.42	48	48	ENE	5	p-w	5								

A large but rather shallow disturbance has advanced up the Irish Sea, and the barometer has fallen over England - rapidly in London, while at Valencia and Scilly a recovery has set in. At the mouth of the Channel a fresh gale is reported.

EXPLANATION OF COLUMNS.

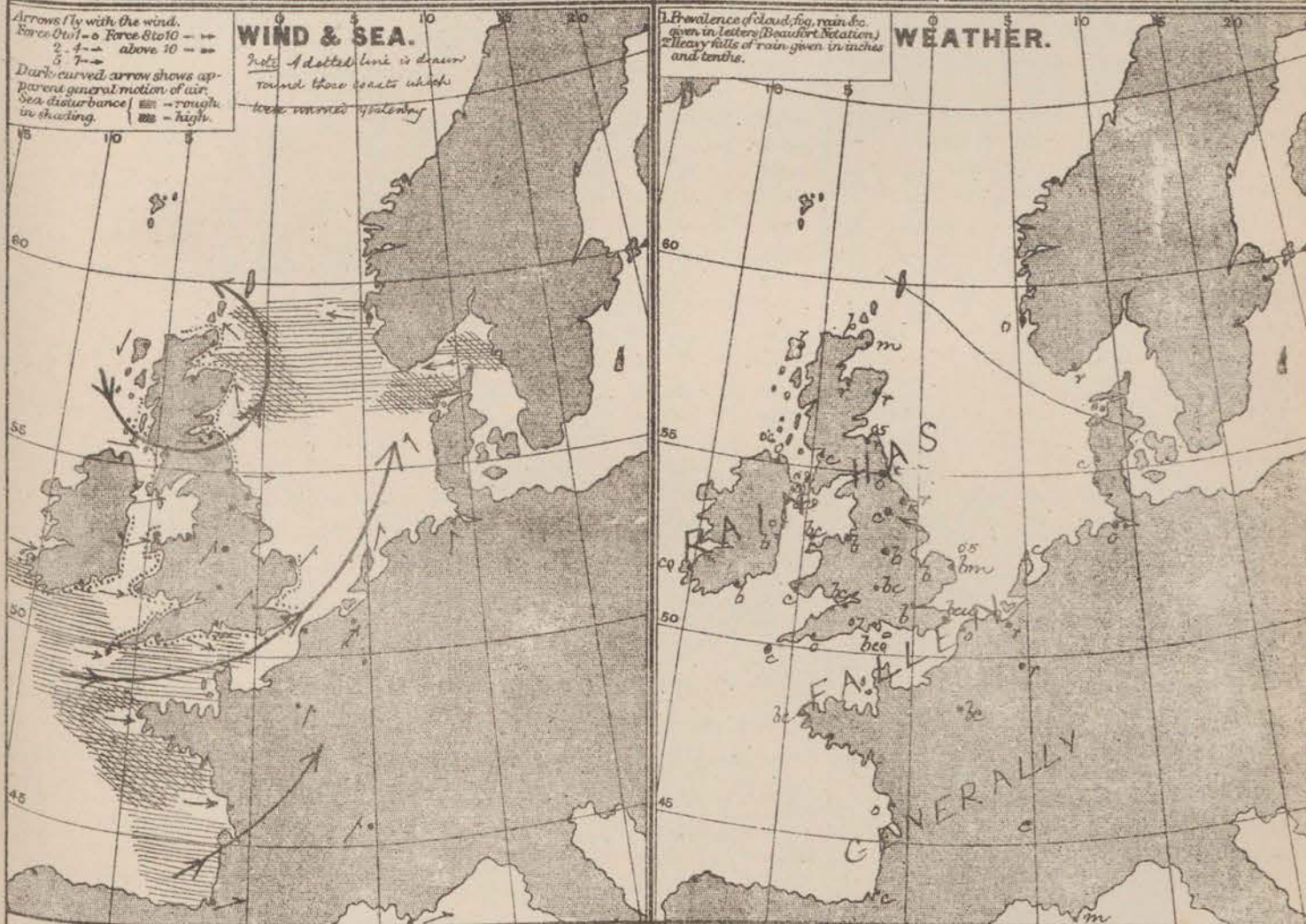
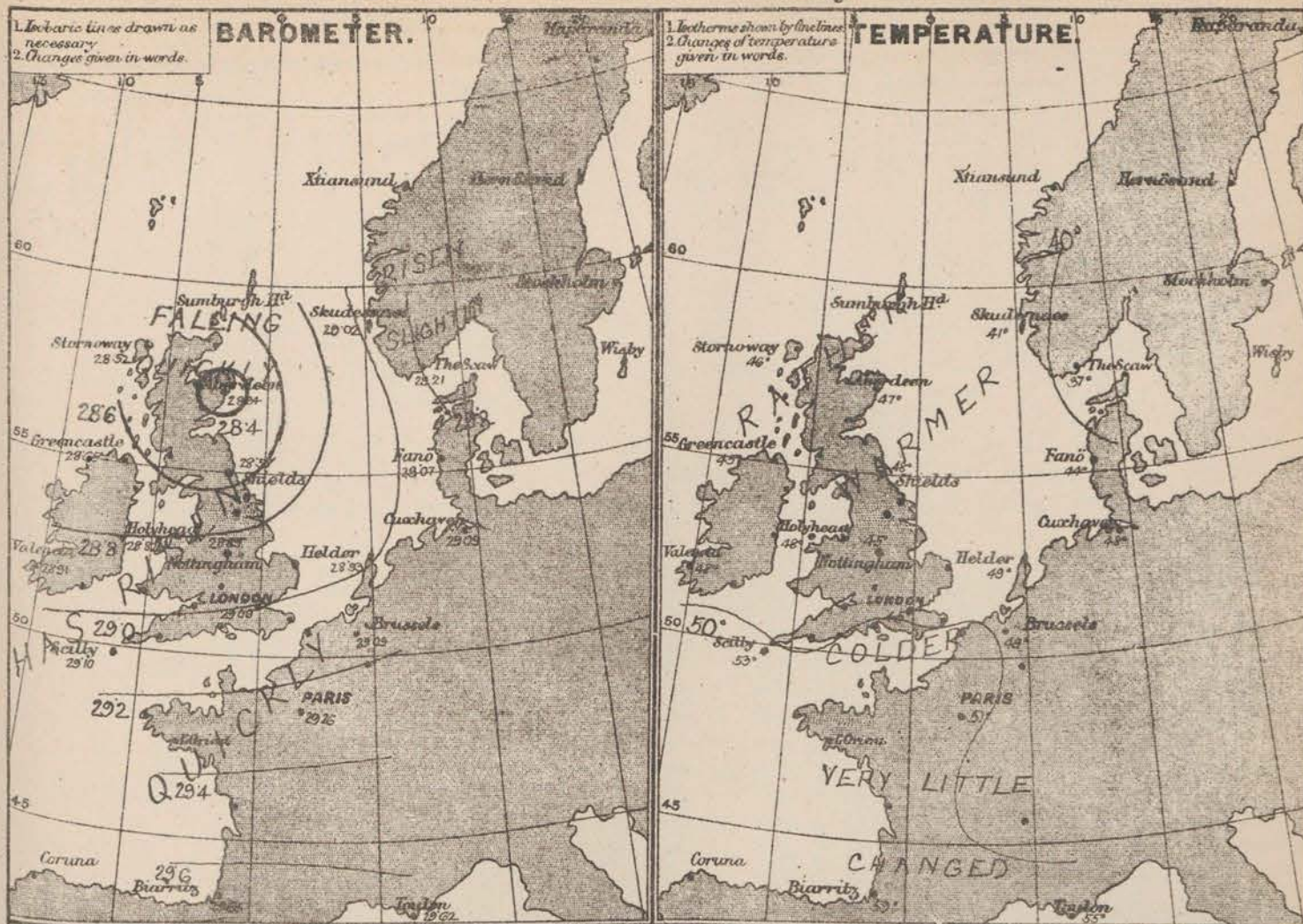
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m on Wednesday 6th DEC^r 1876*



REMARKS The barometrical disturbance which lay over Scotland yesterday morning disappeared during the day, while that which was approaching our south-west coasts advanced quickly NNE^W and is found this morning near Aberdeen, where the barometer has fallen as low as 28½ inches. The mercury has fallen more or less at all our more northern and north-eastern stations as well as over Denmark and North Germany but over Ireland and nearly the whole of England a brisk recovery is now in progress, the change exceeding half an inch at the Shilly Islands. The wind, after blowing with the force of a fresh or hard gale from SW on our south, and from SE on our east coast, has veered to W. over the greater part of these Islands but over the North Sea it is still S^W and in Caithness E^N, while at Stromness a light NE^E breeze is shown. Temperature is exceedingly uniform at about 46°. The changes which have occurred since yesterday have been slight but in the south the thermometer seems inclined to fall. Rain has been general, and still continues in inland but at our more southern and western stations the sky is now clear or nearly so. The sea still runs high at Wick and Aberdeen, while in the Channel it is rough but elsewhere it is moderate.

Our NW, S. and SE coasts were warned yesterday morning and the east of Scotland last night.

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

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

R. H. SCOTT.
Director

Dangerfield, Jath, 22 Bedford St. Covent Garden

DAILY WEATHER REPORT DEC 7TH 1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda ...														*	*	*			
Hernösand ...														*	*	*			
Stockholm ...														*	*	*			
Wisby ...														*	*	*			
Christiansund ...														*	*	*			
Skudesnaes ...	?	41	ESE	9	r	29.29	+ 27	42	38	+ 1	SSE	6	bc	5	?	?	-		
Oxö (Xtiansand) ...																			
Skagen (The Seaw)	29.39	36	SE	4	p	29.41	+ 17	37	37	+ 2	SE	4	m	4	39	32	0.20		
Fanö ...	29.32	42	SSW	2	bc	29.45	+ 38	41	41	- 3	SW	2	f	*	46	39	0.12		
Cuxhaven ...	29.23	*	*	*	*	29.46	+ 37	40	40	- 8	SSW	1	bc	*	?	?	0.03		
Sumburgh Head ...																			
Stornoway ...	28.63	44	SW	1	o	28.89	+ 37	43	42	- 3	WSW	2	bc	4	47	40	0.05		
Thurso ...	28.62	45	N	0	r	28.89	+ 38	43	42	- 5	SSW	2	e	1	52	39	0.10		
Wick ...	28.67	41	WSW	2	o	28.95	+ 45	45	44	- 3	SW	2	bc	4	48	38	0.10		
Nairn ...	28.69	45	N	0	r	28.85	+ 36	46	44	+ 1	SW	1	o	3	47	42	0.29		
Aberdeen ...	28.74	46	WSW	2	bc	29.01	+ 67	45	44	- 2	SSW	1	bc	4	48	43	0.24		
Leith ...	28.81	47	WSW	4	e	29.08	+ 60	47	45	0	WSW	3	e	*	57	45	0.04		
Shields ...	28.96	48	WSW	3	bc	29.18	+ 80	42	41	- 6	SW	2	bc	3	57	42	-		
York ...	29.04	47	N	4	bc	29.19	+ 24	40	40	- 7	SW	1	f	*	57	39	-		
Scarborough ...	29.01	46	WSW	4	bc	29.21	+ 53	44	43	- 3	N	0	e	1	49	38	-		
Nottingham ...	29.18	45	SSW	4	bc	29.23	+ 34	44	44	- 1	N	0	bc	*	57	39	0.01		
Ardrossan ...	28.84	50	SW	5	p	29.10	+ 48	49	47	0	SW	2	o	3	52	49	0.04		
Greencastle ...	28.75	47	S	4	o	29.07	+ 42	43	43	- 2	N	2	bc	*	49	40	0.20		
Donaghadee ...	28.89	47	WSW	4	bc	29.13	+ 43	41	41	- 1	WSW	3	e	2	49	38	-		
Kingstown ...	28.86	49	SW	4	bc	29.14	+ 34	47	45	- 1	WSW	3	o	3	50	45	-		
Holyhead ...	29.01	49	WSW	5	bc	29.13	+ 31	45	44	- 3	SW	1	om	0	57	44	-		
Liverpool (Bidston) ...	29.05	47	SW	3	bc	29.17	+ 37	40	39	- 7	SE	2	bc	2	57	39	0.01		
Valencia ...	29.04	48	N	3	bc	29.20	+ 24	38	37	- 10	N	0	bc	2	50	36	0.16		
Roche's Point...	29.06	49	N	5	bc	29.14	+ 20	42	40	- 4	N	3	e	3	52	39	-		
Pembroke ...	29.12	50	WSW	6	e	29.11	+ 20	45	44	- 5	ENE	2	f	4	52	43	0.03		
Portishead ...	29.20	48	WSW	3	bc	29.14	+ 18	46	46	- 2	NNE	4	o	4	53	44	0.14		
Scilly ...	29.20	57	SW	5	o	29.06	- 04	50	48	- 3	ENE	4	o	5	55	48	0.14		
Plymouth ...	29.23	57	SW	3	o	29.05	- 02	47	46	- 2	NN	4	od	*	51	47	0.13		
Hurst Castle ...	29.77	53	WSW	4	e	29.05	+ 04	49	49	- 3	ESE	4	om	4	53	47	0.28		
Dover ...	29.33	50	WSW	3	bc	29.28	+ 18	49	48	+ 1	E	3	od	2	52	47	0.33		
London ...	29.29	50	SW	2	bc	29.15	+ 15	47	47	+ 2	SSE	1	om	*	54	45	0.07		
Oxford ...	*	*	*	*	*	29.16	+ 18	47	47	+ 2	N	0	r	*	57	43	0.02		
Cambridge ...	29.25	44	SW	1	bc	29.20	+ 24	45	45	+ 1	SE	1	p	*	53	41	0.01		
Yarmouth ...	29.23	46	SW	3	bc	29.24	+ 33	48	47	+ 3	SSE	2	com	2	50	44	0.07		
The Helder...	*	*	*	*	*	29.36	+ 43	42	42	- 7	SSE	1	bc	*	*	*	-		
Cape Gris Nez ...	29.37	52	WSW	6	r	29.19	+ 15	46	46	- 6	E	2	r	1	54	45	0.35		
Brest ...	?	55	SSW	4	p	?	?	52	52	0	WSW	4	o	7	55	48	0.35		
L'Orient ...																			
Rocheport ...	29.52	47	SW	3	o	29.37	- 14	55	55	+ 1	SW	3	o	2	63	46	0.08		
Biarritz ...	29.50	63	SSE	4	o	29.44	- 24	63	62	+ 14	SW	4	bc	1	68	55	0.35		
Corunna ...	*	*	*	*	*			*	*					*	*	*	*		
Brussels ...	*	*	*	*	*	29.34	+ 22	46	*	- 3	SE	3	p	*	*	*	*		
Charleville ...	*	*	*	*	*	29.27	+ 17	48	*	- 1	ESE	6	o	*	*	*	*		
Paris ...	29.52	48	S	3	bc	29.28	+ 02	57	*	0	SW	4	o	*	*	*	*		
Lyons ...	*	*	*	*	*	?	?	46	*	+ 8	S	7	c	*	*	*	*		
Toulon ...	29.78	54	N	4	e	29.66	+ 04	57	57	+ 2	N	4	m	5	?	?	-		

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.03	41	36	E	P	c	6	Valencia	28.99	57	48	WSW	5	bc	4
Thurso	28.53	47	46	SE	2	om	2	Scilly	29.21	53	50	SW	6	e	6
Scarborough ...	28.94	49	46	WSW	4	bc	4	London	29.18	53	48	WSW	3	bc	*
Greencastle ...	28.72	48	46	SW	3	f	*	Rocheport ...	29.58	57	54	W	4	bc	3
Holyhead	28.95	49	46	WSW	6	e	6								

Purvis continues to increase except in the S. of Ireland, where it appears to have ceased since noon, and the wind shows some sign of backing.
The warning signals are still flying on our SW. coasts

EXPLANATION OF COLUMNS.

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

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

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

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

WEATHER CHARTS for 8 a.m. on Thursday 7th Dec^r 1876



REMARKS During the past 24 hours the barometer has continued to rise briskly at all the more northern stations but in France and the south of England it has begun to fall again during the night. An area of low pressure now lies off our most northern coasts, and another at the mouth of the Channel, while the highest readings are reported from the eastern shores of the North Sea. Light SW to W winds still prevail in the north of our islands as well as over the west of France but in the Channel and south of England an E wind has set in, while SE breezes are felt over our south eastern counties and the Netherlands. Calms and variable air prevail at our central stations. Temperature has fallen in many places — as much as 7° in the north of England and 10° at Valencia. In the south of France, however, it has risen and is high. Rain has again begun to fall in the south, and some fell yesterday at the British stations — where the sky is now moderately clear. The weather is still in a very unsettled state. The sea has gone down very generally.

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT DEC^r 8th 1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...	29.64	30	E	6	bc	29.62		29	28		E	11	6	1	30	28		
Skudesnaes ...	29.46	43	SE	4	p	29.65	+ .36	42	40	0	SSE	14	0	4	43	?	-	
Oxö (Xtiansand)																		
Skagen (The Scaw)	29.50	38	SE	4	m	29.70	+ .29	37	37	0	E	3	0	2	39	36	-	
Fanö ...	29.48	42	ESE	4	c	29.55	+ .10	41	41	0	E	4	m	*	?	41	-	
Cuxhaven ...	29.42	*	*	*	*	29.47	+ .04	44	44	+ .4	E	1	of	*	?	?	0.15	
Sumburgh Head																		
Stornoway	29.19	39	SW	1	b	29.46	+ .37	40	39	- 2	WSW	1	b	4	47	36	0.04	
Thurso ...	29.21	40	N	0	b	29.48	+ .59	37	35	- 6	S	2	bc	1	50	33	0.03	
Wick ...	29.28	43	WSW	1	b	29.37	+ .36	41	39	- 4	S	2	c	2	46	36	-	
Nairn ...	29.26	38	SW	1	b	29.53	+ .68	34	32	- 12	N	0	b	1	47	32	-	
Aberdeen ...	29.25	44	N	0	b	29.54	+ .53	37	35	- 8	WSW	1	b	3	49	36	-	
Leith ...	29.28	44	WSW	2	c	29.59	+ .51	36	36	- 11	N	3	of	*	52	35	0.01	
Shields ...	29.28	43	N	0	b	29.58	+ .43	41	40	- 1	N	2	bc	2	46	35	-	
York ...	29.24	40	N	1	f	29.59	+ .60	42	41	+ 2	WSW	1	0	*	42	37	-	
Scarborough ...	29.29	42	N	0	f	29.55	+ .34	47	46	+ 3	N	3	0	3	47	40	0.02	
Nottingham ...	29.24	44	NE	3	p	29.58	+ .35	44	43	0	WSW	2	c	*	46	42	0.03	
Ardrossan ...	29.29	45	E	1	b	29.60	+ .54	40	39	- 9	E	1	f	0	57	37	0.03	
Greencastle ...	29.25	39	WSW	1	b	29.63	+ .36	35	35	- 8	N	1	b	*	48	31	-	
Donaghadee ...	29.29	38	N	3	b	29.64	+ .51	36	36	- 5	N	2	b	1	45	36	-	
Kingstown ...	29.29	47	WSW	3	0	29.67	+ .53	42	40	- 5	WSW	14	b	2	48	41	-	
Holyhead ...	29.26	46	ESE	1	0	29.62	+ .49	49	47	+ 4	WSW	3	c	3	50	43	0.04	
Liverpool (Bidston)	29.25	43	NE	1	0	29.61	+ .44	41	40	+ 1	WSW	1	b	2	43	39	-	
Valencia ...	29.32	41	NE	1	bc	29.76	+ .56	37	37	- 1	N	0	b	1	54	35	-	
Roche's Point...	29.40	46	NNE	3	bc	29.76	+ .62	43	41	+ 1	N	3	b	3	49	39	-	
Pembroke ...	29.21	46	NNE	2	b	29.63	+ .52	48	45	+ 3	N	2	b	3	49	44	-	
Portishead ...	29.13	47	NNE	5	0	29.68	+ .49	46	46	0	N	4	0	3	49	44	0.02	
Scilly ...	29.20	50	NNE	6	0	29.68	+ .62	57	46	+ 1	WSW	5	c	4	52	49	-	
Plymouth ...	29.15	49	WNW	6	0	29.62	+ .87	46	45	- 1	WSW	5	b	*	57	45	0.03	
Hurst Castle ...	29.08	52	WSW	5	0	29.46	+ .41	49	49	0	N	4	bc	4	54	46	0.21	
Dover ...	29.19	52	WSW	3	b	29.38	+ .18	57	50	+ 2	N	3	0	2	53	48	0.18	
London ...	29.15	52	SE	2	gfd	29.44	+ .29	48	47	+ 1	NNE	3	0	*	57	47	0.22	
Oxford ...	*	*	*	*	*	29.52	+ .36	45	45	- 2	N	2	0	*	48	45	0.47	
Cambridge ...	29.17	47	NE	1	p	29.48	+ .28	46	46	+ 1	N	2	p	*	49	44	0.34	
Yarmouth ...	29.19	47	ESE	1	bc	29.41	+ .17	47	47	- 1	N	1	agm	2	48	45	0.04	
The Helder...	*	*	*	*	*	29.40	+ .04	46	46	+ .4	N	0	c	*	*	*	0.12	
Cape Gris Nez	29.22	52	SSW	3	c	29.37	+ .18	50	50	+ 4	S	1	0	0	54	45	0.12	
Brest ...	?	54	WSW	3	b	?	?	52	49	- 2	WSW	4	0	5	59	48	0.16	
L'Orient ...	29.16	54	WSW	5	b	29.69	+ .50	50	48	- 2	WSW	5	bc	7	57	46	0.35	
Rochefort ...	29.39	59	SSW	4	0	29.67	+ .30	54	52	- 1	N	5	0	3	63	46	0.08	
Biarritz ...	29.37	64	SW	7	bc	29.87	+ .38	54	50	- 9	WSW	44	p	44	66	50	0.04	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.42	+ .11	49	*	+ 3	S	3	0	*	*	*	0.10	
Charleville ...	*	*	*	*	*	29.38	+ .11	49	*	+ 1	ESE	3	0	*	*	*	*	
Paris ...	29.33	53	S	3	c	29.49	+ .21	50	*	- 1	SW	3	0	*	*	*	0.12	
Lyons ...	*	*	*	*	*	?	?	55	*	- 5	S	1	0	*	*	*	*	
Toulon ...	29.65	55	SW	4	m	29.78	+ .12	54	54	- 3	E	2	0	6	59	?	0.04	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.39	42	38	ESE	6	o	4	Valencia	29.24	50	46	NW	1	bc	1
Thurso	29.09	46	41	SW	2	c	1	Scilly	29.10	50	49	NE	4	c	5
Scarborough ...	29.24	41	41	N	o	f	1	London	29.12	49	48	SE	2	ogm	*
Greencastle ...	29.17	48	46	SW	1	b	*	Rochefort ...	29.36	59	54	SSW	5	o	3
Holyhead	29.18	48	46	ESE	1	c	1								

The depression in the SW. appears to be passing up the Channel and the barometer is rising again at Scilly, whilst it is falling in the SE. The winds are very light.

EXPLANATION OF COLUMNS.

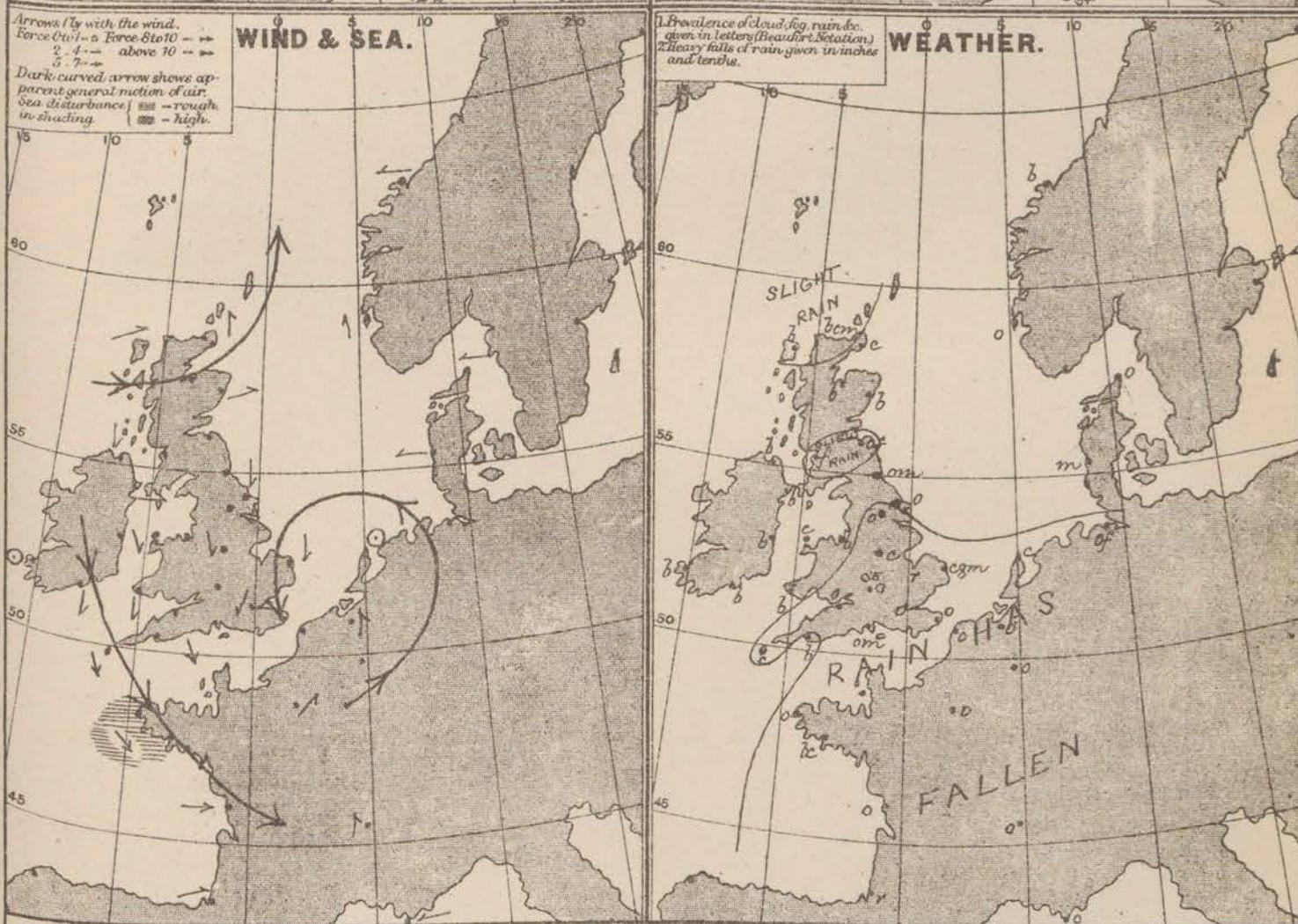
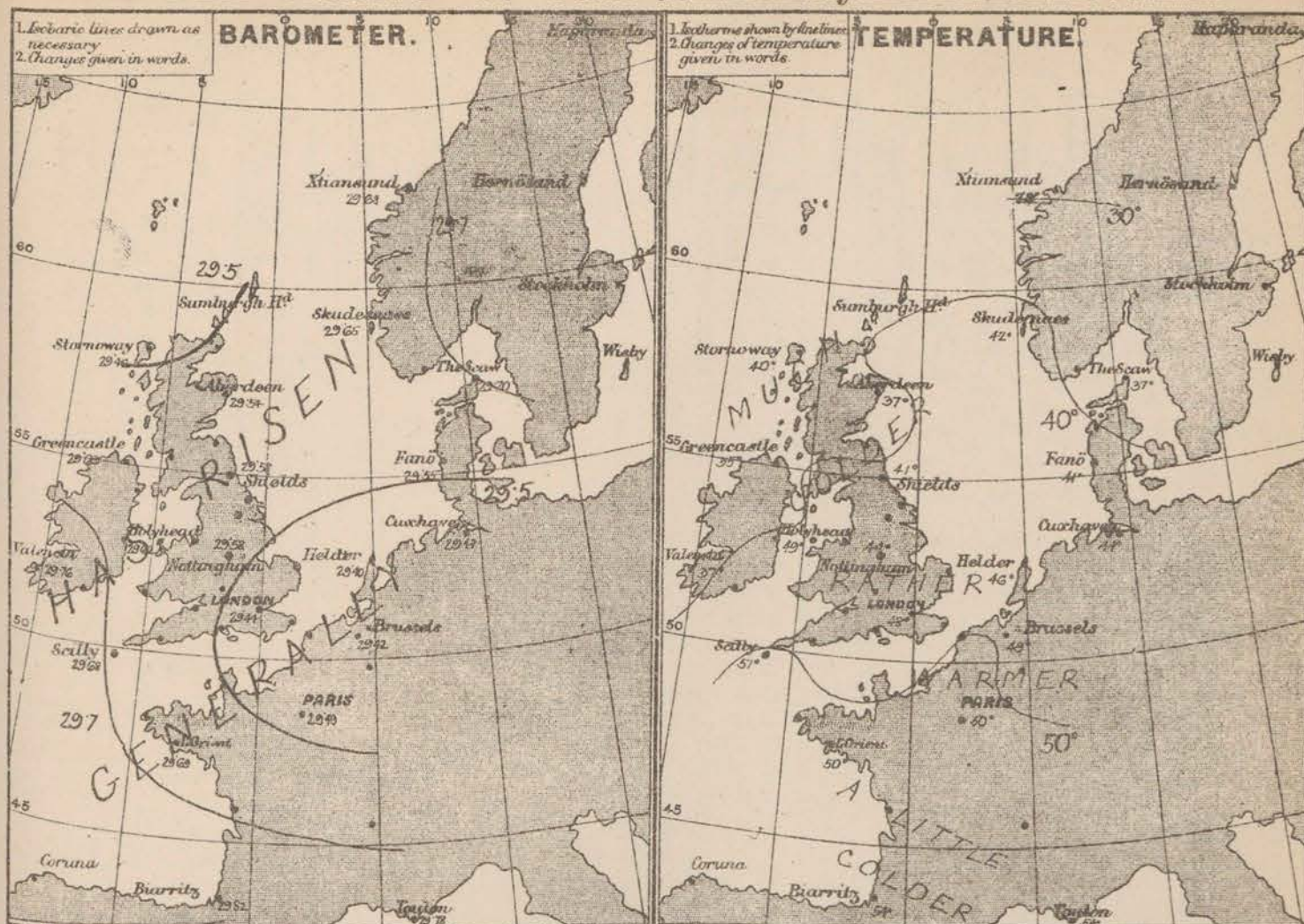
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 DEC^R 1876



REMARKS During the past 24 hours the small depression which lay near the Lally Islands yesterday morning has advanced slowly up the Channel, and now lies over the north east of France, Belgium and Holland. At the same time it has been "filling up" and a rise of the barometer is reported from all parts of Western Europe, the change varying from only a few hundredths at the stations in the front of the depression to more than half an inch in the west and north of our Islands. Two areas of high pressure are shown, the one stretching from the south west coast of Ireland to the west of Spain, and the other lying over Scandinavia. Gradients are, however, slight and the winds are moderate or light in force: from the NW at most of our stations, from NW and W over France, and from E over Denmark and Norway. Temperature has fallen several degrees over Scotland and Ireland where also the weather has become clear but has changed little over England and France, where the sky is still overcast. At Valentia slight hoar frost was formed on the grass last night. Rain and very dull weather occurred in the neighbourhood of the coast of the above disturbance but elsewhere the weather has been generally dry. The sea is moderate to smooth.

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

R. H. SCOTT.
Director.

Dangerfield, Lath. 22, Bedford St Covent Garden

DAILY WEATHER REPORT

DEC 9TH 1876.

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 ...	30.12	44	E	2	o	30.10	- .01	44	44	+ 18	E	2	o	*	*	*	-	
Hernösand ...	29.99	32	E	2	s	29.99	+ .08	33	33	+ 2	SE	2	s	*	*	*	0.08	
Stockholm ...	29.94	32	SSE	2	o	29.86	+ .07	31	31	- 2	E	5	o	*	*	*	0.04	
Wisby ...	29.89	32	E	4	o	29.91	+ .11	31	30	- 3	E	4	o	*	*	*	-	
Christiansund ...	29.67	42	SE	2	o	29.58	- .10	43	38	+ 14	ESE	1	ba	3	43	39	-	
Skudesnaes ...	29.80	41	SSE	4	o	29.82	+ .17	41	39	- 1	SSE	6	a	5	43	44	-	
Oxö (Ålansand)																		
Skagen (The Scaw)	29.87	32	E	3	o	29.90	+ .20	38	37	+ 1	N	o	o	0	39	34	-	
Fanö ...	29.76	40	ENE	*	*	29.89	+ .34	40	40	- 1	NE	1	o	*	43	39	-	
Cuxhaven ...	29.55	*	*	*	*	29.82	+ .35	42	42	- 2	NE	4	o	*	?	?	0.07	
Sumburgh Head																		
Stornoway	29.60	42	WSH	3	o	29.81	+ .35	43	42	+ 3	WSH	3	o	4	44	38	0.06	
Thurso ...	29.60	39	SH	2	b	29.72	+ .24	44	43	+ 7	SH	4	p	3	45	35	0.01	
Wick ...	29.63	41	SH	1	o	29.75	+ .24	44	42	+ 3	WSH	1	o	2	45	30	-	
Nairn ...	29.70	41	N	o	b	29.83	+ .30	43	34	+ 9	N	o	o	1	43	42	-	
Aberdeen ...	29.70	37	N	o	b	29.83	+ .29	40	38	+ 3	WSH	1	b	2	41	35	-	
Leith ...	29.77	42	N	2	o	29.91	+ .02	46	44	+ 10	WSH	3	ba	*	47	34	-	
Shields ...	29.80	41	NNW	2	b	29.97	+ .29	43	41	+ 2	N	3	ba	2	46	38	-	
York ...	29.82	40	N	1	b	30.03	+ .44	38	37	- 4	SH	1	o	*	46	36	-	
Scarborough ...	29.80	43	NNW	2	b	30.01	+ .44	40	38	- 7	WSH	1	b	2	47	39	-	
Nottingham ...	29.86	42	NNW	2	b	30.10	+ .52	39	39	- 5	WSH	1	o	*	48	35	0.01	
Ardrossan ...	29.79	45	WSH	3	ba	29.97	+ .33	49	47	+ 9	N	3	ba	3	50	40	0.02	
Greencastle ...	29.79	43	N	2	b	29.99	+ .36	42	41	+ 7	N	2	b	*	45	?	0.02	
Donaghadee ...	29.81	38	N	3	ba	30.03	+ .39	38	38	+ 2	N	2	b	2	43	36	0.01	
Kingstown ...	29.91	47	N	4	b	30.10	+ .43	45	43	+ 3	N	4	b	3	48	41	-	
Holyhead ...	29.90	48	NNW	3	b	30.07	+ .45	47	46	- 2	N	3	ba	3	48	44	-	
Liverpool (Bidston)	29.87	45	NNW	3	b	30.06	+ .45	44	43	+ 3	N	3	b	2	47	41	-	
Valencia ...	30.02	46	NNW	1	b	30.18	+ .42	46	45	+ 9	NNW	1	ba	1	54	35	0.01	
Roche's Point...	30.00	46	N	3	b	30.17	+ .41	42	40	- 1	N	3	ba	2	49	49	-	
Pembroke ...	29.96	49	NN	3	b	30.16	+ .57	48	46	o	NNW	1	b	2	50	47	-	
Portishead ...	29.90	46	N	3	b	30.12	+ .49	43	42	- 3	N	2	b	2	52	46	-	
Scilly ...	29.98	57	NNW	5	ba	30.20	+ .52	50	48	- 1	NNW	4	o	5	52	49	0.01	
Plymouth ...	29.95	46	N	o	b	30.18	+ .56	42	41	- 4	NN	1	b	*	53	36	0.01	
Hurst Castle ...	29.86	47	NNW	3	b	30.13	+ .67	43	43	- 6	NN	3	ba	3	49	38	-	
Dover ...	29.65	47	N	4	ba	30.06	+ .68	41	40	- 10	NNE	3	ba	2	57	40	0.02	
London ...	29.83	49	NNW	2	o	30.10	+ .64	35	35	- 13	WSH	1	ba	*	49	35	-	
Oxford ...	*	*	*	*	*	30.11	+ .59	37	34	- 8	N	o	ba	*	48	35	-	
Cambridge ...	29.83	45	N	2	o	30.08	+ .60	38	38	- 8	NNW	1	b	*	48	37	0.01	
Yarmouth ...	29.69	47	NNW	4	o	30.02	+ .61	37	37	- 10	NNW	2	f	3	47	36	-	
The Helder ...	*	*	*	*	*	29.93	+ .53	48	46	+ 2	NNW	1	o	*	*	*	0.08	
Cape Gris Nez	29.73	?	NNW	5	o	30.08	+ .71	45	45	- 5	NNW	3	ba	3	52	43	0.04	
Brest ...	29	54	N	3	b	?	?	50	46	- 2	N	2	ba	4	54	45	-	
L'Orient ...	29.99	48	N	4	b	30.25	+ .56	45	43	- 5	N	3	ba	5	55	43	-	
Rochefort ...	29.94	55	NN	3	o	30.14	+ .49	46	45	- 8	N	3	b	3	63	38	0.16	
Biarritz ...	29.97	61	WSW	1	ba	30.26	+ .52	48	46	- 6	N	o	o	2	?	45	0.28	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.99	+ .57	47	*	- 2	NN	6	o	*	*	*	0.39	
Charleville ...	*	*	*	*	*	?	?	45	*	- 4	SE	3	o	*	*	*	*	
Paris ...	29.75	50	NN	3	o	30.09	+ .60	42	*	- 8	NN	3	b	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	54	*	- 1	NN	2	o	*	*	*	*	
Toulon ...	29.80	54	NN	4	b	29.85	+ .07	50	43	- 4	NN	4	o	5	55	52	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.75	41	37	SSE	2	o	3	Valencia	29.91	?	?	NNN	1	ba	2
Thurso	29.55	42	40	SSH	2	ba	1	Scilly	29.89	52	48	NNN	5	b	4
Scarborough ...	29.70	47	46	NNN	2	f	3	London	29.66	49	46	NNN	2	cm	*
Greencastle ...	29.73	44	43	S	1	ba	*	Rochefort ...	29.82	34	52	NN	3	a	3
Holyhead	29.76	48	46	NNN	3	ba	3								

The barometer continues to rise everywhere most in the S and SW. The wind is light from S in the North, but from NW elsewhere.

EXPLANATION OF COLUMNS.

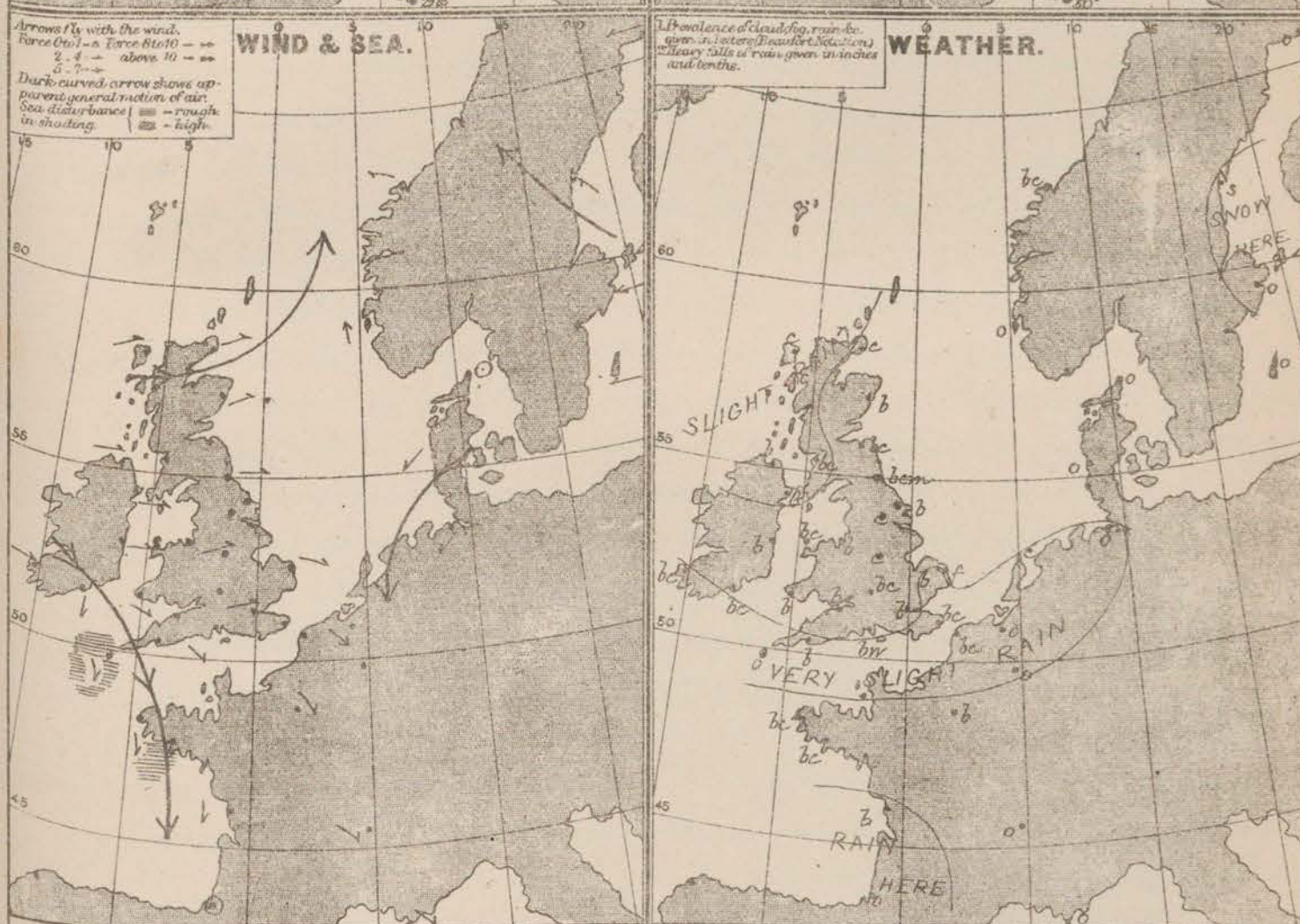
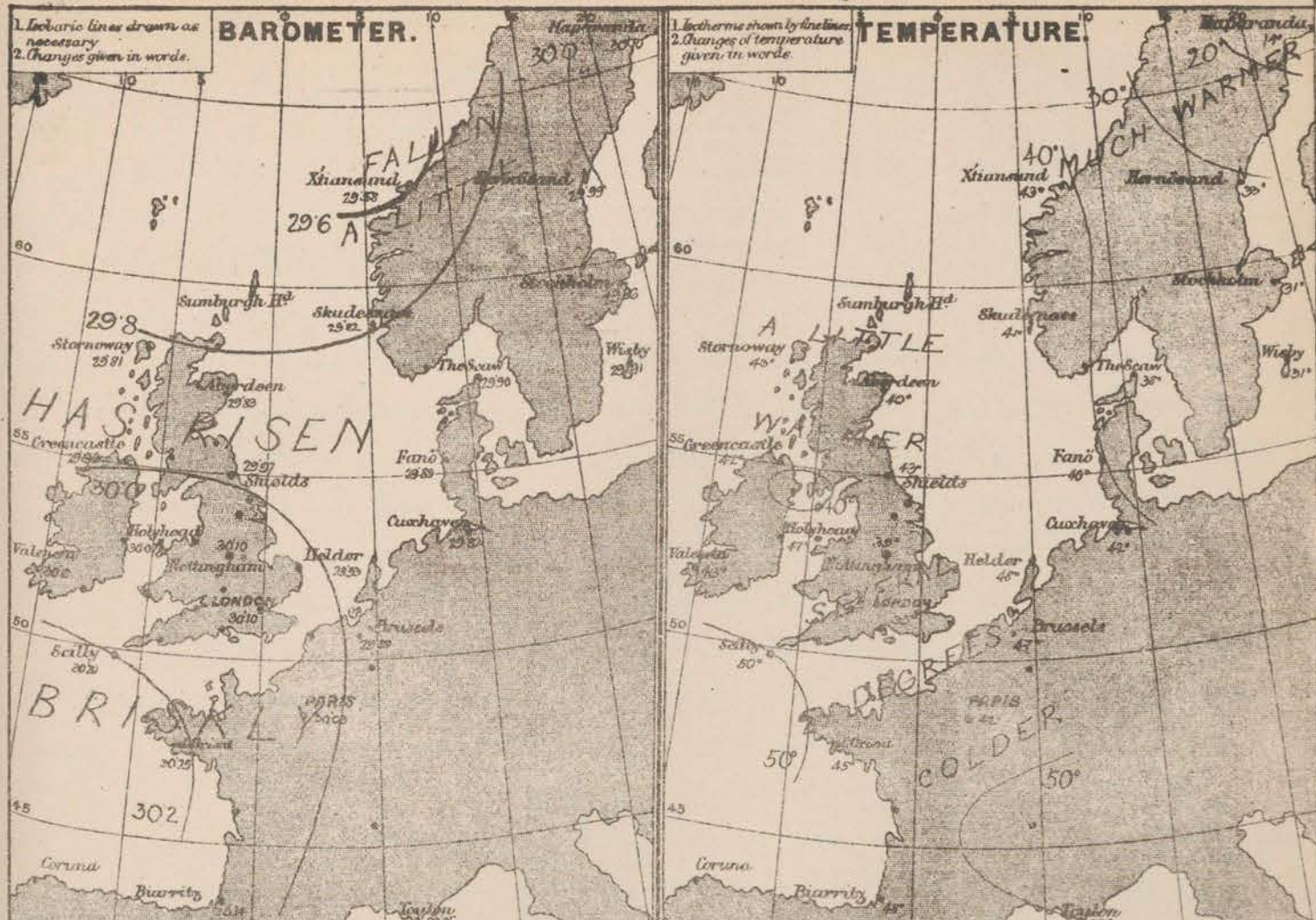
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m on Saturday 9th DEC^r 1876



REMARKS Since yesterday a decrease of pressure has taken place over Norway, and a slight depression is shown this morning near Christianmunde; in all other parts of Western Europe, however, the mercury has risen, the increase again exceeding half an inch at our south-western stations, where the highest readings are found. Over North Germany and Denmark a slight depression apparently exists and is probably that which lay over the Netherlands yesterday morning now become almost filled up. The wind is E^t on the eastern shores, but over these islands a W^t current is reported, which drives into NW over the Channel and thence into SW in Scotland. Temperature has risen several degrees in the north and north-west but has fallen at all the more southern stations. In London it has fallen to 35° and a slight hoar frost was formed during the night. A little rain has fallen in the extreme north-west but elsewhere the weather has been fine, and this morning the sky is clear generally. The sea is slight.

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

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

R. H. SCOTT.
Director

Dangerfield, Isth. 22 Balford St. C. West 3-1400

SUMMARY OF WEATHER IN WESTERN EUROPE

from DEC^r 3rd to DEC^r 9th 1876.

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

During this week we have witnessed the passage in quick succession of a number of disturbances from SW to NE across our Islands. Most of these were very deep particularly that of the 4th when the barometer fell below 28.2 inches in the S. of England, and to about 28.5 inches in all parts of our Islands, and fresh to hard gales from SW in the S. from S. in the E. and from SE. & E in the N. were felt on our coast with an exceedingly high sea and very rainy weather. After the disappearance of the last of these depressions, a slight one which passed up the Channel to the Netherlands, the barometer rose very quickly in the SW, and the whole character of the weather changed, NW to W breezes with fine dry and colder weather being experienced on our coasts till the close of the week. The rainfall during the earlier portion of the week was very general and the amount in some places heavy, causing serious floods.

DEC^r 3rd The deep depression which was noticed as approaching our SW Coast on the evening of Saturday lay over Ireland at 8 am, and a decrease of more than half an inch had occurred at our NW stations, while in all parts of NW Europe except the E^m shores of the North Sea the barometer had fallen. Pressure varied from 28.59 inches at Roches Point to 29.68 inches at the Scaw and 29.86 inches at Toulon, so that gradients were rather steep everywhere and exceedingly so over the United Kingdom. The wind, which blew with the force of a fresh to hard gale on all our coasts was from SW in the S., from S. in the E., and from E. in the N. the greatest force being experienced from the last quarter. Temperature had not changed much but in the N. it has fallen slightly and in the S. risen. The weather was overcast and wet and a tremendous sea was running at exposed places. By the evening the disturbance had moved slowly NW and the E^{ly} gale continued unabated in Scotland, but in the S. a fall of the barometer occurred, gradients became slighter, and the wind fell light.

DEC^r 4th The depression of the 3rd lay apparently a little outside our NW coasts, and the barometer had begun to rise at Valencia but during the night a small very deep depression had advanced from SW and at 8 am lay near portishead (28.20 inches) where the barometer had fallen seven tenths. The lowest reading as yet reported has been 28.17 at 5.15 am at Sidmouth. On the SW E^m and NW sides of this disturbance gradients were very steep and the W^{ly} wind over the Channel and France, the SW^{ly} wind on our SE Coast, and the E^{ly} winds in the N. blew with the force of a hard gale, but in the W. light breezes only were reported. Temperature had risen considerably in the N. but fallen elsewhere. The weather continued overcast and wet, and the sea still ran very high. During the day the small depression moved NE at the same time filling up, and stiff W^{ly} winds were felt over the greater part of England, with a rising barometer.

DEC^r 5th The depression from the SW had travelled NW to Scotland, but the rise which was in progress over our SW stations in its rear, had been checked during the night, and a third disturbance was showing itself at the Mouth of the Channel. The wind at the same time had backed to S. or SE on all coasts, and the gales noticed on the previous day had entirely died down, fresh breezes only being reported. Temperature had risen in the S. of England and was high. The sky was clear at many of our more SW stations, but the

overcast, wet weather continued in the S. By 6 p.m. the depression which was advancing on us from the S.W. had travelled up the Irish Sea, and lay near Holyhead, while fresh W^{ly} gales were felt in the S.W. and S^{ly} to S.E.^{ly} gales in the N.E.

DEC^r 6th The area of low pressure had advanced N^W to Aberdeen, and the barometer had risen at all except our N^W and N.E. stations. The wind also had veered to N. in nearly all parts of these Islands, and though it was still fresh or strong in force the gales of the previous evening had subsided. Over the North Sea, and in the N. of Scotland, however, the S.E.^{ly} to E^{ly} winds were still reported, and in the S. of Norway, they blew with the force of a strong gale. Temperature had risen in the N. and fallen somewhat in the S.E. but elsewhere little change had occurred. It was very uniform over the British Isles, rain was falling in Scotland, and the sky was cloudy on the Continent generally, but over England it was nearly clear. During the day the increase of pressure extended to all our coasts, but at Bransitz the barometer began to fall again.

DEC^r 7th During the night the barometer had continued to rise briskly in the N. but over France, and the Channel stations it was falling again, and a small depression was advancing towards us from the S.W. while that of the previous day was disappearing in the N. Light S.W.^{ly} breezes prevailed over France and our more N^W stations and light E^{ly} breezes S.E. to N.E. in the intervening space. Temperature was lower in all places except France, rain was falling at most of the S^W stations, and the sky was generally overcast. During the day the N^W disturbance moved away, and pressure continued to rise over Scotland while that in the S. moved slowly up the Channel.

DEC^r 8th The disturbance which was passing up the Channel on the previous day lay over the Netherlands, and a rise of the barometer was reported from all parts of N^W Europe, the depression itself having become considerably shallower. The rise of the barometer had been very brisk in the S.W. and a region of high pressure had been formed stretching from the S. coast of Ireland to Spain, so that N^W to N^W^{ly} breezes prevailed at most of our stations, and in the N.W. of France, while N^W winds were reported from the N.E. of that country, and E^{ly} breezes on the E. shores of the North Sea. Temperature had fallen with the appearance of N^W winds, the change being considerable over Ireland. The sky had become clear in the N. and N. of our Islands, but was still cloudy or overcast elsewhere. Later reports showed a further rise of the barometer.

DEC^r 9th A small depression had advanced during the night to the N. coast of Norway, while that which lay over the Netherlands on the 8th continued to travel E. and towards N. Germany. At Christiansund a slight decrease had occurred but in all other places the mercury had risen the change again being greatest in the S.W. In Denmark a light N.E.^{ly} breeze was observed, but over these Islands a W^{ly} current prevailed which drew into N.W. over France, and the Channel, and into S.W. in Caithness. Temperature had fallen several degrees over France and England, while in Scotland, and the North of Scandinavia it had risen fast. Rain was falling at Thurso, but at nearly all our other stations, as well as over France, the sky was clear. Later reports showed a slight fall of the barometer in the S. of Ireland, where also the wind had backed to S.W. but the decrease was not important.

DAILY WEATHER REPORT DEC 10TH 1876.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.				
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.		
Haparanda ...	30.04	16	SE	4	0	30.04	-.06	9	9	- 5	SE	4	0	*	*	*	0.08		
Hernösand ...	29.92	31	S	4	0	29.79	-.20	30	30	- 3	SSE	6	0	*	*	*	0.12		
Stockholm ...	29.91	30	SE	4	0	29.72	-.14	32	31	+ 1	E	4	f	*	*	*	0.04		
Wisby ...	29.95	35	SSE	4	0	29.82	-.09	32	31	+ 1	S	4	0	*	*	*	-		
Christiansund ...	29.53	39	WSW	6	0	29.64	+.05	41	38	- 2	WSW	8	0	5	43	36	-		
Skudesnaes ...	29.76	45	WSW	4	0	29.83	+.04	39	38	- 2	W	1	0	3	45	?	-		
Oxö (Xtiansand)																			
Skagen (The Seaw)	29.92	37	SW	3	0	29.75	-.15	40	39	+ 2	WSW	4	0	3	41	34	0.08		
Fanö ...	29.96	41	SW	2	0	29.95	+.01	44	43	+ 4	W	4	0	*	43	37	-		
Cuxhaven ...	30.07	*	*	*	*	30.08	+.01	44	44	+ 2	WSW	3	0	*	?	?	0.03		
Sumburgh Head																			
Stornoway	29.91	43	W	2	0	29.89	+.02	45	44	+ 2	SW	4	0	4	45	41	0.07		
Thurso ...	29.88	45	W	4	1	29.90	+.02	44	43	0	S	1	0	2	49	43	0.21		
Wick ...	29.87	43	W	2	0	29.90	+.03	45	44	+ 1	W	1	0	2	44	41	0.02		
Nairn ...	29.94	45	WSW	1	0	29.95	+.01	47	45	+ 4	W	0	0	1	47	43	-		
Aberdeen ...	29.93	45	WSW	1	0	29.95	+.02	35	34	- 5	WSW	1	0	1	46	35	-		
Leith ...	30.00	47	WSW	3	0	30.02	+.02	46	46	0	WSW	2	0	*	49	45	-		
Shields ...	30.04	45	W	3	0	30.07	+.03	42	41	- 1	W	1	0	1	47	42	-		
York ...	30.09	45	W	1	0	30.11	+.02	43	42	+ 5	WSW	1	0	*	48	36	-		
Scarborough ...	30.07	45	W	2	0	30.09	+.02	43	42	+ 3	W	1	0	2	46	40	-		
Nottingham ...	30.17	45	W	0	0	30.17	+.00	44	43	+ 5	W	0	0	*	46	39	-		
Ardrossan ...	30.07	30	W	3	0	30.04	+.04	49	46	0	SSW	3	0	3	51	49	-		
Greencastle ...	30.06	45	W	1	0	29.96	-.10	45	40	+ 3	SE	2	0	*	48	39	0.02		
Donaghadee ...	30.13	44	W	2	0	30.05	+.02	44	44	+ 6	SW	2	0	1	44	38	-		
Kingstown ...	30.17	48	W	0	0	30.09	-.08	46	45	+ 1	S	3	0	2	49	44	-		
Holyhead ...	30.14	49	W	3	0	30.11	+.03	47	46	0	SSW	1	0	1	50	46	-		
Liverpool (Bidston)	30.14	46	W	2	0	30.13	+.01	46	44	+ 2	SW	1	0	1	48	43	-		
Valencia ...	30.17	30	SSW	4	0	29.92	-.26	53	49	+ 7	S	7	0	5	54	44	0.04		
Roche's Point...	30.19	49	WSW	3	0	30.03	-.16	57	49	+ 9	S	4	0	4	57	40	-		
Pembroke ...	30.21	50	W	2	0	30.13	-.08	49	47	+ 1	S	2	0	2	50	47	-		
Portishead ...	30.19	47	W	2	0	30.19	+.00	44	43	+ 1	W	1	0	2	57	40	0.04		
Scilly ...	30.25	51	WSW	3	0	30.17	-.08	57	48	+ 1	SW	4	0	4	52	47	0.04		
Plymouth ...	30.24	43	WSW	1	0	30.20	+.04	43	42	+ 1	W	1	0	*	50	41	-		
Hurst Castle ...	30.19	45	WSW	2	0	30.20	+.01	46	45	+ 3	WSW	1	0	1	48	40	-		
Dover ...	30.17	43	WSW	2	0	30.19	+.02	45	43	+ 4	W	2	0	1	46	40	-		
London ...			WSW	2	0	30.19	+.00	42	42	+ 7	W	0	0	*	48	42	-		
Oxford ...	*	*	*	*	*	30.19	+.00	44	42	+ 7	WSW	1	0	*	46	37	-		
Cambridge ...	30.16	44	WSW	1	0	30.18	+.02	43	42	+ 5	SW	1	0	*	50	38	-		
Yarmouth ...	30.10	41	W	2	f	30.14	+.04	43	42	+ 6	W	2	0	2	45	36	-		
The Helder ...	*	*	*	*	*									*	*	*	-		
Cape Gris Nez	30.16	44	WSW	1	0	30.17	+.01	48	46	+ 3	WSW	2	0	1	48	45	-		
Brest ...	?	34	W	2	0	?	?	48	46	- 2	SE	3	0	4	55	43	0.04		
L'Orient ...	30.31	30	W	3	0	30.28	+.03	45	43	0	ENE	2	0	5	54	41	-		
Rochefort ...	30.22	34	W	4	0	30.23	+.01	46	45	0	E	1	0	4	55	43	-		
Biarritz ...	30.26	37	NE	3	0	30.29	+.03	39	36	- 9	ENE	3	0	4	54	36	-		
Corunna ...	*	*	*	*	*									*	*	*	-		
Brussels ...	*	*	*	*	*	30.19	+.20	43	*	- 4	WSW	3	f	*	*	*	0.15		
Charleville ...	*	*	*	*	*	?	?	40	*	- 5	SW	3	0	*	*	*	-		
Paris ...	30.19	46	WSW	2	0	30.26	+.07	36	*	- 6	S	2	f	*	*	*	-		
Lyons ...	*	*	*	*	*	?	?	30	*	- 4	W	2	0	*	*	*	-		
Toulon ...	29.86	52	WSW	3	0	29.93	+.07	50	45	0	WSW	1	0	?	55	39	?		

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.76	45	45	SW	6	r	5	Valencia	30.18	57	46	SW	3	o	3
Thurso	29.84	48	46	W	4	c	4	Scilly	30.24	52	49	W/NW	4	c	5
Scarborough ...	30.04	45	43	W	2	c	2	London	30.15	48	45	W/NW	1	b	*
Greencastle ...	30.05	47	46	SW	2	b	*	Rochefort ...	30.20	52	48	W	4	b	3
Holyhead	30.14	49	47	W	3	c	3								

Pressure continues to increase at all stations except Valencia where a slight fall has appeared since noon and the wind backed to SW.

EXPLANATION OF COLUMNS.

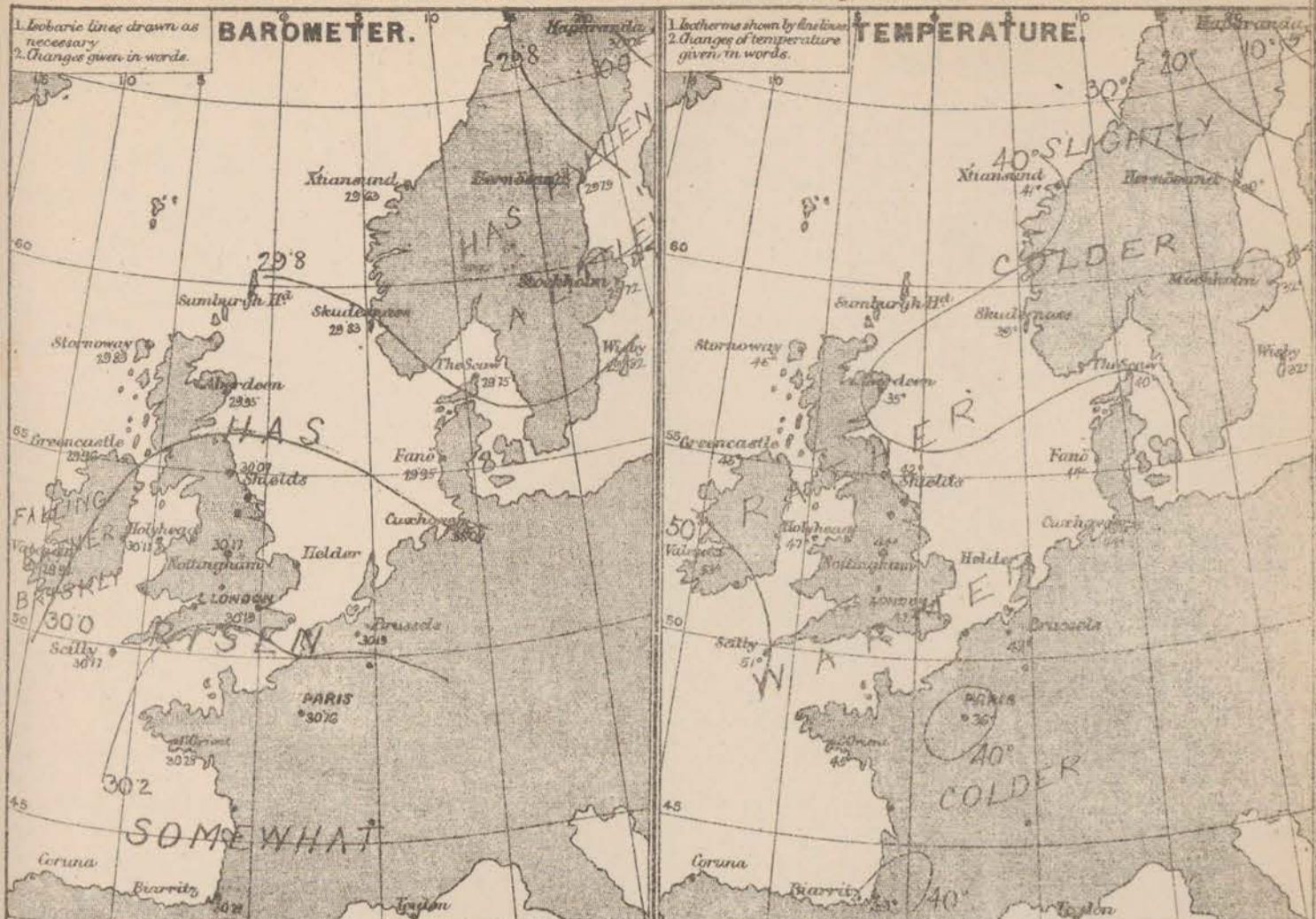
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 10th Dec^r 1876



REMARKS The slight barometrical depression which lay near Christiansund yesterday morning appears to have moved SE^{ly}, and the barometer consequently fallen at the Swedish stations, whilst it has risen in the west of Norway. The steady increase of fog which was going on over our Islands yesterday was considerably checked in the west during the latter part of the day and a fall has since set in over that region, which has become rather thick in the south of Ireland during the night. This decrease has caused the wind to back to the S^W or S^W at all our stations and to blow strongly at Vallaen, whilst the weather, which was generally bright and clear yesterday has become cloudy or overcast in almost all places. The fall of the barometer has not at present extended to the French stations, and the highest readings are now to be found over that country, the winds being very light and variable. Temperature has fallen a little in the northern parts of Norway and Sweden and also in some of the French Departments but has risen a few degrees in most parts of our Islands. The sea is rather rough at Christiansund and Vallaen moderate or smooth elsewhere.

Mornings issued this morning to our western coasts.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 20¢ per quarter, book post 5¢ per quarter.

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT DEC 11TH 1876.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 550 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 15).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.			
Haparanda ...	29.08	3	NE	2	o	30.23	+ .09	o	-1	-9	NR	2	bc	*	*	*	-		
Hernösand ...	29.92	38	SE	6	o	30.04	+ .25	22	21	-8	ESE	8	o	*	*	*	0.32		
Stockholm ...	29.72	30	E	2	o	29.84	+ .12	25	24	-7	N	2	s	*	*	*	0.12		
Wisby ...	29.66	23	ESE	4	h	29.84	+ .02	36	35	+4	NE	8	o	*	*	*	0.12		
Christiansund ...	29.83	24	NNW	3	o	29.95	+ .32	37	26	-4	ESE	1	c	41	36	-	-		
Skudesnaes ...	29.91	36	N	o	bc	29.93	+ .10	37	36	-2	ESE	1	q	3	41	36	-		
Oxö (Tiansand)																			
Skagen (The Sea)																			
Fanö ...														*	?	?	-		
Cuxhaven ...	30.00	*	*	*	*	29.98	- .02	46	46	+2	NNW	2	q	*	?	?	-		
Sumburgh Head																			
Stornoway	29.82	47	SSW	5	c	29.91	- .18	48	47	+3	SSW	5	d	5	48	44	0.11		
Thurso ...	29.88	38	SSW	1	b	29.76	- .12	43	42	-1	SSW	2	r	2	52	36	0.08		
Wick ...	29.90	45	N	o	bc	29.76	- .14	43	42	-2	S	2	o	0	48	39	-		
Nairn ...	29.90	45	NNW	1	bc	29.82	- .08	44	43	-3	N	o	q	3	47	43	0.02		
Aberdeen ...	29.93	37	N	o	b	29.87	- .06	44	43	+2	N	o	q	1	41	35	-		
Leith ...	29.96	47	WSW	2	b	29.88	- .08	48	45	+3	WSW	3	q	*	40	44	-		
Shields ...	30.03	49	N	o	o	29.97	- .06	49	47	+2	WSW	4	bm	1	49	42	-		
York ...	30.09	46	SW	2	o	30.04	- .05	43	42	-1	SSW	1	c	*	47	42	-		
Scarborough ...	30.07	45	WSW	1	o	30.02	- .05	44	42	+2	WSW	1	c	1	46	44	-		
Nottingham ...	30.14	44	WSW	1	o	30.09	- .05	43	41	-1	SSW	1	o	*	48	41	-		
Ardrossan ...	29.97	50	S	3	o	29.89	- .08	49	47	+2	SSW	5	p	5	50	48	-		
Greenecastle ...	29.89	47	SE	3	o	29.80	- .09	48	47	+1	SW	3	o	*	52	43	0.01		
Donaghadee ...	29.96	47	SW	3	bc	29.88	- .08	48	47	+1	S	3	c	2	48	44	-		
Kingstown ...	29.98	48	S	3	b	29.91	- .07	49	45	+4	S	3	c	2	49	45	-		
Holyhead ...	30.04	49	SSW	1	m	29.97	- .07	48	47	+1	S	3	c	2	50	46	0.03		
Liverpool (Bidston)	30.07	46	S	2	o	30.01	- .06	43	39	-4	SSE	2	bc	1	50	40	-		
Valencia ...	29.94	52	S	6	o	29.91	- .03	48	46	-2	SW	3	b	3	54	43	0.24		
Roche's Point...	29.95	52	S	5	c	29.93	- .02	47	46	-1	N	2	bc	3	52	44	-		
Pembroke ...	30.05	52	S	3	bc	30.01	- .04	50	48	+2	S	3	b	3	57	48	0.04		
Portishead ...	30.13	46	S	2	o	30.07	- .06	46	44	+2	SW	3	o	1	52	42	0.04		
Seilly ...	30.05	52	S	6	c	30.01	- .04	53	52	+1	SSE	4	o	4	54	50	-		
Plymouth ...	30.12	50	SSW	2	o	30.06	- .06	50	48	+2	S	1	o	*	50	42	-		
Hurst Castle ...	30.15	49	N	o	o	30.10	- .05	57	48	+9	SW	3	o	3	57	44	-		
Dover ...	30.17	45	N	1	c	30.12	- .05	43	41	-2	NNW	1	q	0	48	42	-		
London ...						30.12	- .07	43	41	+2	S	1	q	*	46	44	-		
Oxford ...						30.11	- .08	43	40	-3	N	o	f	*	46	41	-		
Cambridge ...	30.17	44	N	o	c	30.11	- .06	42	40	-2	SW	1	o	*	45	40	-		
Yarmouth ...	30.12	43	N	1	f	30.11	- .01	42	41	-1	WSW	1	f	2	45	40	-		
The Helder ...						30.08		42	41	-1	N	o	bc		45	40	-		
Cape Gris Nez	30.17	48	NNW	1	o	30.15	- .02	45	43	-2	SE	1	o	0	50	43	-		
Brest ...	?	52	SE	3	b	30.11	?	45	44	+1	SSE	2	b	4	52	45	-		
L'Orient ...	30.18	48	SSE	22	bc	30.11	- .07	46	43	+3	SSE	3	m	3	52	43	-		
Rochefort ...	30.18	54	SSE	21	bc	30.12	- .06	47	46	+1	SE	2	m	3	59	?	-		
Biarritz ...	30.19	54	E	14	b	30.11	- .08	43	?	+4	SE	1	c	3	57	46	-		
Corunna ...																			
Brussels ...						30.15	- .04	43		o	SW	3	f	*	*	*	*		
Charleville ...						30.09	?	40		o	E	1	f	*	*	*	*		
Paris ...	30.21	42	S	3	f	30.17	- .04	40		+4	S	2	f	*	*	*	-		
Lyons ...						?	?	46		-4	N	2	o	*	*	*	*		
Toulon ...																			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.90	46	38	N.W.	2	0	3	Valencia							
Thurso								Seilly							
Scarborough ...								London					*		
Greencastle ...						*		Rochefort ...	30.22	44	38	4	1	bc	3
Holyhead															

EXPLANATION OF COLUMNS.

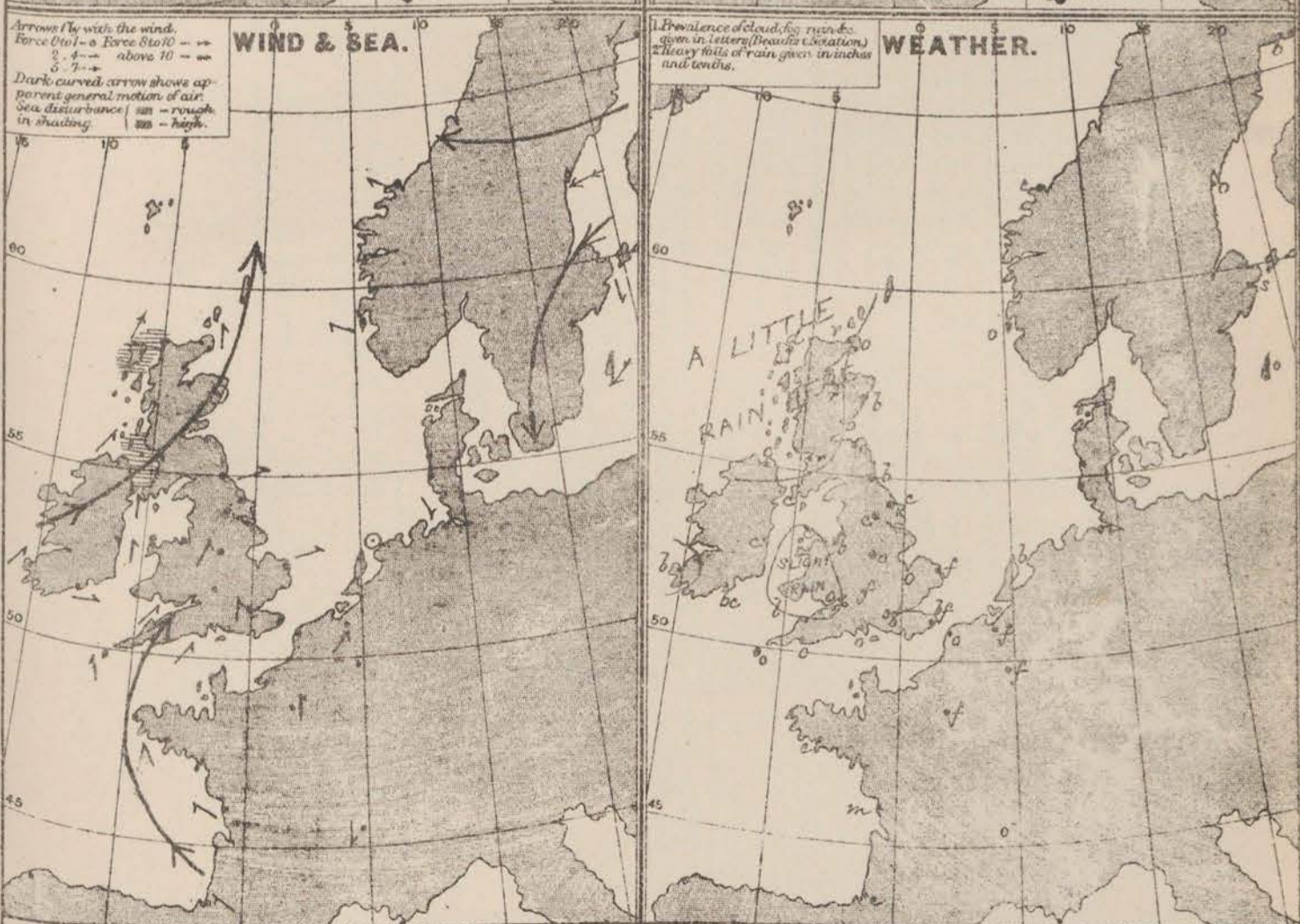
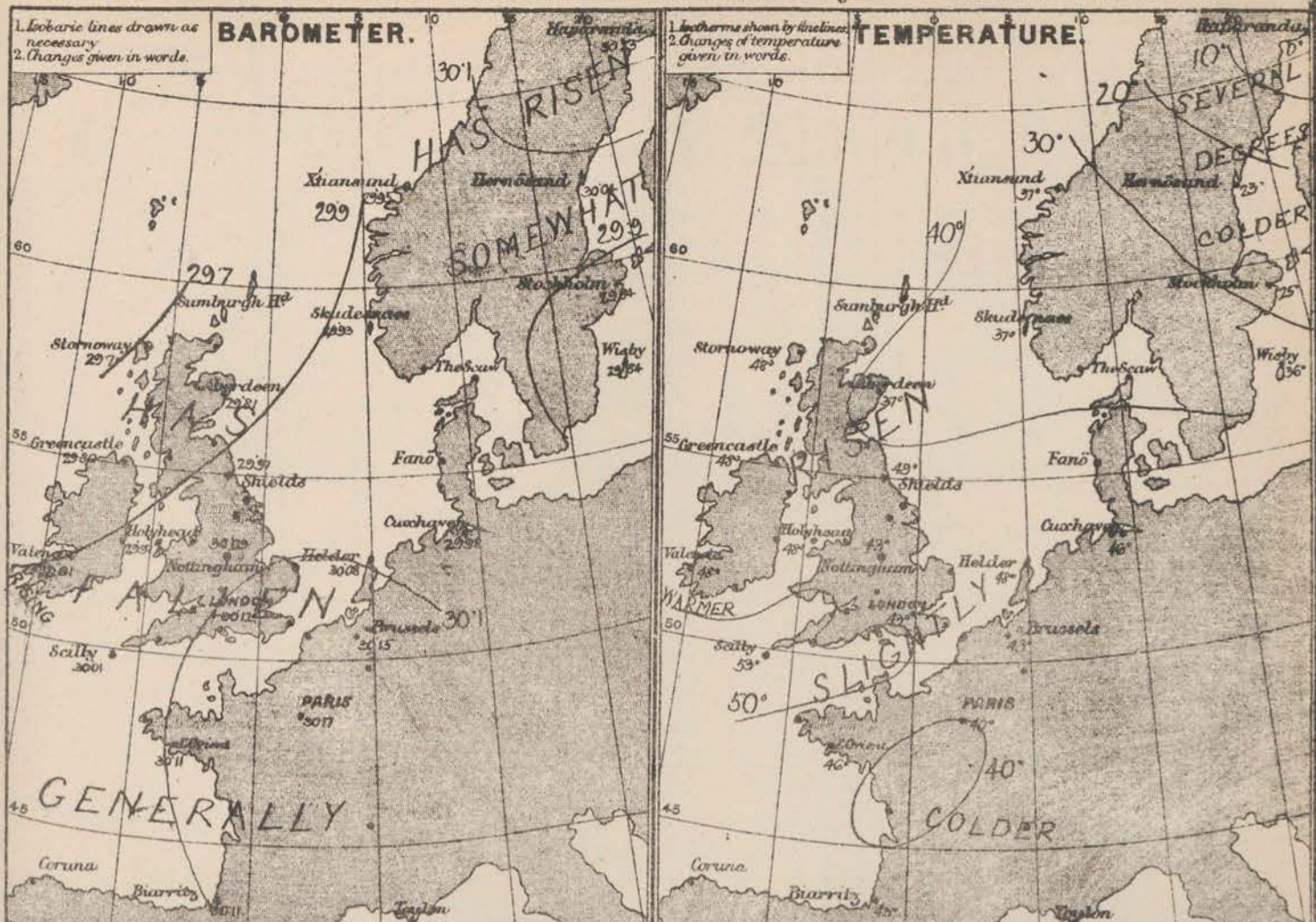
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m on Monday 11th DEC^r 1876*



REMARKS Since Saturday evening the barometer has fallen somewhat over the whole of the British Isles and west of France, while it has risen in Sweden. Two areas of high pressure are now reported, one over France, and the other over the north of Scandinavia, while the lowest pressure lies away to the NW of Scotland. Sth winds have consequently set in over the whole of these Islands, and SEth winds in the Bay of Biscay. The former has strongly for several hours on our south western coasts yesterday but has since moderated. In the Baltic a fresh gale from NE is reported this morning. Copenhagen has seen a little rain in our Islands, where it is high for the time of year but fallen again in the Gulf of Bothnia, where hard frost prevails. At Copenhagen the thermometer is down to zero Fahr. A little rain has fallen in the west and north. The day is very cloudy and gloomy in most places but clear in the south of Ireland, and rain is falling in the north east of Scotland, snow at Stockholm. The sea is rough in the north west, moderate to smooth elsewhere. Warnings were issued to our western coasts yesterday morning.

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

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

R. H. SCOTT.
Director.

Danvers Field, July 22 Bedford St. Covent 2-14.

DAILY WEATHER REPORT DEC^r 12th 1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 p.m. Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		THERM.			WIND.		Weather.	Sea. (0 to 5).	THERM.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 8 p.m. Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.52	-4	NE	2	c	29.28	+0.5	10	10	+10	N	1	c	*	*	*	-	
Hernösand ...	29.19	15	NE	1	b	29.19	+1.5	17	17	-5	NNE	2	c	*	*	*	0.04	
Stockholm ...	29.95	23	NNE	2	s	29.97	+1.3	21	20	-4	N	4	c	*	*	*	0.04	
Wisby ...	29.93	30	NE	8	s	29.95	+1.1	28	27	-8	N	4	c	*	*	*	0.12	
Christiansund ...	29.82	31	E	10	f	29.80	-1.5	34	29	-6	SE	3	b	2	34	28	-	
Skudesnaes ...	29.55	38	SSE	6	o	29.78	-1.5	33	32	-4	SE	7	s	5	39	?	-	
Oxö (Xtiansand) ...																		
Skagen (The Seaw) ...	30.04	32	NE	3	c	30.03		27	26		ENE	3	o	3	32	25	-	
Fanö ...	29.97	38	E	4	o	29.92		34	34		ESE	4	c	*	43	34	0.20	
Cuxhaven ...	30.02	*	*	*	*	29.93	-0.5	41	41	-5	SW	2	f	*	?	?	-	
Somburgh Head ...																		
Stornoway ...	29.58	47	SSW	3	bc	29.28	-4.3	39	38	-9	NW	1	b	4	49	38	0.15	
Thurso ...	29.64	44	SSE	1	c	29.27	-4.9	45	44	+2	SSE	3	r	4	47	40	0.16	
Wick ...	29.63	45	S	2	o	29.31	-4.5	46	45	+0.3	S	2	o	0	47	43	0.13	
Nairn ...	29.65	44	WSW	1	o	29.29	-5.2	48	45	+4	WSW	1	o	1	48	40	0.03	
Aberdeen ...	29.71	45	SSW	1	o	29.46	-4.5	46	45	+9	S	2.8	p	3	47	36	0.09	
Leith ...	29.74	49	SW	3	c	29.36	-5.2	50	48	+2	SSW	4	o	*	54	46	-	
Shields ...	29.84	45	SSW	4	b	29.50	-4.7	46	44	-3	SSW	5	rm	1	51	42	0.04	
York ...	29.93	43	S	1	b	29.59	-4.5	45	44	+2	S	3	p	*	48	39	0.04	
Scarborough ...	29.91	43	SW	2	c	29.59	-4.3	44	43	0	S	3	o	2	44	41	-	
Nottingham ...	29.96	41	SW	2	b	29.64	-4.5	45	44	+2	S	6	r	*	48	39	0.02	
Ardrossan ...	29.76	49	SSW	3	bc	29.39	-5.0	50	48	+1	NNW	3	o	4	51	49	0.39	
Greencastle ...	29.69	47	S	2	o	29.39	-4.1	45	44	-3	SW	1	o	*	49	43	0.23	
Donaghadee ...	29.76	45	N	3	o	29.43	-4.5	46	46	+2	N	2	c	1	49	44	0.29	
Kingstown ...	29.80	48	S	3	b	29.49	-4.2	49	47	0	N	4	bc	3	52	46	0.08	
Holyhead ...	29.84	50	S	4	m	29.48	-4.9	51	51	+3	SW	3	m	2	52	47	0.56	
Liverpool (Bidston) ...	29.88	44	SSE	2	bc	29.57	-5.0	46	45	+6	SSE	4	r	3	50	45	0.40	
Valencia ...	29.68	52	S	6	p	29.59	-3.2	48	45	0	NNW	3	bc	3	55	46	0.85	
Roche's Point...	29.77	49	SW	5	c	29.58	-3.5	46	44	-1	N	3	b	4	52	41	0.63	
Pembroke ...	29.93	51	SSW	3	o	29.55	-4.6	52	51	+2	N	3	rm	4	52	49	0.35	
Portishead ...	29.97	46	SW	3	b	29.63	-4.4	49	48	+3	S	6	rm	4	51	44	0.15	
Scilly ...	29.94	51	SSW	4	a	29.66	-3.5	52	52	+1	N	6	o	5	55	50	0.38	
Plymouth ...	29.99	52	SW	3	o	29.63	-4.3	52	52	+2	SW	5	o	*	54	49	0.24	
Hurst Castle ...	30.03	50	WSW	4	o	29.73	-3.7	49	49	-2	SSW	5	o	5	50	46	-	
Dover ...	30.07	46	SW	2	bc	29.85	-2.8	44	43	+1	SSW	4	c	4	48	42	0.02	
London ...	30.06	47	SW	2	o	29.77	-3.5	43	42	0	S	4	ay	*	48	43	-	
Oxford ...	*	*	*	*	*	29.70	-4.1	45	44	+2	SE	2	o	*	46	43	-	
Cambridge ...	30.04	44	S	1	o	29.74	-3.7	43	41	+1	S	3	o	*	46	40	0.04	
Yarmouth ...	30.06	43	SW	2	c	29.79	-3.2	43	41	+1	SSW	3	c	*	44	41	-	
The Helder...	*	*	*	*	*	29.87	-2.1	45	43	-3	SSW	2	c	*	44	41	0.08	
Cape Gris Nez ...	30.13	46	WSW	3	p	29.88	-2.7	46	46	-9	S	3	m	2	50	44	0.04	
Brest ...	?	52	S	4	o	?	?	54	52	+6	SW	4	r	5	?	48	0.24	
L'Orient ...	30.11	48	SE	3	o	29.85	-2.6	52	?	+6	SW	4	r	5	54	41	-	
Rochefort ...	30.13	48	ESE	3	o	29.99	-1.5	36	36	-1	SE	3	f	3	54	34	-	
Biarritz ...	30.19	52	ESE	3	b	30.00	-1.1	50	46	+7	S	2	c	4	52	39	0.02	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.94	-2.1	41	*	-2	S	3	o	*	*	*	*	
Charleville ...	*	*	*	*	*	29.96	-1.3	32	*	-8	S	1	o	*	*	*	*	
Paris ...	30.15	?	S	3	b	29.98	-1.9	35	*	-5	S	3	f	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	47	*	+1	N	2	?	*	*	*	*	
Toulon ...	29.95	50	SW	1	b	29.99		45	45	-1	?	2	m	3	55	46	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.93	40	36	SSE	6	o	4	Valencia	29.82	53	50	SSW	5	o	4
Thurso	29.70	45	45	SSE	2	p	2	Scilly	29.99	54	53	SSW	4	o	5
Scarborough ...	29.96	45	43	SW	1	c	1	London	30.09	47	45	SSW	2	c	*
Greencastle ...	29.76	44	43	SSW	2	b	*	Rochefort ...	30.10	39	39	ESE	2	m	3
Holyhead	29.91	50	49	S	4	d	3								

The barometer has begun to fall again at Valencia and the wind is freshening from SSW. with dull weather and a rising sea.
The warning signals are still up along our own Coast.

EXPLANATION OF COLUMNS.

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

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

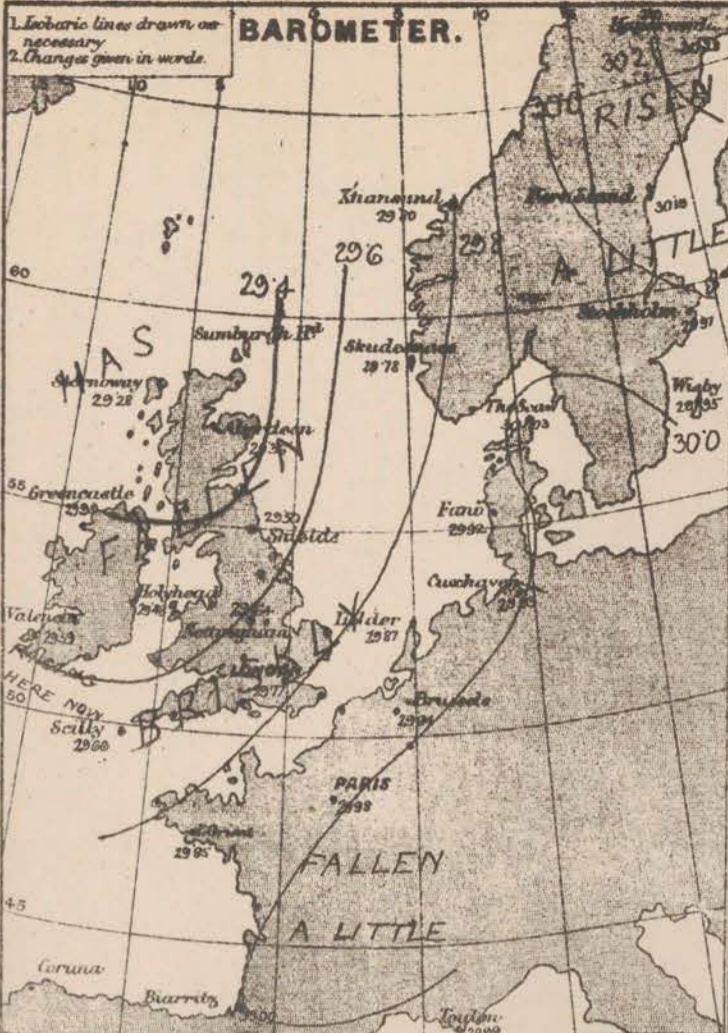
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Tuesday 12th DEC^r 1876

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

BAROMETER.



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

TEMPERATURE.



Arrows fly with the wind.
Force 11 to 10 —
2, 4 — above 10 —
0, 7 —
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 (See list of stations).
2. Heavy falls of rain given in inches and tenths.

WEATHER.



REMARKS During yesterday morning the barometer again began to fall somewhat briskly at Valentia, and the change not only continued throughout the day but has since extended to all parts of North Western Europe. A recovery has, however, now commenced in the south of Ireland. The highest readings are still reported from France and Scandinavia, and rather steep gradients for SW to SE winds consequently prevail in the south and east. Fresh to strong S breezes are therefore reported from the English stations and the east of Scotland this morning, and strong winds from the same quarter appear to have been felt at several of the western stations during the night. The wind has now veered to W on our western coasts and moderated. Temperature has again risen at several of the English stations but fallen fast in the west of Norway. Selly is now 27° warmer than the bar. Rain has fallen over nearly the whole of our Islands, and continues in many parts of Great Britain. In Ireland, however, the weather has since cleared up considerably. The sea is rather rough in the Channel and Bay of Biscay, slight elsewhere.

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

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT DEC^r 13th 1876.

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 ...	30.19	11	N	1	c	30.09	-.10	3	3	-7	SW	2	0	*	*	*	-	
Helsingfors ...	30.20	17	NE	14	c	30.19	-.01	16	15	-1	N	2	0	*	*	*	-	
Stockholm ...	30.06	20	NNE	2	c	30.10	+.04	18	18	-3	NE	2	0	*	*	*	-	
Wisby ...	30.02	30	E	14	S	30.08	+.06	27	27	-1	E	14	c	*	*	*	0.02	
Christiansund ...	29.72	36	SE	3	c	29.78	+.06	37	32	+5	SE	4	0	0	27	28	-	
Skudesnaes ...	29.75	25	ESE	8	o	29.80	+.05	44	34	+10	ESE	8	0	5	36	7	-	
Oxö (Ålensund) ...																		
Skagen (The Horn) ...	30.04	27	ESE	14	c	30.00	-.04	28	27	+1	ESE	14	0	4	30	25	-	
Fanö ...	29.86	38	ESE	5	o	29.80	-.06	37	37	+3	SE	6	0	*	37	34	-	
Cuxhaven ...	29.88	*	*	*	*	29.78	-.10	40	40	-1	SSE	4	0	*	7	7	0.03	
Sumburgh Head ...																		
Stornoway ...	29.35	40	SSW	4	c	29.44	+.09	43	43	+4	SSE	5	0	5	43	30	0.01	
Thurso ...	29.37	40	SW	1	c	29.53	+.16	32	31	-1	SSW	1	0	2	45	31	0.06	
Wick ...	29.38	38	N	0	c	29.55	+.17	34	33	-1	N	0	0	4	46	33	0.02	
Nairn ...	29.42	39	WSW	1	c	29.58	+.16	33	32	-1	N	0	0	1	48	32	0.03	
Aberdeen ...	29.39	40	NW	1	c	29.56	+.17	33	32	-1	WSW	1	0	2	47	33	0.16	
Leith ...	29.40	43	WSW	3	c	29.61	+.21	32	32	-1	SW	1	0	*	51	31	-	
Shields ...	29.48	47	SW	1	c	29.66	+.18	38	36	-2	WSW	1	0	2	47	37	0.06	
York ...	29.52	45	S	1	c	29.71	+.19	37	36	-1	WSW	1	0	*	48	35	0.18	
Scarborough ...	29.57	46	SSW	2	c	29.69	+.12	39	38	-1	WSW	2	0	2	46	38	0.19	
Nottingham ...	29.58	46	N	0	c	29.77	+.19	31	31	-1	N	0	0	*	47	31	0.13	
Ardrossan ...	29.49	47	SW	3	c	29.55	+.06	37	35	-2	E	3	0	3	50	37	0.07	
Greenecastle ...	29.47	41	SW	2	c	29.44	-.03	42	40	-2	SSW	3	0	*	48	35	0.07	
Donaghadee ...	29.54	40	N	3	c	29.54	0	45	43	-2	S	2	0	1	46	35	-	
Kingstown ...	29.59	46	N	1	c	29.56	-.03	44	42	-2	S	1	0	3	53	42	0.04	
Holyhead ...	29.58	47	N	1	c	29.62	+.04	44	43	-1	S	2	0	2	53	42	0.02	
Liverpool (Hdton) ...	29.56	45	WSW	3	c	29.65	+.09	38	36	-2	SE	2	0	2	50	36	0.22	
Valencia ...	29.69	43	N	3	c	29.58	-.11	50	48	-2	S	7	0	5	57	41	0.11	
Roche's Point ...	29.68	48	N	4	c	29.50	-.18	49	48	-1	S	5	0	4	50	45	0.12	
Pembroke ...	29.66	49	WSW	4	c	29.64	-.02	49	46	-3	SSW	5	0	4	57	46	-	
Portishead ...	29.64	46	SSW	4	c	29.74	+.10	40	38	-2	SW	2	0	2	57	36	0.18	
Seilly ...	29.75	57	WSW	6	c	29.69	-.06	50	48	-2	WSW	6	0	6	53	46	0.05	
Plymouth ...	29.70	47	NW	2	c	29.75	+.05	41	40	-1	SE	2	0	*	54	35	0.03	
Hurst Castle ...	29.65	57	WSW	4	c	29.80	+.15	42	42	0	E	1	0	1	57	39	0.19	
Dover ...	29.65	47	SW	6	c	29.79	+.14	41	40	-1	ENE	1	0	2	49	40	0.03	
London ...	29.60	49	SW	2	c	29.79	+.19	32	32	0	SW	1	0	*	47	32	0.07	
Oxford ...	*	*	*	*	*	29.78	+.08	31	31	0	N	0	0	*	49	31	0.17	
Cambridge ...	29.58	45	S	1	c	29.79	+.21	34	34	0	SW	1	0	*	47	34	0.27	
Yarmouth ...	29.69	44	S	5	c	29.73	+.04	36	36	0	N	2	0	2	45	35	0.31	
The Helder ...	*	*	*	*	*	29.66	+.06	46	46	0	N	2	0	*	*	*	0.08	
Cape Gris Nez ...	29.66	41	S	5	c	29.82	+.16	45	43	-2	WSW	2	0	1	?	36	0.20	
Brest ...	?	54	NW	4	c	?	?	52	50	-2	S	3	0	4	55	45	0.12	
L'Orient ...	29.55	50	WSW	3	c	29.89	+.34	46	45	-1	WSW	2	0	5	55	43	0.20	
Rochefort ...	29.07	46	S	4	c	29.90	+.03	43	43	0	ESE	1	0	3	48	36	-	
Biarritz ...	29.95	55	SSW	3	c	29.92	-.03	44	48	+4	WSW	2	0	2	59	46	0.40	
Corunna ...	*	*	*	*	*													
Brussels ...	*	*	*	*	*	29.81	-.03	44	*	0	SW	3	0	*	*	*	*	
Charleville ...	*	*	*	*	*	29.79	-.02	38	*	+6	SW	1	0	*	*	*	*	
Paris ...	29.54	38	S	4	c	29.89	+.35	43	*	+5	N	0	0	*	*	*	0.08	
Lyons ...	*	*	*	*	*	?	?	44	*	-1	SE	2	0	*	*	*	*	
Toulon ...	30.04	45	WSW	3	c	30.01	-.03	48	46	-2	WSW	2	0	4	45	45	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.74	35	31	ESE	8	0	5	Valencia	29.67	57	45	NW	4	c	4
Thurso	34	44	43	SW	1	c	2	Scilly	29.72	53	45	N	6	c	5
Scarborough ...	29.57	46	45	SSW	5	0	4	London	29.64	48	47	SSW	2	c	*
Greencastle ...	29.45	45	44	N	2	0	*	Rochefort ...	29.91	43	43	SE	4	0	3
Holyhead	29.54	48	46	N	4	c	3								

The barometer has risen at all the *nm.* and *nm.* stations since the morning but fallen locally in the E. The wind has veered to *nm.* at Valencia, but *SW* winds still prevail in the E, with dull rainy weather.

EXPLANATION OF COLUMNS.

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

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

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

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

DAILY WEATHER REPORT Dec 14th 1876.

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 13).		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 13).			Max.	Min.		
Haparanda ...	30.11	17	N.	1	o	30.30	+ .21	18	18	+ .15	N	0	o	*	*	*	-	
Hernösand ...	30.25	19	N	1	o	30.28	+ .09	19	18	+ .3	N	0	o	*	*	*	-	
Stockholm ...	30.14	21	N	1	o	30.19	+ .09	22	21	+ .4	N	0	o	*	*	*	-	
Wisby ...	30.15	28	E	4	o	30.17	+ .09	28	28	+ .1	ESE	4	o	*	*	*	-	
Christiansund ...	30.04	34	ESE	6	5	30.08	+ .28	35	32	+ .1	SE	4	o	4	36	34	-	
Oxö (Tiansand) ...	30.06	32	ESE	5	o	30.14	+ .14	31	29	+ .3	ESE	4	o	3	32	24	-	
Skagen (The Scaw) ...	29.90	25	SE	4	o	30.07	+ .27	34	34	- .3	NE	4	e	*	37	34	0.16	
Fanö ...	29.77	*	*	*	*	29.97	+ .19	40	40	o	N	1	e	*	?	?	0.10	
Cuxhaven ...	29.77	*	*	*	*	29.97	+ .19	40	40	o	N	1	e	*	?	?	0.10	
Sumburgh Head ...	29.50	45	SSE	6	o	29.57	+ .13	46	45	+ .5	S	5	o	5	48	42	0.04	
Stornoway ...	29.63	37	SSW	2	b	29.69	+ .16	46	40	+ .9	S	2	of	2	43	31	0.02	
Thurso ...	29.65	44	S	5	o	29.73	+ .17	44	43	+ .10	SSE	6	m	7	45	33	-	
Wick ...	29.63	39	N	0	b	29.71	+ .15	38	36	+ .5	N	0	e	3	42	30	-	
Nairn ...	29.69	37	S	1	o	29.76	+ .20	43	42	+ .10	S	4	o	4	44	32	0.04	
Aberdeen ...	29.67	41	SW	2	e	29.74	+ .13	43	41	+ .11	SSW	3	be	*	48	31	-	
Leith ...	29.74	39	SW	4	b	29.80	+ .20	39	38	+ .1	SSW	5	of	2	44	35	-	
Shields ...	29.77	38	S	1	b	29.90	+ .19	36	36	- .1	ESE	1	f	*	42	34	-	
York ...	29.78	40	SW	1	b	29.90	+ .21	36	36	- .3	SW	1	f	1	41	36	-	
Scarborough ...	29.81	38	N	0	b	29.90	+ .13	40	39	+ .9	SSE	1	o	*	43	30	0.03	
Nottingham ...	29.62	44	ESE	4	be	29.71	+ .13	46	44	+ .9	SE	5	e	5	47	37	0.02	
Ardrossan ...	29.41	48	SSE	4	o	29.64	+ .20	43	41	+ .1	N	1	o	*	49	40	0.02	
Greencastle ...	29.56	48	SSW	6	e	29.69	+ .15	43	43	- .2	SSW	2	e	2	49	43	0.04	
Donaghadee ...	29.57	40	S	3	e	29.71	+ .15	43	42	- .1	N	1	m	1	50	42	0.61	
Kingstown ...	29.60	44	S	4	b	?	?	47	45	+ .3	S	4	m	3	49	43	0.22	
Holyhead ...	29.70	40	SE	3	b	29.77	+ .09	41	40	+ .3	ESE	4	e	3	44	36	-	
Liverpool (Bidston) ...	29.40	45	NW	4	c	29.74	+ .26	40	39	- .10	SE	1	f	2	53	37	0.13	
Valencia ...	29.41	50	S	7	e	29.75	+ .35	42	40	- .7	N	3	b	4	52	42	0.25	
Roche's Point ...	29.58	48	SE	7	b	29.71	+ .07	43	43	- .6	N	2	f	4	51	43	0.54	
Pembroke ...	29.72	44	SSE	3	be	29.80	+ .06	44	42	+ .4	ESE	5	o	2	51	38	-	
Portishead ...	29.56	53	S	9	o	29.73	+ .04	48	46	- .2	N	5	o	6	53	45	0.58	
Scilly ...	29.68	49	SSE	3	o	29.74	- .01	48	48	+ .9	SE	3	o	*	53	40	-	
Plymouth ...	29.78	51	S	4	b	29.83	+ .03	48	44	+ .6	SSE	3	o	3	51	40	-	
Hurst Castle ...	29.86	46	SW	1	b	29.93	+ .44	43	41	+ .2	S	2	cg	2	48	40	-	
Dover ...	29.84	44	SSE	1	b	29.91	+ .12	42	41	+ .10	SE	1	o	*	51	32	-	
London ...	*	*	*	*	*	29.88	+ .10	42	40	+ .11	SE	1	o	*	49	31	0.04	
Oxford ...	29.83	38	S	1	b	29.93	+ .44	36	36	+ .2	SE	1	o	*	49	33	0.04	
Cambridge ...	29.85	41	SSW	1	b	29.94	+ .21	42	40	+ .6	SSE	2	be	2	43	35	0.04	
Yarmouth ...	*	*	*	*	*	29.99	+ .33	48	45	+ .2	N	0	b	*	*	*	-	
The Helder ...	29.88	38	NW	?	b	29.93	+ .11	41	39	- .4	SSE	1	o	0	50	39	-	
Cape Gris Nez ...	?	44	SSW	4	b	?	?	50	48	- .2	N	2	o	6	?	48	0.16	
Brest ...	29.78	48	S	3	b	29.79	- .10	46	46	o	ESE	3	m	5	54	45	-	
L'Orient ...	29.84	50	SSE	3	o	29.77	- .13	43	43	o	ESE	3	b	4	52	32	0.04	
Rochefort ...	29.82	55	SSE	3	o	29.78	- .44	48	43	- .6	S	3	e	5	52	43	0.04	
Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Corunna ...	*	*	*	*	*	29.99	+ .18	34	*	- .7	SSW	3	f	*	*	*	0.07	
Brussels ...	*	*	*	*	*	29.90	+ .11	41	*	+ .3	ESE	3	o	*	*	*	*	
Charleville ...	29.91	42	S	3	m	29.89	?	41	*	- .2	E	2	f	*	*	*	*	
Paris ...	*	*	*	*	*	?	?	50	*	+ .4	NW	2	o	*	*	*	*	
Lyons ...	30.01	50	E	4	o	29.98	- .03	52	50	+ .4	S	5	o	6	55	46	0.06	
Toulon ...																		

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	
Skudesnaes ...	29.88	44	31	ESE	8	5	Valencia	29.24	48	46	S	7	o	6
Thurso	29.18	39	37	SSW	2	2	Scilly	29.60	53	51	S	8	e	7
Scarborough ...	29.68	41	39	SW	1	2	London	29.81	46	44	SW	1	be	*
Greencastle ...	29.47	45	42	SSE	2	*	Rochefort ...	29.89	48	48	S	3	o	3
Holyhead	29.61	48	47	S	4	3								

The barometer has continued to fall briskly at Valencia, and the wind has increased to a fresh gale from S. on all S.W. coast, with a high sea. In the N. and N.W. however, the mercury has risen slightly, while in the S.E. very little change has occurred.

EXPLANATION OF COLUMNS.

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

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

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

WEATHER CHARTS for 8 a.m. on Thursday 14th DEC^r 1876



REMARKS The depression which lay off our western coasts yesterday morning is apparently being filled up rapidly, and the barometer is rising on all our coasts, while it is falling a little at the south-western French stations. The highest readings are now reported from Northern Europe. The wind rose to a strong gale from S. at the mouth of the Channel yesterday. Moderate S. to S.E. breezes are still reported from the greater part of our Islands, and E. winds at most of the Continental stations; but off our south-west coasts and in the Bay of Biscay (where pressure is irregularly distributed) the wind is extremely variable in direction, and light to moderate in force. Rain fell at most of the western and south-western stations yesterday. At Scilly and Azores the amount collected exceeded half an inch. In the east and south-east the sky was clear. The weather is now overcast and foggy except in the south of Ireland, where the sky is locally clear. The sea is rough at the mouth of the Channel and off our extreme northern and north-western coasts, but moderate to slight elsewhere. Signals lowered in the west this morning.

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

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT Dec. 15th 1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SEA-TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SEA-TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 32° F. yesterday.	Dry.	Wet.	Difference from 32° F. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...																		
Hernösand ...																		
Stockholm ...																		
Wisby ...																		
Christiansund ...																		
Skudesnaes ...	30.16	36	SE	4	o	30.23	+ .15	34	31	- 1	ESE	6	o	4	36	?	-	
Oxö (Kälsand)																		
Skagen (The Scaw)	30.25	30	ESE	4	o	30.27	+ .13	30	29	- 1	ESE	3	o	1	32	27	-	
Fanö ...	30.15	34	ENE	4	o	30.20	+ .13	32	31	- 2	E/NE	3	o	4	36	32	-	
Copenhagen ...	30.06	*	*	*	*	30.11	+ .11	37	37	- 3	ENE	4	c	4	?	?	-	
Sumburgh Head																		
Stornoway	29.69	42	SSH	1	ba	29.72	+ .15	43	41	+ 6	ESE	3	ba	4	48	40	-	
Thurso ...	29.76	42	SSE	4	o	29.77	+ .12	42	41	+ 1	S	5	c	4	43	40	0.03	
Wick ...	29.80	44	S	5	o	29.85	+ .13	44	42	o	S	5	ba	6	45	40	-	
Nairn ...	29.80	40	S	o	r	29.82	+ .11	41	38	+ 3	SSH	1	o	1	46	38	0.15	
Aberdeen ...	29.82	44	S	6	o	29.87	+ .11	44	40	+ 1	S	7	yo	5	45	43	-	
Leith ...	29.87	41	ENE	3	o	29.84	+ .10	40	39	- 3	SSH	3	o	4	46	39	-	
Shields ...	29.90	40	SSE	4	ba	29.93	+ .07	42	38	+ 3	SE	4	o	4	43	38	-	
York ...	29.92	40	S	1	o	29.96	+ .06	40	38	+ 4	SSE	1	o	4	42	35	-	
Scarborough ...	29.95	40	S	2	ba	29.96	+ .06	41	38	+ 5	S	1	o	2	41	36	-	
Nottingham ...	29.90	42	ESE	6	o	29.95	+ .05	39	38	- 1	SE	2	o	4	42	38	0.01	
Ardrossan ...	29.80	44	S	1	o	29.78	+ .07	44	42	- 2	SE	5	o	5	47	42	0.24	
Greencastle ...	29.74	41	SSE	1	ba	29.67	+ .03	40	39	- 3	SSE	2	ba	4	49	34	-	
Donaghadee ...	29.78	43	SSH	2	ba	29.73	+ .04	38	38	- 5	S	4	ba	2	45	35	0.06	
Kingstown ...	29.79	44	S	1	ba	29.73	+ .02	41	40	- 2	S	2	o	1	45	38	0.04	
Holyhead ...	29.87	46	ST	1	ba	29.76	?	46	45	- 1	S	2	mg	2	48	45	0.78	
Liverpool (Bidston)	29.83	42	ESE	3	o	29.84	+ .07	41	38	o	ESE	4	o	3	46	40	-	
Valencia ...	29.71	48	S	4	ba	29.46	- .28	48	49	+ 3	SSE	7	r	6	57	39	0.10	
Roche's Point...	29.77	45	SSH	3	ba	29.62	- .13	49	48	+ 7	SSH	6	o	5	49	42	-	
Pembroke ...	29.71	45	N/NE	1	o	29.73	+ .02	47	44	+ 4	S	2	ba	3	47	42	0.16	
Portishead ...	29.84	46	SSE	4	o	29.76	+ .06	44	42	o	ESE	6	m	4	49	40	-	
Scilly ...	29.80	49	SSH	3	o	29.75	+ .02	53	47	+ 2	S	5	o	5	50	43	-	
Plymouth ...	29.77	49	SE	2	o	29.78	+ .04	46	46	- 4	S	o	o/f	4	57	45	0.39	
Hurst Castle ...	29.86	47	E	3	o	29.84	+ .04	47	47	- 1	SE	3	r	3	49	44	0.04	
Dover ...	29.95	45	ESE	2	o	29.95	+ .02	46	43	+ 1	ESE	3	cg	2	46	43	-	
London ...	29.94	44	SE	1	o	29.92	+ .01	42	41	o	ESE	1	cg	4	45	40	-	
Oxford ...	*	*	*	*	*	29.89	+ .01	42	40	o	E	1	o	4	46	40	-	
Cambridge ...	29.90	40	SE	1	o	29.96	+ .03	39	38	+ 3	ESE	1	o	4	42	35	-	
Yarmouth ...	29.97	43	SE	4	o	29.98	+ .04	43	42	+ 1	ESE	5	o	4	44	41	-	
The Helder ...	*	*	*	*	*	30.06	+ .07	37	35	- 11	ENE	2	o	4	*	*	-	
Cape Gris Nez	29.95	39	E	1	o	29.95	+ .02	41	39	o	ESE	1	o	0	43	36	-	
Brest ...	?	52	N	o	o	?	?	48	45	- 2	N	2	o	5	52	46	0.46	
L'Orient ...	29.64	48	SE	3	r	29.88	+ .09	45	45	- 1	N	1	m	5	53	43	0.28	
Rochefort ...	29.82	48	ESE	3	o	29.90	+ .13	45	45	+ 2	S	4	o	3	52	39	-	
Biarritz ...	29.88	55	E	1	o	29.94	+ .16	42	41	+ 5	S	1	m	7	57	39	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.00	+ .01	38	*	+ 4	SE	3	no	*	*	*	*	
Charleville ...	*	*	*	*	*	29.96	+ .06	42	*	+ 1	SH	3	o	*	*	*	*	
Paris ...	29.91	45	ENE	2	o	29.97	+ .08	44	*	+ 3	SE	2	f	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	37	*	+ 1	NE	2	m	*	*	*	*	
Toulon ...	30.02	52	SE	4	o	30.08	+ .10	40	48	- 2	SE	5	ba	6	54	50	0.04	

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

	Bar.	Dry.	Wet.	Wind.		Wes.	Sea.		Bar.	Dry.	Wet.	Wind.		Wes.	Sea.
Skudesnaea ...	30.14	36	38	ESE	4	0	4	Valencia	29.75	45	45	5	2	bc	3
Thurso	29.78	42	41	SSH	4	0	3	Scilly	29.79	49	47	4	4	0	7
Scarborough ...	29.96	40	38	S	2	0	2	London	29.98	45	43	SE	1	0	*
Greencastle ...	29.66	46	43	SSH	1	6	*	Rochefort ...	? 29.84	45	45	ESE	2	m	3
Holyhead	29.76	45	44	SSH	2	r	1								

Pressure continues to increase slowly in the E and N, but is very unsteady in the S of Ireland. At Valencia it has begun to fall a little since noon and a light S.W. breeze has set in with fine weather, although at Scilly the wind is still N.W. and the sea high.

EXPLANATION OF COLUMNS.

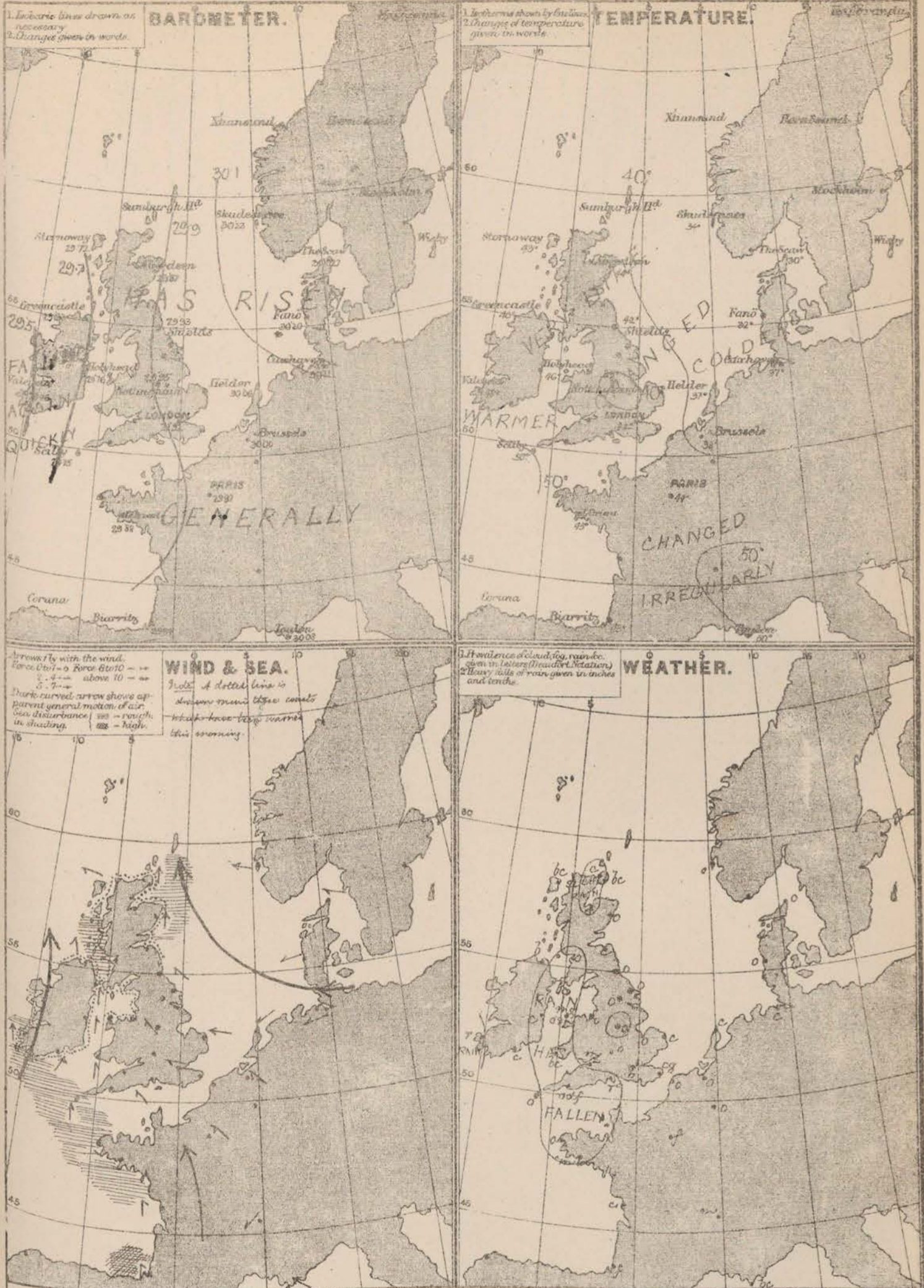
WEATHER—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

WEATHER CHARTS for 8 a.m on Friday 15th DEC^r 1876



REMARKS During the past night the barometer has begun to fall again at our western stations (especially at Valentia) while in the east it continues to rise. The local irregularities noticed in the southwest yesterday have disappeared. The wind has consequently become S^t again on all our western and northern coasts, and has increased to a slight gale both at Valentia and Aberdeen while a strong breeze is reported at the mouth of St. George's Channel. On our east and south-east coasts it is SE^t, while in Holland and Denmark it is E^t. Temperature has risen except at the British stations but is not very high. The sky is very cloudy, the weather gloomy, and rain is falling at Valentia. The sea continues rough off our northern as well as our south-western coasts and in the Bay of Biscay. Foggy (wind) to our western and northern coasts this morning.

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

R. H. SCOTT.
 Director.

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DAILY WEATHER REPORT

DEC 16TH

1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. Sea Level.	Temp. in shade	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*	*	*		
Skudesnaes ...	30.22	31	ESE	2	b	30.16	- .07	27	27	- 7	E	2	c	2	34	?		
Oxö (Xtiansand)																		
Skagen (The Scaw)	30.24	28	ESE	2	b	30.21	- .06	28	26	- 2	N	0	o	0	30	25	-	
Fanö ...	30.17	32	E	4	o	30.13	- .07	32	31	- 1	ENE	4	c	*	32	30	-	
Cuxhaven ...	30.12	*	*	*	*	30.09	- .08	36	36	- 1	ESE	2	b	*	?	?	-	
Sumburgh Head																		
Stornoway	29.70	45	SE	6	o	29.70	- .02	45	42	+ 2	ESE	5	c	6	45	42	-	
Thurso ...	29.41	43	S	5	o	29.37	+ .06	42	39	- 3	SSE	5	p	4	44	37	0.01	
Wick ...	29.58	44	S	7	b	29.51	+ .06	43	43	- 1	ESE	7	o	8	44	41	-	
Nairn ...	29.83	40	SSE	2	c	29.81	- .01	41	39	- 2	SSE	3	o	2	43	39	-	
Aberdeen ...	29.89	44	S	7	o	29.87	- .02	42	40	- 2	S	6	p	5	45	42	0.06	
Leith ...	29.84	42	SSE	3	o	29.78	- .06	43	42	+ 3	SSE	3	o	*	45	38	-	
Shields ...	29.89	43	SSE	6	o	29.83	- .06	43	42	+ 1	SE	6	o	5	44	43	0.09	
York ...	29.89	41	SSE	2	p	29.83	- .06	43	43	+ 3	SSE	2	p	*	44	39	0.11	
Scarborough ...	29.91	43	SSE	6	o	29.85	- .06	43	42	+ 2	SE	6	o	5	44	40	0.06	
Nottingham ...	29.80	43	ESE	3	p	29.82	- .02	43	43	+ 4	SE	4	o	*	43	39	0.04	
Ardrossan ...	29.77	42	E	3	b	29.71	- .07	45	42	+ 1	ENE	5	p	4	46	41	-	
Greencastle ...	29.68	44	SE	3	o	29.71	- .03	46	45	+ 6	ESE	4	o	*	47	38	-	
Donaghadee ...	29.66	46	SE	7	o	29.60	- .06	47	47	+ 9	SE	6	o	5	47	38	0.16	
Kingstown ...	29.61	47	SSE	6	c	29.57	- .04	49	48	+ 8	SSE	6	o	5	49	39	0.19	
Holyhead ...	29.69	45	SSE	3	m	29.59	- .10	46	45	- 1	SE	3	o	2	47	43	0.02	
Liverpool (Bidston)	29.74	42	ESE	12	o	29.68	- .06	44	42	+ 3	ESE	5	o	3	44	40	0.01	
Valencia ...	29.32	49	SW	5	p	29.33	- .01	53	47	+ 2	S	4	c	4	52	47	0.76	
Roche's Point...	29.44	49	S	8	p	29.41	- .03	49	48	- 1	SSW	5	c	4	51	48	0.29	
Pembroke ...	29.64	49	SE	5	b	29.53	- .11	51	50	+ 4	SE	4	c	5	55	44	0.17	
Portishead ...	29.86	44	SE	3	o	29.69	- .17	47	46	+ 3	SSE	6	o	4	47	40	0.06	
Scilly ...	29.59	51	SSE	3	p	29.49	- .10	54	52	+ 4	SSE	8	p	6	54	49	0.21	
Plymouth ...	29.72	47	SSE	2	b	29.60	- .12	52	51	+ 4	SE	3	o	*	53	45	0.10	
Hurst Castle ...	29.75	50	S	4	o	29.71	- .04	49	49	+ 2	S	5	p	5	50	45	0.04	
Dover ...	29.87	45	SE	3	c	29.55	- .32	45	44	+ 1	ESE	3	o	2	47	44	0.08	
London ...	29.80	46	ESE	2	om	29.82	- .02	47	47	- 1	SE	4	o	*	46	39	0.03	
Oxford ...	*	*	*	*	*	29.77	- .03	43	42	+ 1	SE	1	o	*	46	41	0.06	
Cambridge ...	29.80	44	SE	1	c	29.83	- .03	46	43	+ 5	SE	1	o	*	45	38	0.02	
Yarmouth ...	29.92	44	ESE	5	o	29.87	- .05	44	43	+ 1	ESE	4	o	4	45	42	-	
The Helder ...	*	*	*	*	*	29.95	- .11	37	37	- 1	ENE	1	o	*	*	*	-	
Cape Gris Nez	29.86	43	E	2	o	29.84	- .02	44	41	- 3	SSE	1	m	0	45	39	-	
Brest ...	?	52	SSW	4	o	?	?	52	52	+ 6	SSW	4	o	6	?	46	0.24	
L'Orient ...	29.82	50	SW	3	b	29.71	- .11	52	50	+ 7	SSW	4	o	5	54	41	0.04	
Rochefort ...	29.88	50	S	3	o	29.80	- .08	46	41	- 5	SE	4	m	3	50	39	0.12	
Biarritz ...	29.87	55	SSW	3	c	29.76	- .11	50	43	+ 7	SSE	3	c	4	55	41	-	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.89	- .11	40	*	+ 2	SE	1	f	*	*	*	*	
Charleville ...	*	*	*	*	*	29.77	- .12	42	*	- 1	S	3	f	*	*	*	*	
Paris ...	*	*	*	*	*	?	?	51	*	- 1	S	2	f	*	*	*	*	
Lyon ...	*	*	*	*	*	?	?	51	*	- 1	S	2	f	*	*	*	*	
Toulon ...	29.96	50	E	5	b	29.70	- .26	52	46	+ 2	E	4	f	4	54	48	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.23	32	32	ESE	4	o	Valencia	29.33	57	50	S	7	p	6
Thurso	29.82	42	40	S	5	c	Scilly	29.65	53	51	S	7	o	6
Scarborough ...	29.92	43	41	SSE	5	o	London	29.80	45	44	SE	2	omg	*
Greencastle ...	29.60	46	43	SE	3	o	Rochefort ...	29.88	48	48	S	3	o	3
Holyhead	29.72	46	45	SSE	4	om								

The barometer continues to fall briskly in the S.W. where the wind continues strong from S. with a rough sea.

EXPLANATION OF COLUMNS.

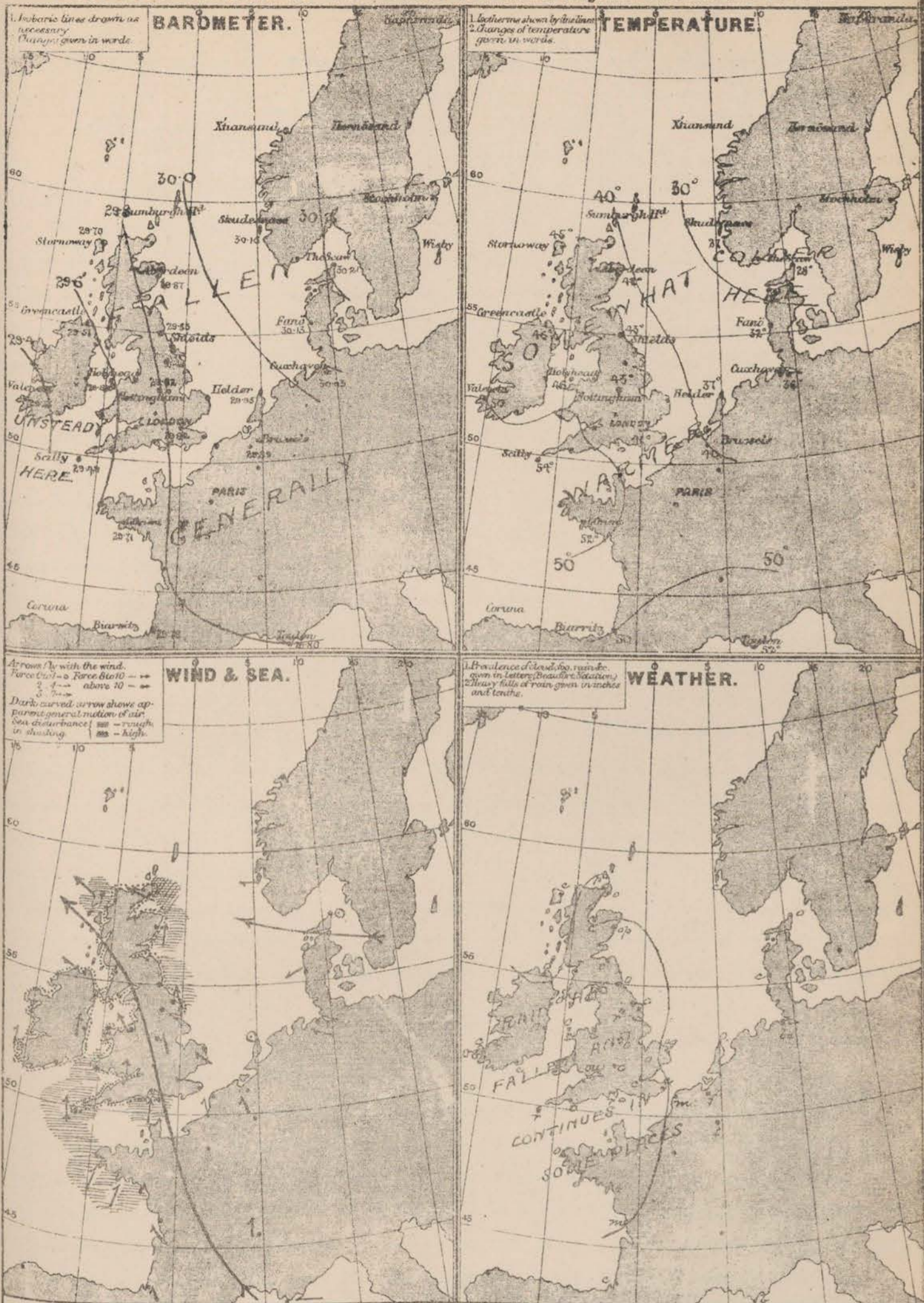
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 DEC: 16. 1876.



REMARKS. The fall of the barometer noticed in the W. yesterday has since spread over nearly the whole of W. Europe, though the change is slighter at the E. than at the W. stations. Readings now range from 30.2 ins. at the Shet to 29.3 ins. at Valentia. The wind rose to a fresh gale from S or SE, on all our W., N. and NE. coasts yesterday, & during the night, and in some places (notably at Sully) blew very hard for a short time. Although the gale has since subsided in most places, strong winds from the same quarters are still blowing in the W. and N. and very light winds in the SE. In Norway and Denmark the wind is light from the E. Temperature has again risen a little in our Islands. Rain has fallen in most places, heavily at Valentia, and continued at several stations. The sky is very cloudy, and the weather extremely unsettled. The sea is rough on all but our SE. coasts. Our W. and N. coasts were warmed yesterday morning, and our NE. coasts last evening, warmings extended to the SW. this morning.

SUMMARY OF WEATHER IN WESTERN EUROPE

from DEC^r 10th to DEC^r 16th 1876.

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

Disturbances have continued to pass over our Islands or in their immediate neighbourhoods, but they have been of little importance as compared with those of the previous week, and the gales which have accompanied them have been slight generally. The wind during the early portion of the week was from between S and S.W. but after Wednesday pressure rose considerably over the Baltic and S.E. breezes appeared which though moderate generally increased to a gale on Friday and Saturday. Temperature has not changed much, and has varied from about 50° in the S.W. to about 40° in Scotland. The weather has been very unsettled, rain has fallen in most places, and the sea has been rough particularly in the S.W. —

DEC^r 10th A slight decrease of pressure had occurred over Sweden, the shallow disturbance noticed near Chirkensund at the close of last week having moved S.E.^r. At all the other Continental stations, however, as well as over the greater part of these Islands, the barometer had risen but on our W. coast, the decrease which had commenced on Saturday evening had continued and at Valentia become rather brisk. The wind in consequence had backed to S.W. or S. on nearly all our coasts, and though light generally, blew freshly in the S. of Ireland. Temperature had fallen somewhat in the E. and S. of France, as well as over the greater part of Norway and Sweden, but in these Islands it had risen a few degrees. The sky was generally cloudy or overcast. By 6 P.M. the decrease had spread to all our stations, but the winds had fallen lighter in the W.

DEC^r 11th The fall of the barometer had spread to all the French stations while over nearly the whole of these Islands the decrease still held, but at Valentia a slight recovery had set in during the night. In Sweden the mercury had risen, and the highest readings were found over the Gulf of Bothnia, while over France also an area of comparatively high readings was reported. Light to moderate breezes prevailed generally from S.E. over the Bay of Biscay, and from S. to S.W. over these Islands, and the North Sea, but at the Baltic stations fresh N.E. gales were reported. Temperature had fallen over Norway and Sweden (the thermometer at Haparanda being as low as zero), but had risen over the British Isles, where it was high for the time of year. The sky was cloudy and foggy at all except some of our S.W. stations, and during the day rain fell generally, the amount being large in the W. In the evening the barometer was falling again briskly in the S.W. and to a less extent elsewhere.

DEC^r 12th The mercury still rose slowly at the Swedish stations, but in all parts of Europe it had fallen. The decrease amounted to nearly half an inch in the N. of Scotland, where the lowest pressures were found, and rather steep gradients for S.W. winds were reported on our coasts. The wind was S. generally but had veered to W. in the S. of Ireland, where a slight recovery had taken place during the night. It was light in force over France, but increased in force further N.^r, and at Aberdeen and Skudenes blew a moderate gale. Temperature had risen at our stations, but fallen several degrees in the N. of Norway and over the Netherlands. Rain was falling in many places, but in the S. of Ireland, and in the Hebrides the sky was clear. Later reports showed a general recovery of pressure in the W. but in the E. the barometer still fell.

DEC^r 13th A fresh fall of the barometer had commenced in the W. during the night, while the recovery which was reported there on the previous evening had passed on to our E. and N. coasts. A rather deep disturbance lay apparently to the W. of Ireland, but owing to the presence of a small secondary depression over the North Sea, gradients were not as steep as on the previous days, so that though fresh to strong S.W. breezes still prevailed in the extreme W. very light airs were reported in the E. On the E. shores of the North Sea strong S.E. winds were blowing. The thermometer had again risen in the S.W. but in the E. and N. it had fallen fast and a difference of 14° was reported between the

temperature over Central England where frost prevailed, and that of our S.W. stations. The sky was clear except at Valentia, by the evening the depression which had caused the fall in the N. had advanced over Ireland, where it was apparently filling up. The wind at Valentia having at the same time veered to N.W. with a rapidly rising barometer.

DEC^r 14th The depression which was reported over Ireland had apparently been almost filled up, and the barometer was rising in all parts of our area, except the S.W. of France. The region of highest readings was still found in the extreme N. The wind was rather variable in direction; at most of our stations it was S.E. to S.W., but in the S.W. N.W. breezes were reported, while at most of the Continental stations the wind was E. It was everywhere moderate or light in force. Temperature had risen slightly except in the N. of France. The weather was clear in the S. of Ireland but overcast or cloudy elsewhere with a great deal of fog. During the day the rise of the barometer ceased in the N. and a slight decrease appeared at Valentia.

DEC^r 15th The decrease at Valentia had become rather brisk during the night and extended to other N.W. stations, but elsewhere the barometer continued to rise, the highest pressures being still found over Scandinavia. The wind was S.W. in the N. and N. and at some places fresh or strong in force, but over the North Sea and on our E. coasts, light S.E. breezes prevailed. Temperature had not changed much except in the South of Ireland, where it had risen several degrees. Rain was falling at Valentia and Hurst Castle, and the sky was cloudy or overcast except in the N.W. During the day the mercury fell generally but the decrease was greatest in the N. and the winds rose to a fresh gale from S. on different parts of the coasts.

DEC^r 16th The barometer had fallen in all parts of W. Europe, except the extreme N.E. of Scotland, the change continuing greater in the S.W. than elsewhere. The distribution of pressure was unaltered, the highest readings being still reported from Scandinavia, and the lowest off the S.W. of Ireland. The winds were S.W. or S.W. over France, but were generally S.E. over these Islands. At all the more N.W. and N. stations the wind was fresh in force, but in the S.E. and S. it was moderate. Temperature had risen slightly over these Islands, but had fallen over Scandinavia, and at Haparanda was as low as -1°F . The sky was cloudy or overcast, and rain was falling in several places. Later reports showed very little change.

DAILY WEATHER REPORT *Dec 17th* 1876.

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 ...	30.21	0	N	2	0	30.18	- 10	- 9	- 9	+ 8	N	2	b	*	*	*	-	
Hernösand ...	30.25	12	N	0	6	30.09	- 10	3	3	0	N	2	ba	*	*	*	-	
Stockholm ...	30.23	16	N	0	0	30.18	+ 3	22	22	+ 3	WSW	2	f	*	*	*	-	
Wisby ...	30.23	29	NE	4	0	30.23	+ 6	22	21	- 6	ESE	6	ba	*	*	*	-	
Christiansund ...	30.17	33	E	4	6	30.08	- 13	30	28	?	ESE	3	b	2	36	28	-	
Skudesnaes ...	30.19	31	SE	2	0	30.11	- 05	30	28	+ 3	SE	6	c	3	34	27	-	
Oxö (Åtlands)	?	28	?	6	0	30.17		22	21		NNE	4	0	3	28	19	-	
Skagen (The Seaw)	30.23	28	SE	2	0	30.19	- 02	28	26	0	N	0	0	0	30	25	-	
Fanö ...	30.11	34	E	4	0	30.06	- 07	33	32	+ 1	SE	4	c	*	34	30	-	
Cuxhaven ...	30.03	*	*	*	*	29.99	- 04	35	35	- 1	SE	4	0	*	?		-	
Sumburgh Head																		
Stornoway	29.70	43	ESE	4	6	29.65	- 05	43	41	- 2	E	5	c	5	46	42	-	
Thurso ...	29.86	42	SE	5	7	29.81	- 06	41	40	- 1	ESE	6	04	4	43	40	0.19	
Wick ...	29.88	43	ESE	8	7	29.83	- 08	42	40	- 1	ESE	8	04	8	43	40	0.2	
Nairn ...	29.80	42	SSE	1	6	29.74	- 07	42	39	+ 1	SE	2	ba	1	43	39	-	
Aberdeen ...	29.85	43	SSE	5	0	29.81	- 06	42	40	0	SSE	5	0	5	44	41	0.21	
Leith ...	29.77	44	SSE	3	0	29.71	- 07	43	42	0	SSE	4	7	*	46	41	0.05	
Shields ...	29.84	44	SSE	6	0	29.74	- 07	43	42	0	SSE	2	07	4	45	42	0.12	
York ...	29.83	43	ESE	2	0	29.76	- 07	42	41	- 1	SE	2	7	*	45	41	0.08	
Scarborough ...	29.85	44	SE	7	9	29.76	- 09	44	44	+ 1	SE	6	7	5	44	43	0.23	
Nottingham ...	29.80	44	SSE	34	0	29.74	- 08	44	44	+ 1	SE	2	7	*	46	42	0.39	
Ardrossan ...	29.71	45	ESE	4	0	29.69	- 02	42	41	- 3	E	3	0	3	47	41	0.41	
Greencastle ...	29.52	47	ESE	4	7	29.57	00	46	45	0	ESE	1	7	*	48	46	0.19	
Donaghadee ...	29.60	47	SSE	7	0	29.58	- 02	47	47	0	SSE	5	c	4	48	45	0.53	
Kingstown ...	29.52	49	SE	1	0	29.53	+ 02	48	47	- 1	SE	2	0	3	50	46	0.93	
Holyhead ...	29.58	48	ESE	3	7	29.57	- 02	43	43	- 3	ESE	1	b	1	50	42	0.58	
Liverpool (Bidston)	29.69	44	ESE	5	0	29.63	- 05	44	43	0	ESE	3	0	3	46	43	0.16	
Valencia ...	29.38	49	S	4	0	29.35	+ 02	50	47	0	SSE	4	4p	4	52	46	0.50	
Roche's Point...	29.47	49	SSW	5	60	29.43	+ 02	49	48	0	SSW	5	p	4	50	47	0.15	
Pembroke ...	29.54	50	SSE	4	30	29.54	+ 01	49	48	- 2	SE	3	b	4	51	47	0.33	
Portishead ...	29.65	48	SE	6	0	29.62	- 04	46	45	- 1	SE	4	0	3	50	44	0.32	
Seilly ...	29.53	52	S	5	0	29.52	+ 03	50	50	- 4	S	6	0p	7	54	50	0.10	
Plymouth ...	29.59	57	S	3	0	29.58	- 02	49	49	- 3	S	2	0	*	54	46	0.79	
Hurst Castle ...	29.70	50	SSE	5	0	29.65	- 06	48	47	- 1	ESE	4	0	4	50	46	0.53	
Dover ...	29.82	46	ESE	2	0	29.74	- 11	44	42	- 1	E	3	c9	3	46	43	-	
London ...	29.80	45	SE	3	0	29.72	- 10	43	43	+ 2	SE	1	0	*	45	41	0.12	
Oxford ...	*	*	*	*	*	29.70	- 07	44	43	+ 1	ESE	1	0	*	45	43	0.33	
Cambridge ...	29.81	44	SE	1	0	29.73	- 10	44	43	0	SE	1	0	*	48	43	-	
Yarmouth ...	29.86	44	ESE	5	0	29.78	- 09	44	42	0	ESE	4	0	4	45	42	-	
The Helder ...	*	*	*	*	*	29.88	- 07	37	36	0	E	1	c	*	*	*	-	
Cape Gris Nez	29.54	45	SSE	1	0	29.75	- 09	41	39	0	E	1	ba	0	45	39	-	
Brest ...	?	52	SSW	4	0	?	?	48	44	- 6	SE	3	0	5	55	48	0.39	
L'Orient ...	29.68	52	SSW	4	0	29.62	- 09	45	45	- 7	SE	3	m	5	54	43	0.08	
Rochefort ...	29.73	46	E	4	0	29.65	- 15	45	45	+ 4	SE	3	0	3	54	37	-	
Biarritz ...	29.69	55	SSE	2	0	29.60	- 16	57	46	0	SSE	2	7	6	59	44	-	
Corunna ...	*	*	*	*	*			*	*					*	*	*	*	
Brussels ...	*	*	*	*	*	29.80	- 09	37	*	- 3	SE	3	m	*	*	*	*	
Charleville ...	*	*	*	*	*	?	?	41	*	- 1	SE	3	0	*	*	*	*	
Paris ...	29.84	44	ESE	3	f	29.73	- 15	40	*	+ 1	SE	3	f	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	48	*	- 3	SE	2	0	*	*	*	*	
Toulon ...	29.79	52	ENE	3	7	29.75	- 05	52	50	0	E	3	0	3	57	50	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea		Bar.	Dry.	Wet.	Wind.	Wen.	Sea		
Skudesnaes ...	30.06	28	26	SSE	2	C	3	Valencia	29.35	57	48	SSE	5	ba	4
Thurso	29.88	42	40	SE	5	cu	4	Seilly	29.57	52	50	SSW	6	c	7
Scarborough ...	29.84	44	43	SE	7	0	3	London	29.80	46	45	SE	3	gd	*
Greencastle ...	29.52	47	46	ESE	4		*	Rochefort ...	29.60	48	48	SSE	3	2	3
Holyhead	29.59	48	47	ESE	3	4p	3								

A very slight rise of the barometer took place on our SW coasts during the morning and at Seilly the gale lulled about 10 a.m. and the wind shifted to SSW. At Valencia, however, the mercury has again begun to fall (since noon) and the wind has backed to SSE and is rising again.

EXPLANATION OF COLUMNS.

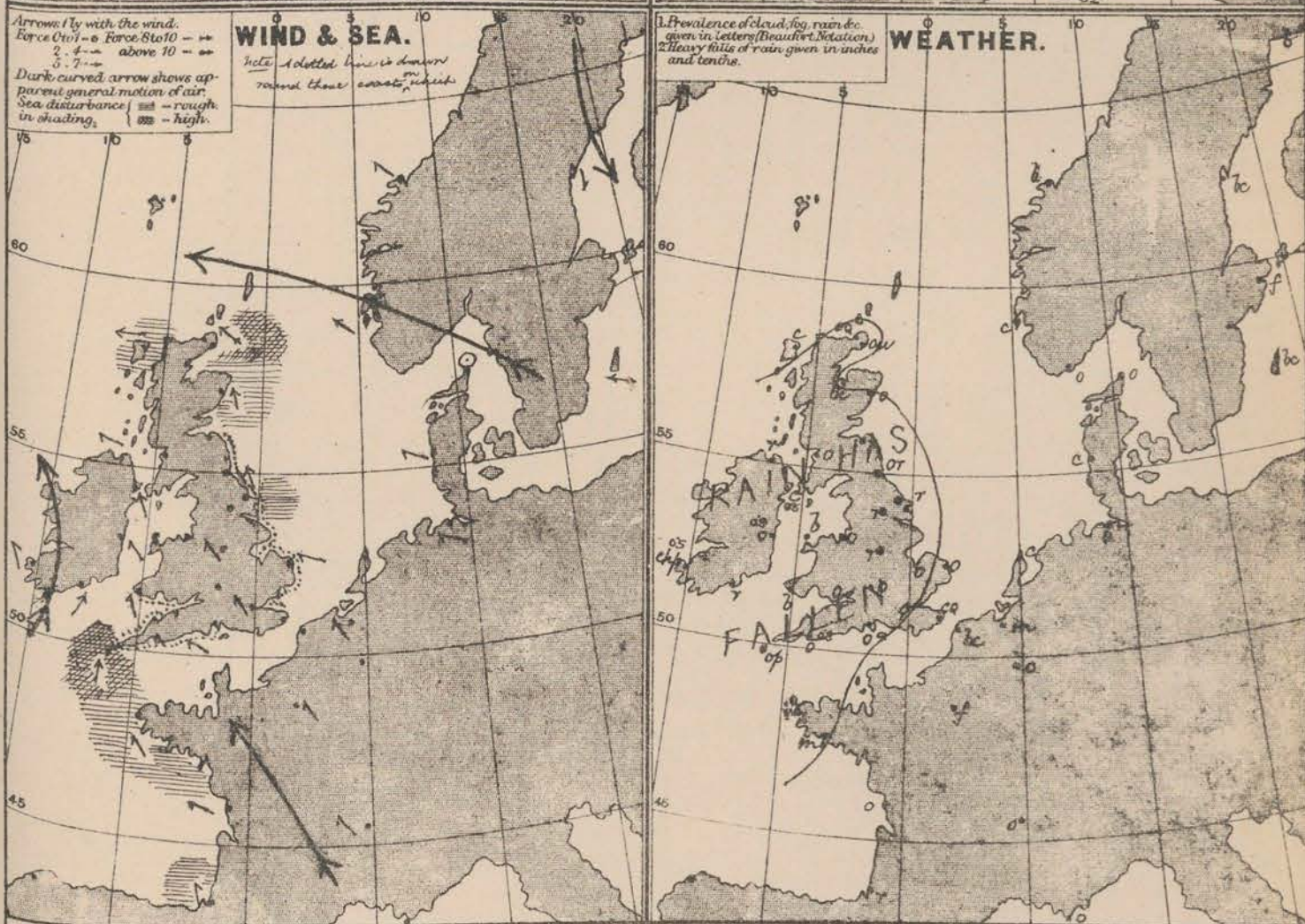
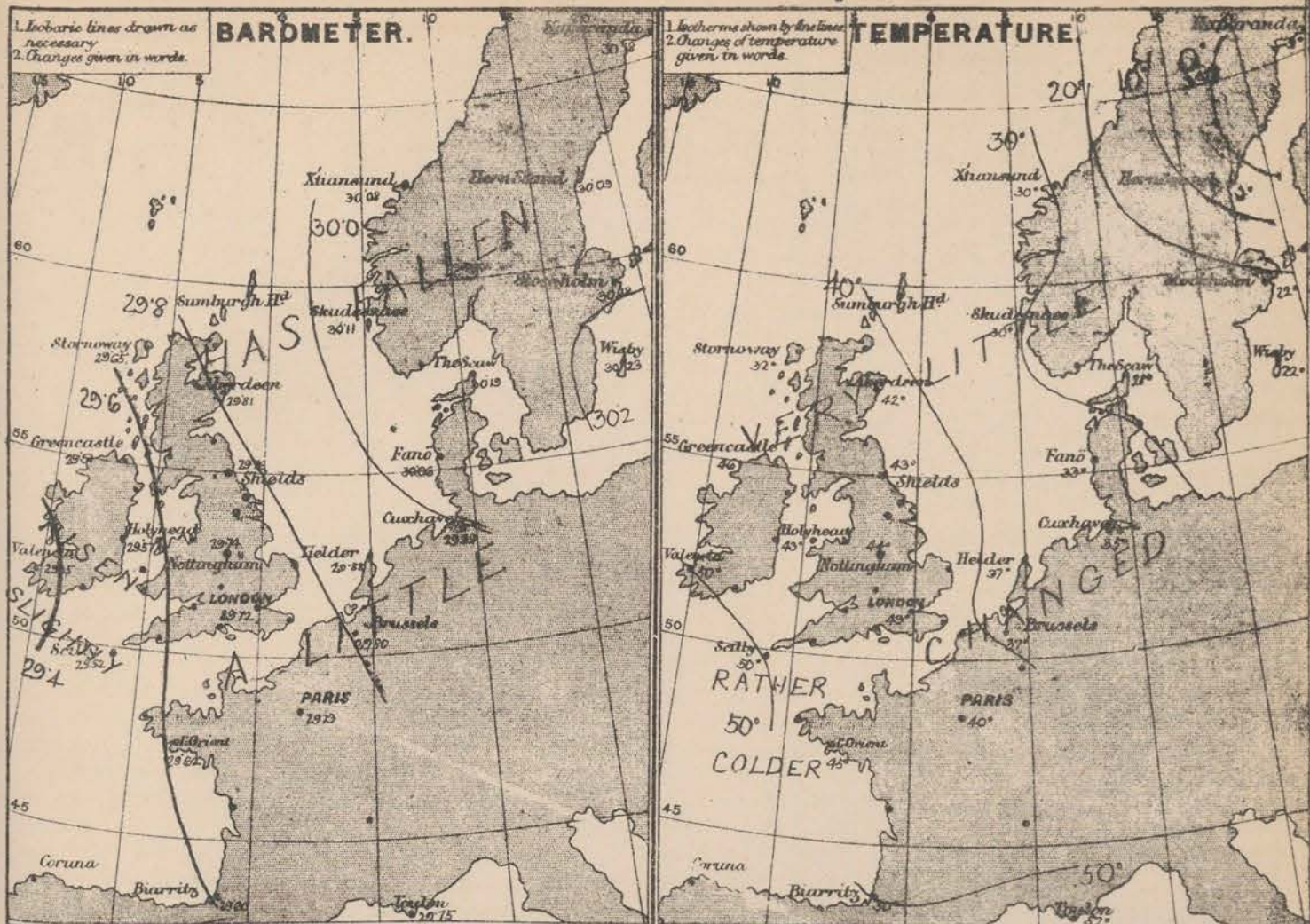
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 DEC^r 17th 1876



REMARKS Barometrical pressure over the south west of our Islands is still in a very unsettled condition, and in addition to the changes which are going on in that neighbourhood we have now to report that the barometer is falling slowly but steadily over Scandinavia, where for several days pressure has been greatest. The oscillations in the barometer which are at present going on in the south west are very slight but although the mercury has risen a little since yesterday morning it now falls again, and more bad weather is probably approaching. Notwithstanding the decrease which is in progress over Sweden and Norway the barometer is still highest in those regions and E. winds are consequently reported over the whole of the British Isles and North Sea. These, though still blowing a gale at Wick, have subsided considerably on our east coast and are now generally moderate in force. The weather is gloomy and damp at all stations and temperature, though it has fallen a little on our south west coasts, remains unchanged in most places. In the Gulf of Bothnia it is very low - the thermometer at Haparanda standing at minus 9° Fah°. The sea is very high at Trondheim, highest fully, moderate or slight elsewhere. Warnings have been issued either on Friday or yesterday to all but our south east coasts but the signals will be lowered in the west and north this morning.

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

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT DEC^r 18th 1876.

† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.	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	30.02	1	N	2	0	29.93	-25	9	8	+18	N	4	0	*	*	*	-	
Hernösand	30.10	14	NE	2	0	29.95	-14	21	21	+18	NE	2	S	*	*	*	0.08	
Stockholm	30.03	22	Z	0	0	29.92	-26	19	19	-3	N	2	0	*	*	*	-	
Wisby	30.09	22	SSE	4	6	29.93	-30	18	18	-4	SSE	4	6	0	*	*	-	
Christiansund																		
Skudesnaes	30.00	27	Z	0	6	29.82	-29	31	29	+1	ENE	1	0	3	?	27	-	
Oxö (Xtiansand)	30.06	21	NE	4	6	29.89	-23	22	21	0	NE	4	0	2	?	16	-	
Skagen (The Seaw.)	30.06	27	ENE	2	0	29.89	-30	25	22	-3	ENE	2	0	1	28	21	-	
Fanö	29.96	31	ENE	4	0	29.76	-30	31	29	-2	E	4	0	*	?	30	-	
Cuxhaven	29.92	*	*	*	*	29.69	-30	32	32	-3	SE	4	0	*	?	?	-	
Sumburgh Head																		
Stornoway	29.60	43	ESE	5	7	29.51	-14	42	41	-1	ESE	4	6	5	44	40	0.06	
Thurso	29.74	41	ESE	5	7	29.63	-18	40	38	-1	ESE	5	6	4	46	39	0.26	
Wick	29.73	42	SE	7	0	29.63	-20	40	39	-2	SE	7	0	8	43	38	0.15	
Nairn	29.69	39	ESE	11	7	29.56	-18	39	37	-3	ESE	2	0	1	42	39	0.01	
Aberdeen	29.74	41	SSE	5	0	29.57	-24	41	39	-1	SE	5	0	6	43	40	0.44	
Leith	29.65	42	SSE	3	0	29.49	-22	41	41	-2	SE	4	0	*	45	40	0.19	
Shields	29.69	43	SE	5	0	29.47	-29	43	41	0	E	6	0	6	44	42	0.33	
York	29.70	42	E	1	0	29.44	-32	42	41	0	E	2	7	*	44	40	0.21	
Scarborough	29.69	44	SE	5	0	29.44	-32	44	44	0	E	5	0	5	44	42	0.12	
Nottingham	29.64	43	SE	3	0	29.27	-37	41	41	-3	ENE	1	7	*	44	41	0.17	
Ardrossan	29.60	44	ENE	3	0	29.45	-24	42	40	0	E	3	7	3	45	42	0.05	
Greencastle	29.45	47	E	2	0	29.34	-17	43	41	-3	E	3	0	*	49	40	0.03	
Donaghadee	29.51	47	SE	5	0	29.34	-22	43	43	-4	ESE	6	7	5	48	43	0.39	
Kingstown	29.43	49	SE	5	7	29.27	-26	48	46	0	SE	3	0	3	50	47	0.12	
Holyhead	29.50	46	SE	2	7	29.29	-28	43	43	0	ENE	2	0	2	49	42	0.13	
Liverpool (Bidston)	29.58	43	ESE	3	0	29.34	-29	41	40	-3	E	3	0	3	44	40	0.15	
Valencia	29.29	49	SW	4	0	29.22	-13	46	45	-4	WNW	4	7	3	51	43	?	
Roche's Point	29.35	48	SSW	3	6	29.17	-26	45	44	-4	N	3	0	3	51	43	0.62	
Pembroke	29.46	50	SE	4	0	29.20	-34	48	47	-1	ESE	3	0	3	50	47	0.16	
Portishead	29.56	46	ESE	5	7	29.28	-34	44	44	-2	E	5	0	4	47	41	0.29	
Scilly	29.49	51	SW	4	0	29.26	-26	46	44	-4	WNW	6	0	6	55	44	0.36	
Plymouth	29.50	49	S	1	0	29.22	-36	45	45	-4	E	2	6	*	52	45	0.76	
Hurst Castle	29.56	48	E	2	0	29.27	-33	46	46	-2	SE	3	7	3	48	44	0.26	
Dover	29.65	42	ESE	3	0	29.36	-33	45	44	+1	SSW	3	0	3	46	41	0.02	
London	29.62	45	S	2	0	29.32	-30	42	42	-1	E	1	7	*	45	40	0.32	
Oxford	*	*	*	*	*	29.33	-37	40	40	-4	E	1	7	*	44	40	0.31	
Cambridge	29.64	42	SE	1	0	29.33	-40	42	42	-2	E	1	7	*	48	40	0.20	
Yarmouth	29.69	43	ESE	5	0	29.39	-39	44	43	0	ESE	5	7	5	45	42	0.02	
The Helder	*	*	*	*	*	29.53	-35	35	35	-2	E	2	0	*	*	*	-	
Cape Gris Nez	29.66	39	SE	2	7	29.36	-39	43	41	+2	SSE	1	0	2	46	34	-	
Brest	?	54	S	2	7	?	?	46	45	-2	WNW	4	6	5	54	43	0.16	
L'Orient	29.57	45	SE	2	7	29.41	-21	45	43	0	WN	4	0	5	52	41	0.35	
Rocheport	29.60	50	SSE	3	0	29.52	-13	50	48	+5	N	4	0	3	?	36	0.35	
Biarritz	29.61	55	SW	4	7	29.66	+06	50	48	0	SSW	3	6	5	55	45	0.39	
Corunna	*	*	*	*	*			*	*					*	*	*	*	
Brussels	*	*	*	*	*	29.44	-36	41	*	+4	SSE	1	0	*	*	*	*	
Charleville	*	*	*	*	*	29.46	?	41	*	0	ESE	3	0	*	*	*	*	
Paris	29.62	42	ESE	3	7	29.46	-27	42	*	+2	S	4	6	*	*	*	-	
Lyons	*	*	*	*	*	?	?	50	*	+2	SW	2	7	*	*	*	*	
Toulon	29.68	52	SE	3	7	29.61	-14	48	48	-4	E	4	7	4	54	44	0.24	

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

Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes	30.06	28	26	SSE	2	C	3	Valencia			
Thurso								Scilly			
Scarborough								London			
Greencastle						*		Rocheport	29.60	48	48
Holyhead											

EXPLANATION OF COLUMNS.

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

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

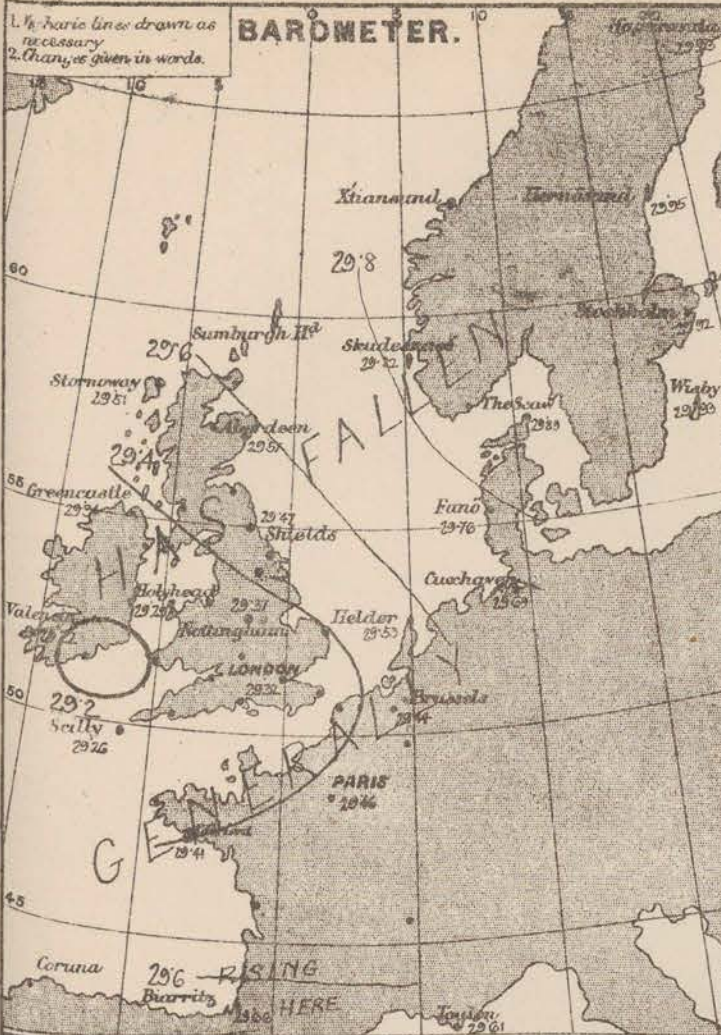
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m on Monday 18th Dec^r 1876

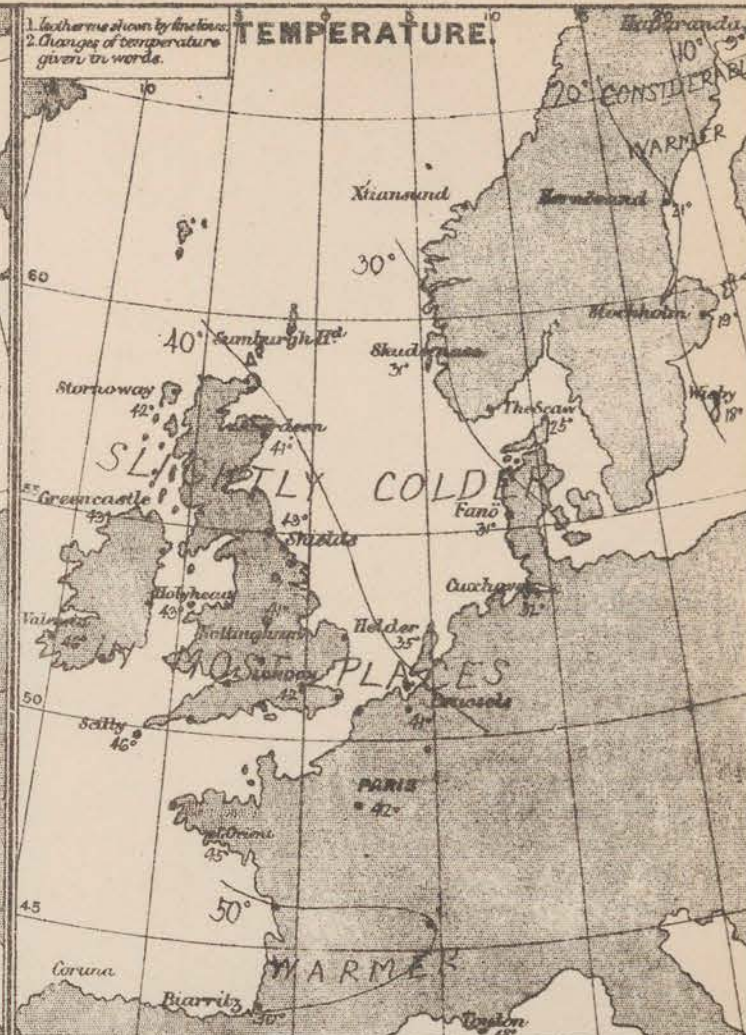
1. Isobaric lines drawn as necessary.
2. Changes of temperature given in words.

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 -- 2. 4 -- above 10 -- 3. 7 --
- Dark curved arrow shows apparent general motion of air.
- Sea disturbance: rough, in shading.

WIND & SEA.



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

WEATHER.



REMARKS During the past two days the barometer has fallen over the whole of Western Europe. On Sunday the changes were slight and uniform but during last night the decrease became much more brisk at our southernmost and southern stations than elsewhere, and this morning's chart shows that a small depression has advanced over the south of Ireland, while over southern England also some local irregularities apparently exist. The highest pressures are still found over Sweden but the barometer is now rising in the south-west of France so that while a fresh E. current prevails over the North Sea and the greater part of the United Kingdom. W. breezes are reported over the Bay of Biscay and at the Shilly Islands. At Valence and Rochefort N. winds are reported in the rear of the small depressions. Temperature has decreased in all places except over the Gulf of Biscay, where the thermometer has risen several degrees. Rain has fallen at all our stations and still continues over the south. The amount in the south-west being rather heavy. The sky is everywhere overcast, and the weather very dull. The sea runs high off the east of Scotland, and is rough in most of the exposed parts of the coast.

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

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

R. H. SCOTT.
Director.

Deansfield Inn, 22 Bedford St. Covent Garden

DAILY WEATHER REPORT

DEC^r 19th

1876.

STATIONS.	YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barom. at 3 p.m. Sea Level.	Temp. in shade.	WIND.			Reading at 3 p.m. and Sea Level.	SHADE TEMP.			WIND.			Force, (0 to 12).	Weather.	Sea, (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force, (0 to 12).	Weather.		Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).	Max.				Min.			
Haparanda ...	30.02	-8	N	2	f	30.23	+30	-13	-14	-22	N	2	f	*	*	*	-		
Hernösand ...	29.94	17	ESE	2	s	30.02	+01	12	11	-9	ESE	6	o	*	*	*	0.24		
Stockholm ...	29.80	19	?	?	o	29.74	-18	19	18	o	N	2	o	*	*	*	-		
Wisby ...	29.80	27	S	6	o	29.71	-22	26	26	+8	S	4	o	*	*	*	-		
Christiansund ...																			
Skudesnaes ...	29.69	27	ESE	6	f	29.55	-27	30	26	-1	ESE	6	o	4	?	27	-		
Oxö (Kristiansund) ...	29.72	23	NE	6	o	29.54	-35	26	25	+4	NE	7	s	4	?	18	-		
Skagen (The Scaw) ...	29.71	31	SE	3	o	29.60	-29	29	27	+4	ESE	5	o	4	?	?	-		
Faro ...	29.53	30	E	6	o	29.36	-40	30	28	-1	E	6	s	*	?	28	-		
Cuxhaven ...	29.49	*	*	*	*	29.28	-41	34	34	+2	SSE	4	om	*	?	?	-		
Semburgh Head																			
Stornoway ...	29.42	41	E	5	o	29.33	-18	38	35	-4	ESE	6	bc	6	43	36	-		
Thurso ...	29.34	37	?	?	r	29.40	-23	36	33	-4	ESE	2	sp	3	40	33	0.16		
Wick ...	29.55	39	E	7	o	29.40	-23	37	35	-3	E	4	bc	6	40	35	0.07		
Nairn ...	29.48	37	ESE	3	f	29.46	-40	35	33	-4	ESE	3	c	2	40	33	-		
Aberdeen ...	29.49	38	ESE	5	o	29.31	-26	38	36	-3	ESE	6	sp	7	42	36	0.09		
Leith ...	29.43	40	ESE	4	o	29.34	-25	38	38	-3	SE	4	o	*	43	37	0.22		
Shields ...	29.87	41	E	6	o	29.21	-26	40	38	-3	ESE	4	st	6	43	40	0.24		
York ...	29.30	41	ESE	1	o	29.15	-29	41	40	-1	ESE	1	o	*	42	39	0.18		
Scarborough ...	29.32	42	E	6	o	29.15	-29	42	40	-2	ESE	4	o	5	?	40	0.24		
Nottingham ...	29.34	42	N	o	r	29.14	-23	41	41	o	N	o	o	*	42	41	0.13		
Ardrossan ...	29.38	39	E	3	bc	29.22	-23	38	37	-4	ESE	3	o	2	45	38	0.01		
Greencastle ...	29.31	43	E	2	o	29.12	-22	41	40	-2	E	2	o	*	44	39	-		
Donaghadee ...	29.43	43	SE	5	o	29.14	-20	42	41	-1	ESE	5	o	4	44	41	0.07		
Kingstown ...	29.27	44	E	4	o	29.10	-19	45	43	-3	ESE	4	c	4	48	43	0.11		
Holyhead ...	29.26	42	ESE	3	m	29.13	-19	40	40	-3	ESE	3	cm	2	45	40	0.04		
Liverpool (Bidston) ...	29.27	41	ESE	1	o	29.14	-20	39	37	-2	N	o	m	1	42	39	0.04		
Valencia ...	29.29	44	NNH	1	bc	29.21	-31	45	43	-1	SE	2	7	3	52	41	0.31		
Roche's Point ...	29.29	46	NNE	3	o	29.22	-25	48	47	+3	SE	5	o	4	50	42	0.15		
Pembroke ...	29.26	44	NE	1	bc	29.07	-13	41	40	-7	E	2	bc	3	53	39	0.02		
Portishead ...	29.21	42	E	4	o	29.13	-15	40	40	-4	ESE	2	m	2	44	38	-		
Scilly ...	29.23	49	NN	6	o	29.05	-21	49	48	+3	SSE	6	o	5	49	44	0.10		
Plymouth ...	29.18	44	NNH	1	o	29.12	-10	39	39	-6	ESE	2	o	*	48	38	0.06		
Hurst Castle ...	29.19	48	SSE	2	o	29.16	-11	43	42	-3	N	o	om	0	49	39	0.22		
Dover ...	29.24	48	SSW	4	o	29.15	-21	42	41	-3	NNH	2	bc	2	49	41	0.17		
London ...	29.24	46	SE	1	om	29.17	-15	42	42	o	N	o	st	*	49	41	0.24		
Oxford ...	*	*	*	*	*	29.17	-16	40	39	o	N	o	o	*	43	39	0.04		
Cambridge ...	29.24	42	ESE	1	o	29.14	-19	39	37	-3	ESE	1	o	*	45	38	0.10		
Yarmouth ...	29.31	44	S	1	c	29.16	-23	41	40	-4	N	o	f	3	45	39	0.17		
The Helder ...	*	*	*	*	*	29.18	-25	41	41	+6	N	o	o	*	*	*	0.08		
Cape Gris Nez ...	29.28	45	SSE	2	o	29.18	-18	46	45	+3	NNH	2	bc	1	48	41	0.21		
Brest ...	?	48	NNH	4	bc	?	?	62	48	+6	SSW	3	o	4	?	43	0.32		
L'Orient ...	29.38	43	NN	4	r	29.27	-14	50	48	+5	SW	3	o	5	57	41	0.28		
Rochefort ...																			
Biarritz ...	29.63	55	SW	5	r	29.44	-42	48	43	-2	SSW	1	bc	6	57	45	0.10		
Corunna ...	*	*	*	*	*														
Brussels ...	*	*	*	*	*	29.24	-20	40	*	-1	SSW	3	o	*	*	*	*		
Charleville ...	*	*	*	*	*	29.26	-20	39	*	-2	S	3	o	*	*	*	*		
Paris ...	29.34	42	SSW	3	o	29.28	-18	39	*	-3	S	3	o	*	*	*	0.04		
Lyons ...	*	*	*	*	*	?	?	47	*	-3	SE	2	o	*	*	*	*		
Toulon ...																			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.73	29	28	S	4	o	4	Valencia	29.28	50	47	NNH	1	6	2
Thurso	29.58	39	38	ESE	4	o	3	Scilly	29.23	48	45	NNH	7	cy	6
Scarborough ...	29.36	42	42	E	6	r	5	London	29.25	48	46	SE	1	om	*
Greencastle ...	29.32	43	42	ESE	2	o	*	Rochefort ...	29.49	48	46	NNH	6	9	4
Holyhead	29.27	44	43	ESE	4	c	3								

The small depression which lay over Ireland this morning has apparently moved slightly E^{ly} and the barometer has risen a little at Valencia, while it has fallen elsewhere. The winds are unchanged.

EXPLANATION OF COLUMNS.

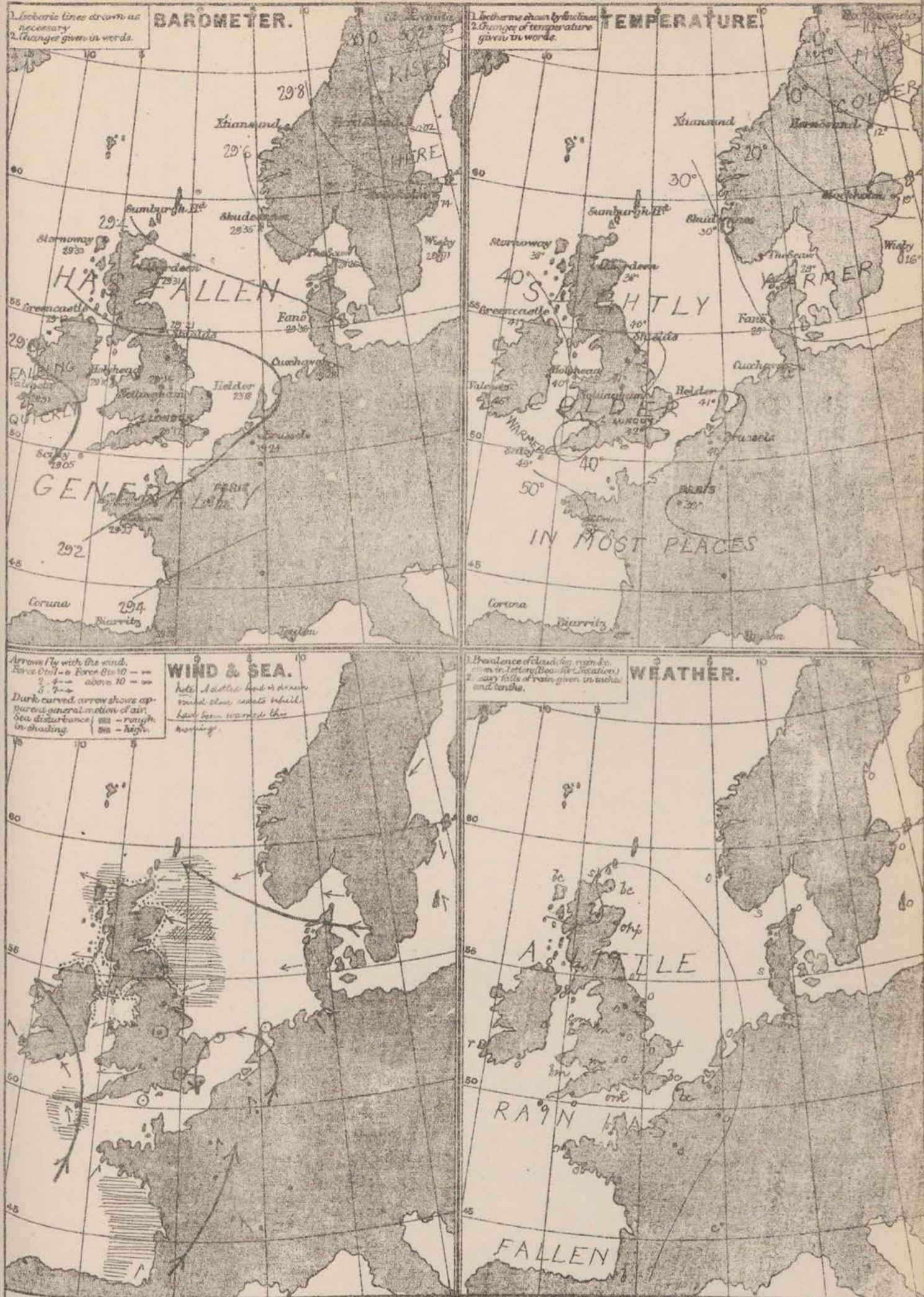
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; a. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Tues day DEC^r 19th 1876



REMARKS The small depression which lay over the St. George's Channel yesterday morning subsequently travelled across England and is now shown near Holland but the slight recovery which was reported in its rear yesterday afternoon did not extend beyond the south of Ireland where a brief fall of the barometer is now in progress as a fresh and deep disturbance advances towards those coasts. In Lapland the mercury has risen briskly during the night, and pressure is again high there. The wind has shifted to SSE at our south-western stations but elsewhere E¹ breezes are still reported. They are generally fresh in force except in the south and south-east of England. Temperature has fallen in most places but has risen at Jilly and Roches Pt. and in the Scandinavia. Over the Gulf of Bothnia the decrease amounts to several degrees and at Haparanda the thermometer is as low as -13° Fahr. The sky is overcast and rain is falling at Valonia, snow showers at Hueso and hail at Aberdeen. Slight rain has been general. The sea is rough in the east and north and at the Jilly Islands but slight on our other coasts. Warnings issued to our north-west, north and north-east coasts this morning.

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

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

R. H. SCOTT,
Director.

DAILY WEATHER REPORT

DEC 20TH

1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 4 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.	Midrange from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.		
Haparanda ...	30.12	1	N	4	f	30.06	-.17	-5	-6	+8	N	2	c	*	*	*	-	
Hernösand ...	30.28	0	NE	6	o	30.15	+.13	-6	-6	-18	NE	4	c	*	*	*	0.08	
Stockholm ...	29.89	11	ENE	7	o	29.98	+.34	4	3	-15	NE	6	o	*	*	*	0.08	
Wibby ...	29.76	23	SSE	6	o	29.87	+.16	13	13	-13	E	8	c	*	*	*	0.04	
Christiansund ...	29.69	27	ESE	3	f	29.81	+.19	19	17		E	5	c	3	29	16	-	
Skudesnaes ...	29.56	29	ENE	8	o	29.65	+.09	23	20	-7	ENE	8	o	4	?	?	-	
Oxö (Klansand)	29.57	28	NE	8	s	29.71	+.14	14	14	-12	NE	9	s	7	?	12	-	
Shagen (The Seaw)	29.64	25	E	8	o	29.76	+.12	15	12	-14	E	9	o	9	30	14	-	
Fanö ...	29.37	36	E	6	s	29.40	+.03	29	28	-1	E	5.8	o	*	30	28	-	
Cuxhaven ...	29.25	*	*	*	*	29.28	.00	32	33	-1	ESE	6	o	*	?	?	0.19	
Sumburgh Head																		
Stornoway	29.29	37	ENE	6	f	29.25	-.08	37	35	-1	E	7	rs	6	39	35	-	
Thurso ...	29.36	34	E	5	s	29.34	-.06	36	34	0	E	5	rs	4	37	34	0.06	
Wick ...	29.34	38	ESE	7	o	29.33	-.07	36	35	-1	E	10	rs	9	39	34	0.13	
Nairn ...	29.27	35	ESE	3	f	29.13	?	36	32	+1	ESE	7	o	5	36	34	-	
Aberdeen ...	29.24	38	E	7	o	29.15	-.09	39	38	+1	E	9	o	9	40	37	0.38	
Leith ...	29.14	40	E	5	f	28.97	-.17	42	41	+4	E	6	o	*	45	37	0.26	
Shields ...	29.09	42	ENE	3	o	28.98	-.01	42	40	+2	ENE	8	o	9	45	42	0.11	
York ...	29.07	42	ESE	1	o	28.78	-.29	43	42	+2	E	5	o	*	44	39	0.40	
Scarborough ...	29.05	43	ENE	2	o	28.82	-.23	42	42	0	E	10	o	*	45	36	0.30	
Nottingham ...	29.02	40	SE	3	o	28.74	-.28	42	42	+1	SSE	4	o	*	42	40	0.55	
Ardrossan ...	29.05	38	ENE	3	f	28.91	-.14	43	40	+5	NE	3	rs	2	43	38	-	
Greencastle ...	29.02	42	E	2	o	28.84	-.18	44	42	+3	NE	3	o	*	44	38	-	
Donaghadee ...	28.89	42	E	7	o	28.80	-.09	44	42	+2	ENE	8	o	6	44	41	0.04	
Kingstown ...	28.88	45	E	6	o	28.66	-.22	46	44	+1	E	6	o	5	46	44	0.14	
Holyhead ...	28.90	42	E	4	o	28.63	-.27	42	41	+2	ENE	5	o	5	43	40	0.20	
Liverpool (Bidston)	28.94	42	E	3	o	28.66	-.28	40	39	+1	ENE	4	o	9	42	39	0.26	
Valencia ...	28.72	42	N	2	f	28.70	-.02	44	41	-1	NE	6	o	5	46	41	0.45	
Roche's Point...	28.73	48	SE	7	f	28.55	-.18	45	43	-3	N	6	rs	?	?	?	-	
Pembroke ...	28.72	44	ESE	7	f	28.59	-.13	47	45	+6	SW	4	c	4	47	40	0.23	
Portishead ...	28.83	44	E	6	f	28.69	-.14	42	41	+2	SE	3	c	2	47	38	0.57	
Scilly ...	28.76	46	SW	6	o	28.62	-.14	47	45	-2	SW	7	o	7	53	43	0.43	
Plymouth ...	28.75	47	SE	5	o	28.67	-.08	46	43	+7	SW	4	o	*	50	39	0.49	
Hurst Castle ...	28.76	49	SSE	5	o	28.74	-.02	47	45	+4	W	5	o	5	50	40	0.41	
Dover ...	29.24	45	SW	4	o	28.82	-.42	47	46	+5	S	5	rs	5	37	41	0.46	
London ...	28.99	44	E	3	o	28.76	-.23	44	43	+2	S	2	o	*	48	41	0.32	
Oxford ...	*	*	*	*	*	28.74	-.02	43	42	+3	SE	1	f	*	46	40	0.21	
Cambridge ...	29.05	42	SE	1	o	28.77	-.28	43	42	+4	SE	1	o	*	47	39	0.04	
Yarmouth ...	29.09	42	SE	1	f	28.84	-.25	46	45	+6	SSE	4	o	*	47	39	0.44	
The Helder...	*	*	*	*	*	29.01	-.17	41	40	0	E	2	o	*	47	39	0.46	
Cape Gris Nez	29.06	41	ESE	2	o	28.83	-.23	46	45	0	S	6	o	5	48	41	0.04	
Brest ...																		
L'Orient ...	28.92	48	SW	5	f	28.94	-.02	45	43	-5	WSW	6	o	7	54	39	0.35	
Rochefort ...	29.15	52	SW	7	f	29.12	-.03	48	45	-4	WSW	6	o	6	55	41	0.75	
Biarritz ...	29.21	57	SW	7	f	29.26	-.05	46	43	-2	S	3	rs	6	59	43	0.74	
Corunna ...	*	*	*	*	*													
Brussels ...	*	*	*	*	*	28.99	-.25	?	*	?	S	3	o	*	*	*	0.04	
Charleville ...	*	*	*	*	*	29.03	-.23	45	*	+6	S	3	o	*	*	*	-	
Paris ...	29.13	46	S	3	f	29.03	-.10	44	*	+5	SW	4	o	*	*	*	0.20	
Lyons ...	*	*	*	*	*	?	?	56	*	+9	SW	7	o	*	*	*	-	
Toulon ...	29.46	50	W	4	f	29.26	-.20	52	52	+7	SW	5	o	6	54	43	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.54	24	25	ESE	6	0	4	Valencia	28.78	45	44	ENE	2	rs	2
Thurso	29.36	36	35	E	4	0	5	Scilly	28.78	51	48	SW	6	0	5
Scarborough ...	29.08	43	42	ENE	2	0	5	London	29.08	45	44	N	0	f	0
Greencastle ...	29.03	41	39	E	3	0	*	Rochefort ...	29.24	54	50	SW	3	r	6
Holyhead ...	28.99	43	41	E	4	0	3								

The barometer continues to decrease very quickly in the S.W. and to a less extent elsewhere. At Scilly the wind has veered to S.W. and at Pembroke has increased in force. but the sea has gone down generally.

EXPLANATION OF COLUMNS.

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

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

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

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

WEATHER CHARTS for 8 a.m on Wednesday DEC^r 20th 1876



REMARKS During the past night the disturbance which was advancing towards our south western coast has travelled on to the St George's Channel, and the barometer has fallen nearly half an inch over Western and southern England. In all other parts of our other parts of our Islands the change has been felt but in Scotland the decrease has been extremely slight while on the eastern shores of the North Sea the mercury has risen. In consequence gradients which were already rather steep have increased considerably, that from Shields to Newcastle being at present the wind has therefore also risen in force; it is strong from SW in the south, blows a violent gale from E on our north eastern and northern coast, and a moderate gale from NE in the north west, while in the south of Ireland strong N^W breezes are reported. Temperature has fallen several degrees in Norway and at the Læur, where sharp frost prevails but has risen slightly over these islands. Snow has been general, with snow in Sweden and the north of Scotland, and the weather is still very wet and unsettled. The sea is tremendous over the German Ocean and rough generally. Our north-east, north and north-west coasts were warned yesterday morning.

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

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R. H. SCOTT.
Director.

Dangerfield, Lith. 22 Bedford St Covent Garden

DAILY WEATHER REPORT Dec 21st 1876.

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.			
			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.	Amount of Rainfall.	
Haparanda ...	30.25	-11	E	2	b	30.45	+ .39	-24	-24	-19	N	2	b	*	*	*	-	
Hernösand ...	30.13	5	NNE	2	o	30.27	+ .12	7	7	+13	ENE	4	o	*	*	*	0.12	
Stockholm ...	29.97	7	NNE	2	o	30.00	+ .02	11	10	+7	E	4	o	*	*	*	0.04	
Wisby ...	29.91	11	ESE	4	o	29.89	+ .02	11	10	-2	E	8	o	*	*	*	0.12	
Christiansund ...																		
Skudesnaes ...																		
Oxö (Ktiansund)																		
Skagen (The Sound)	29.76	17	ESE	9	o	29.68	- .08	17	14	+2	E	9	o	9	18	14	-	
Fanö ...	29.30	28	E	8	o	29.27	- .03	27	27	-2	E	7	o	*	7	27	0.04	
Cuxhaven ...	29.21	*	*	*	*	29.18	- .10	24	23	-9	SE	4	o	*			-	
Sumburgh Head																		
Stornoway	29.31	36	ENE	9	o	29.38	+ .13	32	30	-5	ENE	6	bc	7	38	30	0.01	
Thurso ...	29.41	34	E	6	o	29.41	+ .07	30	29	-6	E	4	o	4	36	29	0.08	
Wick ...	29.41	34	ENE	10	o	29.39	+ .06	31	30	-5	E	9	o	9	36	28	0.08	
Nairn ...	29.28	34	ESE	7	o	29.32	+ .19	30	31	-6	ESE	8	bc	6	35	29	0.02	
Aberdeen ...	29.24	38	E	10	r	29.22	+ .07	32	32	-7	ENE	11	o	9	40	32	0.42	
Leith ...	29.02	36	E	8	r	29.04	+ .07	35	35	-7	E	8	r	*	44	33	0.74	
Shields ...	28.86	42	ESE	8	o	28.85	- .05	44	43	+2	ENE	6	bc	8	45	40	0.56	
York ...	28.79	43	ENE	1	o	28.72	- .06	42	41	-1	NE	1	o	*	46	36	0.37	
Scarborough ...	28.82	43	SSW	1	f	28.75	- .07	43	43	+1	ENE	8	r	6	45	29	0.69	
Nottingham ...	28.80	41	SE	1	bc	28.69	- .05	41	41	-1	NNW	1	r	*	44	38	0.08	
Ardrossan ...	28.92	39	ENE	8	o	28.98	+ .07	35	33	-8	NE	8	bc	4	44	33	0.05	
Greencastle ...	28.85	39	NE	5	r	29.04	+ .20	36	33	-8	NNE	5	o	*	46	33	0.30	
Donaghadee ...	28.75	43	E	9	bc	28.72	- .03	38	38	-6	E	9	r	7	45	33	0.02	
Kingstown ...	28.67	45	NNW	4	o	28.87	+ .21	43	41	-3	N	6	o	5	48	41	0.16	
Holyhead ...	28.67	43	SW	1	o	28.80	+ .17	43	41	+1	NNW	2	o	2	45	39	0.42	
Liverpool (Bilston)	28.72	40	ESE	2	bc	28.77	+ .11	39	38	-1	N	2	o	1	42	37	0.23	
Valencia ...	28.79	45	NE	4	o	28.93	+ .23	42	40	-2	NNE	4	o	4	46	40	0.07	
Roche's Point...	28.73	44	NE	4	bc	28.84	+ .29	41	39	-4	NNE	4	o	4	48	40	0.11	
Pembroke ...	28.66	44	NE	1	bc	28.81	+ .22	40	39	-7	SE	1	bc	3	49	39	-	
Portishead ...	28.65	41	E	5	bc	28.80	+ .11	41	40	-1	N	3	bc	3	49	38	0.31	
Scilly ...	28.64	45	SE	3	o	28.83	+ .21	45	45	-2	N	5	o	6	47	42	0.04	
Plymouth ...	28.62	42	N	0	o	28.87	+ .14	32	32	-14	NN	1	bc	*	49	32	0.14	
Hurst Castle ...	28.55	46	SSE	7	bc	28.80	+ .06	43	42	-4	NN	4	bc	4	49	41	0.42	
Dover ...	28.54	47	SW	5	bc	28.87	- .01	47	45	-2	SSW	6	bc	5	49	43	0.57	
London ...	28.79	45	SSE	2	cm	28.78	+ .02	40	39	-4	SSW	3	bc	*	49	40	0.52	
Oxford ...	*	*	*	*	*	28.77	+ .03	40	39	-3	WSW	3	o	*	45	39	0.13	
Cambridge ...	28.71	42	SSE	1	o	28.72	- .05	41	39	-2	S	2	o	*	45	38	0.17	
Yarmouth ...	28.87	42	SSW	2	bc	28.78	- .06	43	41	-3	SSW	4	r	4	46	40	0.25	
The Helder ...	*	*	*	*	*	28.98	- .03	40	39	-1	SSE	2	o	*	*	*	0.20	
Cape Gris Nez	28.87	45	S	5	o	28.87	+ .04	45	43	-2	SSW	8	r	6	48	41	0.10	
Brest ...																		
L'Orient ...																		
Rochefort ...	29.15	50	N	6	bc	29.10	- .02	43	41	-5	SSE	5	o	5	57	43	0.55	
Biarritz ...	29.20	55	WSW	4	bc	29.08	- .18	43	41	-3	ESE	2	o	8	39	41	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*										*	*	*	
Charleville ...	*	*	*	*	*	29.12	+ .09	37	35	-8	SSE	3	o	*	*	*	*	
Paris ...	29.05	44	S	5	o	29.07	+ .04	36	35	-8	S	3	bc	*	*	*	-	
Lycos ...	*	*	*	*	*	?	?	44	42	-12	N	2	f	*	*	*	*	
Toulon ...	29.35	50	SW	5	o	29.15	- .21	43	41	-9	E	6	r	6	55	?	0.05	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.72	18	15	ENE	8	b	4	Valencia	28.79	45	43	NE	5	o	4
Thurso	29.38	34	32	E	6	spg	5	Scilly	28.61	46	45	SSW	5	o	7
Scarborough ...	28.79	45	45	SSE	2	o	5	London	28.81	46	44	SSE	2	o	*
Greencastle ...	28.80	44	42	NE	3	o	*	Rochefort ...	29.13	46	45	N	8	r	7
Holyhead ...	28.64	42	42	E	3	r	3								

The disturbance still lies over our SW stations, and the barometer is changing very little. The winds has become lighter except in the N, and the gale at Scarborough has died down, but at Rochefort a fresh N. gale is blowing. The weather is overcast with snow showers at Thurs.

EXPLANATION OF COLUMNS.

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

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

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

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

WEATHER CHARTS for 8 a.m on Thursday DEC^r 21st 1876



REMARKS During the past twenty four hours a recovery of pressure has occurred over the greater part of these islands, as well as over Norway and Sweden but during the night a small cyclonic area has continued over Central England, while a second but apparently shallow disturbance lies off our south west coast. These changes have still further increased the gradient over the North Sea, which are excessively steep. In consequence the violent E. gale which was reported yesterday both from Scotland and Denmark still holds though the gradient over England the force of the wind has moderated somewhat. On our western coasts fresh N. breezes are reported and fresh S.W. winds in the south east but also our south west in the north east of England the force of the wind has moderated somewhat. On our western coasts fresh N. breezes are reported and fresh S.W. winds in the south east but also our south west stations, owing to a fall of the barometer over France and the Bay of Biscay pressure is more uniform and the wind light. Temperature has fallen generally. It is very low at Copenhagen and is below the freezing point over Scotland; while at Plymouth's also it has fallen to 32° and hard frost is reported. The weather, though cloudy, seems inclined to improve in many places but on our north east coasts rain, and in Scotland snow, is falling. The sea is still tremendously high in the German Ocean and rough generally.

NOTE The signals are striking up in the north, east, north and north west and our south east coast were warned last evening. The Daily Weather Report for Sunday Dec. 24th will be issued on the Wednesday, and that for Christmas Day (Dec. 25th) on the Thursday following.

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

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R. H. SCOTT.
Director.

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DAILY WEATHER REPORT DECth 22nd 1876.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*	*	*		
Skudesnaes ...																		
Oxö (Xtiansand)																		
Skagen (The Seaw)	29.74	18	E	9	S	29.78	+ .10	16	14	- 1	E	9	S	8	18	14	0.44	
Fanö ...	29.42	24	E	8	C	29.56	+ .29	21	19	- 6	E	7	C	*	27	19	-	
Cuxhaven ...	29.24	*	*	*	*	29.44	+ .26	24	23	0	SE	4	0	*	?	?	-	
Sumburgh Head																		
Stornoway	29.33	33	ENE	4	C	29.12	- .26	36	36	+ 4	ENE	8	S	7	36	30	0.01	
Thurso ...																		
Wick ...																		
Nairn ...	29.25	32	E	6	C	28.99	- .33	34	33	+ 4	E	8	0	5	34	30	0.22	
Aberdeen ...	29.18	35	ENE	10	S	28.97	- .25	40	38	+ 8	ESE	11	N	9	40	32	0.85	
Leith ...	29.02	37	E	8	T	28.89	- .15	37	37	+ 2	SSW	1	0	*	43	35	0.62	
Shields ...	28.78	43	E	6	0	29.02	+ .17	40	39	- 4	%	0	sm	6	44	40	0.76	
York ...	28.75	41	SE	1	T	29.02	+ .30	40	38	- 2	SW	3	0	*	44	38	0.08	
Scarborough ...	28.80	42	SSE	2	0	29.02	+ .27	40	39	- 3	SSE	2	0	4	44	39	0.12	
Nottingham ...	28.83	39	SSW	2	0	29.08	+ .39	37	36	- 4	WSW	2	C	*	44	37	0.09	
Ardrossan ...	29.04	36	ENE	7	C	28.91	- .07	38	36	+ 3	N	3	C	2	38	35	0.02	
Greencastle ...	29.08	35	NNE	2	0	28.96	- .08	35	34	- 1	NN	2	0	*	36	31	0.28	
Donaghadee ...	28.98	40	NNE	8	C	28.98	?	32	32	- 6	N	3	C	3	41	32	0.07	
Kingstown ...	28.96	43	N	6	0	29.10	+ .23	36	34	- 7	N	4	C	4	45	34	0.27	
Holyhead ...	28.86	43	N	6	0	29.04	+ .24	39	36	- 4	N	5	C	4	46	38	0.04	
Liverpool (Bidston)	28.80	40	NN	3	C	29.03	+ .26	39	35	0	N	4	C	3	42	38	0.04	
Valencia ...	29.15	41	NNE	3	C	29.27	+ .24	36	35	- 6	NNN	2	C	3	43	34	0.03	
Roebe's Point...	28.99	38	NNE	6	0	29.24	+ .40	36	34	- 5	NNN	4	C	2	44	35	-	
Pembroke ...	28.90	43	NNN	3	0	29.13	+ .32	41	38	+ 1	NNN	5	C	3	46	39	0.08	
Portishend ...	28.83	40	N	1	C	29.13	+ .33	39	38	- 2	N	2	sm	2	45	36	-	
Scilly ...	28.94	45	NNE	4	C	29.25	+ .42	45	41	0	NNN	6	C	6	48	43	0.02	
Plymouth ...	28.91	41	N	1	0	29.19	+ .38	39	38	+ 7	NN	1	T	*	48	32	0.04	
Hurst Castle ...	28.89	44	%	0	C	29.12	+ .32	40	39	- 3	NN	2	beu	2	45	36	-	
Dover ...	28.82	46	SW	4	0	29.10	+ .29	43	42	- 4	%	0	C	0	48	40	0.74	
London ...	28.90	42	WSW	1	sm	29.10	+ .32	33	33	- 7	%	0	C	*	45	32	-	
Oxford ...	*	*	*	*	*	29.12	+ .35	35	34	- 5	SW	1	0	*	44	34	-	
Cambridge ...	28.86	42	SW	1	0	29.11	+ .39	35	34	- 6	SSW	1	f	*	45	30	0.10	
Yarmouth ...	28.88	40	SW	2	C	29.08	+ .30	35	35	- 8	WSW	2	sm	3	44	34	0.04	
The Helder ...	*	*	*	*	*	29.22	+ .24	33	32	- 7	ESE	4	0	*	*	*	-	
Cape Gris Nez	28.94	45	SSW	5	0	29.12	+ .25	41	41	- 4	S	4	T	3	38	41	0.47	
Brest ...	?	30	NNN	3	0	?	?	46	40	- 2	NNN	4	0	5	32	43	0.12	
L'Orient ...	29.04	46	NN	3	C	29.30	+ .35	45	43	- 1	NN	5	C	5	32	41	0.20	
Rochefort ...	29.10	48	SW	4	P	29.28	+ .18	45	46	+ 5	N	3	0	3	39	37	0.63	
Biarritz ...	29.25	52	WSW	7	P	29.39	+ .31	46	45	+ 3	SW	7	T	7	34	41	0.83	
Cannes ...	*	*	*	*	*			*	*					*	*	*	*	
Brignas ...	*	*	*	*	*	29.19		38	*		SSE	3	0	*	*	*	*	
Charleville ...	*	*	*	*	*	29.21	+ .09	33	*	- 4	SE	3	C	*	*	*	*	
Paris ...	29.06	40	S	3	C	29.21	+ .44	39	*	+ 3	SSE	3	sm	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	39	*	- 5	E	2	0	*	*	*	*	
Toulon ...	29.12	45	WSW	5	0	29.26	+ .21	39	37	- 4	NNN	4	C	6	50	?	0.08	

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

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	28.58	19	16	ENE	8	0	4	Valencia	29.08	40	37	NE	4	0	4
Thurso	29.38	36	29	E	4	95.0	4	Scilly	28.89	47	45	NN	6	C	6
Scarborough ...	28.78	42	41	SE	4	0	5	London	28.84	45	43	WSW	2	C	*
Greencastle ...	29.06	34	33	NNE	4	0	*	Rochefort ...	29.09	50	48	SW	5	C	2
Holyhead	28.84	45	43	NNE	4	C	4								

Very little change has occurred in the distribution of pressure, but the barometer is rising slowly generally. Snow still falls in the N of Ireland.

EXPLANATION OF COLUMNS

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

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

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

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

WEATHER CHARTS for 8 a.m on Friday DEC^r 22nd 1876

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

BAROMETER.



1. Thermometer shown by numbers
2. Changes of temperature given in words.

TEMPERATURE.



Arrows fly with the wind.
Force 0 to 5 Force 6 to 10 --
3 4 -- above 10 --
Dark curved arrow shows apparent general motion of air.
Sea disturbance (---) rough in shading (---) high.

WIND & SEA.

Note: A dotted line is drawn round those coasts on which the prevailing wind still remains boisterous.



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

WEATHER.



REMARKS The area of lowest readings has travelled N^W from Central England and now lies over the Firth of Forth. The barometer is consequently falling briskly in the north of Scotland but in all other parts of Western Europe it is rising, the increase being greatest in the south and south west of England. Gradients are slight in the south, and the W. to NW winds which prevail over Ireland, England and France are light in force but over the northern portion of the German Ocean and the north of Scotland hard E^g gales still prevail. Temperature has fallen several degrees except over Scotland and the west of France. A sharp frost prevails in Denmark, and the south east of England the thermometer is down to 33° and at London to 30° F. Snow is falling at Stornoway and the raw, and the weather is generally cloudy. At Biarritz a thunderstorm is reported. The sea is still exceedingly high off the north east of Scotland and the Firth of Forth but is moderate elsewhere.

Orders to keep up the warnings were sent yesterday to our north, north east and north west coasts, and to hoist to our west and south west coasts. Cones lowered in the west, south west and north east this morning.

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

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

R. H. SCOTT.
Director.

Dangerfield, Lith. 22, Bedford St. Covent Garden.

DAILY WEATHER REPORT Dec 23rd 1876.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.								PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer.		SHADE TEMP.			WIND.		Weather.	Sec. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force, (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.	
Haparanda																	
Hernösand																	
Stockholm																	
Wisby																	
Christiania																	
Skudesnaes																	
Oxö (Klönö)	29.55	14	NNE	9	S	29.58	+ .13	12	12	- 2	NE	9	S	7	7	9	
Skagen (The Sæw)																	
Fanö																	
Cuxhaven	29.50	*	*	*	*	29.58	+ .14	20	20	- 4	SE	6	e	*	7	7	
Sumburgh Head																	
Sterkøway	29.00	40	ESE	5	0	29.18	+ .16	39	37	+ 3	ESE	4	be	4	40	35	0.08
Thurso	29.20	35	ESE	5	7	29.38	+ .17	34	33	+ 2	ESE	7	syf	6	34	27	0.80
Wick	29.24	37	SE	11	P	29.39	+ .20	36	36	+ 2	SE	11	r	9	37	32	0.20
Nairn	29.10	33	E	1	6	29.22	+ .23	31	30	- 3	E	3	e	3	37	29	0.26
Aberdeen	29.44	39	SE	11	P	29.38	+ .31	36	35	- 4	ESE	10	e	9	40	35	0.59
Leith	29.10	35	SSW	3	be	29.23	+ .34	40	29	- 7	SE	1	e	*	42	29	-
Shields	29.14	39	WSW	1	e	29.29	+ .27	32	31	- 8	SW	2	of	6	40	31	-
York	29.17	37	W	1	e	29.34	+ .32	38	30	- 10	SE	1	e	*	41	29	-
Scarborough	29.16	37	WSW	2	be	29.34	+ .22	38	31	- 8	SW	1	e	0	40	31	-
Nottingham	29.22	33	W	0	e	29.31	+ .23	27	27	- 10	WSW	1	e	*	43	26	-
Ardrrossan	29.06	39	SE	4	e	29.16	+ .34	36	35	- 2	ESE	5	rs	5	41	33	0.34
Greenacastle	29.45	35	WSW	2	0	29.00	+ .04	40	38	+ 5	WSW	5	*	*	40	31	0.13
Donaghadee	29.07	33	WSW	4	0	29.14	+ .16	34	33	+ 2	WSW	3	be	2	36	32	0.01
Kingstown	29.16	37	W	3	e	29.25	+ .15	36	34	0	WSW	2	e	2	40	35	-
Holyhead	29.14	39	WSW	4	e	29.25	+ .21	39	37	0	WSW	2	e	1	40	37	-
Liverpool (Bidston)	29.16	35	SSW	0	be	29.29	+ .26	33	31	- 6	S	2	e	2	38	30	0.04
Valencia	29.25	38	NNW	2	be	29.38	+ .11	41	38	+ 5	NNW	4	dp	4	45	34	0.05
Roche's Point	29.27	37	NNW	3	e	29.34	+ .10	36	34	0	NN	3	e	2	40	34	-
Pembroke	29.22	41	NNW	4	e	29.32	+ .19	34	33	- 3	NE	1	be	1	43	33	0.04
Portishead	29.24	37	W	3	e	29.33	+ .20	33	32	- 6	W	0	on	1	42	30	0.02
Scilly	29.17	44	S	1	0	29.33	+ .08	44	40	- 1	NN	6	0	4	45	41	-
Plymouth	29.24	37	W	0	be	29.31	+ .12	36	35	- 3	NNW	1	0	*	44	32	-
Hurst Castle	29.28	41	NN	2	e	29.28	+ .16	37	36	- 3	NE	5	0	3	40	34	0.07
Dover	29.28	39	NNW	1	e	29.35	+ .25	42	40	- 1	ESE	3	be	2	44	38	0.07
London	29.27	38	NNW	1	bm	29.34	+ .24	34	33	+ 1	E	2	0	*	43	26	-
Oxford						29.34	+ .22	32	30	- 3	W	0	0	*	39	29	0.03
Cambridge	29.23	35	SW	1	0	29.38	+ .27	30	30	- 4	SW	1	0	*	44	27	0.04
Yarmouth	29.22	37	WSW	2	e	29.37	+ .29	31	31	- 4	WSW	1	be	*	34	34	0.20
The Helidar						29.44	+ .22	30	30	- 3	E	1	0	*	*	*	0.24
Cape Gris Nez	29.26	45	W	14	be	29.32	+ .31	37	36	- 4	ESE	2	e	1	46	36	0.16
Brest	?	42	S	3	7	?	?	43	34	- 3	NNE	5	0	5	48	37	0.55
L'Orient	29.26	45	S	2	e	29.18	- .12	43	43	- 2	N	4	0	5	38	41	0.43
Rochefort	29.47	50	NN	3	0	29.23	- .05	48	45	0	WSW	7	e	7	52	37	0.07
Biarritz	29.60	32	S	4	be	29.42	+ .03	46	41	0	SW	4	e	5	54	41	0.55
Corunna																	
Brussels						29.43	+ .24	34		- 4	SW	1	e	*	*	*	*
Charlevilla						29.38	+ .17	37		+ 4	S	3	0	*	*	*	*
Paris	29.34	41	S	1	e	29.44	+ .13	39		0	SE	3	e	*	*	*	0.04
Lyons						?	?			+ 3	SE	2	e	*	*	*	*
Toulon	29.48	45	NN	5	0	29.54	+ .18	43	39	+ 4	N	3	e	5	40	39	-

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

	Bar.	Dry.	Wet.	Wind.	Wm.	Sea.		Bar.	Dry.	Wet.	Wind.	Wm.	Sea.	
Skudesnaes ...	29.72	18	15	e	8	be	Valencia	29.24	43	39	SW	1	be	3
Thurso							Scilly	29.30	45	40	W	3	e	5
Scarborough ...	29.12	39	37	WSW	2	e	London	29.20	41	38	W	2	com	*
Greenacastle ...	28.96	37	36	WSW	2	0	Rochefort ...	29.41	50	46	N	4	e	3
Holyhead ...	29.10	40	37	WSW	4	e								

The barometer has begun falling again at Valencia since noon, and the wind here (though light) has returned to the S.W. with a considerable rise of temperature.

EXPLANATION OF COLUMNS.

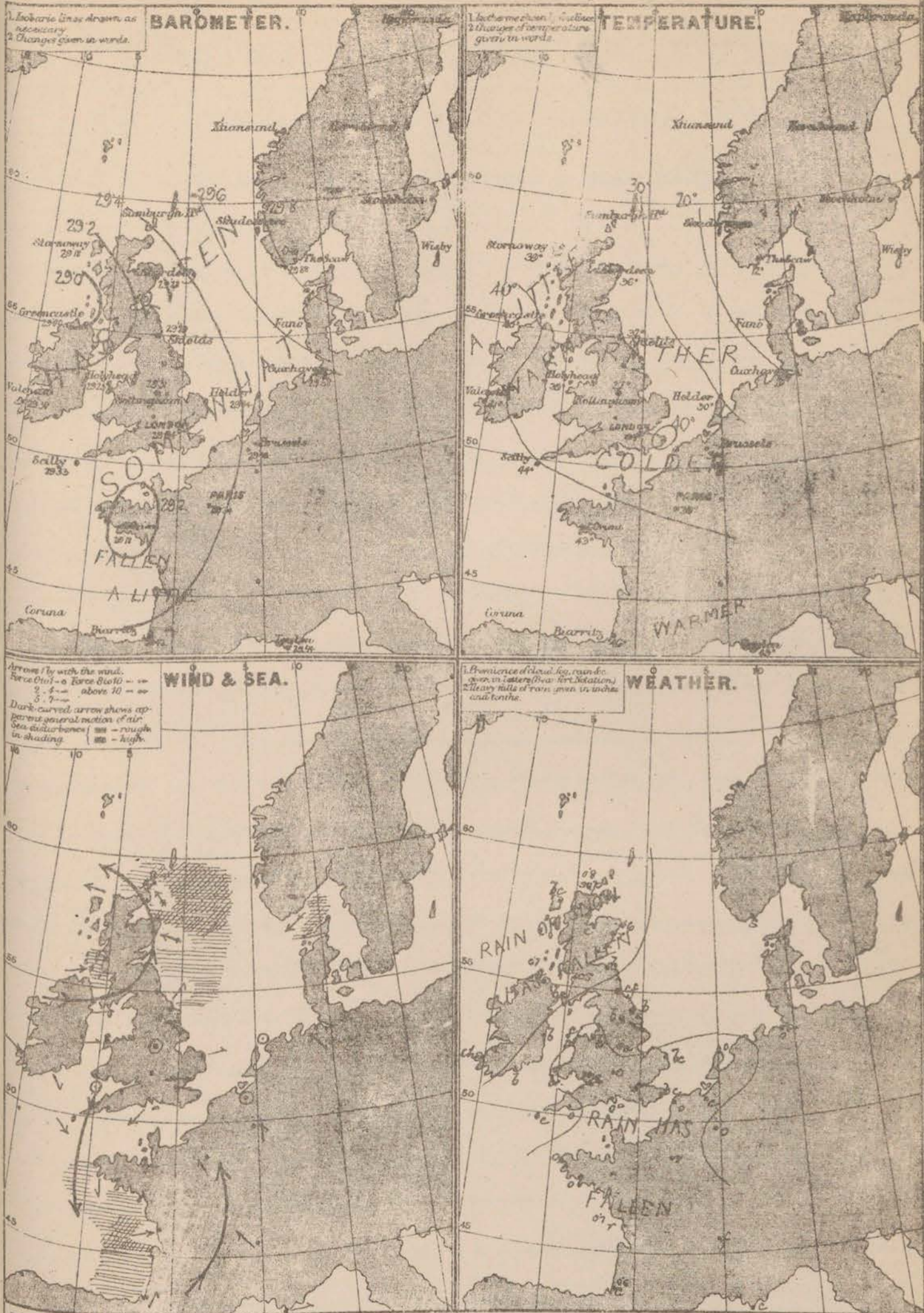
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 23rd DEC^r 1876



REMARKS Since yesterday the disturbance has moved slowly WNWrd and the lowest readings are now reported from the north of Ireland. The barometer is consequently rising at all our stations but over France a small shallow depression is shown which has caused a slight decrease of pressure over that country, and is beginning to affect the barometer and weather in the south of England. Gradients continue slight in the north; and light breezes from NW in the west from W in the south; and from SW in the east are reported but in the east of Scotland the violent gales which have been blowing since Wednesday still hold with unabated force which has moved to SE. Temperature has fallen except in the west. The change over Central England amounts to several degrees and the thermometer stands at 27° at Nottingham. The sky though clear at a few places is generally cloudy, and in the north is overcast. Rain and snow are falling in Scotland and hail at Valentia. The sea is still tremendously high in the north east but is generally slight elsewhere. The freezing signals are still up in the east of Scotland. The Scandinavian reports have not yet arrived.

SUMMARY OF WEATHER IN WESTERN EUROPE

from DECEMBER 17th to DECEMBER 23rd 1876.

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

During this period the general distribution of pressure has undergone very little change and the character of the weather has been the same for the whole time. The highest pressures have been reported from Scandinavia, while a series of depressions has advanced on our S.W. coasts, from the Atlantic. At first gradients were comparatively slight, and the S.E. to E. winds only fresh or strong, but as repeated depressions relieved readings over our S.W. stations, while the barometer in the N. remained steady or rose, gradients increased so that violent gales with a tremendously high sea were experienced all along our East coast for some days, and in Scotland from Tuesday till the close of the week. Temperature has fallen gradually, and on Friday a slight frost prevailed over Central England, while in the Gulf of Bothnia, and on the Eastern shores of the North Sea the weather was very cold. Heavy snow, and rain have fallen, and the weather though not very windy in the S. has been very wet and unsettled.

DEC 17th The barometer was falling over the whole of W. Europe but the changes had been generally slight and, as at the close of the week pressure remained highest over Scandinavia, and lowest off our South ^{In consequence S.E. breezes prevailed on all coasts,} west coast, and though blowing a gale at thick, and a fresh breeze at many of the more N.W. stations they were generally moderate in force. Temperature had fallen somewhat in the Southwest, but was very little changed elsewhere. In Sweden it was low, the thermometer at Haparanda standing at minus 9° F. The sky was cloudy and the weather wet and unsettled. In the evening the barometer was still falling everywhere and the winds remained unchanged.

DEC 18th The barometer still fell everywhere but the decrease had now become much more brisk at our S.W. stations than elsewhere, and a well defined depression was shown over Ireland, while over S.W. England some local disturbance apparently existed. Easterly breezes, (blowing freely in some places and still with the force of a gale at thick,) prevailed over the North Sea; and the greater part of these Islands, but N.W. winds were reported from the S. of Ireland, and W. winds from Scilly and the Bay of Biscay. Temperature had decreased in all places, except at the Swedish stations, where it had risen several degrees. Rain had been general, and rather heavy, the weather continued dull. During the day the depression moved Eastward, and the barometer recovered somewhat in the N., while in the Gulf of Bothnia also a rise had set in.

DEC 19th The depression now lay near Holland, but the recovery which had commenced in it had not lasted, a fresh and brisk decrease having set in, in the SW during the night, so that the barometer was falling in all parts of our Islands and their neighbourhood. In the N. of Sweden, however a brisk rise was in progress and gradients were becoming steep in the N. Strong E & S winds prevailed over the North Sea and over our stations strong S & W winds in the SW, moderate S & W breezes over the Bay of Biscay, and calms over S.E. England. Later reports showed a further fall of the mercury over these Islands, and a rise over Scandinavia, so that gradients increased, and the E & S wind freshened to a slight gale over Scotland.

DEC 20th During the night the depression which had caused the fall of the barometer over these Islands, had advanced over the St George Channel and the decrease of pressure in the South had amounted to nearly half an inch. Over Scandinavia however the barometer had risen, and gradient had become very steep in the North. In consequence the E & S wind which prevailed over our stations and the North Sea had increased to a hard gale with heavy rain, while the S & W winds experienced over the Channel and France were strong and also brought rain. Temperature had risen slightly generally, but over the Gulf of Bothnia it had fallen fast to minus 5° F. The sky was overcast, and snow had commenced in Scotland. By 6 P.M. the centre of the depression lay over Hampshire, and a violent E & S gale was blowing in the N.

DEC 21st The centre of lowest pressure was at Nottingham, and the barometer was falling slightly at our N.E. stations, and on the E. shores of the North Sea, but over the remainder of these Islands as well as in Sweden it was rising slowly. The E & S gale continued with unabated force in the N. but a brisk fall having occurred over the Bay of Biscay, the S & W winds in the S. were inclined to fall light. Temperature had fallen generally, it was very low over Sweden, and the cold wave apparently extending S. Snow was falling in Scotland, and Norway, and the weather was very unsettled. Later in the day the depression travelled N. and strong N. & S breezes prevailed over the Irish Sea.

DEC 22nd The area of lowest pressure lay over the Firth of Forth, and the barometer had risen briskly over our S. stations, and to a less extent over France, Denmark, and Norway; the gale had consequently entirely died down over the North of England, and light N. & S breezes prevailed generally, but from Aberdeen N. & S and over Norway the gale held steadily. Temperature had continued to fall in most places, but over Scotland, and at some of the French stations it had risen. Rain had fallen in the S. and snow in the N. and the weather continued very unsettled. Later in the day the depression travelled to the N. of Ireland, and the wind veered to S.E. in Scotland with ^{only} however, abating much.

DEC 23rd The area of lowest pressure was still apparently travelling away N.W. and the barometer was rising over the whole of these Islands and the coast to the E. of the North Sea, but during the night a decrease had set in over France and a shallow depression lay over Normandy. A strong S. breeze was reported from the coast, but at other S.W. stations the winds were lighter, and varied a good deal in direction. In the N.E. of Scotland the S.E. gale was still blowing. Temperature had risen in the N.W. but fallen elsewhere; over Central England a slight frost was reported. Rain and snow were falling in the N. in N.E. the weather was overcast. The depression over France advanced N. to the Channel, during the day, and heavy rain and snow set in at our S.W. stations.

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

DAILY WEATHER REPORT DEC 24th 1876.

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 ...	30.06	-22	N	0	f	30.02	-24	-25		N	0	b	*	*	*	-	
Hernösand ...	30.18	-5	N	2	b	30.14	-29	-29		N	2	b	*	*	*	-	
Stockholm ...	30.10	2	N	4	b	30.12	7	7		N	0	b	*	*	*	-	
Wisby ...	30.04	12	E	6	o	30.12	10	9		SE	4	ca	*	*	*	-	
Christiansund ...	29.87	18	SE	3	c	29.84	27	25	+ 11	S	2	ca	3	7	7	-	
Skudesnaes ...	29.95	16	E	4	b	?	?	19	16	+ 2	?	6	b	4	?	?	-
Oxö (Xtiansand)	29.96	13	NE	9	o	30.03	+ 15	15	14	+ 13	NE	8	o	4	?	9	-
Skagen (The Seaw)	30.01	15	ESE	6	c	30.09	+ 18	17	15	+ 6	ESE	6	ca	4	18	14	-
Fanö ...	29.82	21	E	7	o	29.92	+ 23	19	19	- 2	E	6	ca	*	21	17	-
Cuxhaven ...	29.66	*	*	*	*	29.80	+ 22	12	10	- 8	ESE	7	o	*	?	?	-
Sumburgh Head																	
Stornoway	29.27	10	ESE	8	c	29.56	+ 38	39	38	0	E	5	c	6	40	36	0.01
Thurso ...	29.46	35	ESE	6	o	29.69	+ 31	36	34	+ 2	SE	4	o	3	37	33	0.08
Wick ...	29.46	37	SE	9	o	29.69	+ 30	37	35	+ 1	SE	8	s	8	38	33	0.23
Nairn ...	29.37	32	N	0	b	29.61	+ 39	34	33	+ 3	N	0	b	2	34	31	-
Aberdeen ...	29.38	38	SE	9	ca	29.66	+ 38	36	33	0	ESE	7	o	8	40	34	1.12
Leith ...	29.36	35	SE	2	c	29.57	+ 34	35	34	+ 5	SSE	3	o	*	38	28	-
Shields ...	29.42	36	NW	2	o	29.58	+ 29	37	35	+ 5	ESE	6	o	7	37	32	0.36
York ...	29.43	34	S	1	o	29.58	+ 24	36	33	+ 4	E	1	o	*	36	29	0.31
Scarborough ...	29.44	37	SW	?	b	29.57	+ 23	38	36	+ 6	ESE	4	o	4	38	22	0.22
Nottingham ...	29.46	32	SSE	1	o	29.53	+ 22	32	32	+ 5	NNE	2	o	*	32	27	0.24
Ardrossan ...	29.33	38	ESE	14	c	29.57	+ 36	32	30	- 4	NE	3	c	2	43	31	0.15
Greencastle ...	29.19	35	S	2	b	29.24	+ 34	36	35	- 1	SE	2	o	*	42	32	0.08
Donaghadee ...	29.51	32	SW	2	b	29.46	+ 32	36	36	+ 2	SSE	2	o	2	38	30	0.09
Kingstown ...	29.36	37	SW	2	o	29.44	+ 16	36	34	0	SSE	3	ca	2	41	35	-
Holyhead ...	29.33	38	SW	1	c	29.44	+ 19	35	35	- 4	SSE	2	ca	1	42	34	0.11
Liverpool (Bidston)	29.39	32	SSE	2	b	29.57	+ 22	31	30	- 2	SE	2	b	2	38	29	-
Valencia ...	29.36	39	N	2	ca	29.46	+ 08	46	42	+ 5	NW	3	c	3	47	36	0.28
Roche's Point...	29.37	41	NW	3	b	29.46	+ 12	38	37	+ 2	NW	2	ca	2	42	35	0.05
Pembroke ...	29.39	39	NW	3	c	29.44	+ 12	37	36	+ 3	ESE	3	c	3	43	33	0.12
Portishead ...	29.42	?	?	?	b	?	?	32	32	- 1	ESE	2	m	1	39	25	0.04
Seilly ...	29.45	43	NW	7	o	29.45	+ 12	43	42	- 1	NW	2	o	6	46	40	0.28
Plymouth ...	29.44	35	N	0	b	29.47	+ 16	33	33	- 3	N	0	b	*	42	30	0.11
Hurst Castle ...	29.37	35	N	4	o	29.48	+ 20	34	34	- 3	N	2	o	2	36	30	0.31
Dover ...	29.33	41	ESE	4	o	29.41	+ 36	43	42	+ 1	ESE	3	o	2	43	40	0.38
London ...	29.37	35	ENE	2	gls	29.44	+ 10	34	33	0	SW	1	log	*	40	32	1.24
Oxford ...	*	*	*	*	*	29.49	+ 15	34	34	+ 2	N	1	o	*	35	32	0.07
Cambridge ...	29.41	35	N	1	r	29.48	+ 10	37	37	+ 7	NE	1	o	*	38	29	0.24
Yarmouth ...	29.46	41	ESE	5	c	29.49	+ 12	39	38	+ 8	E	5	o	4	42	30	0.02
The Helder ...	*	*	*	*	*	29.61	+ 17	22	21	- 8	ENE	3	o	*	*	*	-
Cape Gris Nez	29.33	37	ESE	3	P	29.41	+ 08	39	39	+ 2	ESE	2	o	2	39	34	0.24
Brest ...	?	43	NW	4	b	?	?	46	41	+ 3	N	4	ca	4	48	37	0.12
L'Orient ...	29.34	41	NW	5	b	29.40	+ 12	43	39	0	NW	4	c	5	41	39	0.04
Rochefort ...	29.49	48	NW	7	c	29.65	+ 12	45	43	- 3	SW	4	o	3	55	41	0.59
Biarritz ...	29.63	50	NW	6	P	29.76	+ 34	46	43	0	SW	7	P	7	52	41	0.24
Corunna ...	*	*	*	*	*	?	?	?	?	?	SE	?	P	*	*	*	0.02
Brussels ...	*	*	*	*	*	?	?	?	?	?	SE	?	o	*	*	*	*
Charleville ...	*	*	*	*	*	?	?	37	*	0	SE	?	o	*	*	*	*
Paris ...	29.32	46	SE	2	o	29.54	+ 20	36	*	- 3	SW	2	ca	*	*	*	0.32
Lyons ...	*	*	*	*	*	?	?	35	*	- 7	NW	2	c	*	*	*	*
Toulon ...	29.42	43	N	2	c	29.61	+ 07	37	32	- 6	NW	6	b	7	46	41	0.24

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	
Skudesnaes ...							Valencia ...	29.35	43	39	N	3	2	3
Thurso							Scilly	29.43	45	41	NW	6	a	5
Scarborough ...	29.40	35	33	SW	2	e	London	29.35	40	38	ESE	2	gd-m	"
Greencastle ...	29.13	40	38	S	2	e	Rocheport ...	29.25	48	46	NW	5	o	5
Holyhead	29.30	40	38	SW	2	e								

A slight decrease of pressure is reported from Valencia but elsewhere the barometer is rising. The winds show little change.

EXPLANATION OF COLUMNS.

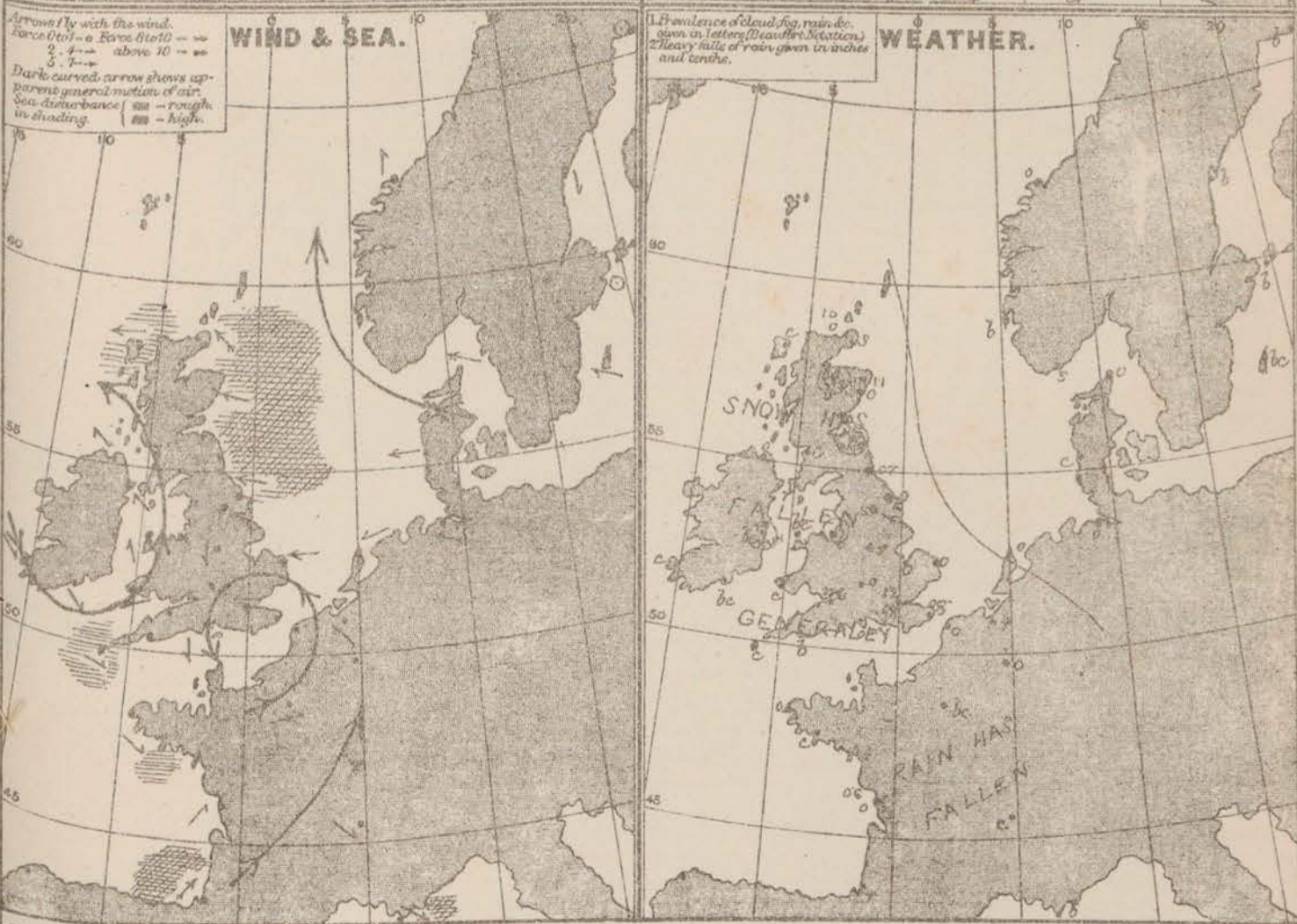
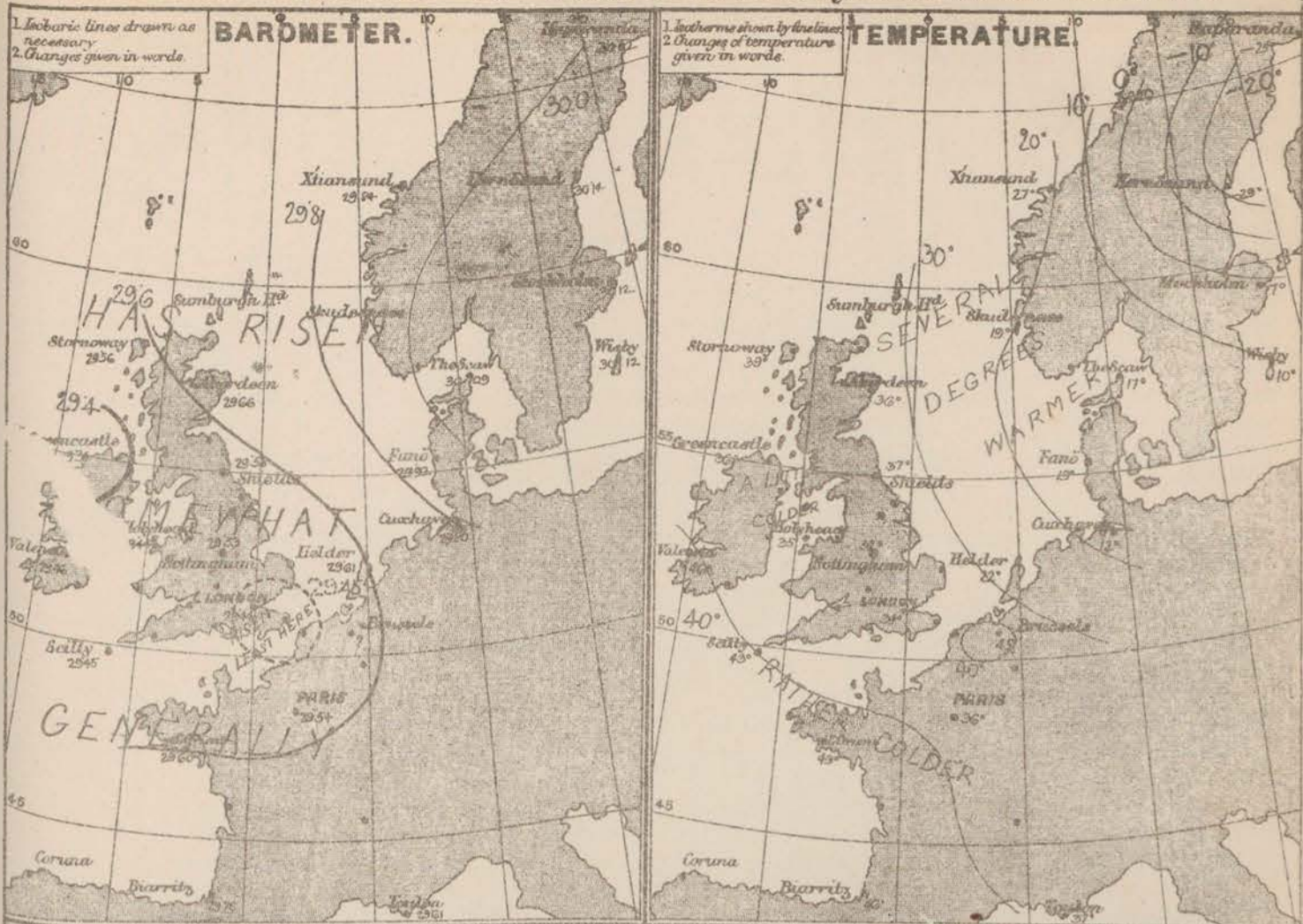
WEATHER.—Beaufort scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m on Sunday 24TH DEC^R 1876



REMARKS Since yesterday morning a rise of the barometer has occurred at all our stations. The depression which has for the last few days been travelling over our Islands is now found in a position a little to the S^W of that occupied by it yesterday, whilst the small shallow depression which then lay over France has moved N^W and has its centre over Kent and the Straits of Dover at the same time that it is becoming "filled up". The severe gales which have for so long a time prevailed on our northern coasts have at length greatly subsided, though the E^W wind still blows strongly in the east of Scotland, and the sea is yet very high off that coast. In the west of our Islands the wind circulates round the disturbance, which is lying over the west of Ireland, and we therefore find that NW^W breezes are blowing in the north-west coasts, whilst S^W and SE^W winds prevail in the north-east. At our south-eastern stations, however, another circulation of air is shown round the central depression. At Paris the wind is N^W, at Marseilles it turns into SE, at Dover to ESE, and at Hurst Castle to N; all these breezes are of moderate strength. As the depression advanced over us from France extremely heavy snow and cold rain fell at our southern stations, and in the north of Scotland also a considerable quantity of snow has fallen accompanied at Aberdeen by thunder and lightning. Temperature has changed irregularly. The sky is now overcast generally but the sea is moderate except in the north-east.

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

R. H. SCOTT,
Director.

Dangerfield, Lith. 22, Bedford St Covent Garden

DAILY WEATHER REPORT DEC^r 25th 1876.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.99	-22	N	0	b	29.97	-05	-7	-4	+17	N	0	b	*	*	*	-		
Hernösand ...	30.14	-30	N	2	b	30.15	+01	-30	-30	-1	N	2	b	*	*	*	-		
Stockholm ...	30.14	+8	N	0	b	30.15	+03	6	6	-1	SW	2	o	*	*	*	-		
Wisby ...	30.22	11	E	4	b	30.23	+11	16	13	+6	SE	4	o	*	*	*	-		
Christiansund ...																			
Skudesnaes ...	30.15	19	E	1	b	30.02	?	18	17	-1	ENE	1	o	8	?	?	-		
Oxö (Ålansand) ...	30.15	18	NNE	6	c	30.19	+16	14	14	-1	NNW	4	c	2	18	10	-		
Skagen (The Seaw) ...	30.19	19	SE	8	c	30.23	+14	20	18	+3	N	0	o	0	23	14	-		
Fanö ...	30.06	21	E	6	c	30.024	+22	20	19	+1	SE	5	o	*	21	18	-		
Cuxhaven ...	29.88	*	*	*	*	30.02	+22	11	9	-1	ESE	6	b	*	11	?	-		
Sumburgh Head ...																			
Stornoway ...	29.82	34	NN	4	b	30.00	+44	33	31	-6	E	3	b	4	39	31	-		
Thurso ...	29.89	33	ESE	2	c	30.06	+37	33	32	-3	ESE	2	o	3	36	32	0.11		
Wick ...	29.90	35	S	6	b	30.05	+39	34	33	-3	S	3	c	4	38	31	0.10		
Nairn ...	29.83	34	N	1	b	29.99	+38	28	28	-6	N	0	b	1	35	28	-		
Aberdeen ...	29.84	33	ESE	7	s	30.03	+37	34	33	-2	ESE	5	s	6	34	32	0.25		
Leith ...	29.74	35	ESE	4	P	29.99	+42	34	33	-1	SE	4	o	*	37	32	0.09		
Shields ...	29.71	38	ESE	6	o	29.96	+38	35	32	-2	E	6	c	5	40	35	0.12		
York ...	29.69	36	ENE	1	P	29.92	+34	35	33	+1	NE	1	o	*	37	32	0.07		
Scarborough ...	29.70	38	E	5	o	29.92	+35	36	34	-2	E	6	o	5	38	35	0.09		
Nottingham ...	29.64	35	NNE	4	s	29.86	+33	35	33	+3	ENE	4	s	*	35	32	0.14		
Ardrossan ...	29.72	35	NE	3	b	30.00	+49	32	30	0	NE	2	b	1	37	32	-		
Greencastle ...	29.58	36	E	3	o	29.91	+37	37	35	+1	E	3	o	*	40	35	0.03		
Donaghadee ...	29.63	40	E	5	P	29.93	+47	38	36	+2	E	5	b	4	41	34	0.21		
Kingstown ...	29.53	40	SE	5	P	29.86	+45	42	39	+6	ENE	5	c	5	42	35	0.27		
Holyhead ...	29.56	36	SSE	3	b	29.85	+41	38	37	+3	ENE	3	o	2	39	34	-		
Liverpool (Bidston) ...	29.62	36	E	3	o	29.87	+36	35	33	+4	ENE	2	o	2	36	31	-		
Valencia ...	29.61	46	?	4	b	29.84	+38	36	34	-10	E	1	b	?	49	?	0.08		
Roche's Point ...	29.42	39	NN	4	b	29.80	+34	36	34	-2	NNE	2	b	3	44	34	0.08		
Pembroke ...	?	37	E	3	c	29.78	+34	37	34	0	NE	3	o	1	42	33	0.02		
Portishead ...	29.57	35	E	2	m	29.71	?	36	35	+4	ENE	5	o	4	38	30	-		
Scilly ...	29.524	47	N	6	s	29.71	+26	43	42	0	ENE	6	c	6	48	42	0.04		
Plymouth ...	29.55	37	N	1	b	29.71	+34	34	34	+1	NN	1	b		42	32	0.22		
Hurst Castle ...	29.57	34	N	1	o	29.66	+18	36	36	+2	N	2	o	1	36	29	0.01		
Dover ...	29.42	38	NNN	2	b	29.67	+26	42	40	-1	E	3	b	2	42	36	-		
London ...	29.54	38	E	1	o	29.69	+25	38	37	+4	E	3	o	*	38	34	0.06		
Oxford ...	*	*	*	*	*	29.74	+25	34	34	0	NE	1	o	*	35	34	0.03		
Cambridge ...	29.52	37	E	1	P	29.76	+28	35	35	-2	NE	2	o	*	40	34	0.04		
Yarmouth ...	29.57	37	E	7	P	29.76	+27	35	34	-4	E	7	g	5	40	34	0.43		
The Helder ...	*	*	*	*	*	29.87	+26	17	16	-5	ENE	6	o	*	*	*	?		
Cape Gris Nez ...	29.49	39	S	1	b	29.65	+27	37	37	-2	ESE	1	o	0	43	37	-		
Brest ...	?	48	NNN	3	b	?	?	46	41	0	NNN	3	b	4	50	37	0.28		
L'Orient ...	29.65	46	NN	5	b	29.70	+10	45	41	+2	NN	5	a	5	50	39	0.08		
Rochefort ...	29.73	48	N	4	P	29.72	+07	46	45	+1	NNN	4	o	3	54	36	0.01		
Biarritz ...	29.86	50	NNE	7	b	29.86	+10	45	43	-1	SW	6	+	5	50	37	0.01		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.73	?	32	*	?	SE	3	o	*	*	*	0.16		
Charleville ...	*	*	*	*	*	?	?	37	*	0	ESE	3	o	*	*	*	-		
Paris ...	29.62	40	SSW	2	o	29.67	+13	45	39	+9	SSE	2	f	*	*	*	-		
Lyons ...	*	*	*	*	*	?	?	41	*	+6	SE	2	s	*	*	*	-		
Toulon ...	29.69	41	NN	6	b	29.80	+19	39	36	+2	NN	5	b	5	43	36	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...							Valencia						
Thurso							Scilly						
Scarborough ...							London						*
Greencastle ...						*	Rochefort ...	29.70	30	45	11 N	4	3
Holyhead													

EXPLANATION OF COLUMNS.

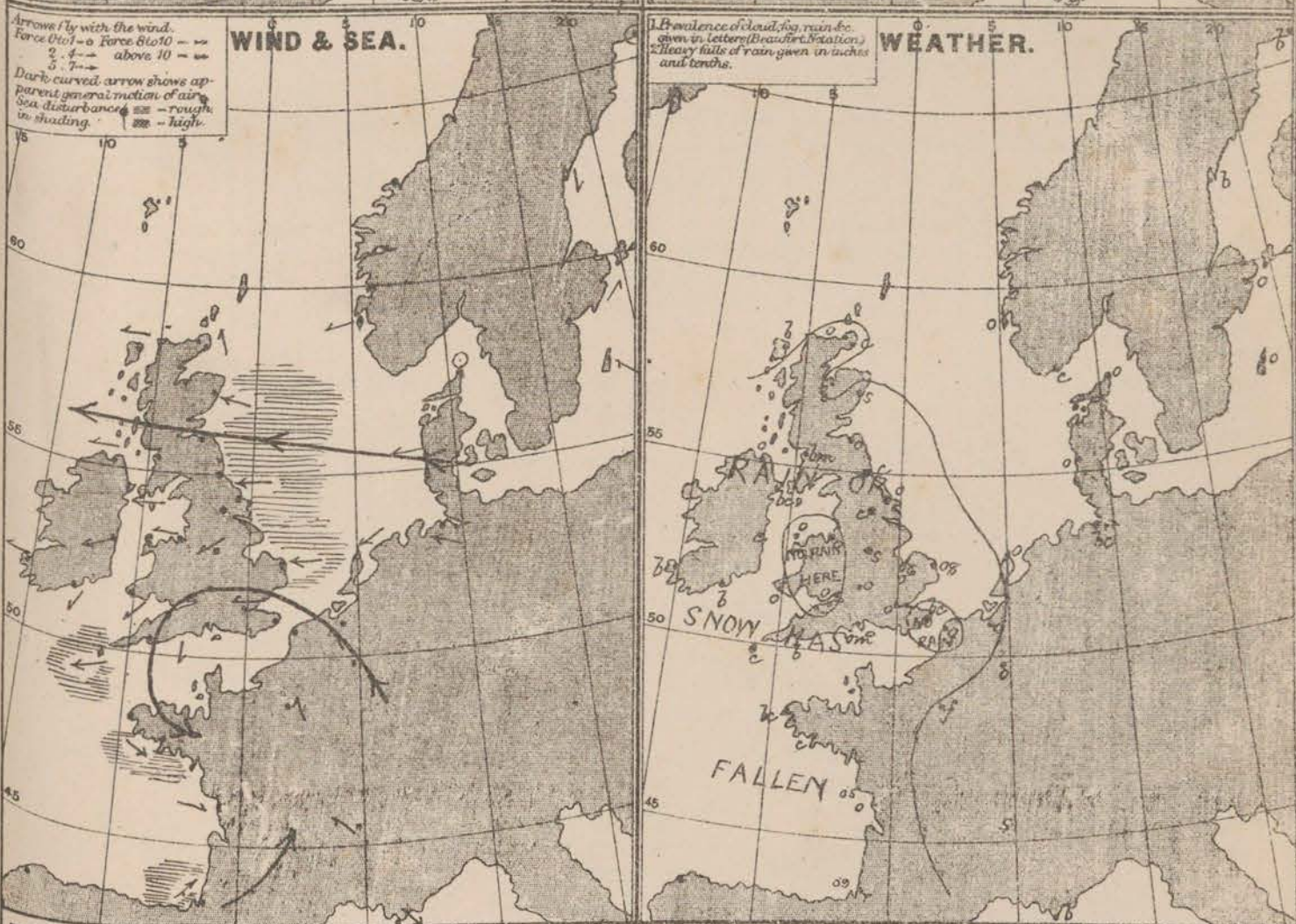
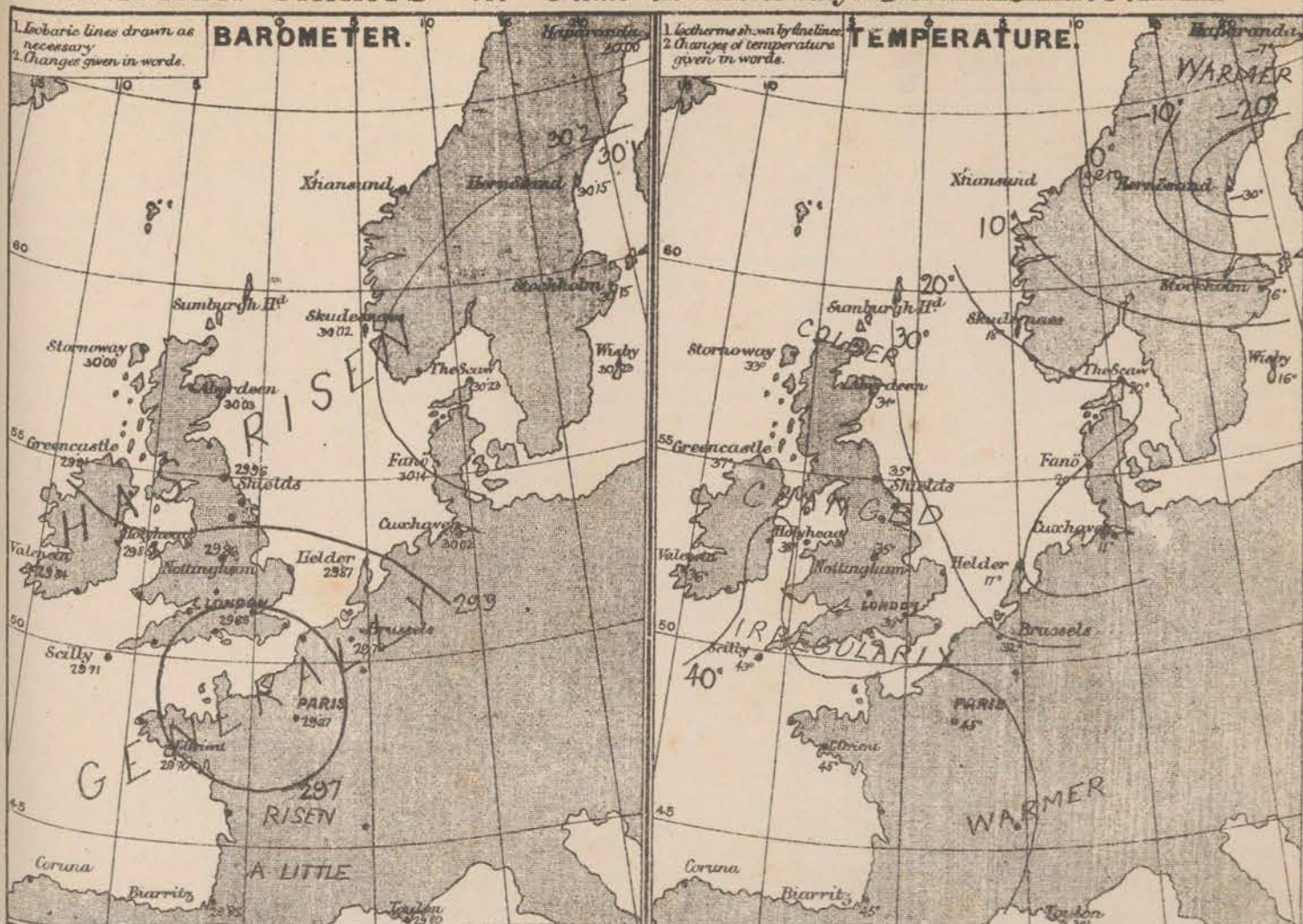
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m on Mon-day DEC^R 25TH 1876*



REMARKS The depression which we reported to be lying over the west of Ireland yesterday has now passed off to the Wnd, whilst that which was affecting the weather at our south eastern stations has become partially filled up. Under these circumstances the barometer has risen in all places, most in the north west, and readings have become more uniform than they have been for some time past. The gale in the north has at length entirely subsided and the wind, though E^{ly} in almost all parts of our Islands is generally moderate in force. At the western French stations, however, it blows into W and NW. These districts being under the influence of the southern side of the shallow depression which lies over the Channel and north of France, while to the E^{ly} of the distance i.e. over Belgium and eastern France light SE^{ly} breezes are reported. Temperature has not changed much anywhere and the weather remains exceedingly cold over the Gulf of Bothnia a reading of 30° below zero Fahr^t being registered at Hernösand this morning. Slight showers of snow, hail or cold rain fell in most places yesterday, and lightning was seen at some stations. The sky is now clear at some of the Irish and Scotch ports but very cloudy elsewhere. The sea is rough on our east coast and at the entrance to the Channel, moderate or slight elsewhere.

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

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

R. H. SCOTT.
Director.

Dangerfield 14th, 22, Bedford St Covent G, 4

DAILY WEATHER REPORT

DEC 26th 1876.

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 ...	30.08	-19	N	0	m	29.98	00	-2	-3	+5	NE	2	0	*	*	*	-		
Hernösand ...	30.19	-22	N	0	f	30.17	+02	?	-2	?	NNE	2	0	*	*	*	-		
Stockholm ...	30.16	10	N	2	0	30.22	+07	2	1	-4	N	0	0	*	*	*	-		
Wisby ...	30.26	20	NN	4	0	30.30	+07	22	21	+6	N	6	0	*	*	*	-		
Christiansund ...																			
Skudesnaes ...	30.25	25	E	2	0	30.30	+28	27	27	+9	ENE	2	0	3	?	18	-		
Oxö (Xtiansand) ...	30.26	12	NNN	4	0	30.30	+11	18	17	+4	N	4	0	2	?	9	0.79		
Skagen (The Seaw)																			
Fanö ...														*					
Cuxhaven ...	30.11	*	*	*	*	30.36	+34	18	16	+7	E	2	0	*	?	?	-		
Sumburgh Head ...																			
Stornoway ...	30.04	33	N	0	0	30.02	+02	35	32	+2	SE	4	0	4	36	30	0.25		
Thurso ...	30.12	32	SE	1	0	30.11	+05	34	33	+1	SE	3	0	3	34	33	0.24		
Wick ...	30.14	35	S	5	0	30.13	+05	36	34	+2	S	5	0	4	36	32	-		
Nairn ...	30.13	33	N	0	0	30.13	+44	30	30	+2	N	0	0	1	?	27	-		
Aberdeen ...	30.13	34	SE	5	0	30.15	+12	35	33	+1	SSE	6	0	6	36	32	0.07		
Leith ...	30.10	33	SSE	3	0	30.15	+16	31	31	-3	SSE	3	0	*	36	29	0.24		
Shields ...	30.09	34	E	5	0	30.16	+20	35	35	0	SE	5	0	5	36	33	0.04		
York ...	30.09	33	NE	1	0	30.21	+29	32	31	-3	SE	2	0	*	35	31	0.04		
Scarborough ...	30.07	34	E	4	0	30.21	+29	34	32	-2	SE	5	0	5	?	32	0.24		
Nottingham ...	30.04	33	NE	4	0	30.20	+34	27	26	-8	ESE	2	0	*	35	29	0.14		
Ardrossan ...	30.13	30	ENE	2	0	30.08	+08	32	30	0	E	3	0	2	35	30	-		
Greencastle ...	29.99	36	SE	2	0	29.99	-102	36	33	-1	ESE	4	0	*	39	35	-		
Donaghadee ...	30.03	37	ESE	4	0	30.02	+09	37	35	-1	SE	5	0	4	38	37	-		
Kingstown ...	29.58	40	ESE	5	0	29.93	+07	40	38	-2	SE	6	0	5	42	38	-		
Holyhead ...	29.01	36	ENE	3	0	30.00	+15	33	31	-5	SSE	4	0	3	39	31	-		
Liverpool (Bidston) ...	30.04	34	ENE	4	0	30.11	+24	31	29	-4	E	5	0	3	36	30	-		
Valencia ...	29.69	42	ESE	3	0	29.56	-28	46	45	+10	SE	8	0	6	-7	34	0.20		
Roche's Point...	29.94	41	E	3	0	29.76	-04	46	46	+10	SSE	6	0	5	46	36	0.20		
Pembroke ...	29.92	37	E	4	0	29.92	+14	37	37	+2	ESE	7	0	4	39	35	-		
Portishead ...	29.96	35	ENE	4	0	30.09	+38	32	31	-4	ENE	5	0	4	37	29	-		
Scilly ...	29.88	42	E	4	0	29.74	+13	47	45	+4	SE	9	0	6	47	40	0.21		
Plymouth ...	29.92	37	NE	1	0	29.99	+28	41	40	+7	SE	4	0	*	43	34	-		
Hurst Castle ...	29.90	36	NE	4	0	30.08	+42	37	36	+1	E	5	0	3	38	32	-		
Dover ...	29.88	43	NE	4	0	30.16	+40	35	33	-7	NE	3	0	2	43	36	0.22		
London ...	29.96	35	E	3	0	30.15	+46	32	32	-6	E	2	0	*	38	31	0.07		
Oxford ...	*	*	*	*	*	30.14	+40	31	31	-3	E	1	0	*	34	31	0.05		
Cambridge ...	29.97	32	NE	2	0	30.18	+42	28	27	-7	E	1	0	*	40	26	0.24		
Yarmouth ...																			
The Helder ...	*	*	*	*	*	30.27	+40	14	13	-3	ENE	2	0	*	*	*	-		
Cape Gris Nez ...	29.86	34	E	3	m	30.15	+47	28	28	-9	ENE	4	0	3	39	28	-		
Brest ...	?	44	NE	1	0	?	?	45	41	-1	SE	4	0	4	46	37	-		
L'Orient ...	29.91	43	N	3	0	30.07	+07	43	41	-2	S	3	0	4	40	37	-		
Rochefort ...	29.85	46	NN	5	0	30.11	+39	37	36	-9	SE	3	0	3	40	37	0.22		
Biarritz ...	29.96	30	NNN	4	0	30.10	+34	46	43	+1	ESE	3	0	4	46	44	0.30		
Corunna ...	*	*	*	*	*														
Brussels ...	*	*	*	*	*	30.22	+49	19	*	-13	E	3	0	*	*	*	-		
Charleville ...	*	*	*	*	*	30.13	?	31	*	-6	ENE	3	0	*	*	*	-		
Paris ...	29.80	40	NE	3	0	30.10	+49	32	*	-13	NNE	2	0	*	*	*	-		
Lyons ...	*	*	*	*	*	?	?	44	*	+3	NN	4	0	*	*	*	-		
Toulon ...	29.80	41	NN	4	0	29.93	+13	39	34	0	NN	4	0	5	46	37	-		

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

Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.23	22	21	ENE	1	Valencia ...					
Thurso ...						Scilly ...					
Scarborough ...						London ...					
Greencastle ...						Rochefort ...	29.76	46	45	NW	5
Holyhead ...											

EXPLANATION OF COLUMNS.

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

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 26 DEC^r 1876

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

BAROMETER.



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

TEMPERATURE.



Arrows fly with the wind.
Force (10) = a Force 6 to 10 =
2. 4 = above 10 =
3. 7 =
Dark curved arrow shows apparent general motion of air.
Sea disturbance: - rough in shading. - high.

WIND & SEA.

1. A dotted line is drawn round the coast which has been crossed this morning.



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

WEATHER.



REMARKS Since midnight a brisk fall of the barometer has taken place at Valentia, and extends in a less degree to our other south-western stations while in all other places the mercury has risen. A large area of high pressure lies over the south of Scandinavia, Denmark and North Germany while the lowest readings are reported from the south of Ireland so that gradients for S to SE breezes prevail generally. Wind from about SE are consequently felt on most coasts, and though moderate to fresh over the greater part of these islands blow with the force of a gale in the south-west. Temperature has risen several degrees in the south of Ireland, and to a less extent in Scotland but over England it has fallen somewhat, and slight frost prevails. On the eastern shore of the North Sea temperature is very low. A little snow has fallen on our east coast and over Scotland. The weather continues generally very cloudy, and rain is falling in the south-west. The sea is rough on our north-east and south-east coasts but moderate elsewhere.

Warnings have been issued to all our western coasts this morning.

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

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

R. H. SCOTT.
Director

DAILY WEATHER REPORT

DEC 27th 1876.

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 ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...	30.07	35	SW	7	b	30.06		33	28		SW	2	b	5	36	30		
Skudesnaes ...																		
Oxö (Ålön) ...	30.34	18	N	4	s	30.29	-.01	24	25	+ 9	S	6	b	3	?	14		
Skagen (The Scaw) ...	30.36	31	W	5	s	30.38	+ .06	18	16	- 3	W	6	o	4	25	16	0.08	
Fanö ...	30.47	44	S	2	b	30.33	- 7	9	9	- 12	SSE	6	b	*	23	7		
Cuxhaven ...	30.45	*	*	*	*	30.34	-.02	9	7	- 9	SSE	3	b	*	?	?		
Sumburgh Head ...																		
Stornoway ...	29.74	35	ESE	5	o	29.38	-.64	38	27	+ 3	SSW	1	o	4	38	31	0.35	
Thurso ...	29.88	34	SSE	6	s	29.42	-.69	36	35	+ 2	SSE	4	o	3	37	33	0.23	
Wick ...	29.91	37	S	8	o	29.43	-.70	39	37	+ 3	S	4	o	6	39	34	0.15	
Nairn ...	29.94	32	N	2	b	29.44	-.69	36	31	+ 6	N	1	o	1	36	30	0.27	
Aberdeen ...	29.94	36	S	8	o	29.49	-.66	39	38	+ 4	S	2	r	7	39	35	0.70	
Leith ...	29.95	31	SSE	3	o	29.47	-.68	35	35	+ 4	SE	2	m	*	37	29	0.36	
Shields ...	30.07	32	SSE	6	o	29.50	-.60	38	36	+ 3	W	4	o	6	38	32	0.28	
York ...	30.08	31	ESE	3	o	29.64	-.57	37	36	+ 5	S	5	p	*	37	29	0.30	
Scarborough ...	30.10	34	SSE	5	o	29.65	-.56	37	37	+ 3	S	6	p	5	37	32	0.35	
Nottingham ...	30.18	31	SSE	5	o	29.65	-.55	39	39	+ 12	S	5	p	*	39	27	0.27	
Ardrossan ...	29.86	31	ESE	4	o	29.45	-.63	36	35	+ 4	NE	3	o	2	36	31	1.44	
Greencastle ...	29.58	28	ESE	6	o	29.37	-.52	39	39	+ 3	W	1	o	*	39	25	0.46	
Donaghadee ...	29.73	37	SSE	7	r	29.38	-.64	46	46	+ 9	W	3	b	2	47	37	0.96	
Kingstown ...	29.63	42	SE	10	?	29.43	-.50	47	46	+ 7	W	3	m	4	52	37	1.09	
Holyhead ...	29.66	35	S	2	?	29.44	-.50	51	51	+ 12	SSW	2	?	2	52	32	0.68	
Liverpool (Bidston) ...	29.88	31	ESE	7	s	29.51	-.60	44	40	+ 9	SE	4	o	3	40	29	0.32	
Valencia ...	29.83	53	S	8	?	29.32	-.74	45	44	- 1	N	0	o	2	44	42	1.31	
Roche's Point ...	29.46	50	SSE	8	?	29.36	-.40	50	50	+ 4	SE	4	p	4	52	46	1.62	
Pembroke ...	29.66	44	SSE	9	?	29.50	-.42	52	52	+ 13	SSW	6	r	4	52	38	1.41	
Portishead ...	29.96	36	SE	6	?	29.64	-.45	52	51	+ 20	SSW	7	o	4	52	31	0.45	
Scilly ...	29.66	34	S	9	?	29.34	-.30	54	54	+ 7	SSW	8	2f	6	54	45	1.01	
Plymouth ...	29.88	44	SE	6	o	29.66	-.33	53	53	+ 12	SE	5	o	*	52	41	1.22	
Hurst Castle ...	30.04	42	S	6	?	29.72	-.36	53	49	+ 13	SSW	7	o	6	53	35	0.79	
Dover ...	30.10	33	ESE	2	o	29.92	-.24	42	41	+ 7	SW	5	o	5	43	30	0.12	
London ...	30.13	33	SE	4	o	29.79	-.26	45	44	+ 13	S	5	p	*	45	32	0.10	
Oxford ...	*	*	*	*	*	29.72	-.42	45	44	+ 14	SE	2	o	*	45	31	0.28	
Cambridge ...	30.12	32	SE	1	o	29.75	-.43	40	39	+ 12	SSE	2	o	*	41	27	0.17	
Yarmouth ...	30.16	32	SE	7	o	29.84	-.36	40	39	+ 11	S	7	o	5	40	28	0.08	
The Helder ...	*	*	*	*	*	30.14	-.13	23	22	+ 9	SE	2	o	*				
Cape Gris Nez ...	30.19	28	SE	1	b	29.91	-.26	27	37	+ 9	SSE	5	f	3	?	25	0.04	
Brest ...	?	50	SSW	5	?	?	?	34	52	+ 9	SW	4	m	6	?	45	0.98	
L'Orient ...	29.99	48	S	5	?	29.93	-.14	54	52	+ 11	SSW	5	m	5	59	41	0.83	
Rocheport ...	30.12	46	SSE	4	o	30.05	-.16	43	41	+ 6	SSE	4	o	3	?	32		
Biarritz ...	30.08	52	ESE	2	o	30.05	-.05	55	45	+ 9	SSE	4	b	3	55	43		
Corunna ...	*	*	*	*	*									*	*	*		
Brussels ...	*	*	*	*	*									*	*	*		
Charleville ...	*	*	*	*	*	30.44	-.08	32	*	+ 13	SSE	3	o	*	*	*		
Paris ...	30.20	36	ESE	3	o	30.11	-.05	37	*	+ 5	SE	3	o	*	*	*		
Lyons ...	*	*	*	*	*	?	?	41	*	- 3	SE	2	o	*	*	*		
Toulon ...	30.08	41	W	4	b	30.22	+ .29	41	34	+ 2	NE	2	b	3	43	37		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.34	21	21	?	1	7	Valencia	29.39	53	52	S	7	7	6
Thurso	30.03	35	33	SSE	4	0	Scilly	29.71	37	30	SSE	10	P	7
Scarborough ...	30.18	33	31	SSE	5	0	London	30.10	36	34	ESE	2	over	*
Greencastle ...	29.80	36	35	ESE	5	7	Rocheport ...	30.11	41	41	SE	4	0	3
Holyhead	29.94	35	34	S	2	7								

The fall of the barometer has now become general and the wind has increased to a hard gale in the SW. and to a hard gale at Aberdeen.
 Warnings issued to our N. E. and S. coast this afternoon.

EXPLANATION OF COLUMNS

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

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

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

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

WEATHER CHARTS *for 8 a.m on Wednesday 27TH DEC^R 1876*



DAILY WEATHER REPORT

Dec 28th

1876.

STATIONS.	YESTERDAY EVENING.						8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade. (0 to 12).	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sun. (0 to 5).	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 32° F. and Sea Level.	Dry.	Wet.	Difference between dry and wet thermometers.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda ...																			
Hernösand ...																			
Stockholm ...																			
Visby ...																			
Christiansund ...																			
Skudesnaes ...																			
Oxö (Xtiansand) ...																			
Skagen (The Seaw)																			
Fanö ...																			
Cuxhaven ...	30.06	*	*	*	*	29.71	-63	39	39	+30	SW	3	om	*	?	?	0.30		
Sumburgh Head																			
Stornoway	29.27	38	ESE	1	0	29.13	-25	41	40	+3	S	1	0	4	53	53	0.26		
Thurso ...	29.31	36	Z	0	0	29.15	-27	38	37	+2	Z	0	0	4	40	34	0.18		
Wick ...	29.31	38	N	1	0	29.16	-27	39	38	0	N	1	bc	5	43	35	0.15		
Nairn ...	29.27	36	Z	0	0	29.17	-27	43	41	+7	N	3	bc	2	43	36	0.43		
Aberdeen ...	29.30	37	Z	0	m	29.21	-28	44	40	+5	WN	2	0	4	44	37	0.53		
Leith ...	29.28	37	SE	3	N	29.34	-13	44	43	+9	W.SW	4	0	*	50	34	0.22		
Shields ...	29.35	40	SW	4	0	29.39	-17	48	45	+10	SW	3	0	5	49	36	0.51		
York ...	29.43	46	S	1	m	29.51	-13	47	46	+10	S	1	0	*	53	35	0.05		
Scarborough ...	29.42	49	SSW	2	m	29.47	-18	46	44	+9	SW	2	0	2	52	36	0.09		
Nottingham ...	29.48	54	S	6	0	29.55	-10	55	54	+16	SSW	4	0	*	56	39	0.04		
Ardrossan ...	29.21	38	NE	3	N	29.38	-07	46	43	+10	SSW	3	0	3	50	36	0.43		
Greencastle ...	29.09	45	E	1	0	29.29	-08	40	39	+1	NE	1	0	*	50	35	0.25		
Donaghadee ...	29.20	48	SSE	4	0	29.36	-02	44	43	-2	SW	3	bc	2	50	43	0.16		
Kingstown ...	29.26	55	W	4	bc	29.37	-06	48	47	+1	SSE	4	bc	3	58	44	0.05		
Holyhead ...	29.33	53	SSW	5	N	29.42	-02	49	49	-2	S	2	fd	2	54	47	0.34		
Liverpool (Bidston)	29.40	53	S	3	0	29.47	-04	49	48	+9	SE	2	0	3	54	41	0.11		
Valencia ...	29.34	52	WSW	6	0	29.34	+02	52	48	+7	WSW	7	0	5	56	43	0.22		
Roche's Point...	29.48	49	WSW	6	0	29.41	+05	50	49	0	SW	5	0	5	51	49	0.25		
Pembroke ...	29.45	53	SW	8	m	29.50	00	53	52	+1	SW	7	m	5	53	50	0.28		
Portishead ...	29.55	56	SW	7	0	29.60	-04	56	55	+4	SSW	6	0	5	57	48	0.60		
Scilly ...	29.58	55	SW	9	0	29.59	+05	54	54	0	SW	6	0	6	56	53	0.32		
Plymouth ...	29.63	54	SW	6	0	29.66	00	53	53	0	SW	6	0	*	55	52	0.57		
Hurst Castle ...	29.65	54	SW	7	N	29.70	-02	54	53	+4	SW	7	0	6	54	47	0.70		
Dover ...	29.75	57	WSW	4	0	29.78	-14	57	57	+9	SW	4	bc	4	52	41	0.17		
London ...	29.66	55	SW	5	0	29.68	-11	55	55	+10	SW	5	0	*	55	45	0.11		
Oxford ...	*	*	*	*	*	29.63	-09	56	54	+11	SW	6	0	*	56	45	0.10		
Cambridge ...	29.57	54	SW	3	0	29.65	-10	55	54	+15	SW	3	0	*	56	50	0.02		
Yarmouth ...	29.62	47	SSW	6	0	29.64	-20	53	53	+13	SSW	4	0	m	53	39	0.06		
The Helder... ..	*	*	*	*	*	29.72	-42	45	45	+22	SSW	3	0	*	*	*	0.24		
Cape Gris Nez	29.83	48	S	8	0	29.82	-09	52	52	+15	SSW	7	0	6	?	36	0.12		
Brest ...	?	39	SW	5	N	?	?	55	54	+1	SW	4	m	5	55	34	0.47		
L'Orient ...	29.90	55	SW	5	bc	29.89	-04	55	52	+1	SW	4	0	7	59	52	-		
Rocheport ...	30.03	50	SSE	3	bc	30.02	-03	45	45	+2	SSE	4	bc	3	54	32	-		
Biarritz ...	30.06	57	SSW	1	bc	30.04	-01	59	50	+4	SSW	4	bc	4	64	52	-		
Corunna ...	*	*	*	*	*														
Brussels ...	*	*	*	*	*	29.89	-25	46	*	+14	SSW	3	0	*	*	*	?		
Charleville ...	*	*	*	*	*	29.99	-16	42	*	+15	SSE	3	0	*	*	*	*		
Paris ...	30.04	45	S	2	0	30.02	-09	44	*	+07	S	3	0	*	*	*	*		
Lyons ...	*	*	*	*	*	?	?	46	*	+5	S	4	bc	*	*	*	*		
Toulon ...	30.30	45	E	3	0	30.35	+13	45	43	+4	E	4	bc	3	46	41	-		

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.			
Skudeensæs ...	29.91	31	26	SE	8	0	6	Valencia	29.19	45	42	WSW	7	0	6	
Thurso	29.41	36	35	Z	0	1	1	Scilly	29.52	55	55	SW	10	N	6	
Scarborough ...	29.51	41	41	SW	2	m	4	London	29.68	52	51	S	3	0	N	*
Greencastle ...	29.28	44	43	E	2	0	*	Rocheport ...	30.02	50	46	SE	4	0	3	
Holyhead ...	29.37	51	51	SSW	4	fd	3									

The barometer has continued to fall everywhere but a slight recovery is now appearing at Valencia. The wind has fallen light except in the SW. the gale at Scilly having increased considerably and become more W. since 8 a.m. whilst a south-west gale has sprung up at Valencia.

EXPLANATION OF COLUMNS.

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

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

WEATHER CHARTS for 8 a.m on Thursday DEC: 28th 1876



REMARKS. The center of the depression, whose advance towards our W coast yesterday, caused the barometer to fall so much, travelled away to the N during the day, and the mercury rose briskly for a short time at our SW stations. During the past night, however, it has again begun to fall briskly in the S of France, where in the S of France it is high and rising. The wind rose to a hard gale from SW at the mouth of the Channel, and a fresh gale on many other parts of our W and S coasts, as the disturbance moved N, and though this has since lulled considerably, strong equally heavy or moderate gales are still reported from all our S and SW stations, where only light winds are felt in the NE and calms in the N and NW. Temperature has risen rapidly at the E station at the mouth of the Elbe; it has risen no less than 30° since 8 a.m. yesterday. The weather is now very warm in the S and E for the time of year. Rain has fallen generally, most in the S, and continues at Hurst Castle. The sky is overcast, except in the S of France, and the weather is very unsettled.

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

R. H. SCOTT.

Dangerfield, Jeth 1 St Nov

DAILY WEATHER REPORT

DEC 28th

1876.

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 2).	SHADE TEMP.					
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.			
Haparanda	29.92	5	E	4	0	29.56		17	17		E	4	0	*	*	*	-		
Hernösand	29.71	27	S	6	0	29.23		25	25		E	2	0	*	*	*	0.20		
Stockholm	29.68	27	SSE	4	0	29.11		30	30		E	2	0	*	*	*	0.24		
Wisby	29.76	23	SSW	8	0	29.22		36	36		WSW	6	0	*	*	*	0.16		
Christiansund																			
Skudesnaes	29.27	39	SE	4	0	29.23	-18	41	40	+3	WSW	4	0	4	0	34	-		
Oxö (Xtiansand)	29.48	31	NE	4	0	29.29	-36	27	27	-3	NE	4	3	3	32	25	-		
Skagen (The Seal)	29.45	33	S	5	0	29.31	-41	33	33	+7	Z	0	1	1	37	27	0.39		
Fanö	29.50	39	WSW	4	0	29.50	-15	39	39	0	SW	4	0	*	39	26	0.12		
Cuxhaven	29.63	*	*	*	*	29.64	-27	43	43	+4	WSW	5	0	*	?	?	0.17		
Sumburgh Head																			
Stornoway																			
Thurso	29.13	41	SW	1	0	29.53	+40	35	35	-6	W	1	6	3	44	35	0.14		
Wick	29.16	37	Z	0	0	29.59	+44	40	38	+2	SW	1	0	1	43	35	0.12		
Nairn	29.17	35	Z	0	0	29.53	+37	36	36	-3	WSW	1	0	1	41	33	0.13		
Aberdeen	29.22	40	SSW	2	0	29.55	+38	39	37	-6	W	1	0	1	43	38	0.02		
Leith	29.30	41	WSW	4	0	29.56	+29	42	38	-2	WSW	2	6	1	44	40	-		
Shields	29.40	50	SW	3	0	29.63	+22	43	42	-1	WSW	2	6	*	50	40	0.05		
York	29.50	57	W	2	0	29.67	+16	46	44	-1	W	1	0	2	52	45	-		
Scarborough	?	50	WSW	3	0	29.68	+21	45	43	-1	Z	0	0	1	57	45	0.04		
Nottingham	29.61	50	S	5	0	29.75	+20	39	38	-16	S	2	6	*	58	37	0.03		
Ardrossan	29.34	48	SSW	3	0	29.57	+19	42	41	-4	ENE	1	6	1	49	42	0.34		
Greencastle	29.23	46	SW	2	0	29.52	+23	39	38	-1	WSW	1	0	*	47	37	0.14		
Donaghadee	29.36	46	W	5	0	29.58	+22	40	40	-4	SW	1	6	1	48	40	0.07		
Kingstown	29.45	50	W	4	0	29.60	+23	46	44	-2	SSE	1	0	2	53	45	-		
Holyhead	29.52	48	SSW	4	0	29.63	+21	45	45	-4	SSW	1	W	1	53	45	0.01		
Liverpool (Bidston)	29.52	48	SW	5	0	29.67	+20	44	42	-5	S	2	0	2	54	44	-		
Valencia	29.55	52	WSW	5	0	29.33	-0.2	51	50	-1	SE	6	N	5	53	47	0.36		
Roche's Point	29.66	49	WSW	4	0	29.49	+0.8	50	50	1.0	S	6	2	5	52	46	0.18		
Pembroke	29.63	52	WSW	5	0	29.65	+1.5	48	48	-5	SE	5	1	5	53	47	-		
Portishead	29.66	51	SW	4	0	29.74	+1.4	44	44	-12	WSW	2	1	2	57	40	0.57		
Scilly	29.69	52	SW	2	0	29.65	+0.6	54	53	0	S	6	0	5	54	49	0.17		
Plymouth	29.71	52	SW	2	0	29.73	+0.7	53	53	0	S	4	0	*	55	50	0.28		
Hurst Castle	29.73	52	SW	4	0	29.77	+0.7	52	52	-2	SSW	3	0	3	54	48	0.20		
Dover	29.74	51	WSW	4	0	29.82	+0.4	49	49	-2	SW	2	0	3	52	49	0.26		
London	29.71	54	WSW	3	0	29.80	+1.2	50	50	-5	S	2	0	*	56	49	0.11		
Oxford	*	*	*	*	*	29.77	+1.4	45	45	-11	Z	0	0	*	57	43	0.19		
Cambridge	29.64	51	SW	2	0	29.78	+1.3	40	40	-15	SW	1	6	0	56	40	0.03		
Yarmouth	29.63	52	WSW	3	0	29.78	+1.4	43	43	-10	WSW	2	6	0	55	42	0.03		
The Helder	*	*	*	*	*	29.75	+0.3	44	44	-1	SW	1	6	*	*	*	0.04		
Cape Gris Nez	29.78	50	SW	7	0	29.85	+0.3	50	50	-2	ESE	2	1	2	52	50	0.16		
Brest	?	54	SW	3	0	?	?	54	52	-1	SSW	3	0	5	55	52	0.28		
L'Orient	29.86	54	SW	5	0	29.92	+0.3	54	54	-1	SSW	4	W	6	59	52	-		
Rocheport	29.96	50	S	5	0	30.06	+0.4	46	46	+1	S	4	C	3	52	37	-		
Biarritz	30.06	59	SSW	4	0	30.08	+0.4	61	50	+2	SSW	4	6	3	66	55	-		
Corunna	*	*	*	*	*			*	*					*	*	*	*		
Brussels	*	*	*	*	*	29.90	+0.1	43	*	+2	WSW	3	0	*	*	*	*		
Charleville	*	*	*	*	*	29.84	+1.5	46	*	+4	SSE	3	0	*	*	*	*		
Paris	29.96	47	S	2	0	29.98	-0.4	48	*	+4	SSW	3	6	0	*	*	-		
Lyons	*	*	*	*	*	?	?	50	*	+4	W	2	1	*	*	*	*		
Toulon	30.34	46	E	4	0	30.25	-10	50	50	+5	W	1	0	5	52	45	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	29.34	39	37	SE	6	0	Valencia	29.48	52	47	WSW	6	6 c g 6
Thurso	29.19	38	38	Z	0	0	Scilly	29.64	54	54	WSW	5	0 m 6
Scarborough	29.42	55	53	SW	3	0	London	29.67	55	54	SW	3	0 m 2
Greencastle	29.24	46	45	WSW	2	0	Rocheport	29.98	50	48	SSE	4	0 3
Holyhead	29.47	51	50	SW	4	0 m 3							

The barometer is rising a little at our W^m and SW^m stations, where the wind has veered a little and is moderating.

EXPLANATION OF COLUMNS.

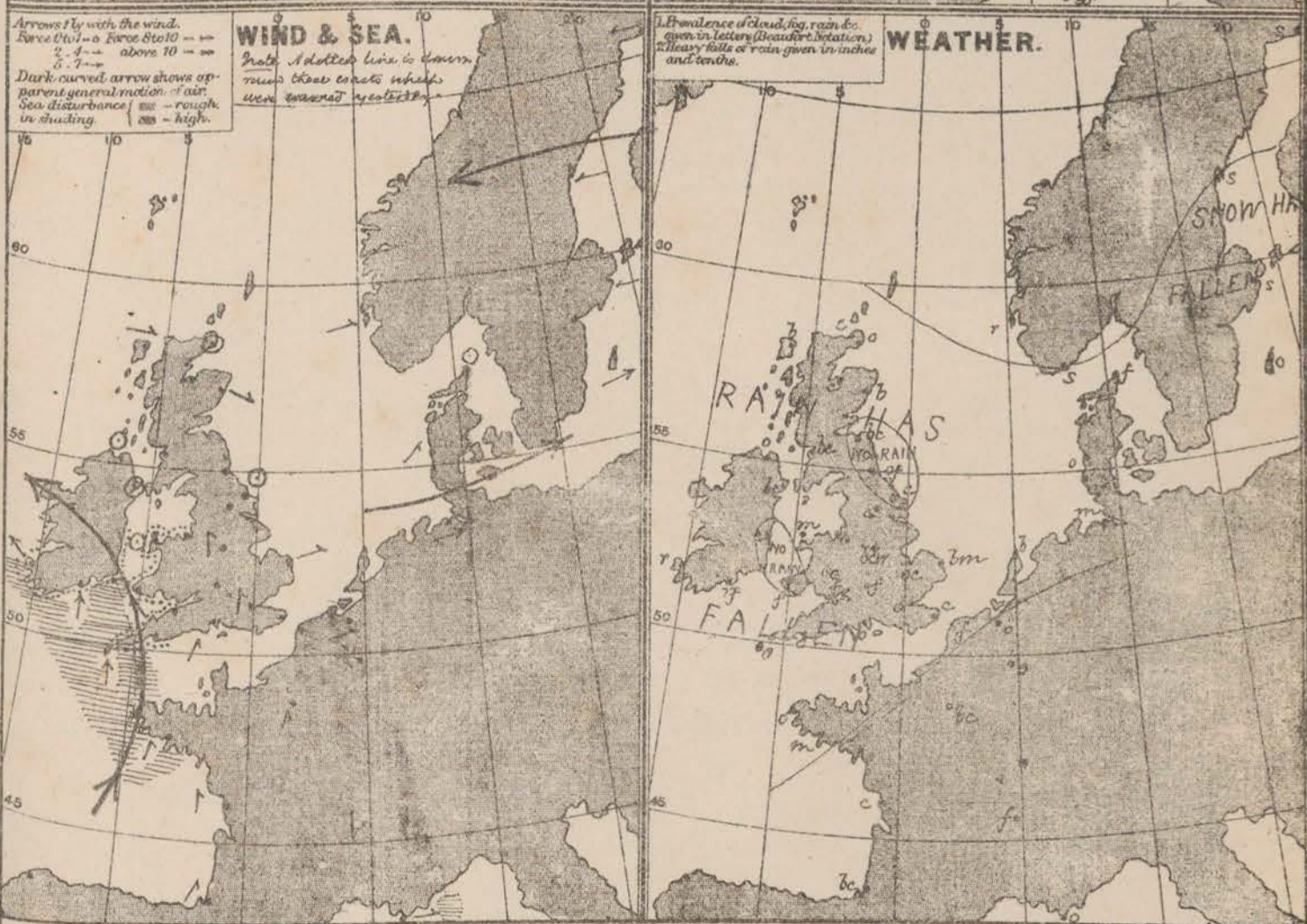
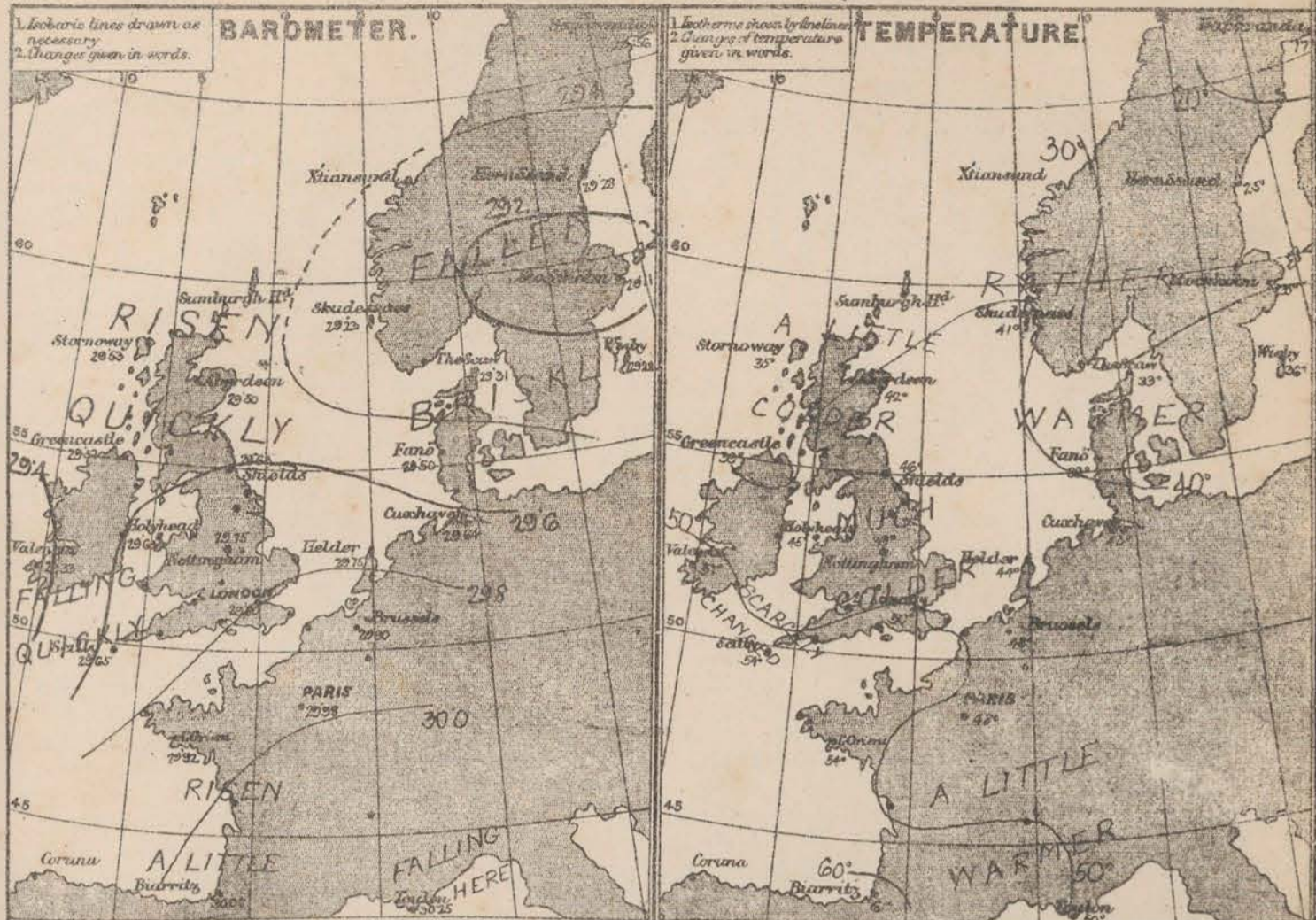
WEATHER—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 DEC^r 29th 1876



REMARKS During the past 24 hours the barometer has risen considerably in Holland, and to a less extent in the north and east of England while it has fallen just over Scandinavia. Since last evening a fresh and brisk fall has set in at our western stations, and appears to be extending Eth and Nth. The highest readings lie over the southern parts of France, while a well-formed depression is found over the southern parts of Sweden and Norway, and a second one appears to be advancing to our south west coasts from the Atlantic, making the gradient for Sth winds steep off the mouth of St. George's Channel. Temperature has not changed much except over Central England where it has fallen from 10° to 15°. It is very high in the north generally, and at Biarritz the reading this morning is 61°. The wind has again backed to S at all our southern stations, and to SE at Valenue. Although it is still light on our eastern and northern coasts it has begun to rise in the west and is blowing a strong breeze in the south of Ireland and St. George's Channel. The sky is very cloudy at all but the northern stations; fog and rain are again reported in the west and snow in Sweden. Rain fell at all but our north eastern stations yesterday. The sea is rather rough in the south west. Our west and south west coasts were warned yesterday.

DAILY WEATHER REPORT DEC 30th 1876.

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.		GRADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 8 p.m. and Sea Level.	Difference from 5 p.m. yesterday.	Dry.	Wet.	Inference from gauge yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.55	13	SE	2	b	29.20	-.36	-2	-3	-19	N	0	c	*	*	*	0.12	
Hernösand ...	29.34	17	SSW	2	b	29.43	+.15	13	13	-12	N	0	b	*	*	*	0.04	
Stockholm ...	29.57	23	L	0	c	29.50	+.39	10	9	-20	N	2	b	*	*	*	0.12	
Wishby ...	29.50	30	NNW	8	c	29.62	+.40	28	27	-8	NNW	4	b	*	*	*	-	
Christiansund ...	29.44	35	SW	2	o	29.56	+.30	33	33	+1	SSW	1	s	4	36	28	-	
Skudesnaes ...	29.50	36	SW	2	b	29.53	+.50	31	30	-10	NNE	2	c	3	41	36	-	
Oxö (Xtiansand) ...	29.57	30	ESE	4	c	29.57	+.28	27	26	0	ENE	4	b	3	32	25	-	
Skagen (The Scaw) ...	29.55	32	NN	2	o	29.57	+.26	29	28	-4	E	2	o	2	34	27	-	
Fanö ...	29.61	36	S	2	f	29.49	-.01	35	35	-4	E	3	o	*	39	32	0.16	
Cuxhaven ...	29.76	*	*	*	*	29.57	-.13	44	44	+1	NNE	3	mo	*	?	?	-	
Sumburgh Head																		
Stornoway	29.40	34	ESE	1	o	29.29	-.21	40	39	+5	N	0	o	2	40	33	0.04	
Thurso ...	29.48	34	S	1	o	29.38	-.21	40	39	0	SSE	1	p	1	40	33	0.06	
Wick ...	29.47	40	S	2	b	29.38	-.35	42	41	+6	SE	1	o	1	42	33	-	
Nairn ...	29.45	33	N	1	c	29.35	-.20	37	36	±2	N	0	o	1	39	32	0.09	
Aberdeen ...	29.47	37	N	0	mo	29.36	-.14	43	42	+1	SSE	2	p	1	43	36	0.14	
Leith ...	29.43	41	ESE	2	p	29.34	-.22	41	41	-2	SE	2	o	*	49	38	0.28	
Shields ...	29.45	45	SSE	4	o	29.41	-.22	43	42	-3	N	0	of	2	46	43	0.46	
York ...	29.46	45	S	1	p	29.45	-.22	44	43	-2	S	1	o	*	50	41	?	
Scarborough ...	29.46	44	SSE	5	p	29.45	-.23	45	44	0	SW	1	o	2	49	42	0.44	
Nottingham ...	29.37	57	S	6	p	29.48	-.27	43	43	+4	S	3	p	*	57	39	0.31	
Ardrossan ...	29.36	43	NNE	3	p	29.34	-.23	44	43	+2	ESE	2	o	2	45	41	0.35	
Greencastle ...	29.23	45	E	4	p	29.24	-.26	44	43	+0	S	2	o	*	46	37	0.55	
Donaghadee ...	29.29	46	SSE	4	p	29.30	-.28	46	46	+6	SSE	4	o	3	47	40	0.49	
Kingstown ...	29.21	49	N	5	p	29.23	-.07	48	47	+2	SE	4	p	4	50	45	0.65	
Holyhead ...	29.22	48	SE	2	p	29.29	-.34	46	45	+1	SSE	3	p	2	57	45	0.37	
Liverpool (Midston) ...	29.27	48	ESE	3	p	29.38	-.29	42	41	-2	ESE	3	p	3	58	42	0.22	
Valencia ...	29.43	46	NNW	2	b	28.99	-.34	53	51	+2	S	7	o	6	57	43	0.27	
Roshe's Point...	29.41	48	NN	4	b	29.06	-.43	57	50	+1	SW	6	o	5	52	43	1.26	
Pembroke ...	29.20	57	N	6	b	29.25	-.10	57	57	+3	S	8	o	5	53	47	0.48	
Portishead ...	29.31	54	SW	6	p	29.43	-.31	57	50	+7	S	7	c	4	56	41	0.20	
Scilly ...	29.50	52	N	9	c	29.27	-.38	54	53	0	SW	9	p	7	56	47	0.42	
Plymouth ...	29.37	52	NNE	8	o	29.41	-.32	53	52	0	SE	6	o	*	55	48	0.32	
Hurst Castle ...	29.46	55	SW	8	o	29.50	-.27	52	52	0	SSE	6	o	5	55	46	0.23	
Dover ...	29.63	52	S	5	a	29.67	-.15	49	49	0	SW	3	c	3	54	47	0.58	
London ...	29.53	55	S	4	o	29.59	-.21	49	48	-1	S	3	mo	*	55	45	0.18	
Oxford ...	*	*	*	*	*	29.52	-.25	49	48	+4	SE	1	f	*	54	45	0.25	
Cambridge ...	29.47	52	S	3	p	29.57	-.21	45	45	+5	S	1	p	*	55	40	0.22	
Yarmouth ...	29.60	48	S	3	p	29.60	-.18	44	43	+1	SW	2	mo	*	52	42	0.15	
The Helder...	*	*	*	*	*	29.60	-.15	46	46	+2	SW	2	b	*	*	*	0.24	
Cape Gris Nez	29.66	54	SSW	6	o	29.65	-.20	50	50	0	S	5	o	5	55	36	0.24	
Brest ...	?	54	N	5	b	?	?	57	50	+8	SSW	5	o	7	57	50	0.57	
L'Orient ...	29.36	57	NNE	5	mo	29.59	-.33	55	52	+1	SSW	5	mo	6	61	46	0.08	
Rochefort ...	29.94	50	S	4	o	29.72	-.34	52	48	+6	S	5	o	5	52	37	-	
Biarritz ...	30.01	61	S	3	a	29.87	-.21	61	52	+9	S	4	o	3	66	41	-	
Coranna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.76	-.14	48	*	0	SW	3	o	*	*	*	0.49	
Charleville ...	*	*	*	*	*	29.80	-.04	45	*	-1	SW	3	o	*	*	*	*	
Paris ...	29.89	52	S	3	o	29.80	-.18	45	*	0	SSE	2	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	49	*	-1	S	2	o	*	*	*	*	
Toulon ...	30.18	52	N	1	o	30.14	-.21	48	45	-4	E	3	b	3	55	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.	
Skudesnaes ...	29.45	37	36	WNW	4	b	Valencia	29.28	57	50	WNW	3	29	3
Thurso	29.52	36	35	E	1	cm	Scilly	29.30	55	54	S	10	c	3
Scarborough ...	29.64	44	43	SSE	1	o	London	29.72	57	53	S	2	oob	*
Greencastle ...	29.42	44	43	E	2	p	Rochefort ...	29.90	52	50	S	5	o	3
Holyhead	29.44	49	48	SE	3	mg								

A small depression has advanced over the S. of Ireland, and the wind has veered to NN. at Valencia. In the SW. of England however the barometer has fallen fast and a S.W. gale is blowing. Warnings were extended to all our SW. coasts this morning.

EXPLANATION OF COLUMNS.

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

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

† The evening observations are taken at 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 DEC 30th 1876

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

BAROMETER.



1. Isotherms drawn as necessary.
2. Changes of temperature given in words.

TEMPERATURE.



Arrows 1 by with the wind.
Force 0-10 - Force 10-20 -
2-4 - above 10 -
5-7 -
Dark curved arrow shows apparent general motion of air.
Sea disturbances: - rough in shading - high.

WIND & SEA.



1. Isotherms drawn as necessary.
2. Changes of temperature given in words.

WEATHER.



REMARKS The changes in the distribution of pressure over the British Isles and North Sea are certainly sudden and important. The depression which showed itself in the W. yesterday, travelled across England last evening, and now lies over the North Sea. So it rises the barometer very quickly, but this morning's report shows that a new and rapid fall is taking place in the W. and spreading to our other coasts. Pressure remains much higher in the S. of France than elsewhere, and steep gradients for winds prevail over the S. and SW. stations. The wind, now to strong gale from the S. and W. in the Channel, and S. of our Islands yesterday afternoon, is evening. This is well, but today's observations show that it has backed quickly to S. again, and has again increased to a strong gale in the SW. Temperature is changing irregularly, but remains very high in the S. At Reading it is as high as 64°. A great deal of rain has fallen at the SW. stations (as much as 1.26 in at Reading Point), and a smaller quantity elsewhere. The weather remains in an exceedingly unsettled, wet and gloomy condition. The sea is high off our SW. coasts, but is smooth in the N.

Our W. and SW. coasts were warned on Thursday, our S. coasts yesterday morning, and the coasts of Lincolnshire, Norfolk, and Suffolk in the evening. The cones are still up.

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

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

R. H. SCOTT.
Director.

Printed and Published by J. W. & J. G. Smith, 11, Abchurch Lane, London, E.C. 4.

DAILY WEATHER REPORT DEC 31st 1876.

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 820 ft. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Inference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.		
Haparanda ...	29.38	1	NW	2	bc	29.41	+ .21	- 12	- 12	- 10	N	0	b	*	*	*	-	
Hernösand ...	29.47	19	N	0	o	29.36	- .07	16	16	+ 3	NNE	2	f	*	*	*	-	
Stockholm ...	29.59	8	N	0	f	29.34	- .16	24	24	+ 14	NSE	2	s	*	*	*	-	
Wisby ...	29.64	24	S	4	bc	29.32	- .30	32	30	+ 4	SSE	6	a	*	*	*	0.08	
Christiansund ...	29.45	33	NE	5	o	29.30	- .26	31	29	- 2	NNE	4	c	4	34	28	-	
Skudesnaes ...	29.31	35	E	4	S	29.13	- .40	34	34	+ 3	E	2	o	2	?	39	-	
Oxö (Klansand) ...	29.39	28	NE	7	S	29.21	- .36	29	27	+ 2	NNE	4	o	3	30	21	-	
Skagen (The Scaw) ...	29.40	32	SE	3	S	29.13	- .44	37	36	+ 8	N	2	r	1	37	28	0.39	
Fanö ...	29.28	38	SSW	6	o	29.34	- .15	39	39	+ 4	SW	4	f	*	39	34	0.32	
Cuxhaven ...	29.49	*	*	*	*	29.45	- .06	44	44	a	SW	3	o	*	3	3	0.13	
Samburgh Head ...																		
Stornoway ...	29.04	41	ESE	1	o	29.82	+ .69	43	42	+ 3	NNE	2	ow	4	43	30	0.43	
Thurso ...	29.10	43	ESE	2	P	28.85	- .33	43	42	+ 3	ESE	5	r	4	43	39	0.32	
Wick ...	29.07	43	SE	3	P	28.84	- .34	45	45	+ 3	SE	6	r	4	49	39	0.25	
Nairn ...	29.07	39	?	1	P	28.82	- .33	40	39	+ 3	N	2	P	2	42	36	0.16	
Aberdeen ...	29.06	44	SSE	2	P	28.80	- .36	46	45	+ 3	SSE	5	r	6	46	40	0.37	
Leith ...	29.04	42	SW	1	o	28.77	- .37	49	47	+ 8	SW	3	bc	*	38	38	0.20	
Shields ...	29.09	40	SW	5	o	28.88	- .33	48	45	+ 5	SSW	3	f	3	37	42	0.26	
York ...	29.16	50	S	2	P	29.04	- .44	48	46	+ 4	SW	1	o	*	38	42	0.20	
Scarborough ...	29.02	50	SSE	5	P	28.98	- .47	47	46	+ 2	SW	1	o	1	38	43	0.60	
Nottingham ...	29.24	49	SSW	5	o	29.07	- .41	52	49	+ 9	SSW	8	ow	*	32	43	0.33	
Ardrossan ...	29.06	43	NE	2	P	28.71	- .63	49	46	+ 5	SSW	7	P	7	38	43	0.76	
Greencastle ...	28.95	48	S	1	m	28.60	- .64	46	45	+ 2	S	4	r	*	44	42	0.20	
Donaghadee ...	29.06	47	SSW	4	bc	28.74	- .56	47	47	+ 1	SW	6	a	5	49	44	0.77	
Kingstown ...	29.12	52	SSW	4	bc	28.74	- .44	50	47	+ 2	S	4	r	3	53	46	0.39	
Holyhead ...	29.17	51	SW	6	bc	28.89	- .40	50	48	+ 4	SW	7	bc	6	52	45	0.44	
Liverpool (Bidston) ...	29.20	50	SW	6	o	28.95	- .43	50	45	+ 8	SW	6	bc	3	53	42	0.45	
Valencia ...	29.98	50	S	8	o	28.69	- .84	57	49	- 2	SW	7	a	6	34	47	0.60	
Roche's Point ...	29.07	50	SSW	8	o	28.85	- .21	57	49	o	SW	6	o	6	52	48	0.49	
Pembroke ...	29.20	52	SW	5	bc	28.99	- .26	57	47	o	SW	9	bc	7	53	43	0.53	
Portishead ...	29.36	52	SSW	6	bc	29.44	- .49	57	48	o	SW	6	c	4	56	47	0.45	
Seilly ...	29.31	50	SSW	8	o	29.15	- .12	53	49	- 1	SW	9	o	7	56	52	0.13	
Plymouth ...	29.40	57	N	5	bc	29.19	- .23	50	49	- 3	SW	7	c	*	56	49	0.41	
Hurst Castle ...	29.47	53	SSW	6	o	29.27	- .23	54	53	+ 2	SSW	6	ow	6	55	40	0.13	
Dover ...	29.49	52	SSW	5	bc	29.33	- .34	57	50	+ 3	SSW	5	bc	5	53	49	0.40	
London ...	29.43	53	N	5	bc	29.25	- .34	54	52	+ 5	SW	8	og	*	55	49	0.41	
Oxford ...	*	*	*	*	*	29.19	- .33	57	48	+ 5	SW	6	o	*	54	48	0.30	
Cambridge ...	29.24	59	SW	4	bc	29.19	- .33	52	51	+ 7	SW	3	o	*	54	45	0.36	
Yarmouth ...	29.31	50	SW	7	o	29.21	- .39	51	49	+ 7	SSW	5	og	4	57	43	0.35	
The Helder ...	*	*	*	*	*	29.35	- .25	47	46	+ 1	SSE	2	c	*	*	*	0.04	
Cape Gris Nez ...	29.53	54	SW	7	bc	29.38	- .27	52	48	+ 2	SSW	7	c	5	55	46	0.34	
Brest ...	?	54	SW	4	bc	?	?	50	50	- 3	SSW	4	o	7	59	32	0.08	
L'Orient ...	29.64	54	SW	4	m	29.48	- .09	55	52	o	SW	6	m	7	54	45	0.34	
Rochefort ...	29.29	52	SW	2	bc	29.65	- .07	54	50	+ 2	SW	4	o	4	57	41	-	
Biarritz ...	29.23	63	SSE	2	o	29.70	- .44	64	59	o	SSE	4	c	3	63	63	-	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.30	- .26	50	*	+ 2	SSW	3	P	*	*	*	0.04	
Charleville ...	*	*	*	*	*	?	?	50	*	+ 5	SW	3	o	*	*	*	*	
Paris ...	29.73	52	SSW	2	bc	29.58	- .27	57	*	+ 3	S	4	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	56	*	+ 4	SE	6	o	*	*	*	*	
Toulon ...	30.08	52	SSW	3	m	30.08	- .06	58	46	+ 4	E	4	m	4	55	48	-	

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

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	29.41	30	30	NW	2	bc	3	Valencia	28.94	54	50	S	7	c	6
Thurso	29.23	41	41	ESE	2	P	2	Sailly	29.22	55	52	SW	9	o	7
Scarborough ...	29.21	427	446	SSE	4	P	4	London	29.41	53	57	S	6	g/f	*
Greencastle ...	28.98	446	444	E	1	o	*	Rochefort ...	29.75	57	55	SW	4	bc	5
Holyhead	29.12	57	50	SSW	5	m	3								

The depression noticed in the N. this morning appears to be travelling to the NE, and strong S & SW winds, or gales, have set in at our S. stations with equally wet weather. There appears to be no sign of any permanent improvement in the weather at present.

EXPLANATION OF COLUMNS.

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

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WEATHER CHARTS for 8 a.m on Sunday DEC 31st 1876.



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

R. H. SCOTT,
Director.

Dangerfield, Lith. 22, Bedford St. Covent Garden.

SUMMARY OF WEATHER IN WESTERN EUROPE

from DEC^r 24th 1876 to DEC^r 31st 1876.

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

During the first two days of this period, the highest pressures were found in the N. the lowest in the S. and E^{ly} winds with snow prevailed, but on the morning of the 25th a complete change was in progress, the highest readings moved S^{wd} to North Germany, while in the S. of Ireland a brisk fall set in, so that the winds shifted to S. and an extraordinary rise of temperature took place. From that time the region of highest pressure was stationed in the S. and numerous depressions have passed in rapid succession from SW. to NE. over our area, bringing very heavy S^{ly} gales to all our coasts, with very large quantities of rain causing severe floods. Temperature has been very high for the time of year, and has not changed much except in the Gulf of Bothnia where it has oscillated considerably. On the 31st the difference of temperature between Haparanda and Vainriky was as much as 66°.

DEC^r 24th The barometer was rising at all our stations, and a small depression, which lay over our SE^m stations was apparently filling up. The severe gales which during last week had been felt on our E. and NE. coasts, had almost entirely subsided, though strong E^{ly} breezes still prevailed on both shores of the North Sea and light winds from the same quarter in the NW. Over France and our SW^m stations the wind was W^{ly}. Temperature had changed irregularly, and the amount of cloud was very unevenly distributed. At many stations snow was falling, and the amount collected in London was particularly large. Later reports showed a further general rise of the mercury and the depression in the SE. became shallower.

DEC^r 25th The barometer still rose in all parts of NW^m Europe - most at our NW^m stations. An area of high readings still lay over the South of Sweden, while a large shallow depression existed over the Channel and the N. of France. E^{ly} breezes prevailed on all our coasts, but gradients having become slighter they were only fresh to strong in force. Over France W^{ly} to NW^{ly} winds still held. Temperature had not changed much but the weather though overcast and snowy generally had become clear in the N. During the day no change occurred in the distributions of pressures.

DEC^r 26th The barometer had ^{continued} to rise over the E^m shores of the North Sea, France and many of our E^m stations but since midnight a brisk fall had occurred in the SW. which had extended in a few degrees to most of our NW^m stations. The highest pressures lay over Denmark and N. Germany, so that gradients for S^{ly} winds had been formed over us, and the winds had suddenly backed to that quarter generally. In the SE. it was light in force, but became fresh in the N. and W. and increased to a fresh gale at Scilly and Valentia. Temperature had fallen over Central England, the Netherlands and France, and slight frost was experienced in some places, but in the N. a rise of several degrees was reported. Rain was falling in the SW. and the sky was generally cloudy, while at Aberdeen snow still continued. Later Reports showed that the barometer still fell briskly in the W. and S^{ly} gales or strong winds were experienced on all coasts.

DEC^r 27th The fall of the barometer had extended to all parts of our Islands, and in a less extent to the stations to the E^m of the North Sea. A large irregular disturbance lay to the NW^m of the British Isles and very steep gradient prevailed between the Scotch and Norwegian coasts. The wind had blown with the force of a

strong gale from S. over the whole of these Islands during the night, and moderate gales or very strong breezes from the same quarter were still reported at dawn. Temperatures had increased except over Denmark and North Germany. The weather was very wet and dull, and heavy rain and snow had fallen. During the day the area of lowest pressure moved N^W and the wind veered to SW, though without moderating much, and the barometer rose somewhat in the SW.

DEC 28th The barometer was rising though very slowly over nearly the whole of England and Ireland, while it was falling somewhat over Scotland, and quickly in Norway and Denmark, while at Valentia also a slight decrease had set in during the night. The lowest readings were reported from Scotland and the wind was SW^{ly}, except in the N. of Norway, where the direction was SE. It blew with the force of a moderate gale at all the more N^{orthern} stations, and of a fresh gale in the S. of Norway, and the S^{ea} of Rügen, but at our N^{orthern} ports it was light in force. Temperature had again risen generally, about 10° at our E^{astern} stations, and as much as 30° over N. Germany. Rain had been general and in some places heavy, and snow was falling in Norway. The weather was very dull and wet. During the day the barometer ~~the barometer~~ was rising slowly in all places except Scandinavia.

DEC 29th The depression from Scotland had moved on E^{ast} so that the barometer had risen briskly at our N^{orthern} and E^{astern} stations, while it had fallen fast over Norway and Sweden. At the same time a new and brisk decrease had set in in the S. of Ireland, and a deep depression was apparently advancing on those coasts. The wind was light from SW to N. except in the SW where a fresh S^W breeze was blowing, and at Corunna, where a very hard S^W gale prevailed. Temperature had fallen from 10° to 15° over Central England, and slightly in most places. The sky was overcast or cloudy generally, and the weather continued wet and unsettled. Later reports showed that the depression had advanced up the St George's Channel, causing W^{est} gales in the English Channel and strong S^W winds in the E.

DEC 30th The depression we have just noticed had passed across England during the night, and at 8 am. lay over the North Sea, but the barometer was still falling on all coasts; very briskly in the SW. The wind had backed from W. to S. generally, and blew with the force of a gale in the N. of England, and very strongly at all the more N^{orthern} ports, and a large depression was advancing upon us from the Atlantic. Temperature had changed much except in the Gulf of Bothnia, where it had fallen fast. In the SW the thermometer was still high, and at Biarritz registered 64°, a difference of 66° between that station and Kaparanda. A great deal of rain had fallen and the sky was overcast. During the day the depression from the W. travelled slowly NNE^{ward} a fresh to strong S^W gale, ever experienced over nearly the whole country.

DEC 31st Two depressions were still shown one passing away E^{ast} over Scandinavia, the other travelling slowly N^{orward} along our N^{orthern} coasts, and the barometer was falling everywhere. The former disturbance was slight, and the winds round it light, but the latter had caused steep gradient, and the wind though moderating somewhat still blew a strong gale from the S^W in the SW and a very strong breeze elsewhere. Temperature had risen generally but the sky continued overcast, and the weather wet and unsettled. In the evening the conditions were very complicated, the depression of the 29th lay apparently over the Baltic, ^{of a new disturbance} that of the 30th a little to the E^{ast} of Scotland, while on our NW coast, there were indications, approaching, the wind was blowing a hard gale from NE of Scotland, and fresh gales or strong breezes from SW over England and during the night the weather was very stormy.

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

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR DEC^r 1876

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.	
				Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from yesterday.	Dry.	Wet.				Max.	Min.		
1 st	Haparanda.	29.99	23	S	2	o	29.61	+14	14	14	S	2	o	*	*	0.24	
"	Hennosand.	29.86	26	Z	0	b c	29.65	+24	22	22	Z	2	b c	*	*	0.04	
"	Stockholm.	29.62	30	N W	2	o	29.72	+37	24	23	N W	2	b c	*	*	0.04	
"	Wistby.	29.66	38	N W	6	o	29.81	+35	35	31	N W	6	b c	*	*	0.05	
4 th	Sumburgh Head	29.21	40	E S E	4	o	28.97	-54	40	39	E S E	4	o	41	38	0.05	
"	Thurso.	28.96	40	E S E	8	N	28.72	-61	44	43	E S E	8	N	46	39	0.66	
"	L'Oriont.	28.95	55	SW	4	N	28.82	-38	52	48	SW	4	N	51	39	0.83	
5 th	Haparanda.	30.00	19	N	2	b	30.08	+31	0	1	N	2	o	*	*	0.00	
"	Hennosand.	29.91	15	N W	2	o	29.93	+08	28	27	N W	2	o	*	*	0.00	
"	Stockholm.	29.78	26	E	6	o	29.78	+03	29	28	E	6	o	*	*	0.00	
"	Wistby.	29.77	28	E	6	o	29.76	+01	26	26	E	6	o	*	*	0.00	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.08	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.10	
6 th	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.08	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.10	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.08	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.10	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.08	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.10	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.08	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.10	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.08	
"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.10	
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"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.10	
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"	Skagen.	29.32	32	SE	9	S	29.30	-20	34	32	SE	9	S	32	28	0.08	
"	Skagen.</																

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

DATE.	STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 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.			
26 th	Skagen	30.28	22	Z	0	0	30.22	+0.9	21	18	+1	N S W	3	0	6	3	18	-		
	Jaro	30.28	22	NE	4	0	30.40	+2.8	21	20	+1	Z	0	0	3	19	-			
	Sunningburg H ^t	30.21	34	S S E	2	0	30.17	+0.3	36	33	+3	E	0	0	3	31	-			
	Yarmouth.	29.94	38	E N E	7	0	30.20	+4.4	29	38	-6	E	4	5	5	28	-			
	Corunna	*	*	*	*	*	29.99	?	50	*	?	?	2	2	5	*	-			
27 th	Haparanda	29.77	18	SW	4	5	29.88	-1.0	-4	-5	-2	W	2	5	*	0.12				
	Hernösand	30.08	13	S S W	2	0	30.10	-0.7	21	21	+23?	SW	2	5	*	*				
	Stockholm	30.27	5	Z	0	0	30.26	+2.4	11	10	+23?	SW	2	5	*	*				
	Widby	30.32	23	W N W	4	0	30.39	+0.9	26	?	+2	W S W	2	5	*	*				
	Skudönäs	30.25	28	SE	4	0	30.11	-1.9	29	27	+2	SE	6	5	2	21				
	Sunningburg Head	30.05	37	S S E	6	0	29.62	-7.5	35	35	-1	SE	9	5	34	30	0.04			
	Corunna	*	*	*	*	*	29.98	-0.1	56	*	+6	SW	9	5	32	25	*			
28 th	Christiansund	29.88	29	SE	3	0	29.44	-6.2	32	30	-1	E S E	1	4	32	25	*			
	Skudönäs	29.83	32	SE	3	0	29.41	-7.0	33	30	+4	E S E	3	6	32	28	-			
	Cox	30.02	29	SE	3	0	29.65	-6.4	30	29	+3	E S E	3	6	32	27	-			
	Skagen	30.16	26	S	3	0	29.72	-6.6	26	25	+8	S	3	6	32	16	0.04			
	Jaro	29.82	20	SE	3	0	29.65	-6.4	39	30	+30	W S W	4	5	36	9	0.04			
	Sunningburg Head	29.43	40	SE	8	5	29.06	-5.6	38	38	+3	N	2	5	40	33	0.20			
	Corunna	*	*	*	*	*	29.74	-2.4	40	*	-6	N	9	5	40	33	*			
29 th	Christiansund	29.30	33	S	2	0	29.26	-1.8	32	30	0	S S W	2	5	34	29	*			
	Sunningburg H ^t	29.10	42	N	2	0	29.39	+3.3	41	39	+3	N W	1	2	45	38	0.01			
	Corunna	*	*	*	*	*	29.88	+4.4	59	*	0	S	12	0	45	*	*			
30 th	Sunningburg Head	29.53	39	E S E	1	0	29.47	+0.8	41	38	0	E S E	3	3	41	34	*			
31 st	Sunningburg Head	29.23	40	E	4	0	29.03	-4.4	40	37	-1	NE	3	6	42	35	0.08			
CORRECTIONS																				
1 st	Stornoway	-	-	-	-	-														