

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY — 30TH JUNE,

1878.



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

Wm. & A. S. Phillips, Lith. London.

DAILY WEATHER REPORT JUNE 1st 1878.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda	29.47	48	E	4	r	29.67	+ .23	49	46	- 5	S	2	δ	*	57	41	-	
Hernösand	29.23	43	ESE	4	r	29.43	+ .26	42	41	- 4	E	6	r	*	*	*	0.32	
Stockholm	29.45	46	SW	6	δ	29.43	+ .09	49	43	- 1	SSW	6	δ	*	*	*	-	
Wisby	29.62	48	W	8	δ	29.57	- .02	46	42	0	WSW	9	δ	*	*	*	-	
Christiansund	29.45	46	NNW	6	r	29.53	- .07	46	45	+ 2	NNW	5	0	5	46	34	0.59	
Skudesnaes	29.71	46	NN	6	0	29.62	- .08	48	46	+ 5	NN	4	r	4	?	43	-	
Oxö (Xiansand)	29.58	48	NNW	4	δ	29.50	- .17	51	46	+ 3	W	5	c	3	?	43	-	
Skagen (The Seaw)	29.54	45	NNW	9	δ	29.47	- .14	49	45	- 1	NNW	8	0	7	54	41	-	
Fanö	29.79	47	NNW	6	c	29.79	- .12	54	48	+ 2	W	6	0	*	54	45	0.04	
Cuxhaven	29.95	54	NNW	3	c	29.99	- .11	54	50	+ .1	NN	3	δ	*	54	46	-	
Sumburgh Head	29.94	44	N	5	r	29.96	.00	45	44	0	N	6	r	6	49	41	0.05	
Stornoway	30.09	50	N	4	c	30.09	.00	50	46	0	N	4	δ	4	51	40	-	
Thurso	30.05	49	NNW	4	c	30.03	.00	49	46	+ 1	NNW	4	0	5	53	44	0.02	
Wick	30.04	45	N	3	c	30.03	.00	48	44	0	NNW	3	δ	2	56	40	0.01	
Nairn	30.06	50	NN	2	δ	30.08	+ .03	48	42	0	NN	2	c	0	54	42	-	
Aberdeen	30.02	52	NNW	3	δ	30.02	- .03	49	44	0	NNW	4	c	2	55	41	-	
Leith	29.99	55	E	3	δ	30.05	+ .01	55	51	+ 2	NE	1	δ	*	59			
Shields	30.09	52	ESE	2	δ	30.07	.00	49	45	- 1	NNE	1	δ	3	54			
Scarborough	30.03	48	ESE	2	m	30.05	- .01	53	48	+ 3	N	3	δ	3	55			
York	30.05	45	E	1	r	30.06	- .01	50	45	- 2	NE	1	δ	*	60	42	0.04	
Nottingham	30.00	56	NE	3	0	30.07	+ .01	52	48	- 4	NE	3	δ	*	73	11		
Ardrossan	29.99	58	NNW	4	δ	30.04	- .01	56	48	+ 2	NNE	2	δ	1	60	40	-	
Greencastle	30.09	52	NNW	2	δ	30.02	- .06	54	51	+ 2	E	2	δ	*	56	49	-	
Donaghadee	30.04	53	N	3	δ	30.04	- .04	54	52	+ 2	NE	2	δ	1	58	44	-	
Kingstown	30.03	60	E	2	δ	30.04	- .07	52	49	+ 2	NNW	3	0	4	60	46	-	
Holyhead	30.00	55	NNW	3	δ	29.99	- .07	55	54	+ 4	NE	2	δ	1	58	47	-	
Liverpool (Bidston)	29.98	57	NN	1	δ	30.03	- .02	52	49	- 1	ESE	1	δ	1	61	47	-	
Valencia	30.03	59	N	2	δ	29.98	- .11	59	53	0	Z	0	δ	1	61	43	-	
Roche's Point	30.05	62	SE	3	δ	30.02	- .09	56	51	+ 1	SE	2	δ	2	67	50	-	
Pembroke	29.99	55	N	2	δ	29.97	- .07	53	52	0	Z	0	δ	1	59	46	-	
Portishead	29.94	63	NNW	1	δ	30.00	- .04	52	50	0	N	4	0	4	68	49	-	
Scilly	30.01	56	ESE	4	c	29.99	- .05	58	55	+ 3	ESE	3	δ	1	58	53	-	
Plymouth	29.97	58	S	2	δ	29.93	- .11	56	54	+ 1	Z	0	δ	*	63	45	-	
Hurst Castle	29.95	62	S	1	δ	29.98	- .05	57	55	+ 4	ESR	1	δ	1	64	49	-	
Dover	29.96	55	NE	3	c	29.97	- .08	54	51	0	E	2	c	1	58	51	-	
London	29.97	60	E	1	δ	29.99	- .07	55	53	+ 2	ESE	2	0	*	59	49	-	
Oxford	*	*	*	*	*	30.02	- .04	48	47	- 4	NE	2	0	*	62	48	-	
Cambridge	29.95	60	SE	1	c	30.03	- .02	46	45	- 7	NE	1	r	*	66	44	0.03	
Yarmouth	29.99	63	ESE	3	δ	30.02	- .04	51	47	0	N	3	δ	3	55	46	0.14	
The Helder	*	*	*	*	*	29.99	- .06	48	46	- 5	NNW	1	δ	*	*	*	0.04	
Cape Gris Nez	29.95	55	NE	3	δ	29.99	- .04	52	52	+ 2	ESE	1	0	0	59	46	-	
Jersey	29.93	58	ESE	3	δ	29.99	- .01	60	57	+ 4	NE	1	δ	1	61	51	-	
Brest	29.97	?	NE	4	δ	30.01	+ .03	52	52	- 2	E	3	m	3	63	46	-	
L'Orient	29.96	63	NNE	3	m	29.98	+ .08	57	55	+ 2	NE	2	δ	2	68	52	-	
Rochefort	29.79	63	SE	3	r	29.91	+ .10	61	59	+ 2	?	2	δ	3	66	54	0.16	
Biarritz	29.82	64	WSW	3	c	29.99	+ .21	59	55	0	WSW	4	0	3	70	55	0.04	
Corunna	*	*	*	*	*			*	*					*	*	*	*	
Brussels	*	*	*	*	*	29.97	- .06	51	47	- 3	E	2	c	*	64	45	-	
Charleville	*	*	*	*	*	29.87	- .07	56	*	0	N	1	c	*	*	*	*	
Paris	29.85	65	NE	3	δ	29.95	- .05	56	51	+ 2	NE	2	δ	*	*	*	-	
Lyons	*	*	*	*	*	29.87	- .09	61	*	+ 1	SW	2	0	*	*	*	*	
Toulon	29.95	54	E	5	r	29.92	- .10	59	55	+ 4	W	1	c	2	59	54	0.28	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.68	46	41	NN	8	c	1	Valencia	30.07	59	53	N	1	c	2
Thurso	30.04	49	46	NNN	4	bc	5	Scilly	30.03	57	54	NE	3	om	2
Scarborough ...	30.04	50	48	ESE	1	bc	1	London	29.99	61	55	E	2	bc	*
Greencastle ...	30.07	55	50	N	2	δ	*	Rochefort ...	29.79	62	61	E	3	r	3
Holyhead	30.03	55	52	NNN	2	δ	1								

The weather is very fine in our Islands, and excepting at the SE^m stations, pressure is changing very little.

EXPLANATION OF COLUMNS.

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

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

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

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

SUMMARY OF WEATHER IN WESTERN EUROPE

from MAY 26th to JUNE 1st 1878.

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

The distribution of pressure during this period has undergone considerable changes. On the first two days the barometer was highest over France, and N^W to S^W winds with rather cloudy and showery weather prevailed. On Tuesday, however, an area of low pressure had appeared over the N^W of France, while the highest readings lay off our north and west coasts, in consequence the winds had changed to NE and N, though without occasioning much fall of temperature, the weather at the same time became finer in the west. The depression from the north-west of France subsequently passed E^W up the Channel to N. Germany and the Baltic, causing a good deal of rain and strong N^W breezes over England. The centre subsequently moved in a N^W and N^E direction, and on Saturday it lay over Sweden. On Thursday an area of high pressure had spread eastwards over these Islands and from that time until the close of the week readings in the United Kingdom were high and very uniform. Very light airs prevailed generally from N. to E. with fair, dry weather. Temperature has been low for the season. —

MAY 26th Pressure was increasing over nearly the whole of our area, but was unsteady at the most N^W stations. Readings varied from 30.12 ins. at Bismitz to 29.29 ins. at Christiansund. Wind was N^W on our own and the French coast and over the North Sea, but drew into S^W and S. in London; it was moderate or light in force in most places. Temperature had fallen slightly in the east of France, risen elsewhere, it was very uniform over these Islands ranging from 58° to 52°. Weather was fine in the N. and NE. as well as in Denmark and north Germany, but dull elsewhere with showers on our S^W coast. Pressure decreased somewhat over France during the day, but in these Islands the changes were very slight, and the general distribution was unaltered. A solar halo was seen at Nottingham, and "visibility" was reported from Aberdeen.

MAY 27th The mercury had risen briskly over Scandinavia and Denmark, and slightly on our N^W and E^W coast, but in the N. and S. it had fallen. The highest pressure (29.9 ins.) now lay over France and Germany, while a large area of comparatively low readings (29.7 ins.) lay over Ireland, Scotland and the N^W of England. Wind had consequently backed to the S^W over England, while at our N^W and N^W stations it was light and variable. Temperature was rather lower over these Islands and higher on the Continent than on the 26th, varying from 56° to 48° at our stations. Weather was still fine at many of the N^W stations, but continued cloudy elsewhere with rain in some places. Later reports showed a slight fall of the mercury in the S. and rise in the N. so that readings became exceedingly uniform and the winds very light, the weather, however, remained dull and showery, with thunderstorms in the NE. and heavy rain at some of the western ports.

MAY 28th The mercury had fallen somewhat over our S. coast, the N. of France, the Netherlands and North Germany, while it had risen in all other places. A large but very shallow depression had advanced to the mouth

of the Channel and NW. of France, but gradients were very slight over the whole of the Europe. Winds were very light on all coasts, they were $N\frac{1}{2}E$ over the Bay of Biscay, $E\frac{1}{2}N$ in the Channel, $N\frac{1}{2}E$ in the S. of Ireland and very variable elsewhere. Temperature was very little changed over the United Kingdom, but was rather higher in Sweden and lower in the coast of France than on the 27th. It varied from 57° to 49° over these Islands. Weather was very fine over the greater part of the country. During the day the depression from the SW. moved slowly $E\frac{1}{2}N$ over the N. of France, and though the weather continued fair generally rain fell over all the SW. parts of England and was exceedingly heavy at Kew.

MAY 29th Pressure had increased over these Islands and France but decreased on the E. shore of the North Sea, the depression noticed over the Channel on the 28th was found over North Germany, while a smaller anticyclone lay over the Straits of Dover and Pas de Calais; the highest readings were reported from the N. of Ireland. Wind was $N\frac{1}{2}E$ at most stations, $NW\frac{1}{2}E$ in the Bay of Biscay, and $SW\frac{1}{2}E$ in the E. of France, and was moderate to force. Temperature has fallen a few degrees in the E. of England and over the Netherlands, but risen slightly elsewhere. Weather was clear at some of the western ports, overcast in most other places, with steady rain in the S. and SE. Later in the day the barometer rose everywhere as the North German depression travelled to the Baltic; the general distribution of pressure, however, remained little changed and $N\frac{1}{2}E$ breezes continued.

MAY 30th The disturbance was growing deeper and had begun to move ^{over the Baltic} $NW\frac{1}{2}E$ and the barometer fell briskly over Scandinavia and slightly over the north of these Islands, while a new shallow depression appeared over the NW. of France and caused an unsteadiness in pressure over that region. A large area of uniformly high readings lay over the British Isles and France. Wind was light and rather variable on most of our coasts but in the NE. of Scotland as well as over the North Sea fresh to moderate $NW\frac{1}{2}E$ breezes were reported, and a $N\frac{1}{2}E$ gale at Kirkby. Temperature had changed rather irregularly, and the readings at 8 am varied from 61° at Valentia to 54° at Biarritz and to 47° at Seaburn Head. Weather was moderately fine except at the Central and SE. stations. During the day the barometer fell slowly and uniformly but no important change was shown beyond an increase in the strength of the winds on the E. shore of the North Sea.

MAY 31st A large area of uniformly high pressure still lay over these Islands (30.0 in.) and the barometer within that region was changing slightly, but both in Sweden and the SW. of France the mercury was falling briskly, the disturbance having moved $NW\frac{1}{2}E$ over the Baltic. A fresh depression appeared over the Bay of Biscay (29.8). Wind was light or moderate from E on most of our coasts, fresh from the same quarters over France, while a moderate to fresh $N\frac{1}{2}E$ gale blew in the S. of Scandinavia. Temperature was rather higher at the S. and lower at the N. stations, it varied from 59° to 45° over these Islands. Weather was fine and very dry. Very little change occurred during the day; at 6 P.M. the wind was very variable. A fine waterspout was seen about 1 mile to the SW. of Ashby Parva Leicestershire from 4.30 to 4.35 P.M.

JUNE 1st Pressure had increased briskly in the SW. of France, while it had changed little and irregularly over these Islands; in consequence readings had become exceedingly uniform, over the whole of the more NW. part of our area. The Baltic depression (29.4 in.) now lay over Scandinavia and was being filled up, so that moderate gradients existed there and over the North Sea. Wind was very light from N. to E. on our own and the French coasts, but strong $N\frac{1}{2}E$ winds still prevailed over Denmark, Sweden and the S. of Norway. Temperature had fallen a few degrees over Central England, almost unaltered elsewhere. Weather was fine, and no rain had fallen except in the SW. of France, the E. of England and over Norway. There was no change of importance to record at 6 P.M. —

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT

JUNE 2nd

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.73	52	N	2	o	29.70	+ .03	48	46	- 1	NE	2	+	*	54	43	-	
Hernösand ...	29.56	41	E	4	c	29.48	+ .05	42	40	o	NW	6	+	*	4	*	0.20	
Stockholm ...	29.42	42	SW	4	c	29.65	+ .22	48	43	- 1	WSW	4	0	*	*	*	0.24	
Wisby ...	29.57	49	SW	8	o	29.66	+ .09	49	47	+ 3	W	6	+	*	*	*	0.04	
Christiansund ...	29.64	48	NNW	2	b	29.75	+ .22	51	48	+ 5	W	2	c	?	?	?	-	
Skudesnaes ...	29.72	48	NW	8	o	29.81	+ .19	50	44	+ 2	NN	6	o	3	50	48	-	
Oxö (Klansand) ...	29.54	57	NNW	6	7	29.70	+ .20	53	46	+ 2	NNW	2	0	2	61	46	-	
Skagen (The Saaw) ...	29.56	51	L	o	c	29.71	+ .24	54	50	+ 5	NE	2	c	0	57	45	-	
Fanö ...	29.82	50	W	6	o	29.89	+ .07	51	48	- 3	NNW	6	o	*	55	46	0.04	
Cuxhaven ...	29.93	54	NW	3	c	29.98	+ .08	52	50	- 2	NW	5	o	*	54	48	-	
Sumburgh Head ...	29.94	47	W	5	bc	29.97	+ .07	46	45	+ 1	N	3	c	4	51	39	-	
Stornoway ...	30.05	49	ENE	6	b	30.01	- .08	50	49	o	ENE	3	c	4	53	39	-	
Thurso ...	30.04	50	NNW	3	c	30.01	- .02	50	48	+ 1	NNE	2	o	4	55	45	-	
Wick ...	30.03	51	N	3	bc	30.02	- .01	51	48	+ 3	N	2	o	o	53	38	-	
Nairn ...	30.04	54	NE	2	b	30.03	- .05	50	45	+ 2	L	o	6	0	59	44	-	
Aberdeen ...	30.03	51	NNW	3	bc	30.03	+ .01	50	46	+ 1	NNW	2	bc	1	53	39	-	
Leith ...	30.05	51	NE	1	b	29.99	- .06	53	49	- 2	ENE	1	6	*	57	44	-	
Shields ...	30.06	50	ENE	1	b	30.04	- .03	51	45	+ 2	S	2	bc	2	52	43	-	
Scarborough ...	30.02	48	N	2	b	30.05	bc	50	47	- 3	SE	1	bc	2	54	45	-	
York ...	30.05	57	SE	2	b	30.05	- .01	48	45	- 2	SE	1	6	*	60	40	-	
Nottingham ...	30.04	58	SE	2	b	30.06	- .01	58	51	+ 6	S	4	6	*	65	40	-	
Ardrossan ...	30.00	59	NNW	1	b	29.97	- .07	57	51	+ 1	NE	1	6	0	62	44	-	
Greencastle ...	29.99	58	NE	2	b	29.94	- .08	57	51	+ 3	ENE	2	6	*	64	44	-	
Donaghadee ...	29.99	55	S	1	b	29.96	- .08	56	54	+ 2	S	1	bc	0	59	46	-	
Kingstown ...	30.00	59	E	3	b	29.95	- .09	56	52	+ 4	SSE	4	bc	3	59	50	-	
Holyhead ...	29.97	60	NNE	2	b	29.96	- .03	57	55	+ 2	SW	1	m	0	66	53	-	
Liverpool (Bidston) ...	29.99	60	SSE	1	b	30.00	- .03	54	51	+ 2	SE	2	o	1	63	47	-	
Valencia ...	29.94	57	SSE	3	o	29.89	- .09	56	53	- 3	ESE	2	cm	3	61	47	-	
Roche's Point... ..	29.99	60	SSE	3	c	29.93	- .09	56	53	o	SE	3	o	3	66	49	-	
Pembroke ...	29.97	59	SE	1	c	29.95	- .02	54	52	+ 1	ESE	4	o	3	62	50	-	
Portishead ...	30.00	56	ENE	4	m	30.00	o	52	49	o	SE	3	o	2	57	48	-	
Seilly ...	29.97	58	ESE	1	o	29.93	- .06	56	56	- 2	SE	3	6	1	62	55	-	
Plymouth ...	29.98	61	L	o	bc	29.95	+ .02	55	54	- 1	E	3	o	*	65	52	0.01	
Hurst Castle ...	30.02	57	SE	4	o	29.99	+ .01	56	54	- 1	ESE	4	o	2	62	50	-	
Dover ...	30.07	52	ESE	3	b	30.08	+ .11	56	50	+ 2	E	3	b	2	58	48	-	
London ...	30.05	57	ESE	1	bc	30.04	+ .05	56	51	+ 1	SSE	2	c	*	59	42	-	
Oxford ...	*	*	*	*	*	30.04	+ .02	53	48	+ 5	L	o	o	*	57	48	-	
Cambridge ...	30.05	58	NE	1	b	30.07	+ .04	53	50	+ 7	ENE	1	6	*	64	37	-	
Yarmouth ...	30.06	54	NNE	2	b	30.09	+ .07	52	48	+ 1	NE	1	6	2	55	44	-	
The Helder ...	*	*	*	*	*	30.06	+ .07	52	48	+ 4	NNW	1	c	*	*	*	0.12	
Cape Gris Nez ...	30.05	52	ENE	3	bc	30.05	+ .06	52	48	- 2	E	2	b	1	57	46	-	
Jersey ...	30.00	59	ENE	2	bc	29.98	- .01	56	56	- 4	E	1	m	1	67	54	0.64	
Brest ...	30.02	64	L	o	m	30.00	- .01	55	54	+ 3	N	1	o	3	64	50	0.16	
L'Orient ...	29.99	61	NN	2	m	29.97	- .01	59	57	+ 2	N	1	m	1	72	54	0.04	
Rocheport ...	29.99	66	NW	1	bc	30.02	+ .11	61	59	o	SW	3	o	3	70	55	-	
Biarritz ...	30.01	64	L	o	c	29.98	- .01	63	61	+ 4	ENE	1	bc	3	66	61	-	
Corunna ...	*	*	*	*	*	30.02	- .03	64	*	+ 2	SW	3	cp	1	*	*	*	
Brussels ...	*	*	*	*	*	30.08	+ .11	51	47	o	NNW	2	bc	*	59	43	-	
Charleville ...	*	*	*	*	*	30.01	+ .14	55	*	- 1	ENE	1	6	*	*	*	*	
Paris ...	29.98	66	NNE	3	b	30.03	+ .10	57	52	+ 1	ESE	2	o	*	*	*	0.04	
Lyons ...	*	*	*	*	*	30.08	+ .21	63	*	+ 2	SE	2	+	*	*	*	*	
Toulon ...	29.97	59	W	5	m	30.05	+ .13	63	57	+ 4	W	4	b	3	63	57	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	29.67	50	46	NN	8	bc	4	Valencia	29.94	60	55	SSE	3	cm	4
Thurso	30.04	53	49	NNN	3	o	4	Seilly	30.00	60	55	ESE	2	o	1
Scarborough ...	30.07	50	45	N	2	b	3	London	30.05	55	52	ENE	2	o	*
Greencastle ...	30.02	61	55	ENE	2	b	*	Rocheport ...	29.97	68	63	NNN	2	bc	3
Holyhead	29.99	60	56	E	2	b	1								

No important change

EXPLANATION OF COLUMNS.

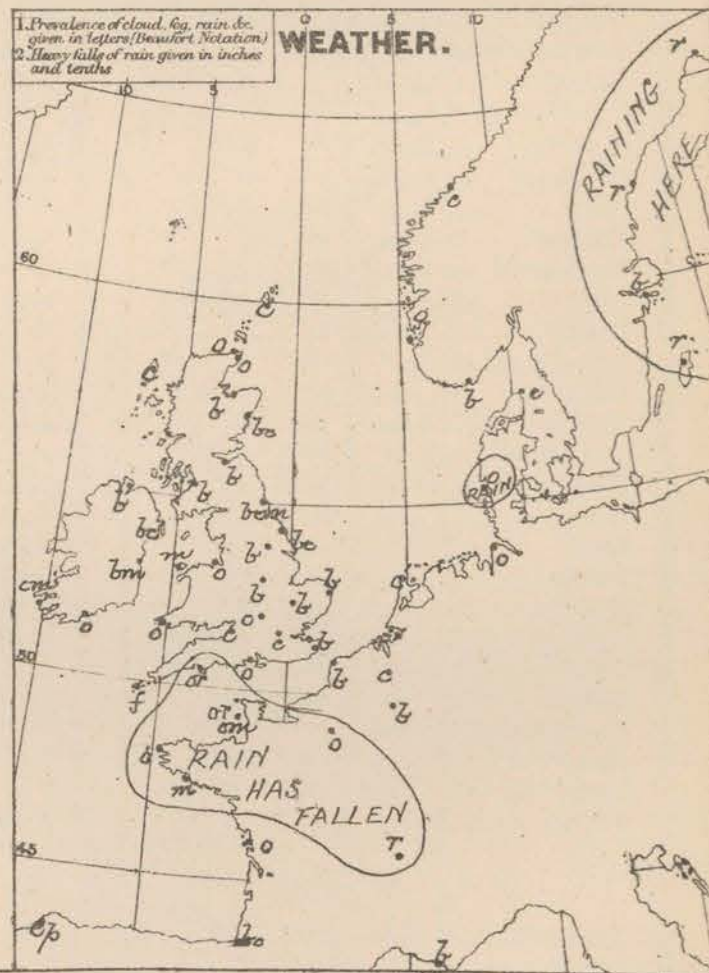
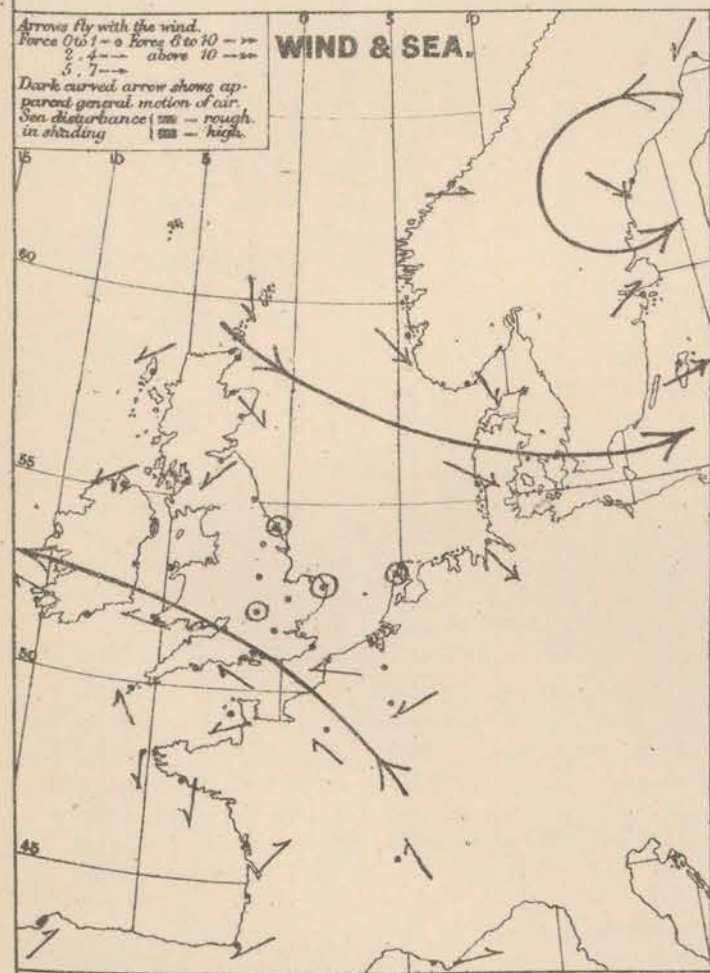
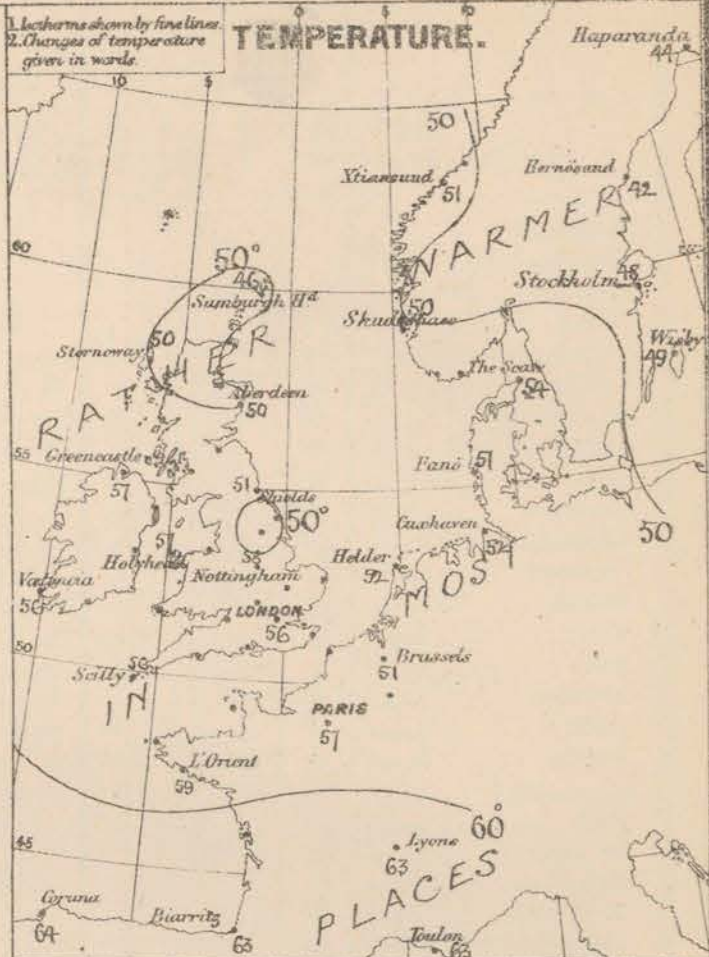
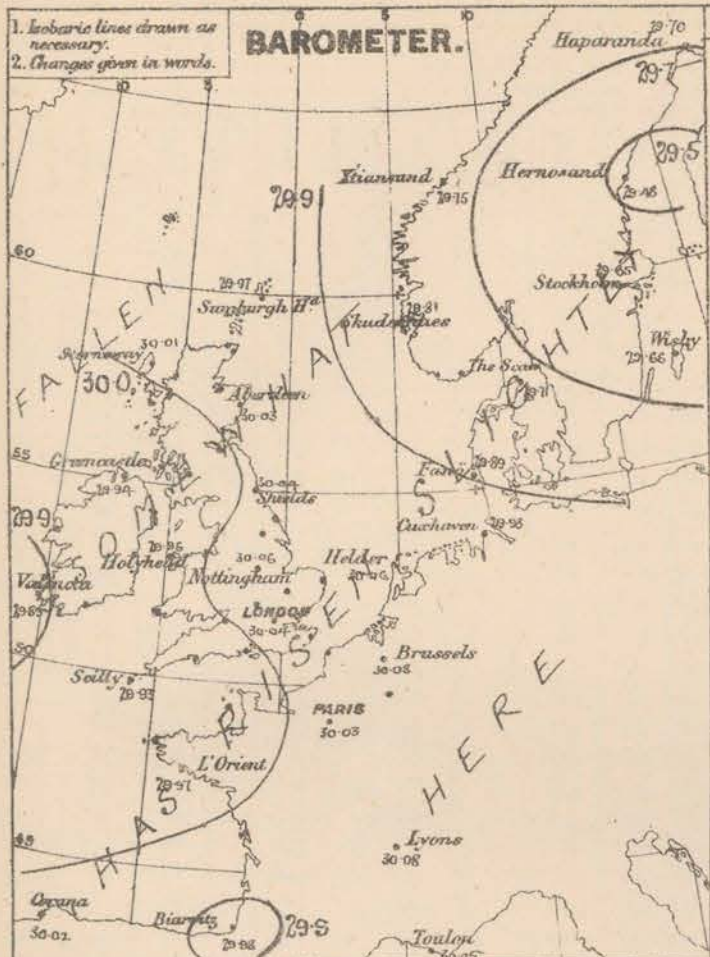
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 2ND JUNE, 1878.



REMARKS. Weather is fine at most of our N^W and E^W stations, but is very dull on our SW. coast, and on the Continent, rain is falling at Plymouth, and also in Sweden. A considerable quantity of rain fell at Lersey yesterday, and smaller amounts in Sweden and the NW. of France. Temperature has risen a little in most places, the morning over our Islands was only from 50° on our N. and NE. coasts to 56° or 57° in the W. and S. The highest maxima attained yesterday were 68° at Nottingham, 66° at Holyhead, and Poole's Pt., and 65° at Plymouth. Wind is light from the SE. in these Islands, but on the E^W shores of the North Sea, fresh NW. breezes are blowing. Sea is light or smooth on all coasts.

Barometrical Indications. The barometrical depression still lies over Sweden, but the mercury is rising in its neighbourhood. At our own stations, however, the barometer is falling slightly, and an area of comparatively low readings lies outside our SW. coast, but gradients are very slight.

DAILY WEATHER REPORT

JUNE 3RD

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...																			
Hernösand ...																			
Stockholm ...																			
Wisby ...																			
Christiansund ...	29.80	47	NW	2	c	29.75	00	46	44	- 5	WSTH	2	o	2	50	41	0.20		
Skudesnaes ...	29.87	46	NW	5	o	29.83	+ 02	47	44	- 3	NW	4	r	2	46	46	-		
Oxö (Xtiansand) ...	29.76	55	SH	4	o	29.76	+ 06	51	45	- 2	NW	4	o	2	57	45	-		
Skagen (The Seaw) ...	29.76	48	W	3	o	29.75	+ 04	51	47	- 3	W	5	o	5	64	43	-		
Fanö ...	29.96	49	W	4	o	29.92	+ 03	52	48	+ 1	W	4	c	*	54	46	-		
Cuxhaven ...	30.05	53	NW	2	c	29.99	+ 01	55	52	+ 3	NW	2	o	*	48	48	-		
Sumburgh Head ...	30.04	48	NNW	3	c	29.96	- 01	47	45	+ 1	NNW	2	c	3	51	41	0.03		
Stornoway ...	29.96	51	ENE	6	o	29.96	- 05	52	48	+ 2	ENE	4	o	4	54	44	-		
Thurso ...	30.01	52	NNE	1	c	29.98	- 03	50	47	- 3	NE	2	o	4	54	45	-		
Wick ...	30.01	50	NE	1	o	29.99	- 03	50	46	- 2	NE	1	o	2	56	44	-		
Nairn ...	30.00	52	ENE	1	o	29.98	- 05	51	45	+ 1	ENE	1	c	1	54	44	-		
Aberdeen ...	30.01	50	SSE	1	c	29.99	- 04	50	45	- 5	E	1	c	1	56	46	-		
Leith ...	29.95	51	E	3	c	29.94	- 05	49	48	- 4	E	3	o	*	57	48	-		
Shields ...	29.98	49	SE	3	r	29.94	- 10	50	49	- 1	SH	1	o	2	57	49	0.39		
Scarborough ...	29.98	53	SSE	3	c	29.95	- 10	50	49	- 1	SH	2	r	2	53	49	0.06		
York ...	29.98	57	S	2	o	29.95	- 10	48	47	- 1	S	1	m	*	65	46	0.05		
Nottingham ...	30.01	55	SSE	1	r	29.96	- 10	54	52	- 4	S	2	o	*	68	46	0.16		
Ardrossan ...	29.91	58	NE	2	o	29.92	- 05	52	50	- 5	NE	2	om	2	63	50	0.14		
Greencastle ...	29.88	57	ENE	2	o	29.89	- 05	57	55	+ 2	SE	2	o	*	66	51	-		
Donaghadee ...	29.92	54	SSE	1	c	29.92	- 04	52	52	- 4	SE	2	o	1	61	51	0.09		
Kingstown ...	29.92	56	SE	2	c	29.91	- 04	56	54	- 2	SE	2	o	1	58	53	0.01		
Holyhead ...	29.93	56	NNW	1	r	29.91	- 05	55	54	- 2	SSH	1	o	0	63	53	0.15		
Liverpool (Bidston) ...	29.94	55	SE	2	c	29.92	- 08	54	52	- 2	SE	1	o	1	61	50	-		
Valencia ...	29.89	57	SE	2	o	29.87	- 02	56	55	- 1	SSE	3	o	4	60	53	0.17		
Roche's Point... ..	29.92	66	SSE	4	o	29.91	- 02	59	55	+ 3	SSH	3	o	3	69	55	-		
Pembroke ...	29.92	55	ESE	1	o	29.93	- 02	56	55	+ 2	SE	2	o	2	62	52	0.01		
Portishead ...	29.93	53	SE	2	r	29.94	- 06	56	56	+ 4	WSTH	2	o	1	57	50	0.50		
Scilly ...	29.95	59	SH	1	o	29.96	+ 03	59	58	+ 3	SH	1	o	3	64	54	-		
Plymouth ...	29.93	56	Z	0	o	29.97	+ 02	56	54	+ 1	ESE	1	o	*	58	49	0.15		
Hurst Castle ...	29.95	59	SE	3	o	29.94	- 05	58	57	+ 2	W	3	c	2	61	54	-		
Dover ...	30.00	54	E	3	o	29.93	- 05	60	58	+ 4	E	1	o	0	60	53	-		
London ...	29.99	57	SE	2	c	29.92	- 12	56	54	- 2	SSH	1	o	*	65	57	0.01		
Oxford ...	*	*	*	*	*	29.94	- 10	54	52	+ 1	Z	0	o	*	60	49	0.06		
Cambridge ...	30.00	54	SE	1	r	29.94	- 13	53	52	- 1	E	1	o	*	63	47	0.07		
Yarmouth ...	30.05	53	SE	3	o	29.96	- 13	53	51	+ 1	ESE	3	c	3	56	49	0.01		
The Helder ...	*	*	*	*	*	29.99	- 07	57	50	+ 4	ENE	1	c	*	*	*	-		
Cape Gris Nez ...	30.01	55	E	4	c	29.95	- 10	59	57	+ 7	SH	1	c	0	61	52	-		
Jersey ...	29.96	58	NNW	2	c	30.02	+ 04	56	52	- 4	W	1	o	1	63	52	-		
Brest ...	30.02	64	SH	1	o	30.02	+ 02	57	55	+ 2	SE	1	o	3	64	54	-		
L'Orient ...	29.99	59	SH	2	m	30.00	+ 03	59	57	- 2	SH	1	o	1	66	54	-		
Rochefort ...	30.03	66	E	3	o	30.03	+ 01	61	61	- 2	W	3	r	3	68	55	0.12		
Biarritz ...	29.97	70	NE	3	o	29.99	+ 01	70	64	+ 7	ENE	3	o	3	77	?	-		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.95	- 13	58	55	+ 7	ENE	1	c	*	67	57	-		
Charleville ...	*	*	*	*	*	29.88	- 13	58	55	+ 3	SSE	1	o	*	*	*	*		
Paris ...	29.97	63	SSE	2	o	29.99	- 04	60	57	+ 3	NNW	3	o	*	*	*	0.47		
Lyons ...	*	*	*	*	*	30.09	+ 01	66	66	+ 3	SE	2	r	*	*	*	*		
Toulon ...	30.08	64	SH	3	m	30.08	+ 03	64	59	+ 1	SH	1	m	2	64	61	-		

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

Bar.	Dry.	Wet.	Wind.	Wet.	Sea.	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.87	51	46	NNW	6	c	3	Valencia			
Thurso								Scilly			
Scarborough ...								London			*
Greencastle ...						*		Rochefort ...	30.03	66	64
Holyhead									NNW	3	o

EXPLANATION OF COLUMNS.

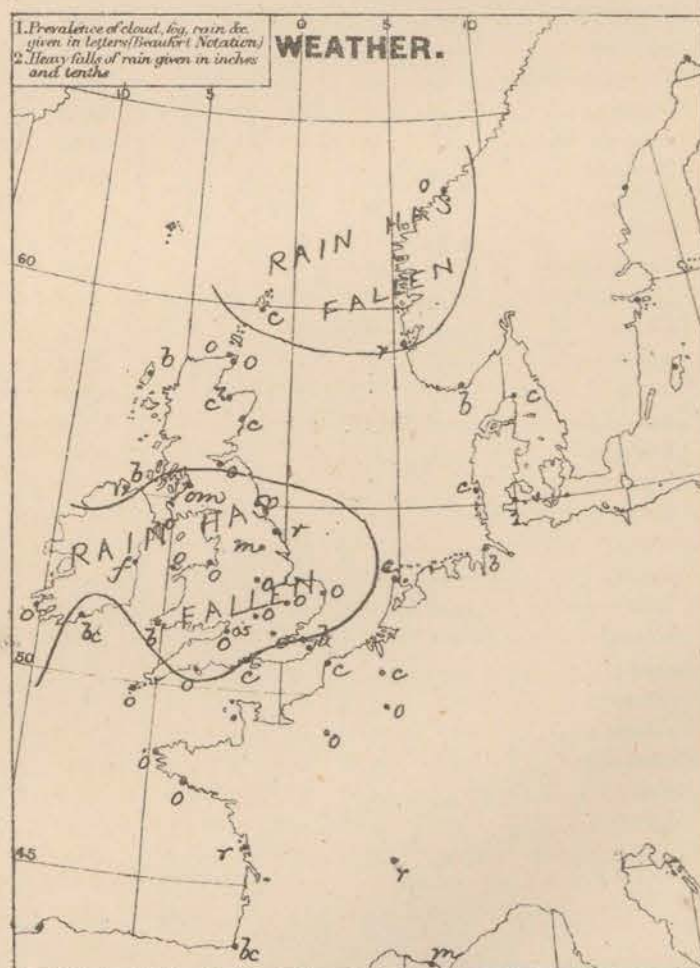
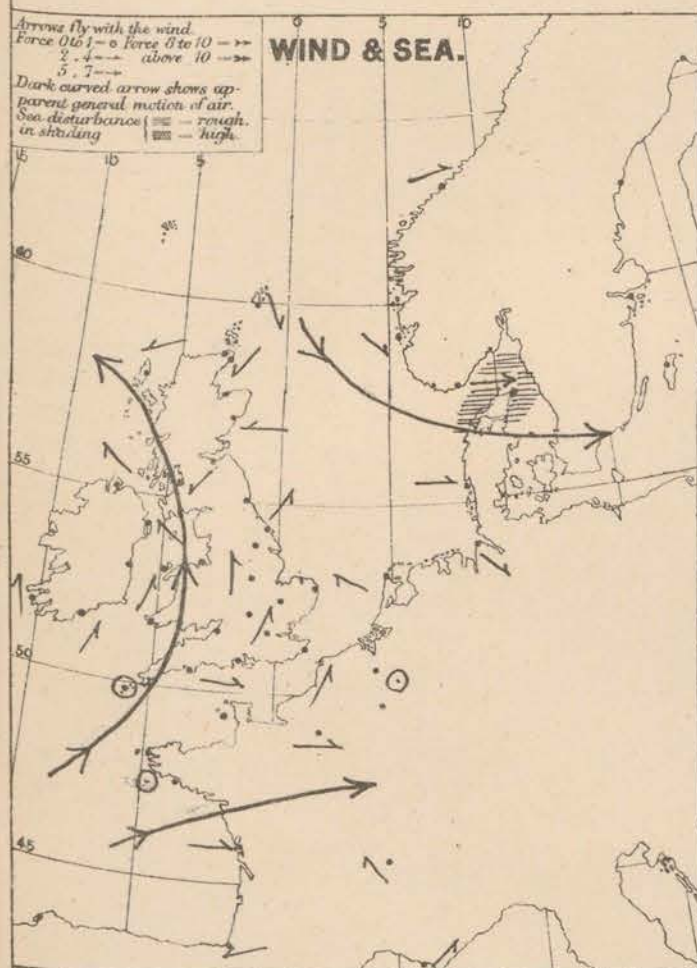
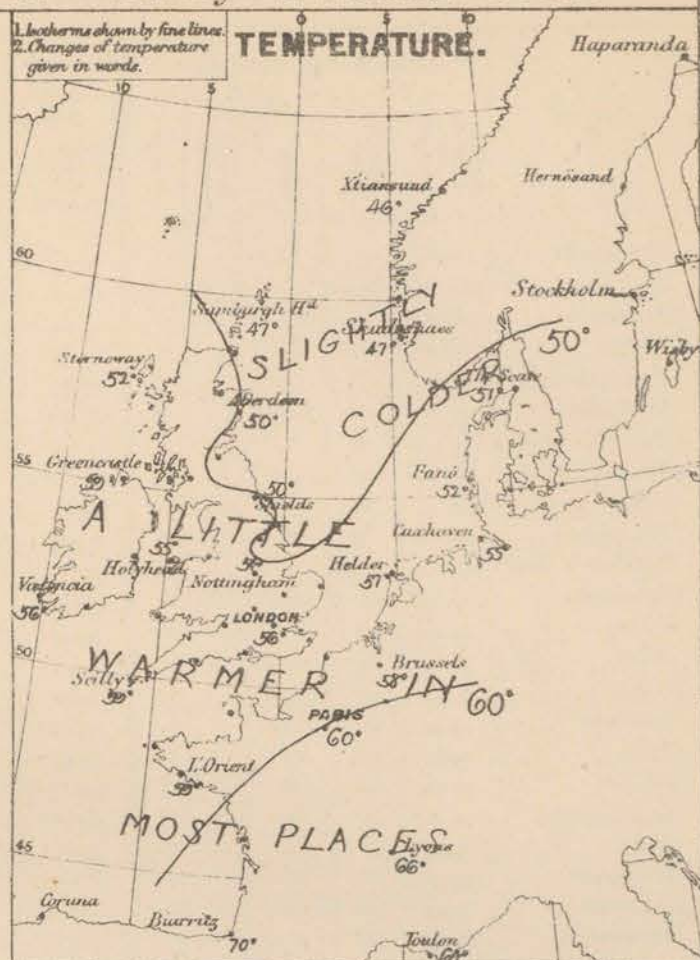
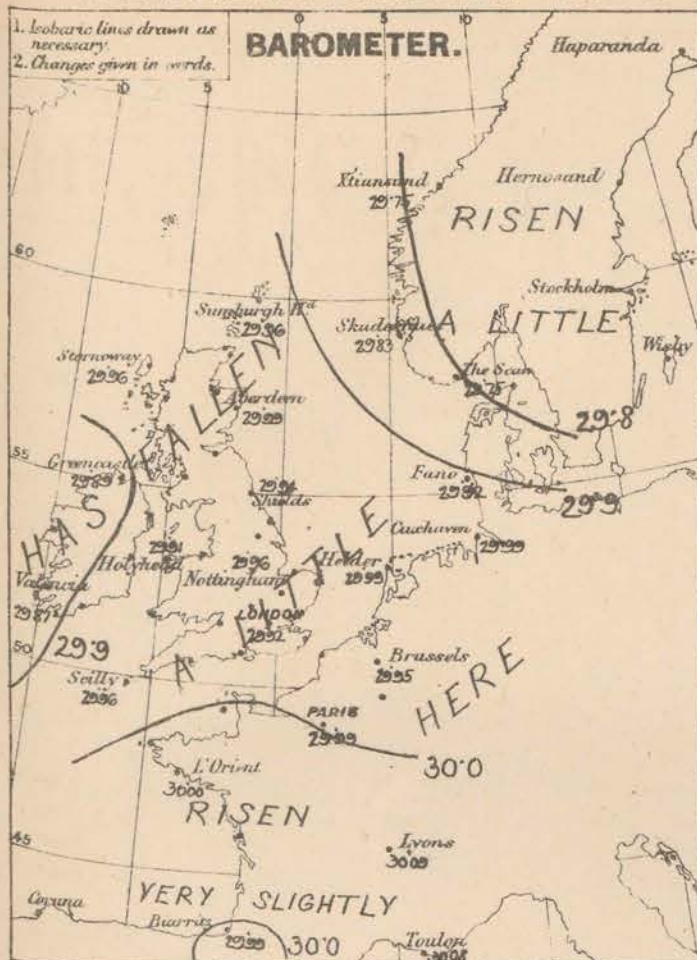
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 3RD JUNE 1878.*



REMARKS. Weather, though locally clear at a few stations, is generally cloudy or overcast with mist at Androssau, York and London, fog at Kingston and rain at Scarborough and Lyons. Half an inch of rain has fallen at Portishead, and smaller amounts in other parts of the country. A slight thunderstorm occurred at Androssau yesterday. Temperatures is changing very slightly and varies from 60° at Dover to 49° at Leith; during yesterday the thermometer in the shade rose to 77° at Birmm, to 69° at Roches Pt, to 68° at Nottingham and to 65° in London. Wind is very light on all coasts - it is NW to W on the eastern shores of the North Sea but SE to E at most of our stations. Sea is moderate to slight.

Barometrical Indications. Pressure is increasing in the south west of England and west of France, decreasing elsewhere; the changes are however very slight, and readings are exceedingly uniform over the whole of Western Europe.

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

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT

JUNE 4th

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dirce.	Force. (0 to 12).				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.56	45	SH	2	+	29.50		52	48		SH	2	30	*	52	43	0.75		
Hernösand ...	29.56	49	Z	0	0	29.62		50	46		NNE	2	0	*	*	*	0.08		
Stockholm ...	29.72	49	WSTH	4	0	29.69		50	47		WSTH	4	0	*	*	*	0.20		
Wisby ...	29.56	45	SH	6	0	29.75		50	46		W	6	0	*	*	*	-		
Christiansund ...	29.75	48	WSTH	3	0	29.70	-.05	46	44	0	W	4	0	3	?	41	0.20		
Skudesnaes ...	29.50	46	NW	4	0	29.79	-.04	49	46	+ 2	WSTH	2	0	2	52	46	-		
Oxö (Ålansand) ...	29.72	50	SH	6	0	29.71	-.05	50	43	- 1	W	4	0	2	52	43	-		
Skagen (The Sæw) ...	29.73	48	WSTH	7	0	29.71	-.04	49	45	- 2	WSTH	6	0	5	57	43	-		
Fanö ...	29.91	49	W	2	0	29.87	-.05	50	48	- 1	WSTH	4	0	*	55	46	0.12		
Cuxhaven ...	30.04	54	N	1	0	29.89	-.10	56	52	+ 1	NE	1	0	*	?	50	0.04		
Sumburgh Head ...	29.94	47	N	4	0	29.90	-.06	46	44	- 1	N	2	0	3	51	39	-		
Stornoway ...	29.93	50	ENE	6	0	29.87	-.09	50	47	- 2	E	5	0	5	52	44	-		
Thurso ...	29.98	52	N	3	0	29.93	-.05	48	44	- 2	N	2	0	2	55	45	-		
Wick ...	29.96	51	N	3	0	29.92	-.07	48	45	- 2	NNE	1	0	0	58	40	-		
Nairn ...	29.95	55	ENE	2	0	29.89	-.09	56	51	+ 5	Z	0	0	0	58	39	-		
Aberdeen ...	29.96	51	ESE	1	0	29.90	-.09	49	45	- 1	ESE	1	0	1	56	46	-		
Leith ...	29.93	51	E	3	0	29.85	-.09	50	46	+ 1	ESE	3	0	*	53	48	-		
Shields ...	29.96	51	NE	2	0	29.86	-.08	49	46	- 1	SE	2	0	3	52	47	0.03		
Scarborough ...	29.93	50	Z	0	0	29.83	-.12	49	49	- 1	ENE	2	0	2	55	48	0.03		
York ...	29.91	55	N	1	+	29.82	-.13	50	49	+ 2	NE	1	0	*	60	41	0.25		
Nottingham ...	29.91	62	S	1	+	29.78	-.18	54	54	0	SE	1	0	*	71	53	0.41		
Ardrossan ...	29.90	56	ENE	2	0	29.81	-.11	52	47	0	NE	3	0	2	69	45	-		
Greencastle ...	29.87	57	NE	2	0	29.77	-.12	50	49	- 8	E	2	0	*	64	48	-		
Donaghadee ...	29.89	57	SSE	3	0	29.79	-.11	50	49	- 2	ENE	6	0	5	58	49	0.07		
Kingstown ...	29.87	58	SE	4	0	29.67	-.24	54	53	- 2	E	4	0	4	61	53	0.54		
Holyhead ...	29.90	59	SH	2	0	29.68	-.23	54	54	- 1	E	2	0	1	64	54	0.35		
Liverpool (Bidston) ...	29.90	58	NW	1	0	29.71	-.21	51	50	- 3	ENE	3	0	1	64	51	0.24		
Valencia ...	29.79	56	ESE	3	0	29.74	-.13	57	55	+ 1	WSTH	1	0	3	59	51	0.21		
Roche's Point... ..	29.85	60	S	3	0	29.67	-.24	57	53	- 2	NW	4	0	3	67	54	0.78		
Pembroke ...	29.89	59	SE	1	0	29.59	-.34	53	52	- 3	SH	7	0	5	63	52	0.40		
Portishead ...	29.91	60	WSTH	3	0	29.76	-.18	57	55	+ 1	WSTH	4	0	4	65	51	0.36		
Scilly ...	29.91	57	S	5	0	29.82	-.14	58	57	- 1	WSTH	6	0	5	60	55	0.07		
Plymouth ...	29.92	60	Z	0	0	29.81	-.16	58	57	+ 2	SH	3	0	*	64	54	0.14		
Hurst Castle ...	29.97	60	SH	3	0	29.81	-.13	58	57	0	WSTH	5	0	5	61	54	0.22		
Dover ...	29.93	58	WSTH	2	0	29.84	-.09	55	54	- 5	SH	1	0	1	63	53	0.02		
London ...	29.91	65	WSTH	1	0	29.80	-.12	58	57	+ 2	SH	3	0	*	67	51	0.32		
Oxford ...	*	*	*	*	*	29.76	-.18	58	54	+ 1	S	1	0	*	66	52	0.20		
Cambridge ...	29.94	59	SH	1	0	29.78	-.16	54	53	+ 1	S	1	0	*	65	51	0.16		
Yarmouth ...	29.94	55	ES	2	0	29.83	-.13	54	54	+ 1	SE	1	0	2	56	51	0.05		
The Helder ...	*	*	*	*	*	29.88	-.11	57	54	0	ENE	1	0	*	*	*	-		
Cape Gris Nez ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Jersey ...	29.97	61	Z	0	0	29.93	-.09	57	56	+ 1	W	4	0	3	63	55	0.01		
Brest ...	30.01	?	WSTH	3	0	29.98	-.04	57	55	0	W	3	0	3	63	54	-		
L'Orient ...	29.99	59	SH	2	0	29.98	-.02	57	57	- 2	WSTH	4	0	3	64	54	0.04		
Rochefort ...	30.01	66	NE	3	0	30.04	+ 0.01	63	61	+ 2	W	2	0	3	72	55	0.43		
Biarritz ...	30.00	70	SH	4	0	30.07	+ 0.08	63	59	- 7	WSTH	3	0	3	81	57	0.20		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.88	-.07	61	57	+ 3	W	1	0	*	73	53	0.20		
Charleville ...	*	*	*	*	*	29.87	-.01	63	*	+ 5	WSTH	1	0	*	*	*	*		
Paris ...	29.96	68	W	1	0	29.93	-.06	67	61	+ 7	SH	3	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.03	-.06	68	*	+ 2	N	2	0	*	*	*	*		
Toulon ...	30.04	64	W	4	0	30.04	-.04	70	57	+ 6	W	1	0	2	72	57	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.81	51	46	NW	6	c	2	Valencia	29.86	58	56	SSE	5	op	5
Thurso	29.99	52	47	NNE	3	0	4	Scilly	29.96	59	58	SSE	3	o	3
Scarborough ...	29.93	51	50	SSE	2	o	2	London	29.95	65	49	WSTH	1	o	*
Greencastle ...	29.90	62	57	NE	2	0	*	Rocheport ...	30.05	68	63	NW	2	o	3
Holyhead	29.93	60	58	SW	3	c	2								

There is no change of importance. The SSE¹ wind at Valencia, however, is freshening with showery weather.

EXPLANATION OF COLUMNS.

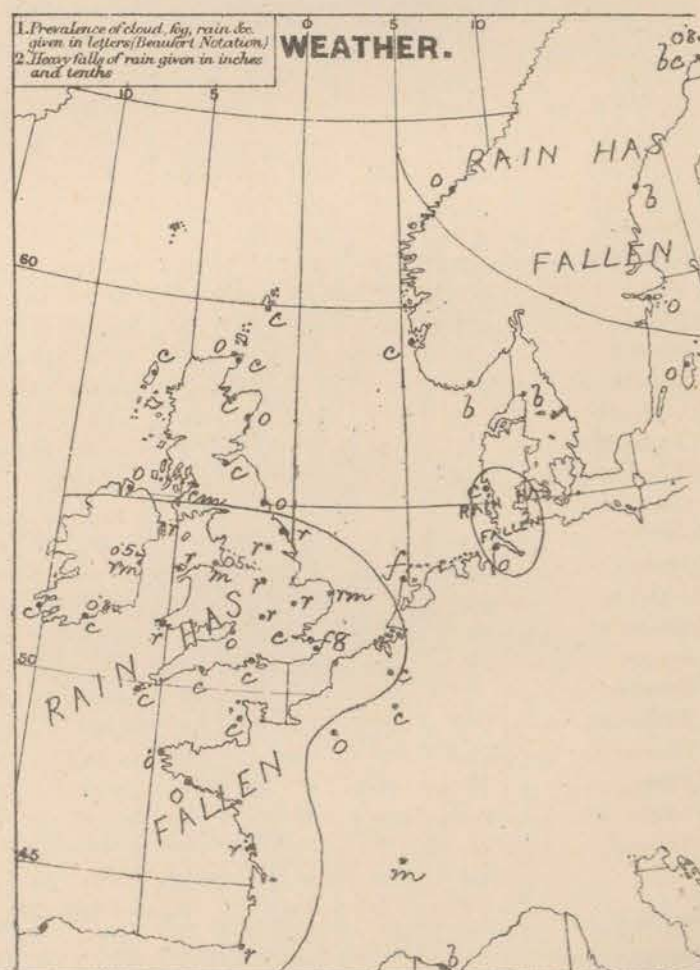
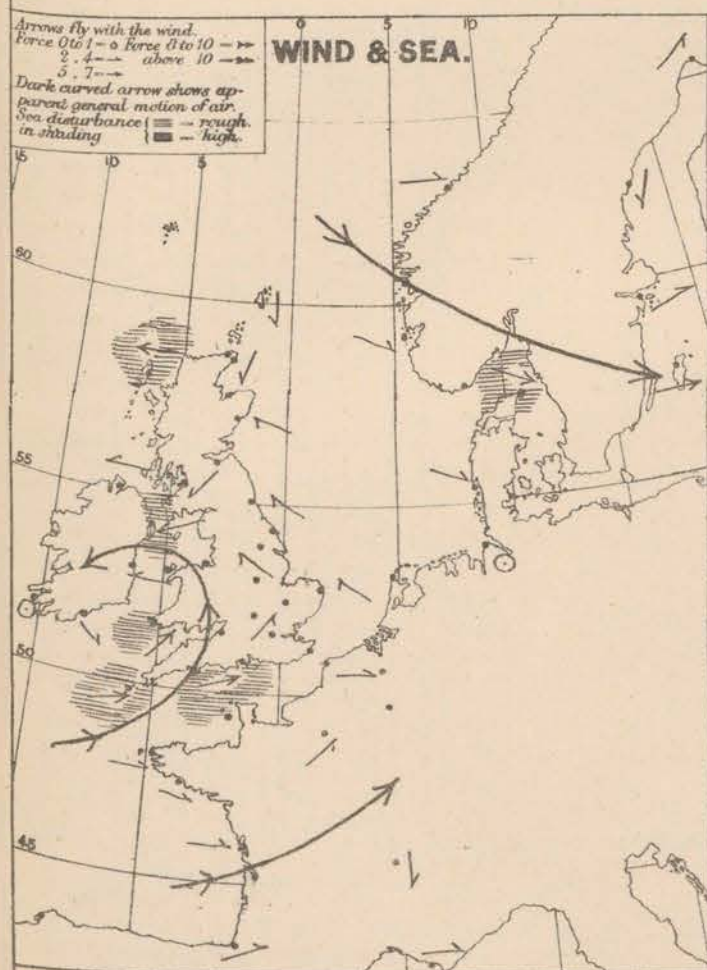
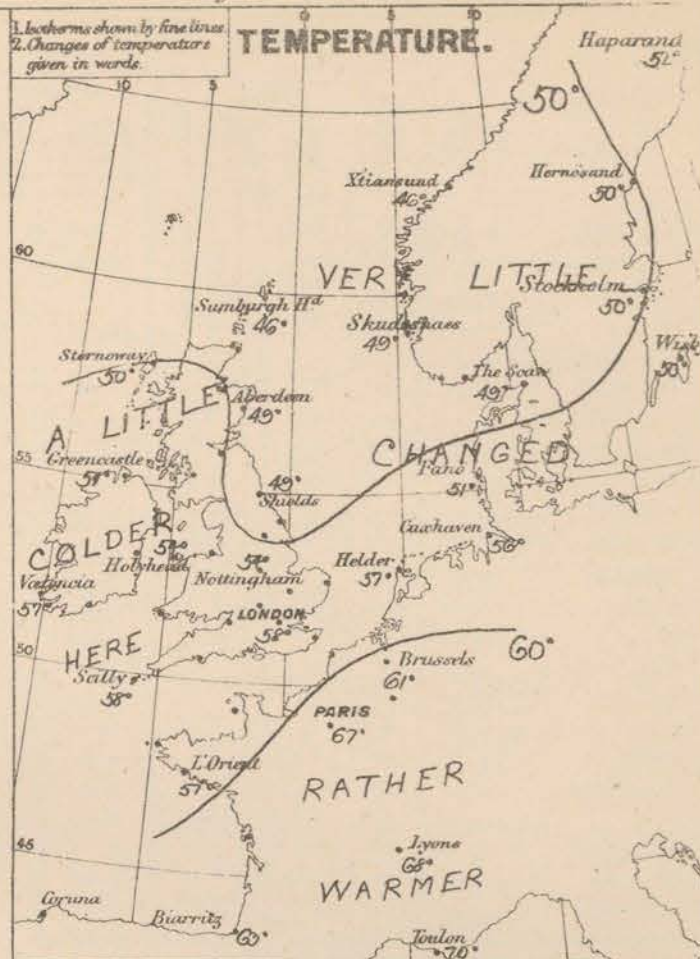
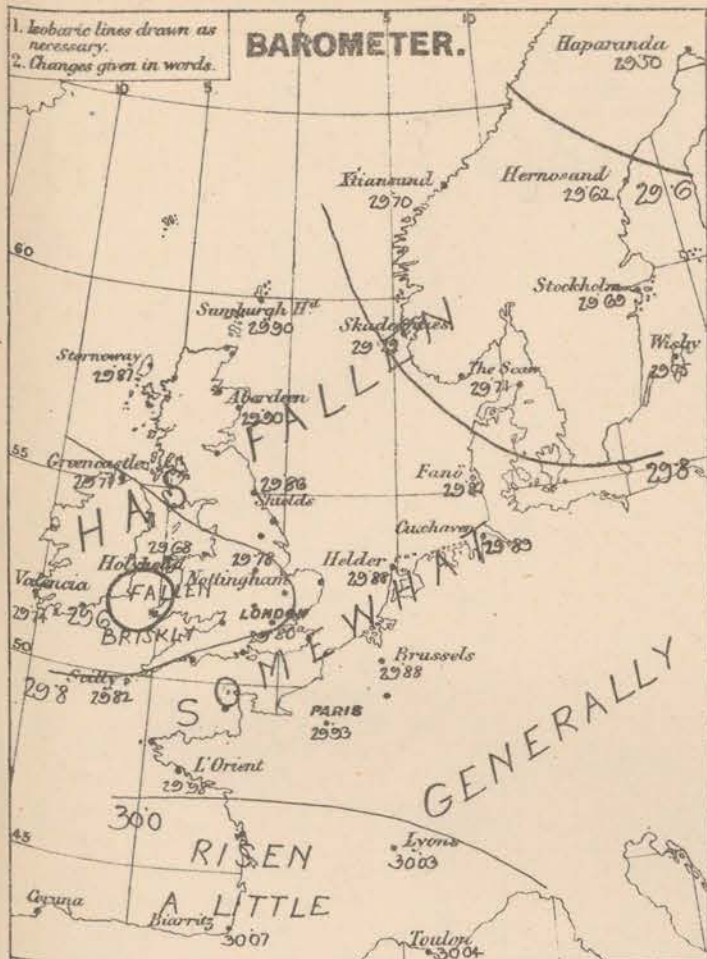
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 4th JUNE 1876.



REMARKS. Weather is dull and unsettled over the whole of Western Europe, with rain over England, the south west of France and east of Ireland, fog and mist in places. Rain has fallen except in the north, the amounts being 0.8 in. at Roche Point, 0.5 in. at Kingstown and Liverpool, and 0.3 in. in London. Temperature has fallen except in the south; it varies from 58° on our south coast to 48° in Caithness. Wind is S.W. over the south of England, S.E. to E. on most of our other coasts but is N.W. in the south of Ireland; it blows fresh or strongly in the south west. Sea is rather rough in the Channel, the Irish Sea and at Stornoway, slight elsewhere.

Barometrical Indications. Pressure has decreased over the whole of Western Europe, most in the west, and a well defined small depression is shown over the St. George's Channel. A recovery seems to have commenced in the south west.

DAILY WEATHER REPORT

JUNE 5th

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.54	48	SH	2	0	29.56	+ .06	53	49	+ 1	NE	2	C	*	?	45	0.75		
Hernösand ...	29.61	48	SSH	2	0	29.61	- .01	57	46	+ 1	NW	4	C	*	*	*	-		
Stockholm ...	29.69	50	W	4	0	29.63	- .06	58	57	+ 5	SSH	2	bc	*	*	*	0.04		
Wisby ...	29.74	49	SH	6	0	29.67	- .08	49	46	- 1	W	4	0	*	*	*	-		
Christiansund ...																			
Skudesnaes ...	29.78	47	NW	6	C	29.78	- .01	50	45	+ 1	NNW	6	C	3	50	46	-		
Oxö (Klansand) ...	29.66	57	NNW	4	0	29.72	+ .01	51	46	+ 1	NNW	2	C	2	57	45	-		
Skagen (The Flow) ...	29.70	48	WSW	3	bc	29.69	- .02	52	49	+ 3	E	2	0	0	59	41	-		
Fanö ...	29.78	48	NNW	4	C	29.76	- .11	51	46	0	NNW	4	C	*	55	45	-		
Cuxhaven ...	29.80	55	N	3	+	29.79	- .10	49	48	- 7	NE	3	+	*	57	46	0.28		
Sumburgh Head ...	29.92	47	N	2	C	29.94	+ .04	57	45	+ 1	WSW	2	+	2	49	40	0.01		
Stornoway ...	29.90	49	NE	6	0	30.00	+ .10	50	49	0	NW	3	0	4	52	41	-		
Thurso ...	29.93	51	NE	2	0	29.99	+ .06	49	45	+ 1	NNE	2	0	3	55	45	-		
Wick ...	29.94	50	E	3	bc	29.99	+ .07	48	45	0	NW	1	0	0	57	43	-		
Nairn ...	29.91	51	E	2	0	30.01	+ .12	48	43	- 8	W	0	bc	0	56	35	-		
Aberdeen ...	29.90	50	E	1	C	29.99	+ .09	51	45	+ 2	NNW	1	0	1	53	44	-		
Leith ...	29.87	50	E	3	bc	29.99	+ .14	57	48	+ 1	W	2	C	*	52	37	-		
Shields ...	29.86	48	ENE	3	+	30.04	+ .18	50	49	+ 1	N	1	0	2	50	46	0.03		
Scarborough ...	29.78	48	ENE	4	+	30.02	+ .19	52	51	+ 3	NNW	2	C	2	52	47	0.38		
York ...	29.75	50	NE	2	+	30.03	+ .21	50	46	0	N	1	0	*	52	43	0.62		
Nottingham ...	29.67	56	SSH	1	+	30.04	+ .26	51	47	- 3	N	2	0	*	60	45	0.84		
Ardrossan ...	29.85	53	NE	3	0	30.01	+ .20	50	46	- 2	SE	1	cmv	1	60	42	-		
Greencastle ...	29.85	59	NE	2	0	30.03	+ .26	56	52	+ 5	S	1	0	*	62	41	-		
Donaghadee ...	29.84	53	SE	4	0	30.05	+ .24	54	51	+ 4	ENE	1	0	0	55	45	0.02		
Kingstown ...	29.83	54	N	4	0	30.05	+ .38	57	49	- 3	N	1	0	1	54	49	0.11		
Holyhead ...	29.78	52	NNE	4	+	?	?	53	51	- 1	NE	2	C	1	64	50	0.34		
Liverpool (Bidston) ...	29.71	53	NE	2	0	30.05	+ .34	49	46	- 2	ENE	1	0	1	56	47	0.36		
Valencia ...	29.87	61	NNW	2	C	30.15	+ .41	59	57	+ 2	SW	2	cmv	0	63	53	-		
Roche's Point ...	29.86	60	NW	4	bc	30.04	+ .37	58	54	+ 1	NW	1	C	2	64	55	-		
Pembroke ...	29.78	55	W	7	0	30.04	+ .48	52	51	- 1	NW	1	0	3	57	50	0.16		
Portishead ...	29.77	58	WSW	6	bc	30.03	+ .27	52	51	- 5	NNE	3	0	2	63	50	0.13		
Scilly ...	29.95	58	W	6	C	30.11	+ .29	58	56	0	W	4	C	4	64	55	-		
Plymouth ...	29.89	61	WSW	4	0	30.06	+ .25	58	56	0	W	2	0	*	65	55	-		
Hurst Castle ...	29.84	59	W	5	C	30.02	+ .21	58	55	0	W	4	0	4	62	54	-		
Dover ...	29.82	57	WSW	4	bc	30.00	+ .16	53	51	- 2	NNW	4	0	2	60	52	0.07		
London ...	29.77	62	WSW	2	bc	30.02	+ .22	51	49	- 7	NNE	1	0	*	69	51	0.10		
Oxford ...	*	*	*	*	*	30.05	+ .29	50	48	- 5	N	1	0	*	64	49	0.02		
Cambridge ...	29.71	60	SW	3	C	30.04	+ .26	50	49	- 4	N	1	0	*	68	47	0.12		
Yarmouth ...	29.72	61	WSW	2	bc	29.99	+ .14	51	47	- 3	NNW	4	C	3	61	45	0.23		
The Helder ...	*	*	*	*	*	29.80	- .08	51	50	- 6	? N	3	+	*	*	*	0.40		
Cape Gris Nez ...	29.86	57	NNW	6	0	29.99		54	52		NW	4	+	4	61	52	0.04		
Jersey ...	30.00	58	W	5	bc	30.12	+ .19	56	55	- 1	W	4	cmv	4	62	54	-		
Brest ...	30.07	?	W	4	0	30.19	+ .21	57	55	0	NNW	3	0	3	63	54	-		
L'Orient ...	30.08	59	W	4	C	30.18	+ .20	59	57	+ 2	NW	3	bc	3	66	54	0.04		
Rochefort ...	30.13	61	NW	4	bc	30.19	+ .15	63	59	0	NW	4	0	3	68	58	-		
Biarritz ...	30.15	66	Z	0	0	30.21	+ .14	64	61	+ 1	ENE	1	bc	3	73	57	0.28		
Corunna ...	*	*	*	*	*			*						*	*	*	*		
Brussels ...	*	*	*	*	*	29.90	+ .02	54	53	- 7	SW	6	+	*	70	53	0.35		
Charleville ...	*	*	*	*	*	29.93	+ .06	56	*	- 7	NNW	6	C	*	*	*	*		
Paris ...	29.95	66	NNW	4	bc	30.09	+ .16	61	55	- 6	W	5	C	*	*	*	0.04		
Lyons ...	*	*	*	*	*	30.16	+ .13	64	*	- 4	N	2	C	*	*	*	*		
Toulon ...	30.03	66	W	1	+	30.06	+ .02	64	63	- 6	W	5	+	3	73	?	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes. ...	29.78	50	45	NW	6	2	Valencia	29.82	62	58	WSW	3	0	3	
Thurso	29.93	51	45	NNE	2	0	3	Scilly	29.91	61	59	WSW	6	0	5
Scarborough ...	29.79	48	48	ENE	3	+	3	London	29.77	65	61	WSW	2	2	*
Greencastle ...	29.78	60	55	ENE	2	0	*	Rochefort ...	30.09	66	61	NW	4	0	3
Holyhead	29.67	56	54	NE	5	0	4								

Pressure still decreases in the east, but is increasing in the south-west. The weather is unsettled.

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.

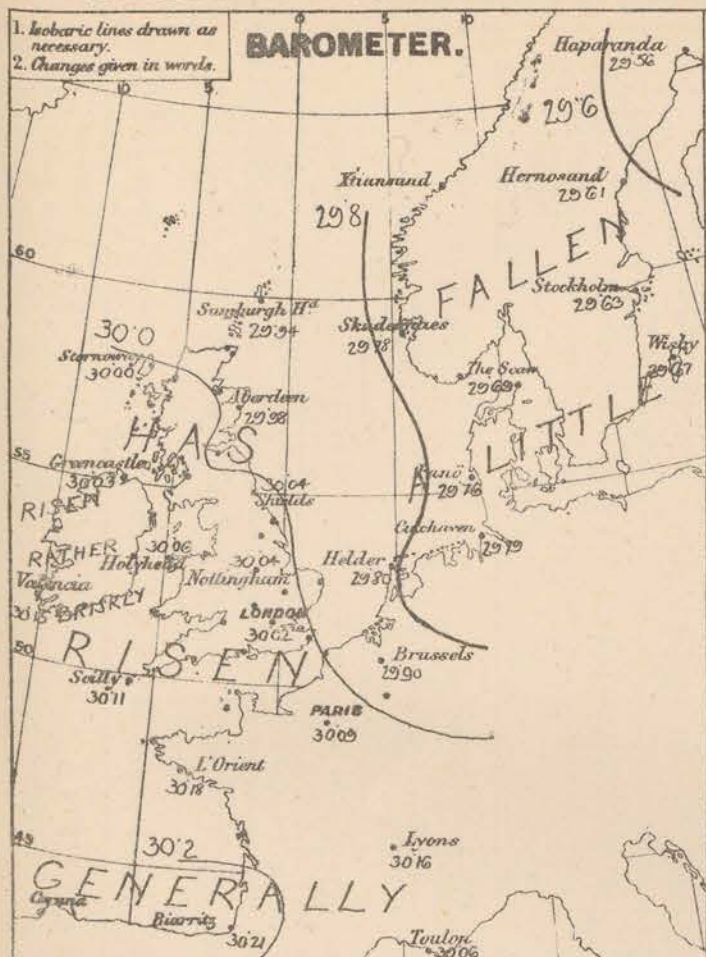
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. in Paris (Paris time).

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 5TH JUNE 1876.

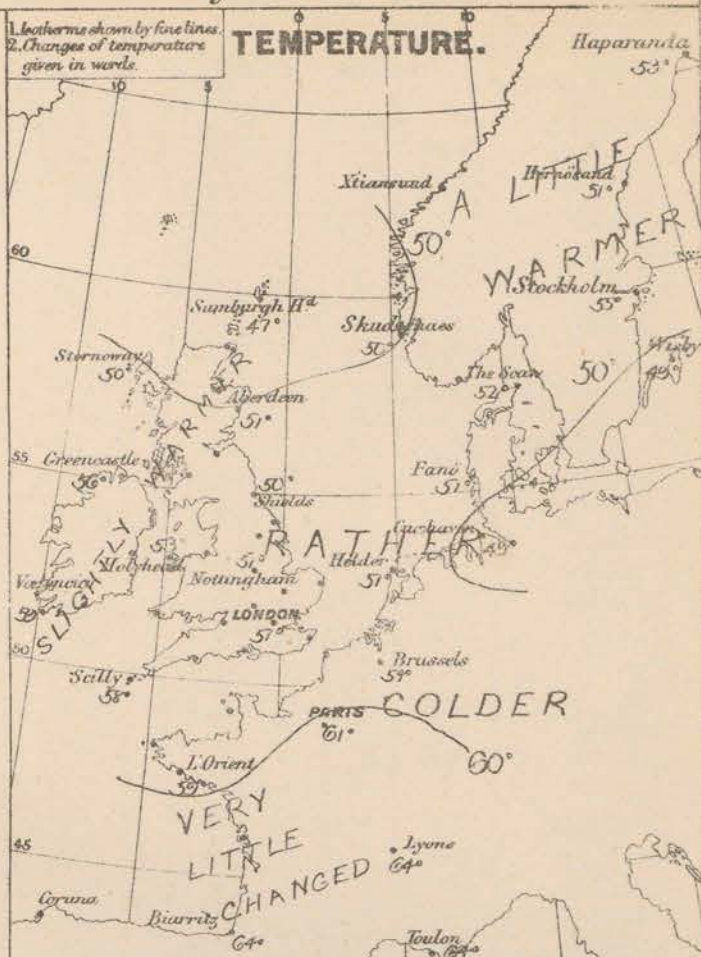
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



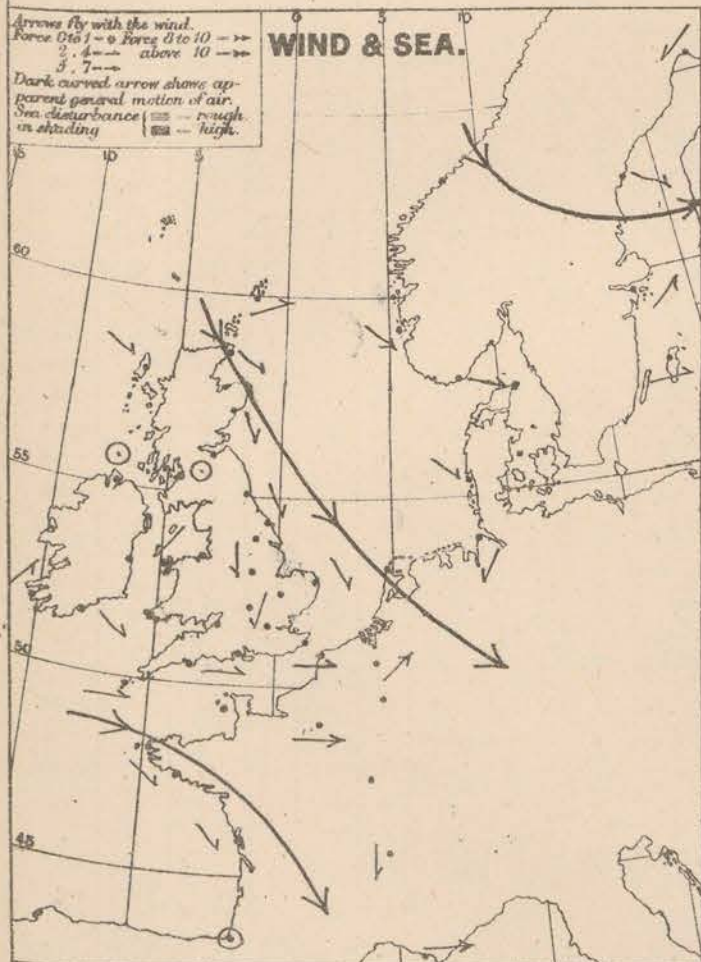
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



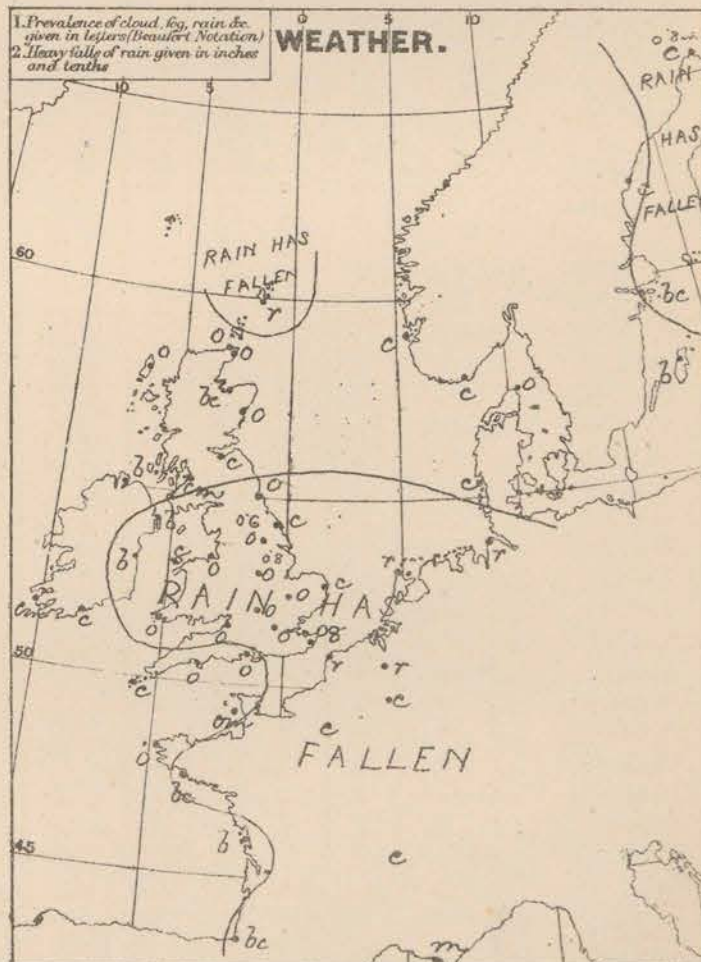
- Arrows fly with the wind.
Force 0 to 1 - 0 Force 8 to 10 - 2
2, 4 - above 10 - 3, 7 -
Dark curved arrow shows apparent general motion of air.
Sea disturbance: rough in shading, high in dots.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is fine in the north of Ireland but is cloudy or overcast elsewhere, with mist at Ardara and Jersey, rain in the north-east of France, the Netherlands and North Germany. Weather has been dry at most of the Irish stations but in nearly all other places rain has fallen, the heaviest amounts being 0.8 in. at Nottingham and 0.6 in. at York. Temperature has fallen over England, the east of France and North Germany but risen over Ireland and Scotland; it varies over these islands from 59° at Valentia to 48° at Wick. Wind is moderate from W or WNW over France and the Channel, very light from N. on our coasts and moderate from the same quarter over the North Sea. A slight SW gale was felt in the English Channel yesterday. Sea is moderate to smooth.

Barometrical Indications. The depression which yesterday lay over the St. George's Channel has since travelled quickly E. and is now shown between the Helder and the mouth of the Elbe; the barometer is consequently falling over Denmark and Sweden, while it is rising in all other places, briskly in Ireland. Readings are very uniform over these islands.

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

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

R. H. SCOTT,
Secretary.

DAILY WEATHER REPORT

JUNE 6th

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.	
Haparanda ...	29.61	47	Z	0	bc	29.58	+ .02	54	50	+ 1	SE	2	bc	*	?	29	+	
Hernösand ...	29.62	50	NNH	2	bc	29.62	+ .01	48	40	- 3	NNH	6	bc	*	*	*	0.04	
Stockholm ...	29.63	50	ENE	2	bc	29.70	+ .07	33	47	- 2	NNH	2	bc	*	*	*	-	
Wisby ...	29.71	50	NNH	6	c	29.71	+ .04	50	48	+ 1	NNH	4	bc	*	*	*	-	
Christiansund ...	29.86	44	NNH	5	r	29.84		58	36		NNH	4	s	3	48	32	0.20	
Skudesnaes ...	29.86	48	NNH	6	bc	29.94	+ .16	48	40	- 5	NNH	8	e	4	50	?	*	
Oxö (Xtiansand) ...	29.73	57	WSH	6	bc	29.78	+ .06	58	44	+ 2	NNH	5	bc	2	57	?	-	
Skagen (The Seaw)	29.76	57	NNH	3	bc	29.76	+ .07	54	49	+ 2	N	4	bc	4	61	43	-	
Fanö ...	29.91	50	NNH	6	c	29.97	+ .21	57	48	0	N	6	c	*	55	46	-	
Cuxhaven ...	29.92	53	NNH	4	r	30.07	+ .28	52	57	+ 3	NNH	4	e	*	52	46	0.22	
Sunburgh Head ...	30.01	47	N	1	c	30.13	+ .19	45	42	- 2	N	3	c	4	52	38	0.01	
Stornoway ...	30.07	57	N	4	o	30.18	+ .18	48	45	- 2	ENE	4	o	3	52	41	-	
Thurso ...	30.06	49	N	3	c	30.20	+ .21	48	44	- 1	N	3	c	3	54	44	0.03	
Wick ...	30.07	49	N	3	c	30.19	+ .20	48	43	0	N	3	bc	0	55	42	-	
Nairn ...	30.08	53	NNH	1	bc	30.20	+ .19	50	45	+ 2	NNH	1	bc	1	58	46	-	
Aberdeen ...	30.05	57	SSE	1	c	30.17	+ .18	48	44	- 3	N	3	o	1	56	44	-	
Leith ...	30.06	60	N	4	bc	30.15	+ .16	50	47	- 1	E	3	2	*	66	45	-	
Shields ...	30.06	55	WSH	1	c	30.16	+ .12	54	49	+ 4	NE	2	c	2	58	44	-	
Scarborough ...	30.08	53	SH	1	bc	30.16	+ .14	58	53	+ 6	NNH	1	bc	1	60	47	-	
York ...	30.10	56	S	2	c	30.18	+ .15	52	57	+ 4	NNH	2	bc	*	58	41	-	
Nottingham ...	30.20	55	NE	2	o	30.21	+ .17	59	54	+ 8	SSH	1	bc	*	62	39	-	
Ardrossan ...	30.06	58	N	3	bc	30.16	+ .15	52	47	+ 2	NNH	2	o	1	62	44	-	
Greencastle ...	30.12	55	N	2	bc	30.16	+ .13	56	52	0	S	1	bc	*	62	40	-	
Donaghadee ...	30.11	59	SE	3	bc	30.19	+ .14	52	48	- 2	NNE	2	c	2	61	45	-	
Kingstown ...	30.12	58	SE	4	bc	30.18	+ .13	56	54	+ 5	NNH	4	bc	3	59	50	-	
Holyhead ...	30.18	57	NNH	2	bc	30.18	?	56	54	+ 3	SSH	2	o	1	59	50	-	
Liverpool (Bidston)	30.12	55	NNH	1	bc	30.19	+ .14	58	52	+ 9	S	1	bc	1	59	?	-	
Valencia ...	30.14	61	N	2	bc	30.16	+ .11	58	56	- 1	SSE	4	o	5	64	54	0.03	
Roche's Point...	30.15	60	NNH	2	c	30.21	+ .17	58	55	0	S	1	o	2	65	50	0.18	
Pembroke ...	30.14	61	NNH	1	bc	30.21	+ .17	57	55	+ 5	WSH	1	e	2	62	57	-	
Portishead ...	30.11	58	N	4	bc	30.23	+ .20	57	54	+ 5	WSH	2	o	1	60	48	-	
Seilly ...	30.21	59	WSH	3	c	30.26	+ .15	60	59	+ 2	SSH	4	o	4	62	55	-	
Plymouth ...	30.15	61	NNH	2	bc	30.28	+ .19	58	56	0	NNH	1	o	3	64	58	0.07	
Hurst Castle ...	30.12	59	SH	1	c	30.24	+ .22	59	57	+ 1	NNH	2	bc	2	61	57	0.02	
Dover ...	30.17	53	WSH	1	o	30.23	+ .23	53	52	0	SSH	2	bc	1	57	57	0.16	
London ...	30.14	57	N	1	og	30.24	+ .22	50	50	- 1	WSH	1	om	*	58	46	0.02	
Oxford ...	*	*	*	*	*	30.23	+ .18	54	51	+ 4	Z	0	bc	*	57	47	-	
Cambridge ...	30.11	56	N	1	o	30.22	+ .18	55	52	+ 5	NNH	1	bc	*	60	43	-	
Yarmouth ...	30.13	54	NNH	1	bc	30.19	+ .22	56	54	+ 5	N	2	bc	2	56	47	-	
The Helder ...	*	*	*	*	*	30.15	+ .35	53	57	+ 2	WSH	1	o	*	*	*	-	
Cape Gris Nez ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Jersey ...	30.23	57	N	3	bc	30.32	+ .20	56	55	0	N	2	bc	0	60	52	-	
Brest ...	30.31	57	NNH	2	bc	30.36	+ .17	57	55	0	WSH	2	o	3	63	54	-	
L'Orient ...	30.26	59	NNH	4	bc	30.34	+ .16	57	55	- 2	E	1	bc	2	66	58	-	
Rochefort ...	30.24	70	NNH	4	bc	30.30	+ .11	61	59	- 2	NNH	2	bc	3	?	55	-	
Biarritz ...	30.30	66	NNH	2	bc	30.32	+ .11	63	57	- 1	ENE	3	bc	3	66	54	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.24	+ .24	53	49	- 1	N	1	bc	*	58	44	0.24	
Charleville ...	*	*	*	*	*	30.16	+ .23	57	53	- 5	NNE	1	bc	*	*	*	*	
Paris ...	30.17	62	N	2	o	30.28	+ .19	56	53	- 5	NNH	2	o	*	*	*	0.12	
Lyons ...	*	*	*	*	*	30.11	- .05	66	*	+ 2	NE	2	bc	*	*	*	*	
Toulon ...	30.02	68	N	5	bc	30.05	- .01	61	54	- 3	NNH	6	bc	6	79	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	29.85	49	43	NNH	8	bc	4	Valencia	30.11	63	58	SH	2	c	3
Thurso	30.04	52	49	NNH	3	o	3	Seilly	30.19	61	59	WSH	4	com	4
Scarborough ...	30.09	57	47	NNH	2	c	2	London	30.12	57	54	NNH	1	o	*
Greencastle ...	30.07	60	55	N	2	b	*	Rochefort ...	30.23	64	61	NNH	4	bc	3
Holyhead	30.11	56	52	NNE	3	b	2								

Pressure is increasing slowly everywhere, but readings continued very uniform and the winds light.

EXPLANATION OF COLUMNS.

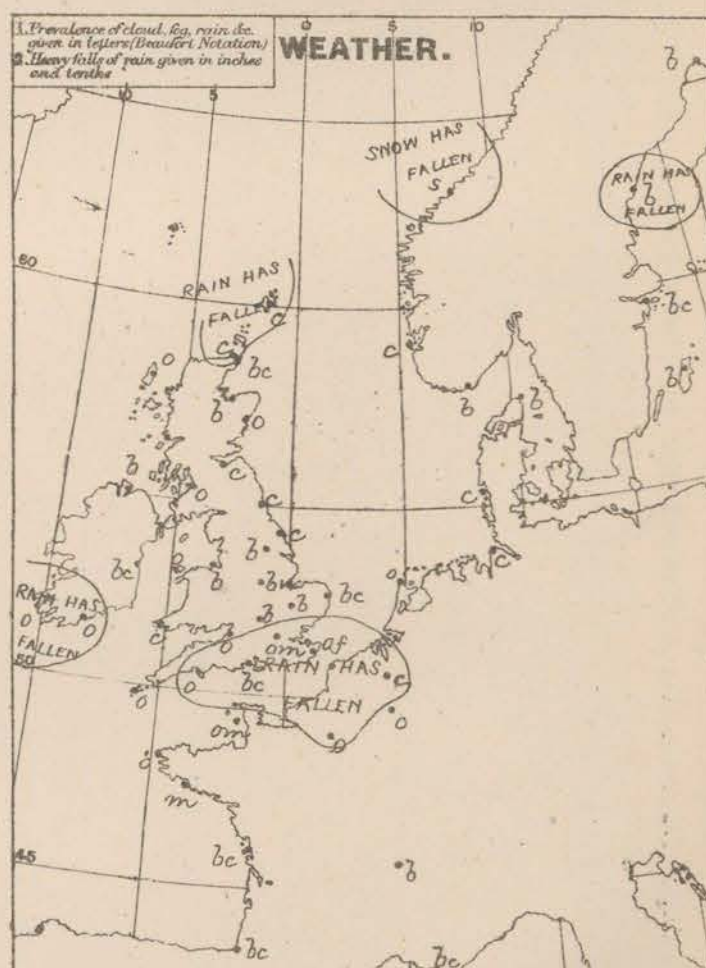
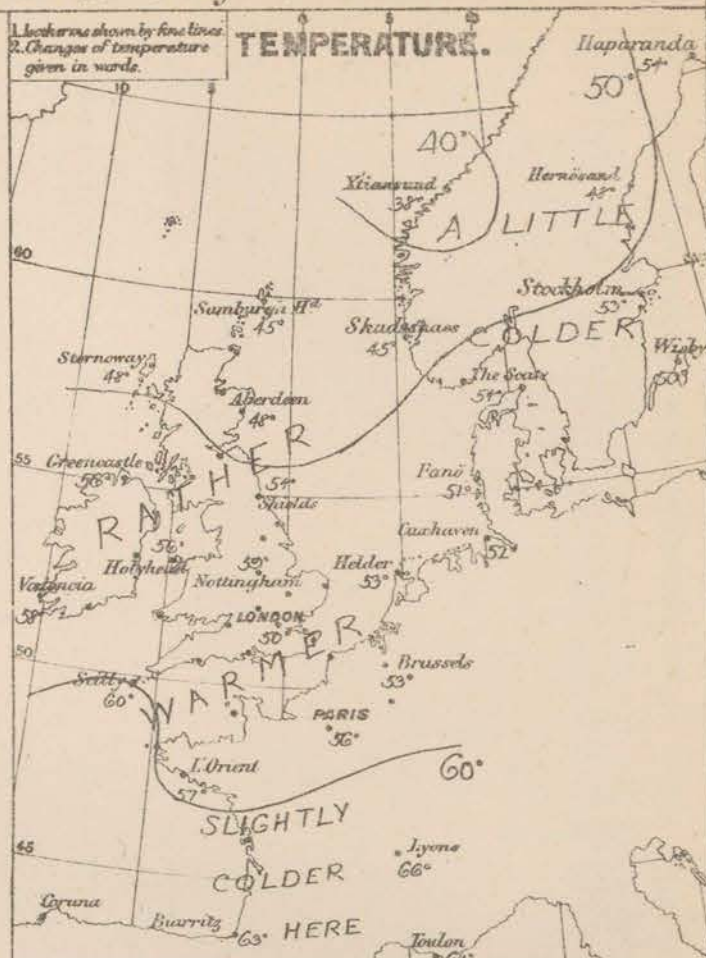
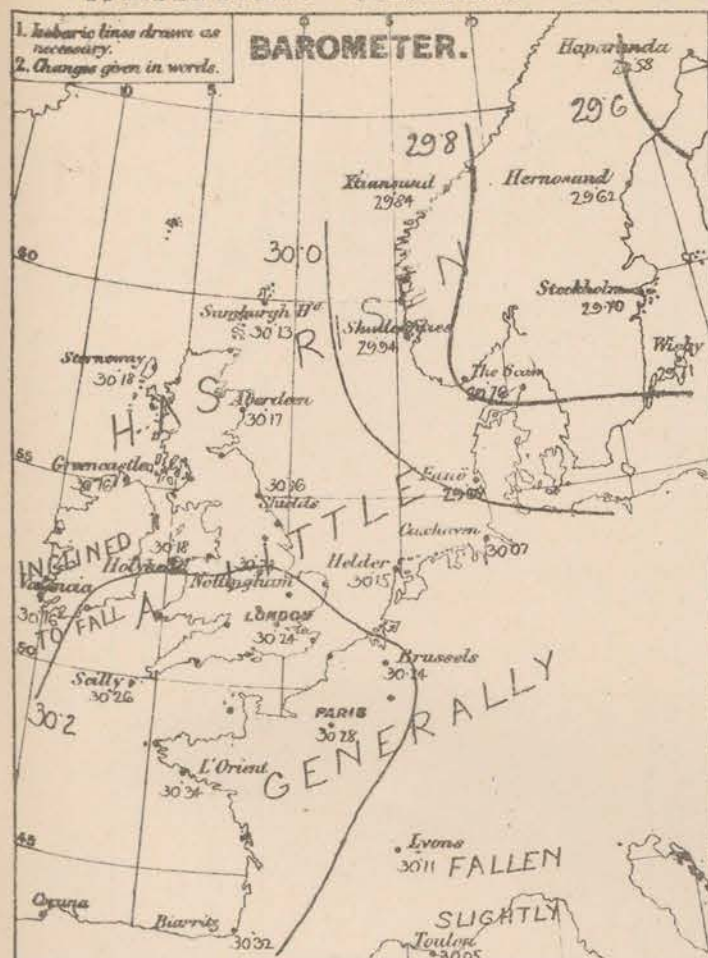
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

* 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 Thursday 6TH JUNE 1878.



REMARKS. Weather is cloudy or overcast over the greater part of Western Europe but is clear or nearly so over Central England, Sweden, the Skager Rack and south of France; mist and fog are reported from several places and snow at Christiansund. Weather has been very dry, the only rain reported being a few hundredths at our south western and south eastern stations and the extreme north of Scotland. Temperature has decreased slightly in France but increased at most of our stations; it varies from 66° at Lyons and 60° at Lille to 48° in Caithness and 38° at Christiansund; during yesterday the thermometer rose to 66° in the shade at Leith, to 65 at Rochefort and 58° in London. Wind is moderate to light on all our coasts and the French coast but blows strongly in Norway; it is NW. over Scandinavia but varies a good deal in direction over these islands, though a S. breeze has appeared in the south west. Sea is rather rough off the west of Ireland, moderate to slight elsewhere. Barometrical Indications. Pressure is rising over nearly the whole of Western Europe but at Valentia the mercury shows a tendency to fall somewhat. A large area of high readings lies over England and France, while the lowest pressures are reported from the Gulf of Bothnia.

DAILY WEATHER REPORT

JUNE 7th

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.41	46	N	2	†	29.52	— .04	45	41	— 9	SW	6	δ	*	52	41	0.63		
Hernösand ...	29.70	46	N	2	δ	29.67	+ .05	46	39	— 2	WSW	4	δ	*	*	*	—		
Stockholm ...	29.71	46	S	2	†	29.77	+ .07	49	46	— 4	Z	0	δ	*	*	*	0.39		
Wisby ...	29.73	53	SW	6	δ	29.78	+ .07	50	48	0	WSW	6	c	*	*	*	—		
Christiansund ...	29.77	38	N	6	5	29.76	— .08	43	39	+ 5	NN	7	c	6	43	34	0.65		
Skudesnaes ...	30.02	44	NNH	5	c	30.03	+ .09	46	40	+ 1	NN	6	δc	3	?	43	—		
Oslo (Kristiansand) ...	29.90	51	NN	6	δ	29.99	+ .21	47	39	— 6	NNH	4	δ	3	39	41	—		
Skagen (The Skaw) ...	29.87	53	NNH	5	δ	29.94	+ .18	48	41	— 6	NN	6	δ	6	63	43	—		
Faßø ...	30.08	48	NNH	6	c	30.13	+ .16	49	44	— 2	NN	6	c	*	55	46	—		
Cuxhaven ...	30.23	54	NN	3	c	30.20	+ .13	53	51	+ 1	NNH	1	c	*	54	48	—		
Sumburgh Head ...	30.15	47	NN	3	δ	30.06	— .07	46	43	+ 1	N	1	c	3	49	41	—		
Stornoway ...	30.14	50	ENE	5	δ	29.99	— .19	51	48	+ 3	ESE	4	c	4	51	43	—		
Thurso ...	30.20	51	N	2	δ	30.08	— .12	52	45	+ 4	ESE	2	c	3	55	43	—		
Wick ...	30.18	50	NE	2	δc	30.08	— .11	52	49	+ 4	E	3	δc	1	58	33	—		
Nairn ...	30.17	52	NE	2	δ	30.04	— .16	51	48	+ 1	Z	0	c	1	58	42	—		
Aberdeen ...	30.19	48	E	2	c	30.09	— .08	49	47	+ 1	SE	3	c	2	53	46	—		
Leith ...	30.15	52	E	3	c	30.02	— .13	48	48	— 2	E	3	r	*	58	44	0.23		
Shields ...	30.20	50	ENE	1	δ	30.08	— .08	52	52	— 2	S	2	fg	2	55	47	0.16		
Scarborough ...	30.19	50	ESE	2	c	30.12	— .04	50	50	— 8	SE	1	c	1	58	45	0.01		
York ...	30.16	62	NE	2	δ	30.13	— .05	54	53	0	S	1	c	*	66	48	—		
Nottingham ...	30.18	64	SSW	2	c	30.15	— .06	61	57	+ 2	S	2	c	*	74	52	0.01		
Ardrossan ...	30.14	58	SSE	1	δc	29.98	— .18	49	48	— 3	NE	2	tr	1	61	48	0.53		
Greencastle ...	30.12	55	ENE	3	δ	29.88	— .28	57	55	+ 1	SW	4	r	*	62	52	0.56		
Donaghadee ...	30.18	56	SE	3	δc	29.98	— .21	55	55	+ 3	SW	4	r	3	59	51	0.26		
Kingstown ...	30.14	60	E	1	c	30.03	— .15	58	55	+ 2	SE	4	c	3	61	55	0.02		
Holyhead ...	30.18	59	SSW	2	c	30.07	— .11	55	54	— 1	SSW	3	r	1	63	54	0.06		
Liverpool (Bidston) ...	30.18	59	NNH	1	δ	30.09	— .10	56	54	— 2	SSE	2	c	1	63	52	0.01		
Valencia ...	30.04	58	SSE	6	†	29.90	— .26	57	56	— 1	S	6	og	6	60	56	0.64		
Roche's Point ...	30.16	58	S	5	†	29.97	— .24	58	56	0	S	4	c	4	64	55	0.12		
Pembroke ...	30.23	60	SSW	1	c	30.11	— .10	55	54	— 2	S	3	om	3	65	54	—		
Portishead ...	30.22	63	WSW	2	c	30.15	— .08	59	57	+ 2	SSW	3	c	3	67	52	—		
Seilly ...	30.26	59	SSW	4	c	30.11	— .15	59	58	— 1	SSE	5	c	5	62	56	—		
Plymouth ...	30.26	61	SW	1	δc	30.15	— .10	59	55	+ 1	SE	2	δc	*	66	55	—		
Hurst Castle ...	30.26	61	N	3	δ	30.20	— .04	60	57	+ 1	S	2	δc	2	64	54	—		
Dover ...	30.23	58	WSW	2	δc	30.24	+ .01	56	55	+ 3	WSW	2	c	1	59	53	—		
London ...	30.21	66	N	1	c	30.20	— .04	59	55	+ 9	SW	2	c	*	69	50	—		
Oxford ...	*	*	*	*	*	30.17	— .06	58	53	+ 4	S	1	c	*	66	50	—		
Cambridge ...	30.20	64	S	1	δ	30.18	— .04	60	57	+ 5	SW	1	a	*	69	51	—		
Yarmouth ...	30.20	60	NNE	2	δ	30.17	— .02	62	58	+ 6	WSW	1	δ	1	62	52	—		
The Helder ...	*	*	*	*	*	30.17	+ .02	57	56	+ 4	SSW	1	c	*	*	*	—		
Cape Gris Nez ...	30.25	57	N	2	δc	30.27		55	55		WSW	2	c	2	59	52	—		
Jersey ...	30.32	61	N	1	δ	30.23	— .09	61	58	+ 5	ESE	2	δ	0	63	50	—		
Brest ...	30.37	?	WSW	2	δ	30.20	— .16	57	55	0	SE	3	δc	3	64	52	—		
L'Orient ...	30.32	63	N	2	δ	30.18	— .16	61	59	+ 4	ESE	3	δ	2	68	52	—		
Rocheport ...	30.26	70	NN	2	δc	30.17	— .13	61	59	0	E	3	δ	3	73	55	—		
Biarritz ...	30.23	66	NNE	4	δ	30.08	— .24	63	59	0	E	3	δ	3	70	52	—		
Corunna ...	*	*	*	*	*			*	*		*			*	*	*	*		
Brussels ...	*	*	*	*	*	30.24	+ .04	54	52	+ 1	WSW	3	f	*	66	48	—		
Charleville ...	*	*	*	*	*	30.22	+ .06	50	*	— 1	S	1	f	*	*	*	*		
Paris ...	30.26	65	N	4	δc	30.26	— .02	64	59	+ 8	S	2	δ	*	*	*	—		
Lyons ...	*	*	*	*	*	30.24	+ .13	64	*	— 2	NE	2	δ	*	*	*	*		
Toulon ...	30.03	75	NNH	6	δ	30.12	+ .07	68	55	+ 7	E	5	δ	3	77	59	—		

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	30.01	46	41	NH	6	c	4	Valencia	30.11	58	57	SSE	6	rg	5
Thurso	30.22	53	47	N	2	δ	3	Seilly	30.27	62	60	S	4	c	4
Scarborough ...	30.17	54	51	ENE	1	c	1	London	30.23	65	57	N	2	c	2
Greencastle ...	30.16	60	53	ENE	2	δ	*	Rochefort ...	30.27	73	63	NH	2	δc	3
Holyhead	30.20	59	56	SSW	2	2	1								

Pressure is decreasing in the SW. of Ireland but is not changing much elsewhere. The winds is strong from SSE. at Valencia with rain and gloom.

EXPLANATION OF COLUMNS.

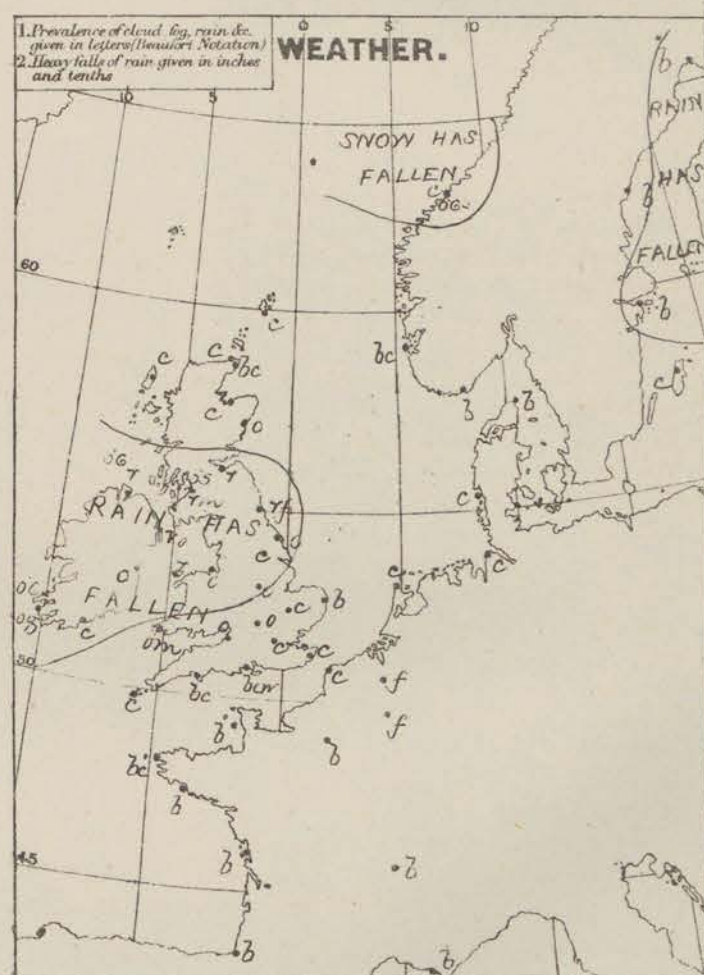
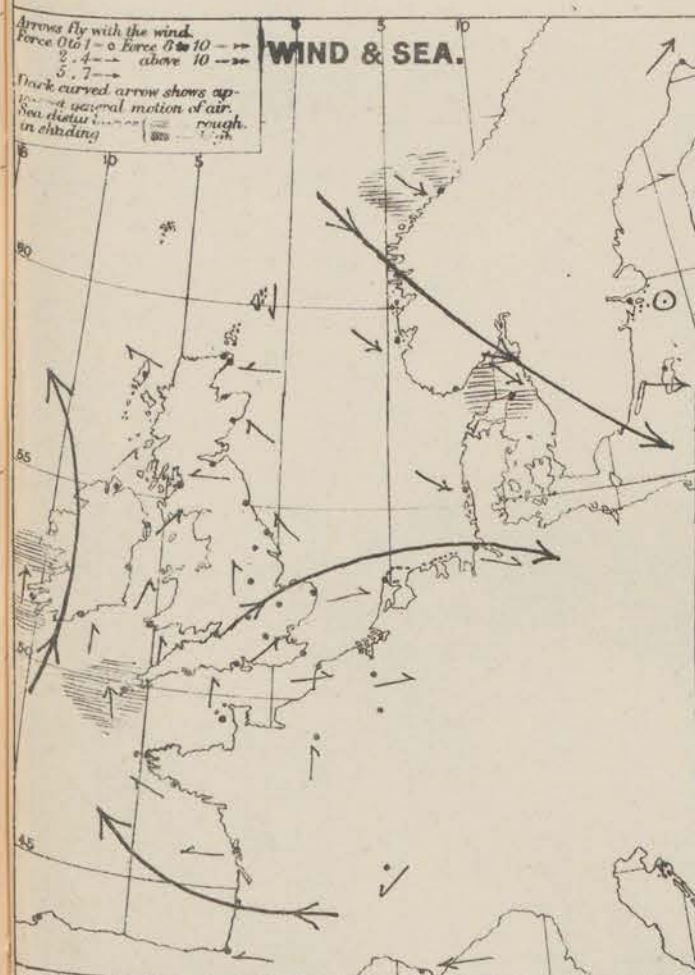
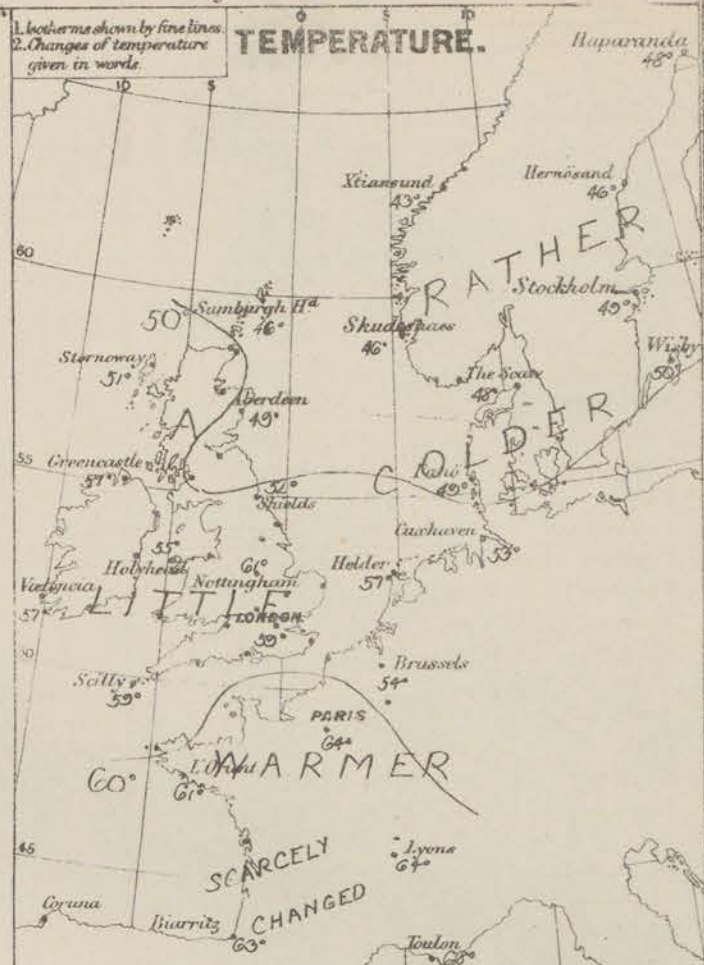
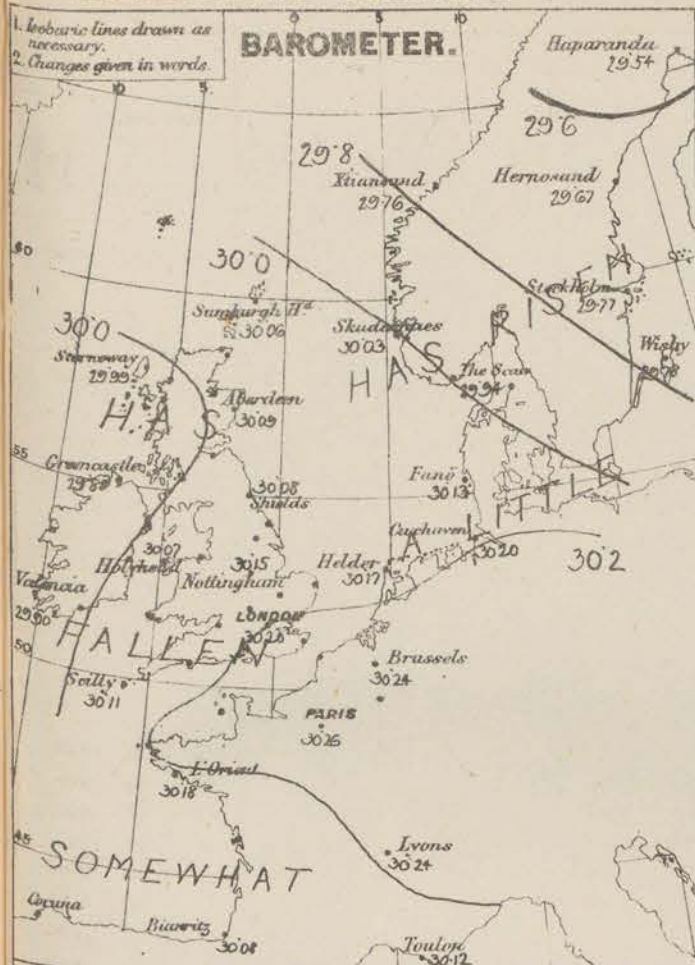
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 7th JUNE 1878



REMARKS. Weather is clear over France, at Yarmouth and in the Stager Rack but is cloudy or overcast elsewhere with rain in the north west and north east; mist at Anderson and Pembroke and fog at Shields. Rain has fallen over Ireland, the north of England and south of Scotland, the heaviest amounts being 0.6 in. at Valentia and Newcastle and 0.5 in. at Anderson. Temperature has risen slightly over the south east of England and France but has changed irregularly elsewhere; it varies from 60° at Toulon to 40° at Uthmaniyah and 43° at Christiansund. Wind is E⁷ over the greater part of France as well as in Scotland but is S⁴ over England and Ireland and N¹⁰ on the eastern shores of the North Sea; it blows strongly at Valentia and in Denmark and Norway but is moderate to light on the other coasts. Sea is rough at Valentia, Scilly, the Hebrides and Christiansund, moderate at Roches P¹ and Norway, slight to smooth elsewhere.

Barometrical Indications. Pressure is increasing over Denmark and the south of Scandinavia, decreasing in all other parts of Western Europe. An area of high reading lies over France and North Germany, while an extensive depression is shown off our western coast. Gradients are, however, slight at present.

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

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT

JUNE 8TH 1878.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.74	45	E	2	†	29.75	+ .21	44	44	-	1	NW	2	0	*	48	37	0.08
Hernösand ...	29.65	44	W	2	†	29.70	+ .03	45	42	-	1	W	2	0	*	*	*	0.04
Stockholm ...	29.78	42	SSW	2	0	29.80	+ .02	48	44	-	1	W	6	0	*	*	*	0.35
Wisby ...	29.84	51	WNW	6	0	29.86	+ .08	48	44	-	2	WNW	8	0	*	*	*	-
Christiansund ...	29.95	45	WNW	6	0	29.95	+ .19	43	40	0		WNW	7	†	5	45	37	0.28
Skudesnaes ...	30.07	47	NNW	4	0	30.01	- .02	49	45	+ 3		ESE	1	0	2	?	46	-
Oxö (Tiansand) ...	30.00	53	NN	4	0	30.00	+ .01	47	42	0		SW	2	0	2	54	41	-
Skagen (The Skaw) ...	29.97	49	NNW	6	0	30.00	+ .06	51	45	+ 3		W	3	0	1	57	41	-
Fanö ...	30.13	48	NN	2	0	30.05	- .08	53	49	+ 4		S	4	0	*	55	48	-
Cuxhaven ...	30.20	55	NNE	2	0	30.08	- .12	57	57	+ 4		SE	2	W	*	57	50	-
Sumburgh Head ...	30.09	46	N	3	0	29.93	- .18	46	44	0		ESE	6	†	6	50	42	-
Stornoway ...	29.84	54	ESE	5	†	29.63	- .36	51	50	0		SE	6	0	5	57	43	0.45
Thurso ...	30.01	48	ESE	3	0	29.72	- .36	50	50	-	2	E	3	†	3	56	45	0.35
Wick ...	30.00	47	SE	5	0	29.70	- .38	50	50	-	2	ENE	6	†	4	56	41	0.42
Nairn ...	29.93	50	E	1	†	29.68	- .36	50	49	-	1	SW	1	0	1	51	48	0.39
Aberdeen ...	29.96	48	E	3	†	29.76	- .33	53	52	+ 4		SSW	1	W	2	53	47	0.39
Leith ...	29.90	57	WSW	3	0	29.69	- .33	57	55	+ 9		S	1	0	*	62	47	0.17
Shields ...	29.99	60	SW	3	0	29.80	- .28	55	53	+ 3		SE	1	†	2	61	51	0.02
Scarborough ...	30.02	56	S	1	0	29.87	- .31	50	57	+ 10		ESE	3	0	3	60	50	0.02
York ...	30.02	61	S	1	0	29.87	- .32	60	56	+ 6		S	3	0	*	63	52	0.01
Nottingham ...	30.02	67	SSE	3	0	29.87	- .34	60	60	+ 5		SSE	5	0	*	70	51	-
Ardrossan ...	29.90	55	S	2	0	29.68	- .30	55	53	+ 6		S	2	0	3	56	50	0.83
Greencastle ...	29.79	60	S	3	0	29.61	- .27	57	54	0		S	2	0	*	61	54	0.72
Donaghadee ...	29.88	55	SW	4	0	29.67	- .31	58	55	0		SSW	4	0	3	59	54	0.68
Kingstown ...	29.88	58	SSE	4	0	29.68	+ .35	56	55	-	2	SE	3	0	2	60	55	0.01
Holyhead ...	29.93	60	S	2	0	29.70	- .37	60	58	+ 5		S	2	0	1	65	55	-
Liverpool (Bidston) ...	29.95	62	SE	1	0	29.72	- .37	58	55	+ 2		SE	2	0	1	64	56	-
Valencia ...	29.73	56	S	5	0	29.60	- .30	55	53	-	2	NNE	1	0	1	60	49	0.44
Roche's Point... ..	29.82	58	S	4	†	29.61	- .36	57	57	0		S	1	†	3	63	55	0.28
Pembroke ...	29.92	59	SE	3	0	29.67	- .34	58	56	+ 3		SE	4	0	3	62	54	-
Portishead ...	30.01	63	SSE	4	0	29.75	- .40	59	57	0		ESE	4	0	3	69	52	-
Seilly ...	29.92	59	S	5	0	29.68	- .43	57	57	-	2	S	4	†	4	62	56	0.06
Plymouth ...	29.98	64	S	3	0	29.70	- .45	61	56	+ 2		S	2	0	*	69	57	0.01
Hurst Castle ...	30.06	65	SSE	1	0	29.80	- .40	62	59	+ 2		SSE	4	0	4	66	57	-
Dover ...	30.11	58	Z	0	0	29.88	- .36	62	57	+ 6		E	1	0	0	63	56	-
London ...	30.07	66	SSW	1	0	29.85	- .35	63	58	+ 6		SSE	2	0	*	68	54	-
Oxford ...	*	*	*	*	*	29.81	- .36	60	56	+ 2		SSE	1	0	*	67	54	-
Cambridge ...	30.04	63	S	1	0	29.86	- .32	63	58	+ 3		S	1	0	*	69	50	-
Yarmouth ...	30.07	59	S	1	0	29.92	- .25	58	56	-	4	SE	2	0	2	65	53	-
The Helder ...	*	*	*	*	*	30.02	- .15	60	58	+ 3		SSE	1	0	*	*	*	-
Cape Gris Nez ...	30.11	63	Z	0	0	29.90	- .37	64	57	+ 9		SSE	2	0	1	68	54	-
Jersey ...	30.03	66	SE	1	0	29.80	- .43	61	58	0		E	2	0	0	68	57	-
Brest ...	30.02	?	SSE	3	0	29.80	- .40	61	59	+ 4		SE	2	0	3	66	54	-
L'Orient ...	30.02	66	S	2	0	? 29.74	- .44	61	61	0		E	3	0	2	73	55	-
Rochefort ...	29.96	72	ESE	1	0	29.81	- .36	66	61	+ 5		SSE	3	0	3	72	55	-
Biarritz ...	29.92	73	ENE	3	0	29.80	- .28	79	70	+ 16		SSE	3	0	3	88	59	-
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels ...	*	*	*	*	*	29.95	- .29	62	55	+ 8		S	4	0	*	71	?	-
Charleville ...	*	*	*	*	*	? 29.90	- .29	61	*	+ 11		SE	1	0	*	*	*	-
Paris ...	30.09	69	SE	3	0	29.90	- .36	64	58	0		ESE	2	0	*	*	*	-
Lyons ...	*	*	*	*	*	30.03	- .21	68	*	+ 4		SE	6	0	*	*	*	-
Toulon ...	30.18	68	E	4	0	30.15	+ .03	66	55	-	2	E	5	0	4	72	?	-

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	30.07	48	41	WNW	6	0	3	Valencia	29.79	57	55	SSE	7	†	6
Thurso	30.04	53	48	ESE	3	0	3	Seilly	30.00	61	59	SSE	5	0	5
Scarborough ...	30.06	55	54	WSW	1	†	1	London	30.13	67	62	WSW	2	0	*
Greencastle ...	29.85	60	57	S	2	†	*	Rochefort ...	30.08	66	77	SE	3	0	2
Holyhead	30.01	64	59	S	5	cp	3								

Pressure is decreasing everywhere - rather briskly at Valencia, where the wind has backed to SSE and risen to a moderate gale.

EXPLANATION OF COLUMNS.

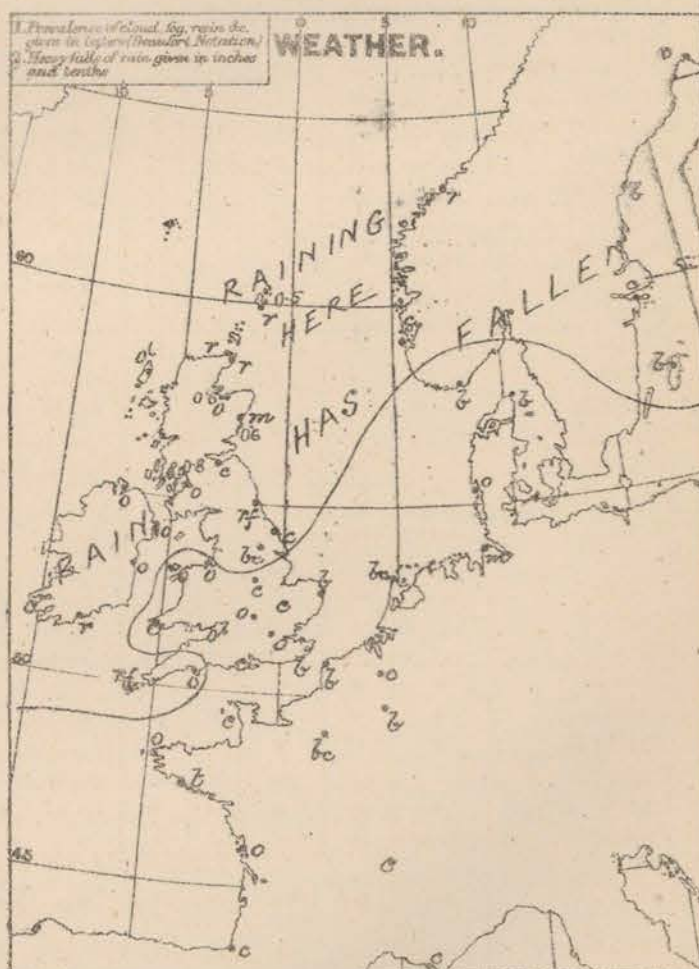
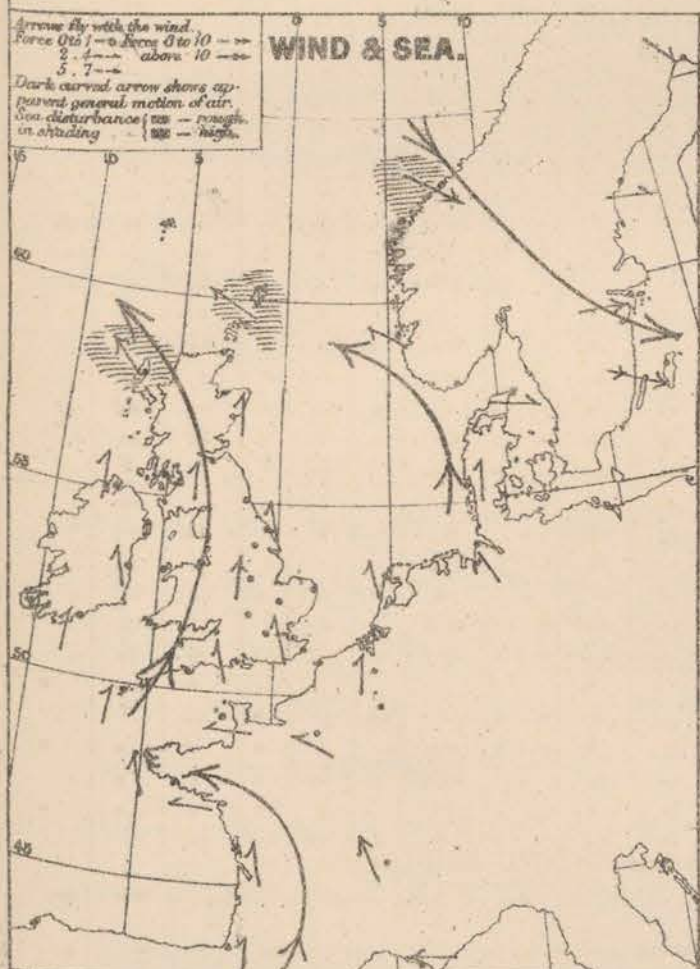
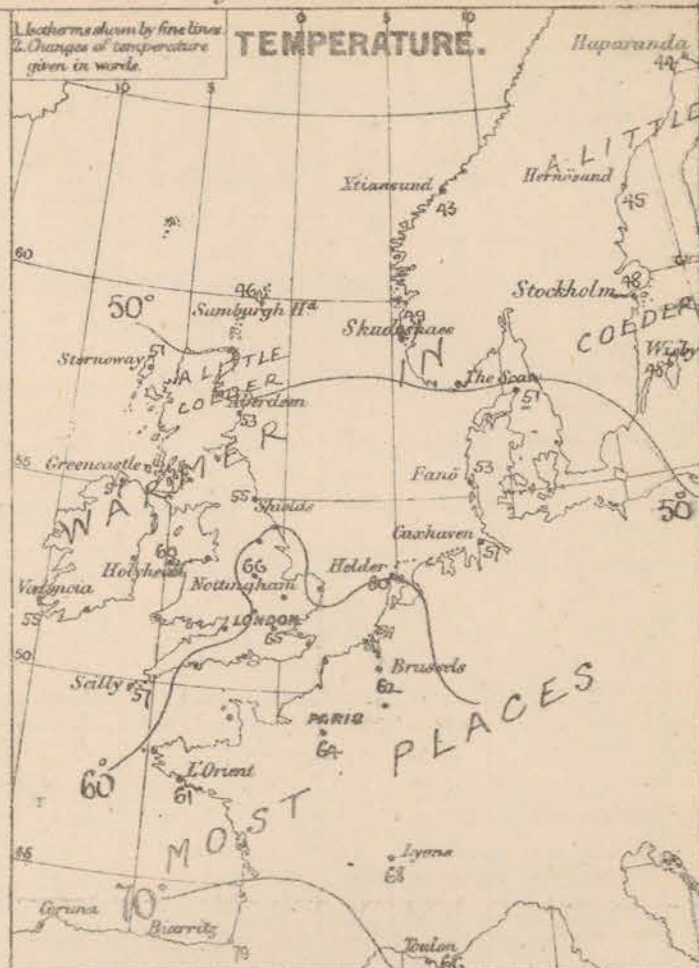
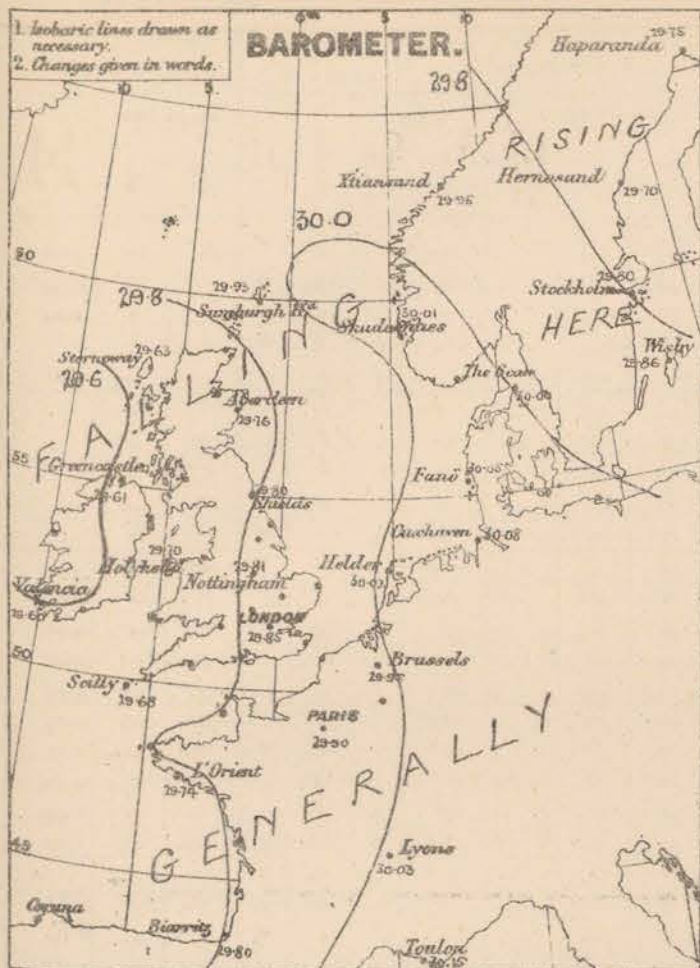
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Saturday 8 JUNE 1878.



REMARKS. Weather continues clear over the Skagerrack, but in all other parts of N. Europe the sky is cloudy or overcast, rain is falling at some of the SW stations, at Shields and in Caithness and the Shetlands, some mist and fog prevails and thunder is reported from distant. Rain has fallen rather heavily in Scotland. Temperature has fallen in the NE. of Scotland, but has risen in most other places, it varies from 66° at Nottingham and 65° in London to 46° at Sunbrough Head; during yesterday the thermometer in the shade rose to 88° at Reading to 70° at Nottingham and to 66° in London. Wind is S by SE generally, but at Valencia a light NE breeze is reported, and in Scandinavia a fresh W wind. Sea is rough to the N. of Scotland, slight or smooth on most other coasts.

Barometrical Indications. Pressure has decreased briskly and uniformly over the Islands and France, and slightly on the E. shore of the North Sea, but has increased somewhat in London. Readings are highest over N. Germany, lowest off our W. coast.

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

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

R. H. SCOTT.
Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JUNE 2nd to JUNE 8th 1878.

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

This, again, has been a week of showery weather especially during the latter part. Showers began to fall in the west about the 2nd and there gradually became more general and heavier. Southerly winds have been prevalent in Ireland and England, with E^{ly} to SE^{ly} winds in Scotland and temperature has increased slowly all over the country. During the 4th a well marked depression passed over Ireland and England and the W^{ly} winds on its S^{ly} side blew strongly in the Channel but by 8 am on the 5th the disturbance had disappeared from our area. Thunderstorms of considerable severity occurred in the S. and SE. on Saturday.

JUNE 2nd Pressure was increasing in the South-east of England, the east of France, and on the eastern shores of the North Sea, decreasing elsewhere. An area of low pressure was shown off our SW. coast and a well marked depression over the Gulf of Bothnia, while a region of comparatively high readings lay over Scotland, the east of England and France. The wind was S^{ly} to SE^{ly} and moderate or light in force on most of our coasts, but a fresh NW^{ly} to W^{ly} breeze was reported from Scandinavia and Denmark. Temperature had changed irregularly, but the general tendency was to increase. Weather was at first fine and dry, the only rain which had fallen being over the NW. and central part of France. In the afternoon the thermometers had risen to 69° at Roches P^{rs}, to 68° at Nottingham and to 65° in London, and rain fell subsequently at several of the W^m stations. In the evening pressure was decreasing generally but readings were exceedingly uniform.

JUNE 3rd Pressure was increasing slightly over France, but decreasing in all other places, the changes, were, however, very slight and readings were exceedingly uniform at about 29.9 in: over these Islands. Wind was very light on all coasts, from W. over France and the Channel, from S. and SE. over Great Britain and from NW. on the eastern shores of the North Sea. Temperature was changing very little, but was inclined to rise in the S. Weather was dull, with rain at Spartois, Stadenals and over central France. Up to 2 pm scarcely any change had occurred over these Islands, but after that hour the mercury fell in the SW. and a slight depression appeared off the SW. of Ireland. Weather continued dull except in the N. of Scotland and SE. of England, the thermometer, however, rose to 71° at Nottingham, to 67° in London and 66° at Oxford.

JUNE 4th A small well defined depression had advanced during the night across the S. of Ireland and lay at 6 am over the St George's Channel, the mercury had fallen briskly in its immediate vicinity, and slightly in all other parts of W^m Europe. Readings varied from 30.17 in: at Cronin and 29.93 in: at Thurso, to 29.59 in: at Pembroke and 29.5 in: at Haparanda. Over these Islands and their neighbourhood the wind circulated

round the disturbance and was fresh to strong in force in the S.W. and S. but over Scandinavia it was N.W. to S.W. being governed by the low pressure in the N. Temperatures had not changed much but had risen slightly in the E. of France and fallen on our N.W. coasts: it varied from 58° on our S. coast to 48° in Louthness. Weather was cloudy and overcast with rain over the N. and N. of England and S.W. of France. During the day the depression moved slowly N.W., the N.W. wind in the S. freshened, but the weather though very showery improved somewhat, the maximum temperatures were 69° in London, 68° at Cambridge and 66° at Nottingham.

JUNE 5th The depression has passed on E.W. and at 8 am was found over N. Germany, where the barometer was falling somewhat; in all other places the mercury was recovering and readings varied from 30.30 in: at Comins to 29.79 in: at Bucharest and 29.56 in: at Haparanda. Over these islands pressure was very uniform. Wind was N.E. over the British Isles and North Sea, and N.W. in the N. of France, while a S.W. breeze was reported in the S. of Sweden; at our stations it was very light in force, while elsewhere it was moderate. Temperatures had changed irregularly, it varied from 59° at Tallinn to 48° in Louthness. Weather was clear at our N.W. stations and in the N. of France but more or less cloudy elsewhere. During the day the barometer continued to rise everywhere and the fine weather from the N.W. spread over us, a very fine evening being experienced.

JUNE 6th The rise of the barometer noticed on the previous day continued over nearly the whole of N.W. Europe, but at Tallinn pressure had begun to decrease slightly during the night. A large area of high reading (30.3 in:) lay over Spain and the N. of France, while the lowest pressures were reported from the Gulf of Bothnia; gradient was very slight over our own and the French coasts. Over the greater part of these islands light and variable air prevailed, but in the S.W. a S.E. current was appearing, while a brisk N.W. breeze which was prevailing on the E. shore of the North Sea extended N.W. to our N.E. coasts. Temperature was higher at our stations but rather lower on the Continent; it varied from 62° at Tilly to 45° in the Shetlands. Weather was fine and dry. Pressure decreased rather briskly at Tallinn later in the day and the wind rose to a strong breeze from S.E. with rain and gloom.

JUNE 7th The area of high pressure was moving E.W. and now lay over Germany and the N. of France. The barometer was falling in the N. and depression began to pass from S.W. to N.E. outside the N. coast of Ireland & Scotland causing the S.E. winds to increase in strength at the N.W. stations, while the S.E. breeze in the N. freshened also accompanied by showery weather. Temperature again rose somewhat, the maximum values over England varying from 65° to 70°. In the E. and S.E. the weather was fine. During the day the barometer fell everywhere.

JUNE 8th Pressure was highest in Germany and the S.E. of France and an arm of high readings stretched N.W. over Denmark and the S.W. of Norway, thus separating one cyclonic system, which lay over Russia and the Baltic, from another which lay over Ireland and the Atlantic. Subsidiary depressions appeared in several places. S.W. winds prevailed all over England and Ireland, and S.E. winds in the N. of Scotland, while N.W. breezes of varying strength were felt in Sweden and the N.W. of Norway. Temperature again rose but became unsteady. A maximum of 74° was recorded at Nottingham and Cambridge, 72° in London, and 70° at Porthead, while a reading of 50° was registered at Bunsch and 52° at Birnie. The weather, however, became very unsettled, thunderstorms occurred over the S.W. and S.E. districts and in some places the fall of rain was heavy.

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary

DAILY WEATHER REPORT

JUNE 9TH

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	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	29.59	49	N	2	b	29.47	-28	50	46	+6	N	6	d	*	55	45	0.12		
Hernösand	29.75	46	W S W	2	b	29.65	-05	52	52	+7	W	6	b	*	*	*	-		
Stockholm	29.82	51	SSE	2	b	29.78	-02	58	51	+7	SSW	2	b	*	*	*	-		
Wisby	29.80	50	SW	4	b	29.82	-04	52	46	+4	W N W	2	b	*	*	*	-		
Christiansund																			
Skudesnaes	29.82	49	Z	0	c	29.52	-49	53	49	+4	E N E	6	N	3	58	46	0.04		
Oxö (Thousand)	29.85	49	SW	4	c	29.63	-24	53	51	+6	S	4	N	-	52	48	-		
Skagen (The Snow)	29.87	53	W S W	2	c	29.66	-24	55	51	+4	SE	4	0	5	61	46	-		
Famö	29.80	58	ESE	6	0	29.59	-46	60	59	+7	SSW	4	0	*	66	52	0.04		
Cuxhaven	29.93	66	SE	1	c	29.67	-41	65	?	+8	W S W	4	0	*	?	?	0.04		
Sumburgh Head	29.73	45	E N E	6	N	29.40	-58	49	49	+3	E N E	5	N	6	49	43	0.24		
Stornoway	29.49	58	SE	2	b	29.18	-45	50	50	-1	SE	2	0	2	59	45	0.40		
Thurso	29.56	55	SSE	2	0	29.26	-46	58	53	+8	SSE	2	0	2	60	48	0.26		
Wick					N														
Nairn	29.52	56	Z	0	A	29.28	-40	54	51	+4	SW	1	0	1	63	51	0.38		
Aberdeen	29.57	52	S	1	N	29.29	-47	57	54	+4	W N W	2	0		57	50	0.59		
Leith	29.49	54	E N E	1	0	29.36	-33	58	53	+1	W	3	6	*	63	51	0.28		
Shields	29.54	57	SE	2	0	29.45	-35	61	54	+6	W	1	6	1	61	52	0.20		
Scarborough	29.57	58	SSE	4	0	29.50	-31	63	58	+3	SW	3	6	3	63	54	0.04		
York	29.54	66	SSE	3	0	29.51	-30	61	56	+1	SSW	3	6	*	68	52	0.02		
Nottingham	29.57	64	S	2	A	29.57	-24	64	59	-2	SSW	5	6	*	74	52	0.02		
Ardrossan	29.45	58	ESE	1	N	29.41	-27	64	52	-1	SW	3	6	3	60	53	0.46		
Greencastle	29.45	55	W	2	N	29.40	-21	65	58	-2	S	2	6	*	61	47	0.49		
Donaighadee	29.43	55	SSE	3	N	29.43	-24	56	55	+1	SE	3	6	2	56	46	0.38		
Kingstown	29.45	53	S	3	0	29.45	-23	58	56	+2	SSE	3	0	2	58	53	0.28		
Holyhead	29.51	56	SW	4	m	29.49	-21	56	55	-2	SSW	3	0	2	65	53	0.11		
Liverpool (Belton)	29.51	59	SE	1	0	29.49	-23	61	55	+3	SW	2	6	1	65	54	0.44		
Valencia	29.50	59	W	3	b	29.46	-14	55	53	0	W N W	1	0	2	62	47	-		
Roche's Point	29.50	62	W	3	b	29.46	-14	55	52	-3	SE	1	0	2	66	52	0.87		
Pembroke	29.55	53	SW	4	0	29.48	-19	57	55	-1	S	3	6	*	58	53	0.29		
Portishead	29.58	64	SSE	5	c	29.56	-14	59	56	0	S	6	0	5	70	52	0.03		
Scilly	29.61	59	SW	5	0	29.53	-15	58	54	-2	SW	5	0	4	61	54	0.21		
Plymouth	29.62	61	S	4	0	29.56	-14	58	57	-3	SSW	3	0	*	65	55	0.11		
Hurst Castle	29.64	63	SW	3	b	29.65	-15	60	58	-2	SSW	5	6	5	69	55	0.01		
Dover	29.65	63	SW	2	b	29.71	-17	60	57	-2	W N W	3	6	3	69	53	-		
London	29.60	65	S	1	c	29.66	-19	61	56	-4	SW	2	6	*	72	52	0.23		
Oxford	*	*	*	*	*	29.61	-20	58	55	-2	SSW	2	0	*	69	53			
Cambridge	29.66	65	SSE	2	N	29.63	-23	59	57	-4	SSW	2	0	*	74	52	0.20		
Yarmouth	29.66	58	ESE	3	b	29.65	-27	60	56	+2	W S W	3	6	2	62	54	0.05		
The Helder	*	*	*	*	*	29.67	-35	61	58	+1	SW	2	6	*	*	*	0.12		
Cape Gris Nez	29.68	70	SSE	4	c	29.68	-35	59	57	-5	SW	3	0	2	79	56	0.04		
Jersey	29.72	61	W S W	2	c	29.71	-09	57	56	-4	S	6	6	5	67	54	0.01		
Brest	29.73	57	W S W	5	N	29.67	-13	57	54	?	SW	4	0	5	?	54	0.02		
L'Orient	29.79	61	W S W	4	c	29.73	-01	59	55	-2	W N W	5	N	4	70	52	0.20		
Rochefort	29.87	68	W	3	c	29.87	+06	61	57	-5	S	3	6	3	?	57	0.08		
Biarritz	29.89	70	W S W	3	N	29.88	+08	64	61	-15	E N E	3	6	3	82	57	0.04		
Cofunna	*	*	*	*	*	29.96		66	*	0	W	6	0	2	*	*	*		
Brussels	*	*	*	*	*	29.75	-20	62	59	0	SW	2	0	*	80	61	0.04		
Charleville	*	*	*	*	*	29.73	-20	61	*	0	SSW	1	N	*	*	*	*		
Paris	29.78	65	S	3	0	29.81	-09	60	59	-4	S	3	N	*	*	*	0.16		
Lyons	*	*	*	*	*	29.85	-15	70	*	+2	S	2	0	*	*	*	*		
Toulon	29.08	64	E	5	6	29.98	-17	66	59	0	E	5	6	4	73	64	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.54	54	46	SSW	1	0	2	Valencia	29.53	61	57	WNW	2	c	3
Thurso	29.62	59	53	SE	3	0 m	3	Scilly	29.62	58	58	SSW	4	N f	4
Scarborough ...	29.70	61	58	SSE	3	0	3	London	29.68	71	65	SSE	2	0	*
Greencastle ...	29.56	61	57	NE	2	0	*	Rochefort ...	29.78	70	64	WSW	4	c	4
Holyhead	29.58	66	58	S	3	d	2								

Pressure is decreasing generally and a shallow depression has been formed over Ireland and seems to be moving E.

EXPLANATION OF COLUMNS.

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

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

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

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

DAILY WEATHER REPORT

JUNE 10TH 1878.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind.		Weather.	BAROMETER.		SHADE TEMP.			Wind.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Dir.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.	Amount of Rainfall.	
Haparanda ...	?	49	N	2	0	29.55	+0.8	53	49	+3	NE	2	6	*	54	43	-	
Hernösand ...	29.57	52	SSW	2	6	29.46	-1.9	48	45	-3	SE	6	0	*	*	*	-	
Stockholm ...	29.63	52	SSW	5	0	29.49	-2.9	58	55	+3	WSW	2	N	*	*	*	0.08	
Wisby ...	29.73	56	SSW	4	0	29.56	-2.6	57	54	+3	W	6	N	*	*	*	-	
Christiansund ...	29.38	54	SE	2	0	29.28	?	49	47	?	WSW	4	C	3	50	45	-	
Skudesnaes ...	29.43	49	SSW	5	6	29.40	-1.2	58	53	+5	SE	2	C	3	?	48	-	
Oxö (Xiänsand) ...	29.53	52	WSW	4	6	29.47	-1.6	51	51	-2	SSW	2	6	2	54	48	-	
Skagen (The Seaw) ...	29.50	50	W	3	0	29.52	-1.4	54	52	-2	SW	2	0	1	61	46	-	
Fanö ...	29.61	53	SW	3	6	29.53	-0.6	60	57	+3	SW	4	C	*	64	50	0.32	
Cuxhaven ...	29.70	62	W	1	C	29.64	-0.3	61	58	+3	WSW	4	C	*	?	?	0.10	
Sumburgh Head ...	29.37	49	NE	4	N	29.40	-0.3	47	45	-2	NE	4	N	5	49	44	0.19	
Stornoway ...	29.28	56	SW	6	6	29.38	+2.0	56	54	+2	E	4	6	4	58	45	-	
Thurso ...	29.35	56	WSW	2	2	29.40	+1.4	57	54	+3	W	1	6	2	50	43	0.01	
Wick ...	29.34	52	W	1	6	29.34	-	57	54	+3	E	1	8	0	58	40	-	
Nairn ...	29.34	64	WSW	1	6	29.41	+1.3	55	51	+4	W	0	C	1	65	51	-	
Aberdeen ...	29.35	59	S	4	6	29.38	+0.9	54	53	-1	W	0	N	1	69	51	0.03	
Leith ...	29.34	56	SSW	1	N	29.39	+0.3	56	54	+2	W	2	6	*	70	50	0.24	
Shields ...	29.41	56	SW	3	N	29.45	+0.4	55	52	+3	W	4	6	2	67	50	0.21	
Scarborough ...	29.43	58	S	2	N	?	?	59	55	+4	W	5	C	3	66	51	0.39	
York ...	29.42	56	W	1	N	29.55	+0.4	56	52	+4	SW	3	C	*	67	50	0.70	
Nottingham ...	29.46	56	SSW	3	N	29.62	+0.5	58	53	+5	SW	6	C	*	67	49	0.33	
Ardrossan ...	29.35	60	SW	2	6	29.40	-0.1	53	53	0	SSW	3	C	3	62	54	-	
Greencastle ...	29.33	58	SSW	2	0	29.30	-0.1	56	52	+4	W	2	C	*	67	51	0.09	
Donaghadee ...	29.37	56	S	2	6	29.44	+0.1	56	54	+2	WSW	5	6	3	60	49	0.08	
Kingstown ...	29.43	58	WSW	1	6	29.52	+0.7	55	52	+3	WSW	5	6	5	60	52	0.06	
Holyhead ...	29.42	60	SW	4	C	29.55	+0.6	57	52	+5	SW	6	C	4	64	51	0.01	
Liverpool (Bidston) ...	29.41	58	WSW	1	C	29.55	+0.6	56	53	+3	WSW	3	6	3	64	50	0.66	
Valencia ...	29.53	56	WSW	5	N	29.64	+1.8	56	50	+6	WSW	5	C	5	60	50	0.09	
Roche's Point ...	29.53	54	WSW	4	C	29.64	+1.1	55	50	+5	W	4	6	3	59	50	0.25	
Pembroke ...	29.49	57	WSW	4	6	29.65	+1.7	55	51	+4	WSW	5	6	4	63	52	-	
Portishead ...	29.51	54	S	3	N	29.70	+1.4	57	52	+5	SW	6	6	6	61	49	0.79	
Scilly ...	29.64	58	W	6	ap	29.78	+2.5	58	53	+5	WSW	5	C	5	61	51	0.25	
Plymouth ...	29.57	58	SW	3	0	29.78	+2.2	58	54	+4	SW	4	6	*	61	52	0.41	
Hurst Castle ...	29.57	60	WSW	6	6	29.78	+1.8	60	56	+4	W	6	6	6	61	54	-	
Dover ...	29.62	58	SSW	3	6	29.77	+0.6	60	55	+5	WSW	4	6	3	62	55	0.01	
London ...	29.55	63	SSW	5	6	29.75	+0.9	59	52	+7	SW	5	6	*	66	51	-	
Oxford ...	*	*	*	*	*	29.72	+1.1	55	51	+4	WSW	3	6	*	69	51	0.34	
Cambridge ...	29.50	60	S	2	C	29.69	+0.6	57	53	+4	SW	2	0	*	9	50	0.14	
Yarmouth ...	29.56	62	S	5	6	29.66	+0.1	58	53	+5	WSW	4	6	2	66	52	-	
The Helder ...	*	*	*	*	*	29.63	-0.4	59	55	+4	SW	4	C	*	*	*	0.04	
Cape Gris Nez ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Jersey ...	29.72	57	WSW	6	6	29.92	+2.1	56	54	+2	SW	5	6	5	61	51	0.12	
Brest ...	29.82	64	W	5	0	29.94	+2.7	57	55	+2	W	4	6	5	62	52	0.16	
L'Orient ...	29.83	59	W	5	N	29.97	+2.4	57	56	+1	W	5	N	4	64	52	0.39	
Rochefort ...	29.95	66	W	6	C	30.05	+1.9	62	55	+7	W	5	6	3	77	54	-	
Biarritz ...	30.04	70	WSW	3	*	30.12	+2.4	64	57	+7	SSW	1	6	4	75	55	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Charleville ...	*	*	*	*	*	29.84	+1.1	55	*	+6	SSW	3	C	*	*	*	0.04	
Paris ...	29.78	63	SW	5	6	29.97	+1.6	59	54	+5	SW	4	6	*	*	*	0.04	
Lyons ...	*	*	*	*	*	30.11	+2.3	64	*	+6	N	2	6	*	*	*	*	
Toulon ...	29.94	64	E	6	C	30.00	+0.2	68	64	+4	E	1	6	3	68	?	-	

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

Bar.	Dry.	Wet.	Wind.	Wet.	Sea.	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.43	51	50	SSW	3	Valencia ...					
Thurso ...						Scilly ...					
Scarborough ...						London ...					
Greencastle ...						Rochefort ...	29.85	66	61	W	6
Holyhead ...											

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.

DAILY WEATHER REPORT

JUNE 11TH 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.								PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12).				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	
Haparanda	29.41	49	S	2	h	29.26	-.29	50	49	-3	SE	6	o	*	55	46	-
Hernösand	29.28	47	z	0	o	29.42	-.04	53	46	+5	WNW	4	b	*	*	*	0.08
Stockholm	29.54	54	SSW	2	bc	29.49	.00	55	53	-3	SSW	4	o	*	*	*	0.20
Wisby	29.57	54	SW	2	b	29.61	+.05	56	53	-1	WSW	3	c	*	*	*	0.04
Christiansund	29.41	48	WSW	3	c	29.52	+.24	43	40	-6	W	4	W	3	50	39	0.24
Skudesnaes	29.46	50	WNW	4	o	29.59	+.19	51	45	-7	NNW	4	o	4	2	50	-
Oxö (Årland)	29.43	53	SSW	4	c	29.56	+.09	52	49	+1	WSW	4	c	3	55	48	-
Skagen (The Sea)	29.46	52	WSW	3	h	29.60	+.08	53	51	-1	W	6	o	5	59	46	0.63
Fanö	29.68	54	WSW	6	c	29.74	+.21	61	57	+1	W	5	b	*	61	54	0.04
Cuxhaven														*			
Sunburch Head	29.53	49	NE	2	c	29.64	+.24	46	44	-1	NE	3	c	3	57	43	-
Stornoway	29.46	53	ENE	6	c	29.52	+.14	56	53	0	SSE	1	c	1	56	45	-
Thurso	29.33	50	NE	2	o	29.60	+.20	49	48	-8	NE	3	o	3	59	47	-
Wick	29.53	49	NNW	2	f	29.63	+.29	49	48	-8	NE	3	o	2	59	44	-
Nairn	29.49	52	E	2	h	29.55	+.14	53	51	-2	z	0	o	0	58	50	0.67
Aberdeen	29.49	55	z	0	bc	29.56	+.18	54	52	0	E	1	c	1	61	50	0.03
Leith	29.50	59	WSW	3	bc	29.52	+.13	57	54	+1	ENE	1	bc	*	67	45	-
Shields	29.56	62	W	4	c	29.58	+.13	53	50	-2	S	2	h	1	63	48	0.02
Scarborough	29.63	58	W	3	bc	29.60	?	52	?	-7	S	2	h	2	63	48	0.01
York	29.65	56	WSW	1	c	29.64	+.09	52	52	-4	S	2	h	*	63	45	0.18
Nottingham	29.71	60	SW	3	bc	29.56	-.06	54	53	-4	SSE	6	h	*	66	46	0.06
Ardrossan	29.54	56	SW	3	c	29.49	+.09	57	53	+2	ESE	3	o	2	62	49	0.08
Greencastle	29.54	57	WSW	2	o	29.40	+.01	53	51	-3	E	2	o	*	61	46	-
Donaghadee	29.57	57	WSW	3	c	29.41	-.03	51	51	-5	E	5	h	3	62	47	0.14
Kingstown	29.63	58	W	4	bc	29.29	-.23	54	54	-2	SSE	5	h	5	62	53	0.71
Holyhead	29.65	58	SW	6	b	29.35	-.20	54	53	-1	SE	3	h	2	62	53	0.36
Liverpool (Bidston)	29.66	56	SW	3	bc	29.43	-.12	52	51	-4	ESE	4	h	3	61	49	0.18
Valencia	29.61	57	SSW	3	bc	29.32	-.28	51	50	-5	NNW	3	h	4	60	49	0.47
Roche's Point	29.61	56	SW	4	o	29.22	-.42	56	54	+1	SW	4	o	4	60	52	0.68
Pembroke	29.74	58	SW	4	b	29.33	-.32	53	53	-2	SSW	4	p	3	60	53	0.49
Portishead	29.77	61	WSW	4	b	29.47	-.23	56	55	-1	SSE	7	o	6	64	50	0.26
Seilly	29.78	58	SSW	5	o	29.38	-.40	57	55	-1	SW	7	c	6	62	54	0.72
Plymouth	29.82	60	SW	4	c	29.48	-.30	57	56	-1	SW	6	o	*	66	54	0.33
Hurst Castle	29.84	61	WSW	5	b	29.61	-.17	57	56	-3	SSW	7	h	6	63	54	0.26
Dover	29.84	58	WSW	3	b	29.76	-.01	57	55	-3	SSW	5	bc	4	61	55	-
London	29.79	62	W	3	bc	29.66	-.09	56	54	-3	S	5	o	h	66	51	0.16
Oxford		*	*	*	*	29.58	-.14	54	53	-1	S	4	h	*	68	51	0.08
Cambridge	29.74	63	SW	3	bc	29.65	-.04	55	54	-2	SW	4	h	*	66	48	0.05
Yarmouth	29.73	64	WSW	4	b	29.74	+.08	57	56	-1	S	3	d	3	66	51	0.01
The Helder		*	*	*	*	29.82	+.19	59	55	0	SW	2	b	*	*	*	-
Cape Gris Nez	29.89	57	WSW	5	b	29.78	-.05	59	55	+4	S	4	o	3	61	52	-
Jersey	29.94	57	SW	1	c	29.70	-.22	56	55	0	S	7	o	6	61	50	0.20
Brest	29.97	57	SW	4	o	29.63	-.31	57	57	0	SSW	6	h	6	61	54	0.39
L'Orient	29.99	61	WSW	5	bc	29.71	-.26	57	57	0	SSW	6	h	4	66	52	0.32
Rochefort	30.06	68	WSW	3	c	29.86	-.20	61	59	-2	SSE	4	b	3	77	54	-
Biarritz	30.01	68	ENE	4	bc	29.86	-.26	72	63	+8	SSE	2	bc	3	73	57	-
Corunna		*	*	*	*			*						*	*	*	*
Brussels		*	*	*	*	29.87	+.03	60	56	+4	SSW	4	o	*	67	52	-
Charleville		*	*	*	*	29.86	+.02	59	*	+4	SSE	3	b	*	*	*	*
Paris	29.97	62	WSW	3	c	29.88	-.09	59	55	0	SE	3	bc	*	*	*	0.16
Lyons		*	*	*	*	30.02	-.09	63	*	-1	NE	2	c	*	*	*	*
Toulon	29.99	70	W	4	b	30.01	+.01	66	61	-2	E	4	p	3	79	?	-

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

1	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.41	55	52	W	4	o f	3	Valencia	29.67	59	54	W S W	5	bc	5
Thurso	29.48	55	53	NE	3	o f	4	Seilly	29.82	62	59	SW	5	bc	5
Scarborough ...	29.57	63	56	W	4	bc	4	London	29.80	59	56	W W W	1	pte	#
Greencastle ...	29.50	55	52	W	2	o	*	Rochefort ...	30.09	66	64	W	5	bc	3
Holyhead	29.64	60	55	SW	6	b	4								

No important change is reported - a thunderstorm has just passed over London from the W^{est}, with heavy rain and some hail.

EXPLANATION OF COLUMNS.

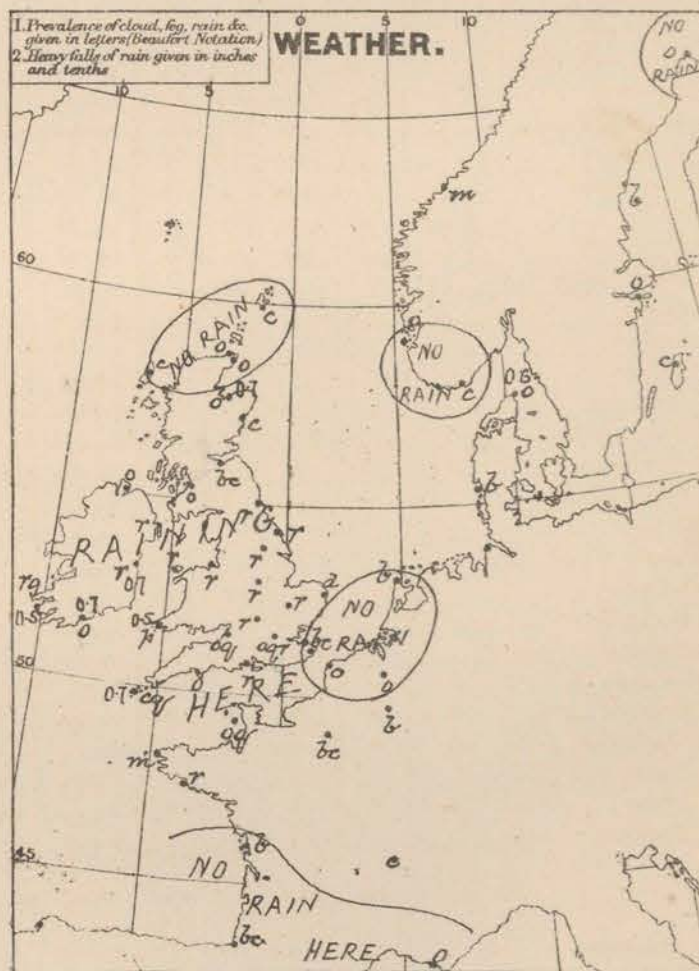
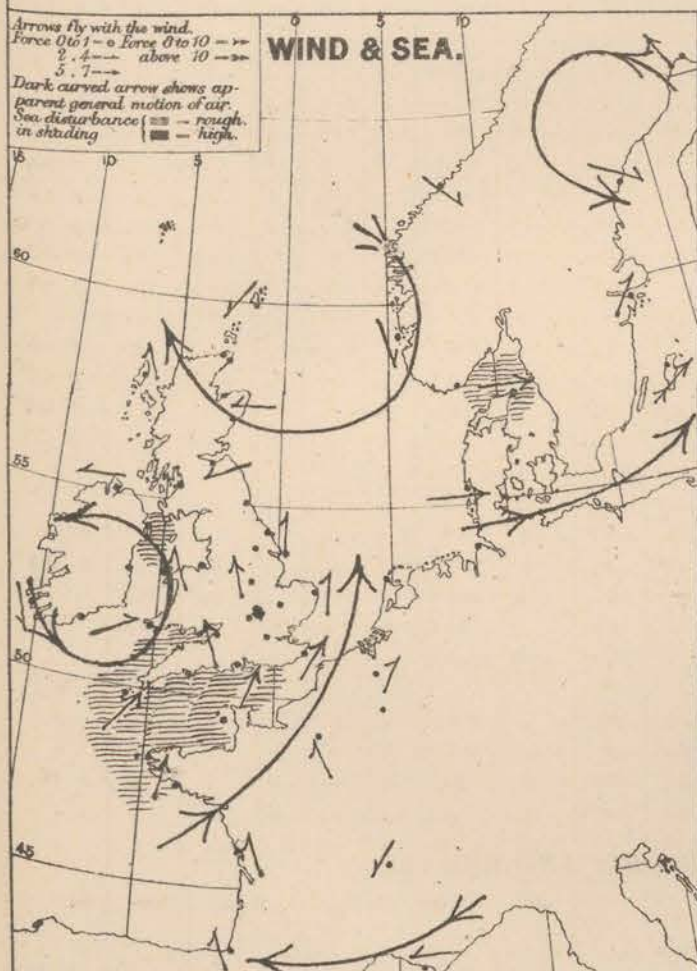
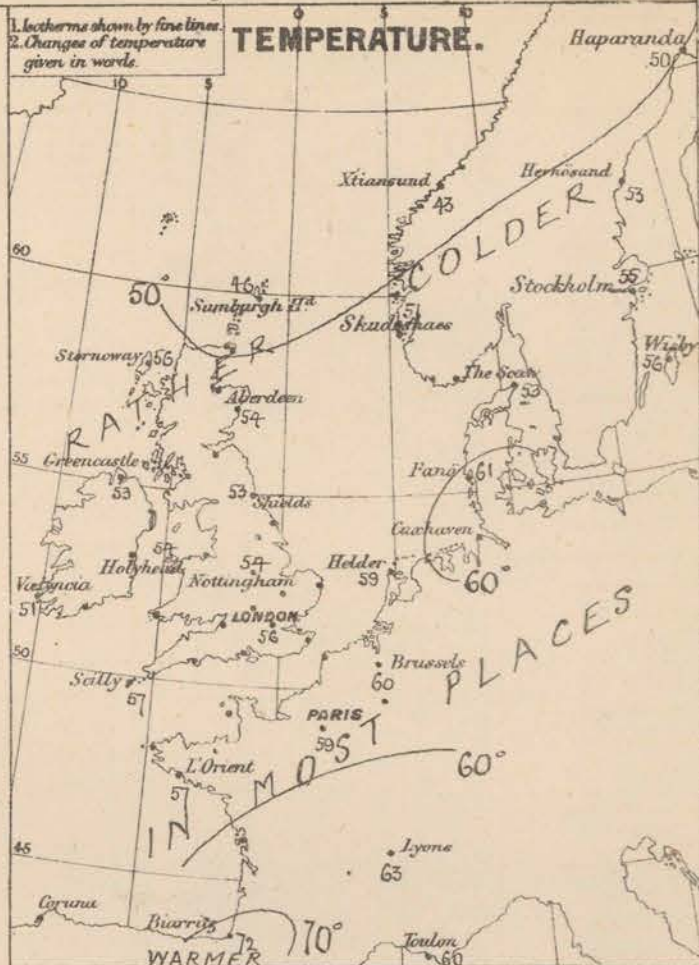
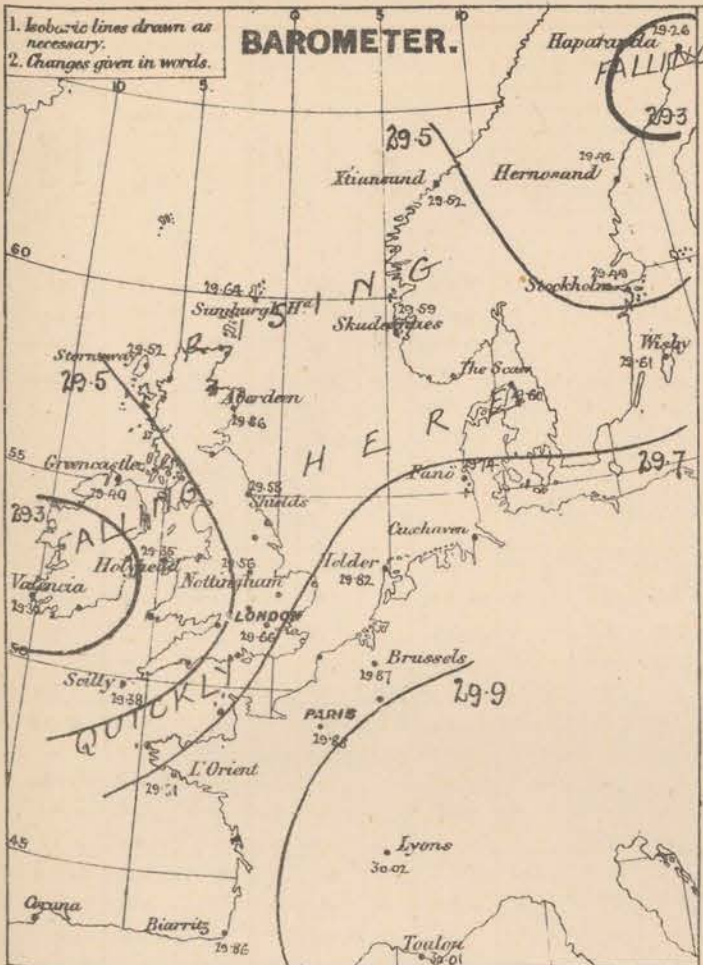
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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.

for 8 a.m. on Tues-day 11 JUNE 1878.



REMARKS. Weather is in a very disturbed condition over the United Kingdom. The sky is overcast generally, and raining equally, weather prevails over England, the E. of Ireland and N. of France. Rain has fallen except in Scotland; heavily on the W. Lowland coasts were seen in several places last night, and a solar halo is reported from Brussels this morning. Temperature has fallen in most places, but the change has been irregular. Readings are very uniform between 50° and 55° in most parts of our Islands to day, but are rather higher in France. Wind has become strong and equally from S and SW over England and the Channel during the night, and at Sicily a strong gale is reported to have occurred between 10 p.m. and 4 a.m. At our N. stations the wind is moderate from the E. and NE. In Scandinavia an altogether distinct circulation is in progress, the wind being NW^{ly} in Norway, SW^{ly} at Stockholm, and SE^{ly} at Haparanda. Sea is rough in the S and SW. Barometrical indications. The barometer continues highest over France, and depressions continue to advance over our W. and N. stations from the Atlantic. The one noticed this morning is rather deeper than many of those recently reported, and shows the increased strength of the SW. winds in the S.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JUNE 12TH

1878.

STATIONS.	* YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	Wind.		Weather.	BAROMETER.		SEASON TEMP.			Wind.		Weather.	Sea (0 to 9).	SEASON TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 320 F. at 320 F.	Dry.	Wet.	Difference from 320 F. at 320 F.	Dir.	Force (0 to 12).			Max.	Min.		
Haparanda ...																		
Hernösand ...	29.61	50	Z	0	6	29.75	+ .33	48	41	- 5	E	2	0	*	*	*	-	
Stockholm ...	29.65	55	SW	2	60	29.81	+ .22	63	59	+ 8	SW	4	0	*	*	*	-	
Wisby ...	29.64	57	W	8	60	29.82	+ .21	62	55	+ 6	SW	6	0	*	*	*	-	
Christiansund ...	29.69	43	NW	2	60	29.69	+ .17	49	41	+ 6	NE	4	60	5	?	36	-	
Skudesnaes ...	29.65	50	NW	4	0	29.47	- .12	49	47	- 2	N	4	7	3	52	?	0.04	
Oxö (Krianoö)	29.68	52	SW	4	0	29.50	- .06	51	51	- 1	SE	4	0	3	54	48	0.47	
Skagen (The Sound)	29.74	53	W	4	6	29.56	- .04	57	55	+ 4	S	5	0	5	59	46	0.24	
Fanö ...	29.66	57	ESE	6	7	29.61	- .13	58	56	- 3	W	6	0	*	61	55	0.04	
Cuxhaven ...	29.73	63	S	2	0	29.69		62	61		W	3	0	*	66	59	-	
Sumburgh Head	29.65	45	NE	3	0	29.59	- .05	46	44	0	NE	6	0	6	57	43	-	
Stornoway	29.46	54	E	7	60	29.58	+ .06	49	46	- 7	E	8	0	7	56	46	-	
Thurso ...	29.56	50	ENE	3	0	29.58	- .02	58	47	+ 1	ENE	4	0	3	53	46	-	
Wick ...	29.54	50	E	4	0	29.55	- .08	48	45	- 1	NNE	4	0	3	53	45	0.01	
Nairn ...	29.45	55	NE	1	0	29.57	- .04	48	47	- 5	NE	6	7	4	58	48	0.14	
Aberdeen ...	29.46	53	E	3	7	29.41	- .15	49	48	- 5	NNE	6	0	4	56	48	0.42	
Leith ...	29.29	52	E	3	7	29.35	- .17	50	50	- 7	ENE	4	0	*	59	50	0.41	
Shields ...	29.29	56	SSE	4	0	29.32	- .26	54	51	+ 1	W	4	0	3	57	50	0.42	
Scarborough	29.35	54	SE	4	7	29.37	- .23	55	53	+ 3	SW	4	0	3	56	51	0.49	
York ...	29.39	56	S	2	7	29.38	- .26	54	52	+ 2	S	1	9	*	60	50	0.50	
Nottingham ...	29.33	58	S	5	7	29.45	- .11	57	53	+ 3	S	7	0	*	65	49	0.33	
Ardrossan ...	29.26	54	NE	4	0	29.36	- .13	56	52	- 1	NNE	3	0	2	59	53	0.17	
Greencastle ...	29.25	57	NE	4	7	29.41	+ .01	54	52	+ 1	NW	2	0	*	54	50	0.47	
Donaghadee ...	29.22	53	ESE	3	60	29.38	- .03	52	52	+ 1	NW	4	0	3	56	50	0.34	
Kingstown ...	29.20	56	WNW	3	7	29.43	+ .14	54	52	0	WNW	4	0	4	58	53	0.61	
Holyhead ...	29.22	57	SW	3	7	29.39	+ .04	53	53	- 1	WNW	3	7	2	61	57	1.04	
Liverpool (Bidston)	29.23	56	SW	3	0	29.36	- .07	53	52	+ 1	W	3	0	3	62	52	0.39	
Valencia ...	29.41	57	NW	3	0	29.66	+ .34	57	53	+ 6	NW	3	60	3	60	50	0.08	
Roche's Point...	29.38	54	W	5	0	29.57	+ .05	57	53	+ 1	NW	5	0	4	59	50	-	
Pembroke ...	29.35	55	WSW	8	0	29.47	+ .14	54	52	+ 1	W	6	0	4	59	52	0.36	
Portishead ...	29.41	54	W	6	7	29.52	+ .05	55	54	- 1	SW	5	0	5	63	47	0.18	
Scilly ...	29.57	56	W	8	0	29.64	+ .26	56	54	- 1	WNW	6	0	6	61	53	0.21	
Plymouth ...	29.53	58	SW	6	0	29.58	+ .10	56	55	- 1	SW	5	0	*	62	53	0.25	
Hurst Castle ...	29.50	57	W	9	60	29.62	+ .01	58	55	+ 1	W	6	0	7	61	54	0.10	
Dover ...	29.58	58	W	5	60	29.67	- .09	58	55	+ 1	W	5	60	4	59	54	0.06	
London ...	29.49	60	SW	6	0	29.59	- .07	58	52	+ 2	SW	5	0	*	63	50	0.11	
Oxford ...	*	*	*	*	*	29.54	- .04	55	52	+ 1	SW	4	0	*	61	48	0.17	
Cambridge ...	29.48	58	S	2	0	29.57	- .08	57	54	+ 2	SW	3	0	*	62	46	0.21	
Yarmouth ...	29.51	60	S	5	60	29.58	- .16	58	52	+ 1	SW	5	60	3	60	49	0.01	
The Helder ...	*	*	*	*	*	29.66	- .16	58	54	- 1	SW	2	60	*	*	*	0.63	
Cape Gris Nez																		
Jersey ...	29.67	57	WSW	6	60	29.77	+ .07	56	54	0	SW	6	60	6	63	52	0.05	
Brest ...	29.75	*	W	4	60	29.78	+ .15	55	55	- 2	W	5	0	6	61	52	-	
L'Orient ...	29.74	57	W	5	0	29.82	+ .11	57	54	0	W	5	60	4	64	52	0.08	
Roche fort ...	29.88	66	W	5	0	29.91	+ .05	61	59	0	W	5	0	4	70	54	0.28	
Biarritz ...	29.92	70	NNE	5	0	30.05	+ .19	59	55	- 13	SW	3	0	3	81	54	0.08	
Coronna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.75	- .12	56	53	- 4	WSW	3	0	*	70	55	0.04	
Charleville ...	*	*	*	*	*	29.73	- .13	56	53	- 3	SW	1	7	*	*	*	*	
Paris ...	29.77	62	SW	1	0	29.80	- .08	57	55	- 2	SW	3	0	*	*	*	0.24	
Lyons ...	*	*	*	*	*	29.92	- .10	68	*	+ 5	NW	6	0	*	*	*	*	
Toulon ...	29.99	68	E	4	0	29.97	- .04	66	61	0	E	4	0	3	77	62	-	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.67		45	WNW	4	3	Valencia	29.89	59	54	W	4	5
Thurso	29.59	57	49	ENE	3	0	Scilly	29.46	57	56	W	9	6
Scarborough ...	29.44	53	53	SE	4	7	London	29.53	59	56	S	5	*
Greencastle ...	29.30	53	52	NE	2	7	Roche fort ...	29.87	68	64	WNW	4	3
Holyhead	29.24	57	56	S	3	7							

A depression over Ireland is moving NE^W and is now near Ringtown. A strong W^W gale has set in at Scilly, and strong S^W to SW^W winds are blowing over the S^W part of England. Our S.W. and S.E. coasts were warned 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.

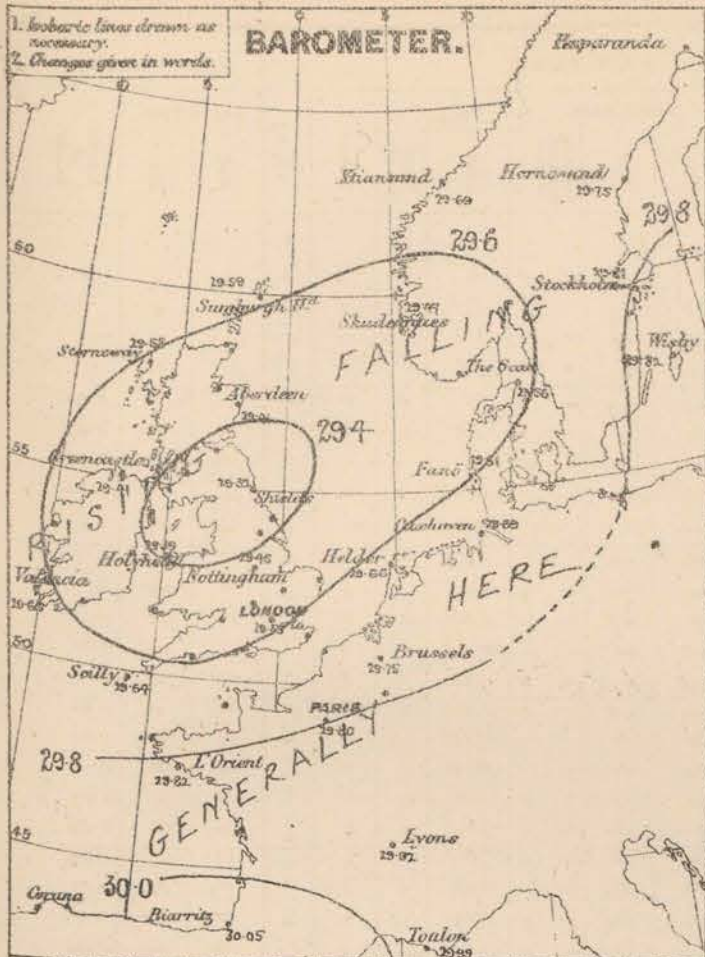
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Wednesday 12 JUNE 1878.

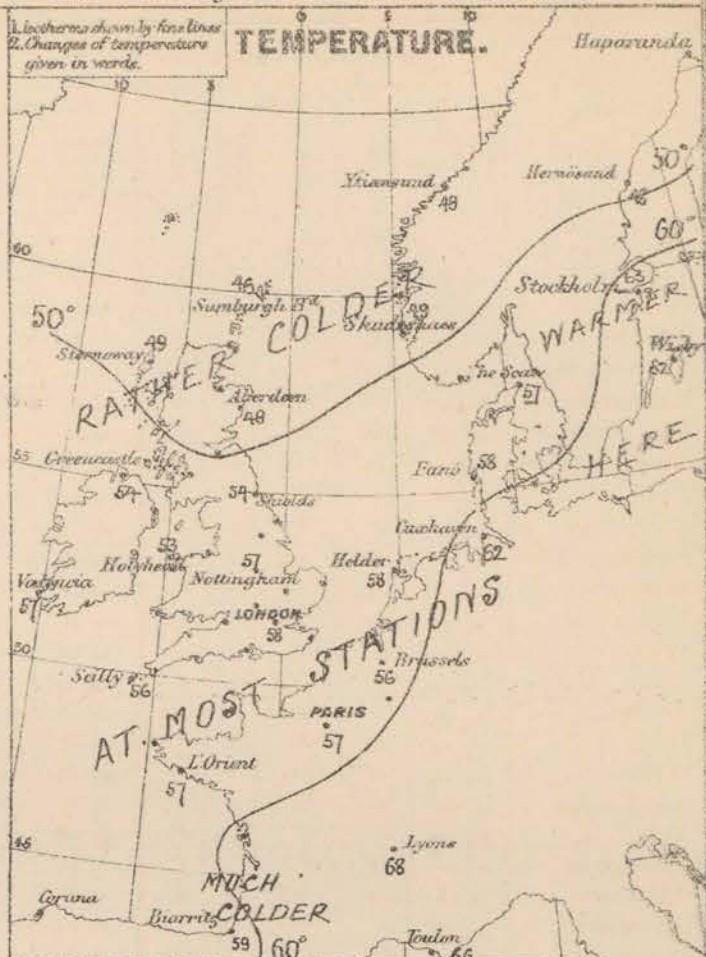
1. Isobars to lines drawn as necessary.
2. Changes given in words.

BAROMETER.



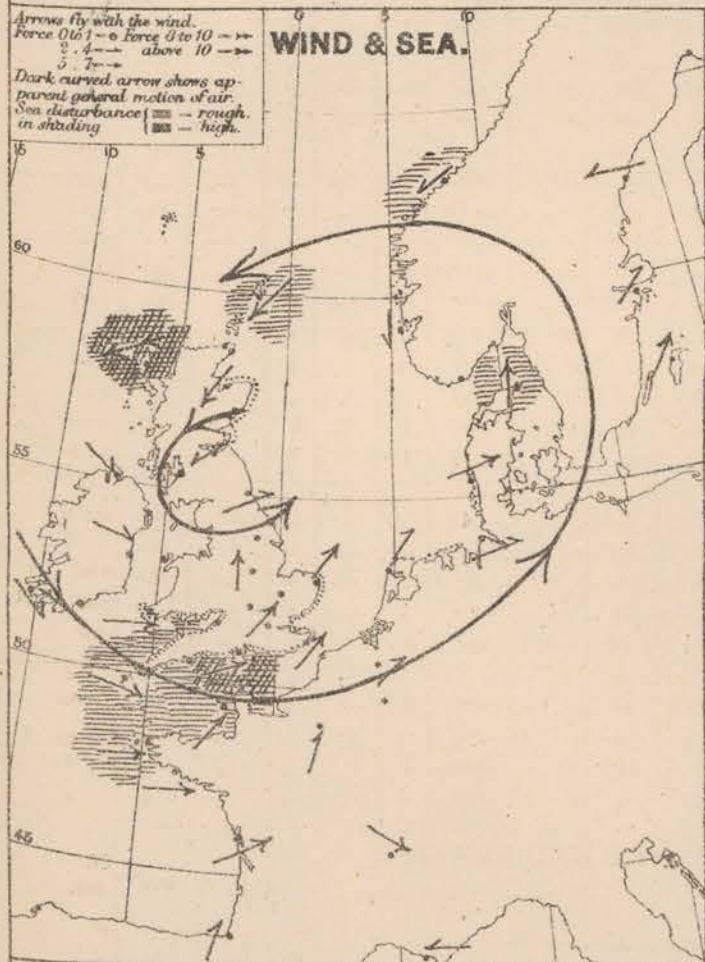
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



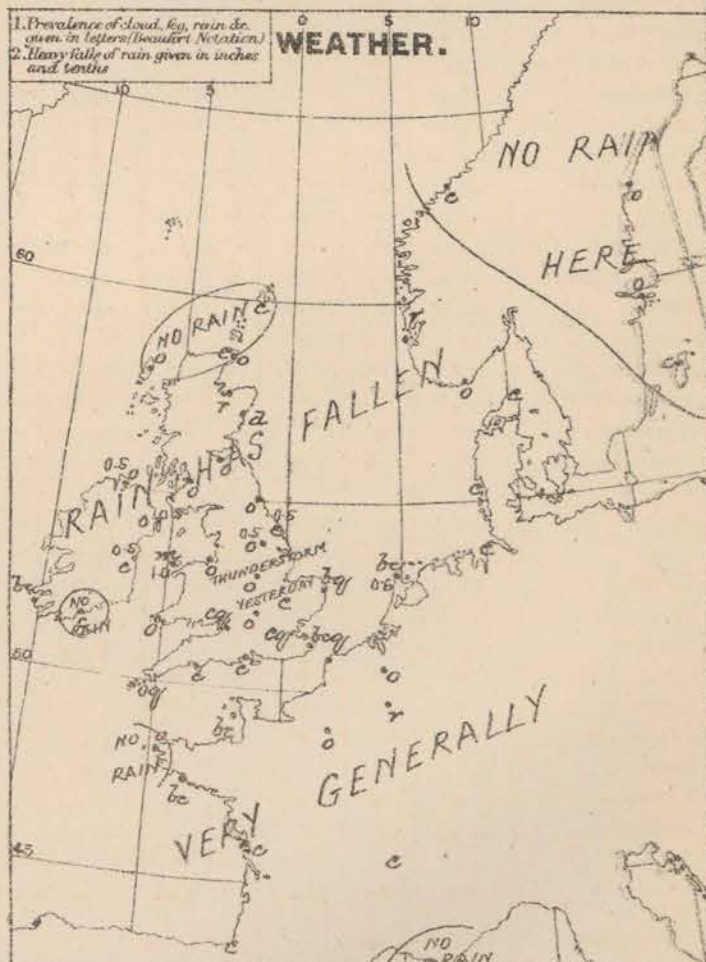
1. Arrows fly with the wind.
- Force 0 to 10 —
- Force 11 to 20 —
- Force 21 to 30 —
- Force 31 to 40 —
- Force 41 to 50 —
- Force 51 to 60 —
- Force 61 to 70 —
- Force 71 to 80 —
- Force 81 to 90 —
- Force 91 to 100 —

WIND & SEA.



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

WEATHER.



Note. A dotted line is drawn round the coast where the signals are sent in.

REMARKS.

Weather is still very unsettled, the sky being cloudy everywhere, with much rain in the N. and a squally shower appeared in the S. Smart showers fell over England and the N. of France yesterday, but the heaviest rain has fallen in the NW and N. and is being reported from Holyhead, about half an inch in the N. part of Ireland and England, and four tenths in the E. of Scotland. Thunderstorms occurred at Nottingham and Cambridge. Temperature is steadily and low for the time of year, the readings varying from 48° in the N. of Scotland to 56° in SE. on our E. and SW. coasts. The maximum values were very little above 60° in any part of our Islands yesterday, and in the N. they were below 55°. Wind is strong and equally from NW in SW coasts, from W. in the S., and from NE in Scotland. At the same time a NE gale is reported. It blew a strong gale from W to SW in the Channel during yesterday afternoon and evening. Waves rough to the N. of Scotland, and in the Channel, moderate to slight elsewhere.

Barometrical indications. The depression noticed in the NW yesterday has reached the N. of England, and appears to be undergoing considerable modification in its form. The barometer is rising in most places, especially in the west. Over SW, S. and SE. coasts wind warmed yesterday morning, and over N. coasts in the evening.

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

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

R. H. SCOTT.

Secretary.

DAILY WEATHER REPORT

JUNE 13TH

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dirco.	Force. (0 to 12).			1.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.72	47	SW	2	bc	29.70	52	45		S	2	0	*	52	43	-			
Hernösand ...	29.64	47	ENE	2	*	29.62	50	49	+ 2	ENE	2	0	*	*	*	0.08			
Stockholm ...	29.70	55	SSH	4	*	29.63	56	55	- 7	Z	0	*	*	*	*	0.32			
Wisby ...	29.76	56	WSW	4	*	29.67	54	54	- 8	W	4	*	*	*	*	0.55			
Christiansund ...	29.65	46	NNE	6	0	29.71	46	41	- 3	NNE	5	0	4	50	41	-			
Skudesnaes ...	29.53	50	SSE	6	*	29.56	50	50	+ 1	SSE	2	0	3	52	50	2.06			
Oxö (Xtiansand)	29.62	53	SSH	4	0	29.60	53	52	+ 2	ESE	4	0	3	?	50	-			
Skagen (The Szw)	29.63	52	WSW	3	0	29.65	57	54	0	S	2	0	2	64	45	-			
Fanö ...	29.68	55	SSH	4	0	29.61	60	57	+ 2	SW	4	0	*	63	54	-			
Cuxhaven ...	29.73	61	SW	2	*	29.71	66	66	+ 4	SSH	3	0	*	?	55	0.30			
Sumburgh Head	29.69	57	NE	6	bc	29.82	47	45	+ 1	NNE	4	0	4	50	40	-			
Stornoway	29.71	50	ENE	8	0	29.90	50	46	+ 1	ENE	4	bc	6	57	46	-			
Thurso ...	29.71	57	NE	3	bc	29.87	50	46	0	N	2	0	3	54	46	-			
Wick ...	29.70	49	NNE	4	0	29.86	49	40	+ 1	NNW	2	0	2	54	44	-			
Nairn ...	29.70	50	NE	4	0	29.89	48	45	0	NE	1	0	2	53	46	0.02			
Aberdeen ...	29.61	50	N	6	0	29.83	49	45	0	N	5	0	3	50	45	0.12			
Leith ...	29.58	52	NNE	3	0	29.84	54	49	+ 4	E	1	bc	*	55	45	-			
Shields ...	29.48	52	N	5	0	29.83	49	45	- 5	NE	4	0	4	56	45	0.08			
Scarborough	29.45	55	NN	2	*	29.80	49	47	- 6	N	3	0	2	60	48	0.05			
York ...	29.49	56	NN	2	0	29.83	50	47	- 4	N	2	0	*	60	47	0.20			
Nottingham ...	29.56	57	SW	3	0	29.85	57	49	- 6	N	3	0	*	63	57	0.10			
Ardrossan ...	29.60	55	NE	2	*	29.83	53	48	- 3	E	2	0	1	61	48	-			
Greencastle ...	29.61	54	N	1	0	29.87	52	57	- 2	E	2	0	*	58	47	0.02			
Donaghadee ...	29.60	55	NNW	3	0	29.82	49	47	- 3	E	4	0	3	61	48	0.18			
Kingstown ...	29.65	57	NN	4	0	29.78	55	53	+ 1	NN	4	0	4	59	52	0.01			
Holyhead ...	29.62	55	NNN	4	0	29.79	55	54	+ 2	WSW	2	0	1	58	53	0.03			
Liverpool (Ediston)	29.57	52	W	3	0	29.80	54	50	- 2	ENE	1	*	2	56	50	0.29			
Valencia ...	29.79	56	NNN	3	0	29.77	56	52	- 1	W	2	0	3	63	48	0.04			
Roche's Point...	29.78	58	NN	4	bc	29.80	57	53	0	W	2	0	3	64	57	-			
Pembroke ...	29.69	57	W	6	0	29.81	58	55	+ 4	WSW	1	0	3	58	51	-			
Portishead ...	29.70	58	WSW	6	0	29.80	57	55	+ 2	SSW	4	0	3	63	52	0.05			
Scilly ...	29.84	58	W	6	0	29.83	57	56	+ 1	SSE	4	0	5	59	54	0.03			
Wynmouth ...	29.79	59	W	5	bc	29.86	59	56	+ 3	W	1	bc	*	61	52	0.06			
Hurst Castle ...	29.74	61	W	5	0	29.86	58	56	0	W	4	bc	5	62	53	0.01			
Dover ...	29.67	57	WSW	5	0	29.85	60	55	+ 2	WSW	3	bc	3	61	52	-			
London ...	29.64	60	WSW	4	cp	29.84	57	54	- 1	W	2	bc	*	65	50	0.14			
Oxford ...	*	*	*	*	*	29.83	57	54	+ 2	WSW	1	0	*	62	52	0.11			
Cambridge ...	29.64	55	SW	1	0	29.85	53	52	- 4	N	1	0	*	64	52	0.19			
Yarmouth ...	29.58	59	E	4	bc	29.80	56	53	- 2	NNN	2	0	2	64	52	0.11			
The Helder ...	*	*	*	*	*	29.71	56	54	- 2	WSW	4	0	*	*	*	-			
Cape Gris Nez	29.73	57	SW	7	0	29.85	58	54		WSW	5	bc	4	63	54	-			
Jersey ...	29.89	57	WSW	6	0	29.94	56	54	0	SW	2	0	2	60	53	0.02			
Brest ...	29.98	?	W	4	0	29.93	55	54	0	SW	4	0	4	61	52	0.08			
L'Orient ...	30.00	59	NNN	5	*	29.93	57	54	0	WSW	4	0	3	64	52	0.04			
Rochefort ...	30.09	64	NNN	5	0	30.04	59	57	- 2	WSW	3	0	3	66	52	-			
Biarritz ...	30.15	68	NNN	1	0	29.94	59	55	0	ENE	0	0	3	?	50	-			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
Brussels ...	*	*	*	*	*	29.90	56	52	0	WSW	3	0	*	66	53	0.47			
Charleville ...	*	*	*	*	*	29.91	53	*	- 3	SSH	3	0	*	*	*	*			
Paris ...	29.89	62	WSW	3	0	29.99	58	54	+ 1	SW	4	0	*	*	*	0.04			
Lyons ...	*	*	*	*	*	30.11	64	*	- 4	NE	2	0	*	*	*	*			
Toulon ...	29.95	68	W	4	W	29.98	61	55	- 5	NN	5	0	4	75	48	-			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.49	52	50	SSE	6	+	4	Valencia	29.74	60	55	NNN	3	bc	5
Thurso	29.66	54	48	NE	4	0	3	Scilly	29.84	59	56	NNN	6	e	6
Scarborough ...	29.39	58	55	SW	4	0	4	London	29.59	64	59	SW	5	cp	*
Greencastle ...	29.53	54	52	N	2	0	*	Rochefort ...	30.04	66	61	NNN	6	bc	4
Holyhead	29.57	56	54	NNN	5	0	4								

The barometer is rising irregularly. The Wth and SWth wind is still strong and equally over 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.

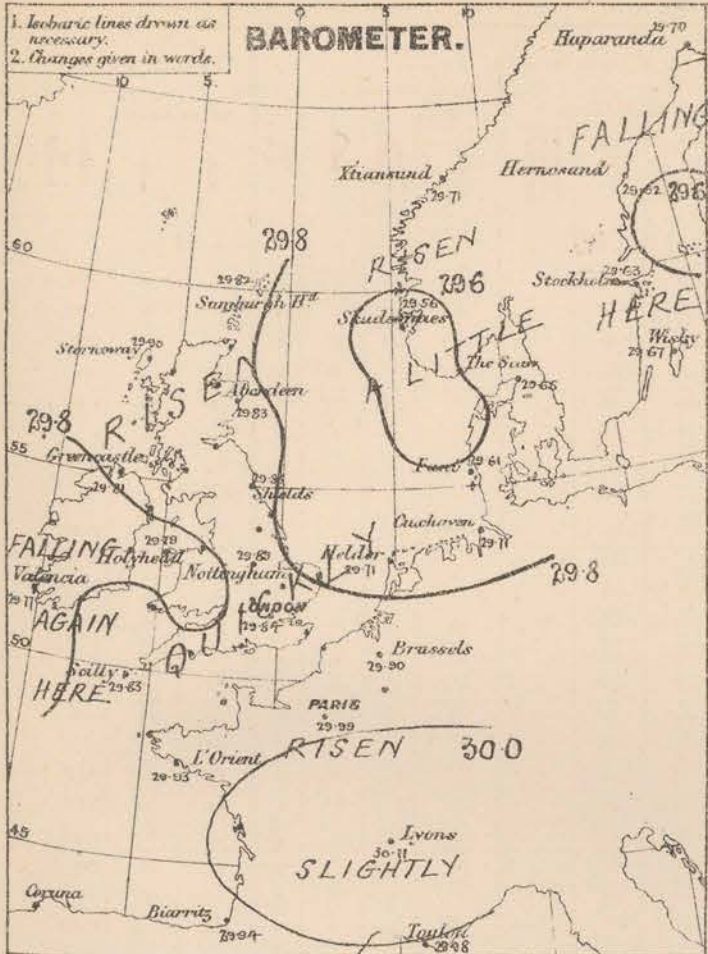
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 Thursday 13 JUNE 1876

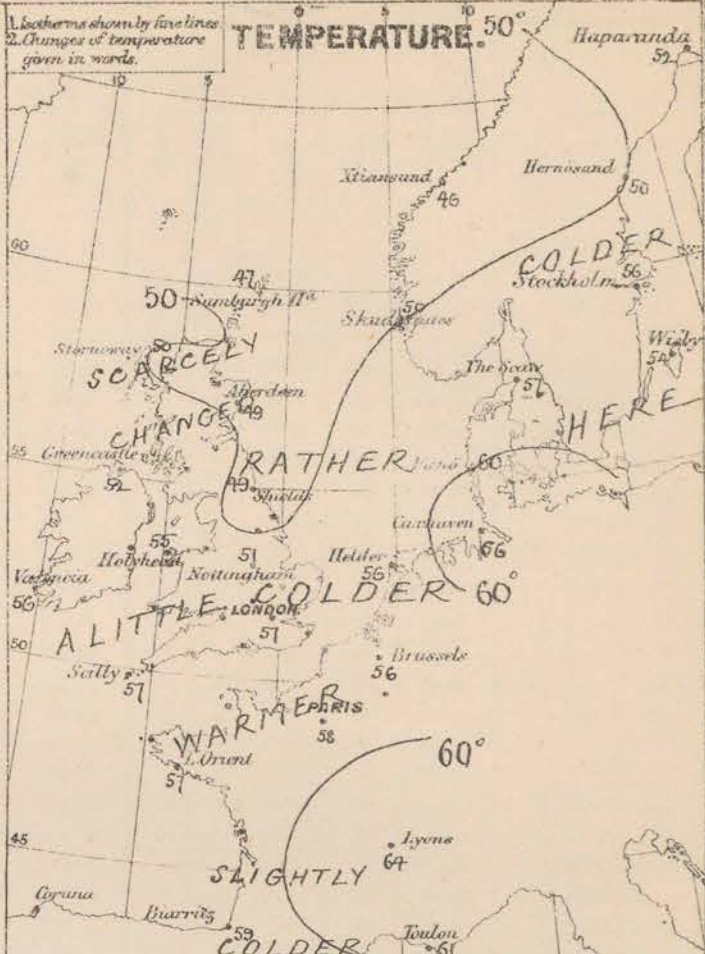
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



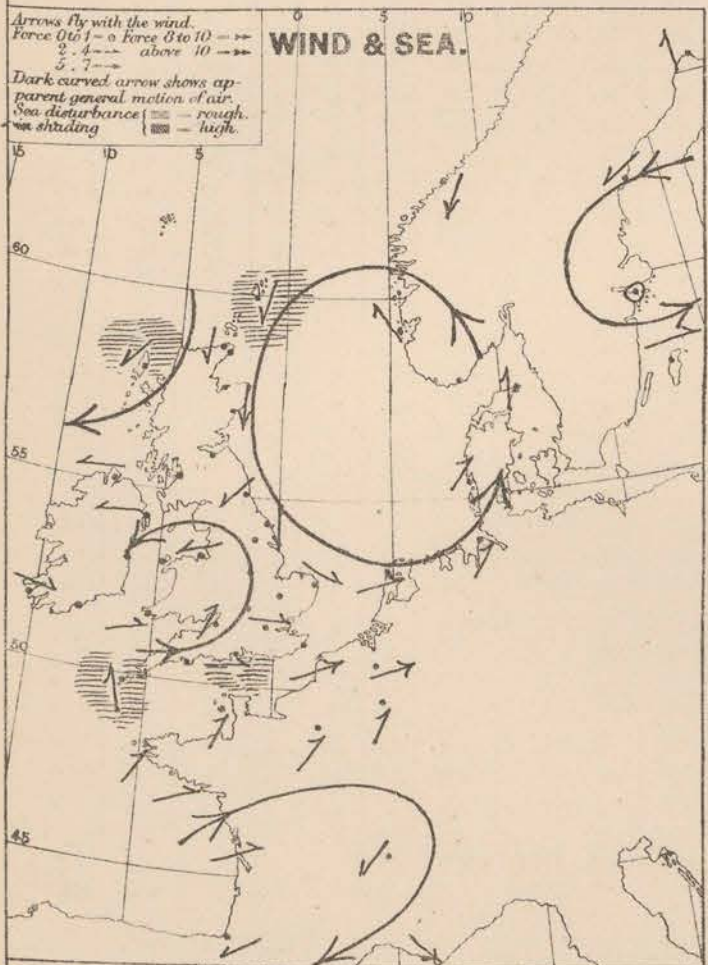
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



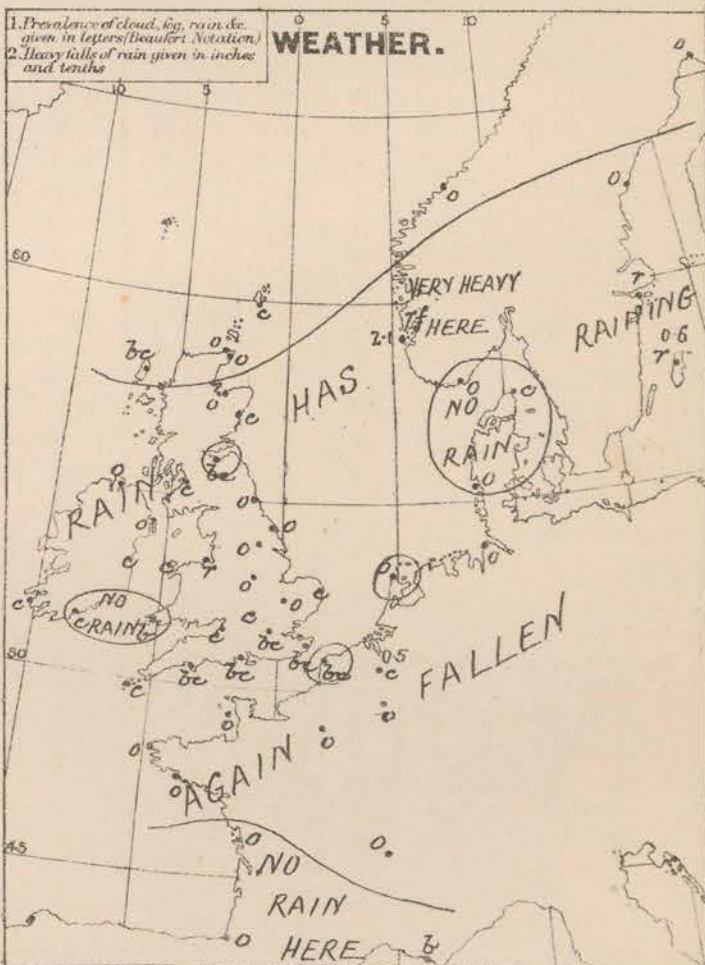
1. Arrows fly with the wind. Force 0 to 10 ———— 2. 4 ———— above 10 ———— 3. 7 ————
- Dark curved arrow shows apparent general motion of air.
- Sea disturbance (—) — rough (—) — high (—) — shading

WIND & SEA.



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

WEATHER.



REMARKS. Weather though somewhat finer generally than during the past day or two is far from being settled. The sky is rather cloudy in most places, overcast in some, and rain is falling at L'pool, St. Andrew, and in the SE. of Sweden. Rain fell at all but our most N. stations yesterday, but the amounts reported are not large, except at St. Andrew where more than two inches is reported to have fallen. Temperature is changing very irregularly. In the N. of England it has fallen several degrees and is as low as 49° on all our NE. coasts, while it varies from 57° to 60° in the S. of England. Winds is extremely variable. On our N. and NE. coasts it is chiefly N., and draws round through NW at Yarmouth to SW in Holland. In the Channel, and Bay of Biscay it is W. and WNW, but is backing towards SE at Scilly. Sea is rough at Stornoway, moderate or slight elsewhere. Barometrical indications. Barometrical pressure is as high as 30.1 ins. over the S. parts of France while it is 29.9 ins. at Stornoway. A depression lies off the E. of Norway, and the barometer reads as low as 29.56 ins. at St. Andrew, and another one appears to be lying off our SW. coasts, the barometer at Valentia being 29.77 ins. and falling.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT JUNE 14TH 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.				
Haparanda ...													*						
Hernösand ...													*	*	*				
Stockholm ...													*	*	*				
Wisby ...													*	*	*				
Christiansund ...	29.82	46	NE	5	C	29.87	+ .16	47	43	+ 1	NE	4	3	45	41	-			
Skudesnaes ...	29.65	49	NW	4	C	29.73	+ .17	51	49	+ 1	NW	4	4	55	48	-			
Oxö (Xtiansand) ...	29.62	51	NE	4	0	29.70	+ .10	53	52	0	NNE	2	2	54	43	0.12			
Skagen (The Sæw) ...	29.59	55	SSW	2	†	29.69	+ .04	55	54	- 2	W	2	2	59	48	0.08			
Fanö ...	29.75	53	W	4	0	29.79	+ .18	53	51	- 7	W	4	†	61	52	0.08			
Cuxhaven ...	29.85	58	NNW	4	0	29.87	+ .16	57	55	- 9	NW	1	0	59	50	0.13			
Sumburgh Head ...	29.89	48	N	4	bc	29.95	+ .13	48	45	+ 1	NNE	3	2	52	39	0.03			
Stornoway ...	29.95	51	ENE	4	C	29.98	+ .08	50	47	0	Z	0	0	52	47	-			
Thurso ...	29.97	53	N	2	C	29.99	+ .10	52	49	+ 2	NW	2	2	56	40	-			
Wick ...	29.96	51	NE	1	0	29.98	+ .12	52	48	+ 3	NW	1	0	54	34	-			
Nairn ...	29.95	51	Z	0	bc	29.98	+ .09	50	46	+ 2	Z	0	0	54	46	-			
Aberdeen ...	29.92	51	N	3	0	29.98	+ .15	51	46	+ 2	N	2	2	52	44	-			
Leith ...	29.91	52	ESE	3	bc	29.97	+ .13	49	46	- 5	SSE	1	0	57	44	-			
Shields ...	29.93	51	NE	4	bc	29.98	+ .15	51	47	+ 2	N	2	bc	53	41	-			
Scarborough ...	29.90	51	NW	2	0	29.96	+ .16	47	46	- 2	ESE	2	0	58	247	-			
York ...	29.91	53	NE	3	0	29.98	+ .15	52	47	+ 2	NE	1	0	56	46	-			
Nottingham ...	29.89	54	NNE	3	0	29.98	+ .13	53	47	+ 2	NE	4	0	58	46	0.01			
Ardrossan ...	29.89	63	SE	2	bc	29.97	+ .14	53	48	- 0	SE	1	0	65	50	-			
Greencastle ...	29.89	59	NNE	2	C	29.96	+ .15	55	52	+ 3	S	1	bc	62	42	-			
Donaghadee ...	29.90	55	SSE	3	bc	29.98	+ .16	53	50	+ 4	SE	3	bc	57	48	-			
Kingstown ...	29.86	59	ENE	1	C	29.95	+ .17	54	51	- 1	E	4	0	60	52	0.09			
Holyhead ...	29.83	60	ENE	3	C	29.92	+ .13	54	51	- 1	E	4	bc	63	50	-			
Liverpool (Bidston) ...	29.85	55	E	3	0	29.96	+ .16	51	46	0	E	2	bc	57	46	-			
Valencia ...	29.82	57	N	2	0	29.92	+ .15	59	56	+ 3	Z	0	bc	62	48	0.09			
Roche's Point ...	29.82	62	SE	3	C	29.91	+ .11	56	52	- 1	NNE	2	bc	68	52	-			
Pembroke ...	29.82	61	WSW	1	bc	29.88	+ .07	54	51	- 4	E	3	bc	65	50	-			
Portishead ...	29.83	60	WNW	3	C	29.89	+ .09	50	49	- 7	NNE	4	0	66	47	-			
Scilly ...	29.79	55	ESE	5	0	29.86	+ .03	59	56	+ 2	ENE	4	C	60	52	0.09			
Plymouth ...	29.82	58	SSE	1	C	29.85	- .01	57	54	- 2	SE	2	0	62	51	0.03			
Hurst Castle ...	29.84	61	S	3	bc	29.86	00	55	54	- 3	NE	4	0	63	53	-			
Dover ...	29.86	58	WSW	3	bc	29.85	00	55	53	- 5	ENE	4	0	63	54	-			
London ...	29.85	57	E	1	0†	29.89	+ .05	51	48	- 6	NE	1	0	70	49	0.06			
Oxford ...	*	*	*	*	*	29.91	+ .08	51	47	- 6	E	2	0	66	49	-			
Cambridge ...	29.86	55	NNE	1	0	29.95	+ .10	53	49	0	NE	2	C	63	46	0.88			
Yarmouth ...	29.89	54	NNE	2	bc	29.92	+ .12	54	49	- 2	ENE	3	bc	57	49	-			
The Helder ...	*	*	*	*	*	29.90	+ .19	53	48	- 3	N	1	bc	*	*	-			
Cape Gris Nez ...																			
Jersey ...	29.85	55	S	1	0	29.82	- .12	55	55	- 1	NE	3	om	60	52	0.14			
Brest ...	29.81	?	SSE	4	†	29.82	- .11	54	52	- 1	E	3	0	59	45	0.16			
L'Orient ...	29.83	54	S	3	†	29.79	- .14	55	54	- 2	E	3	0	63	50	0.12			
Rocheport ...	29.81	63	SE	3	†	29.75	- .29	59	57	0	E	1	0	64	52	0.12			
Biarritz ...	29.80	68	S	3	0	29.80	- .14	59	55	0	SW	4	†	78	54	0.28			
Corunna ...	*	*	*	*	*	29.86	- .14	65	*	+ 3	W	9	op	*	*	*			
Brussels ...	*	*	*	*	*	29.82	- .08	59	55	+ 3	E	5	0	66	54	-			
Charleville ...	*	*	*	*	*	29.72	- .19	58	*	+ 5	E	1	†	*	*	*			
Paris ...	29.86	61	SE	3	†	29.76	- .23	57	55	- 1	ESE	3	†	*	*	0.43			
Lycns ...	*	*	*	*	*	29.74	- .37	64	0	0	E	2	†	*	*	*			
Toulon ...	29.92	66	NW	4	0	29.80	- .18	63	59	+ 2	? E	4	0	75	61	-			

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.62	55	52	NW	6	C	4	Valencia	29.80	58	55	WSW	1	op	2
Thurso	29.95	54	50	N	3	bc	3	Scilly	29.80	57	54	SE	5	0	
Scarborough ...	29.88	53	49	NNW	3	bc	2	London	29.83	67	61	SW	8	0	*
Greencastle ...	29.87	58	52	ENE	2	C	*	Rocheport ...	?	63	59	E	2	0	2
Holyhead	29.83	60	57	NE	3	C	2								

The barometer is falling slowly in the SW. but rising elsewhere. The SE^{ly} wind has freshened slightly at Scilly, and the weather appears threatening and showery in the S. and W.

EXPLANATION OF COLUMNS.

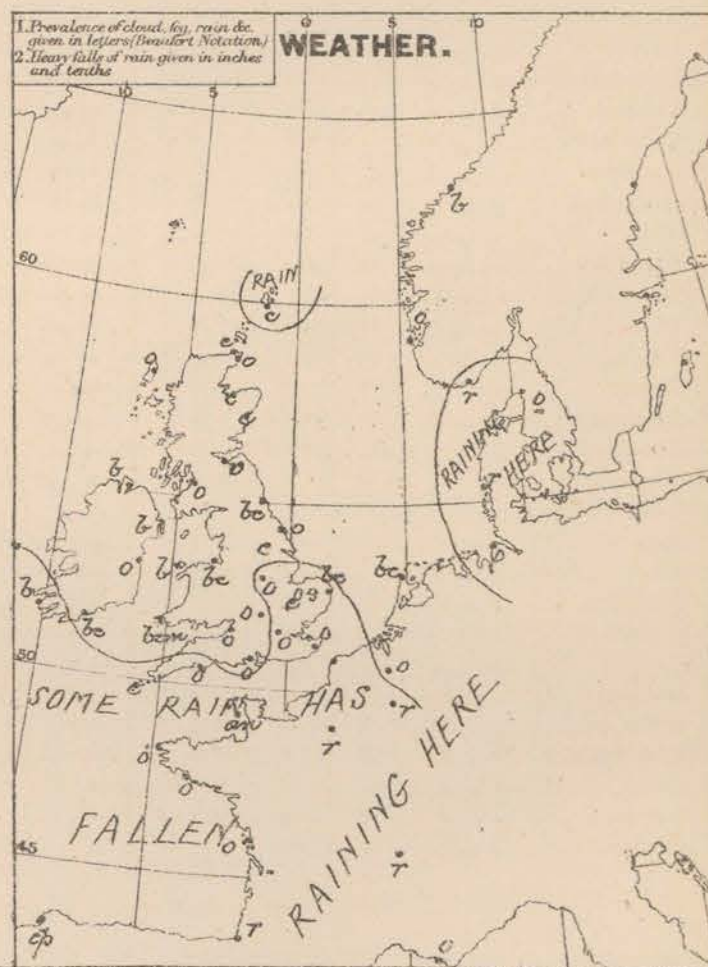
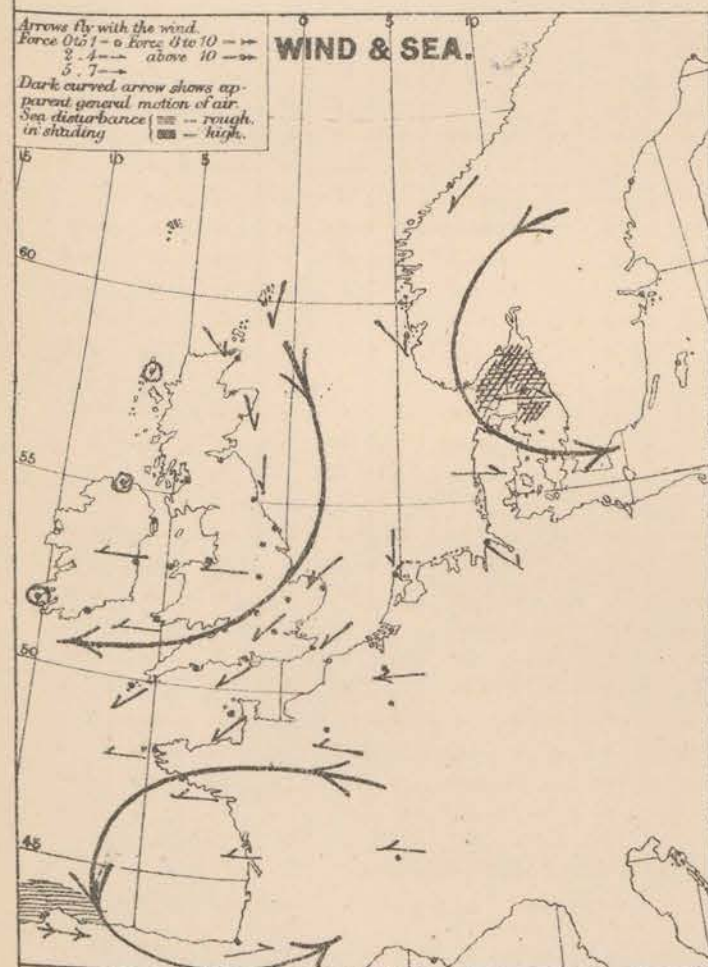
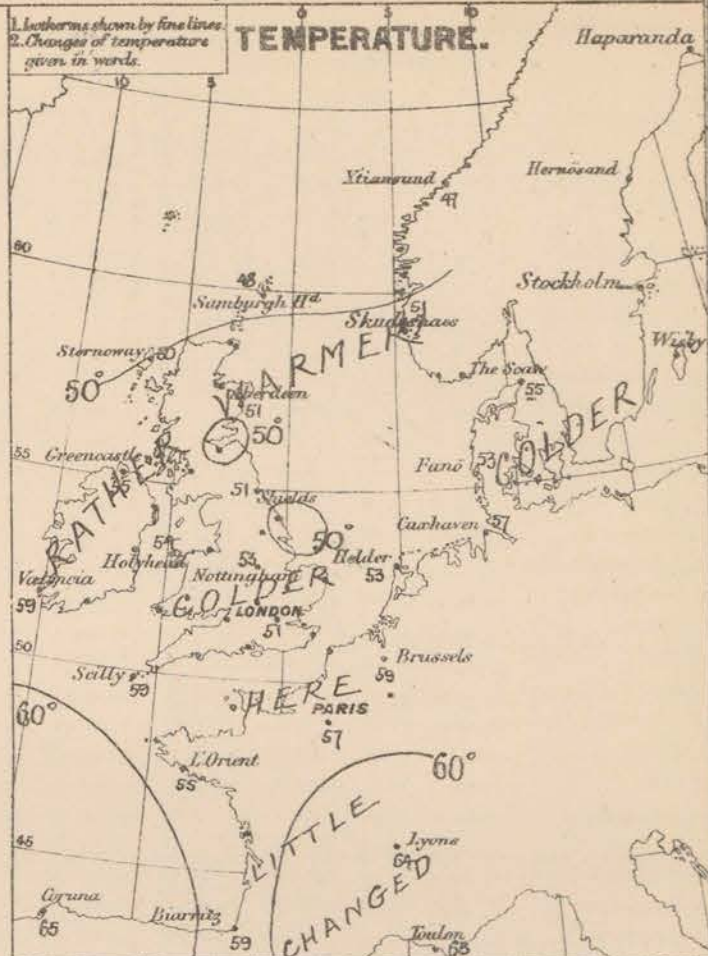
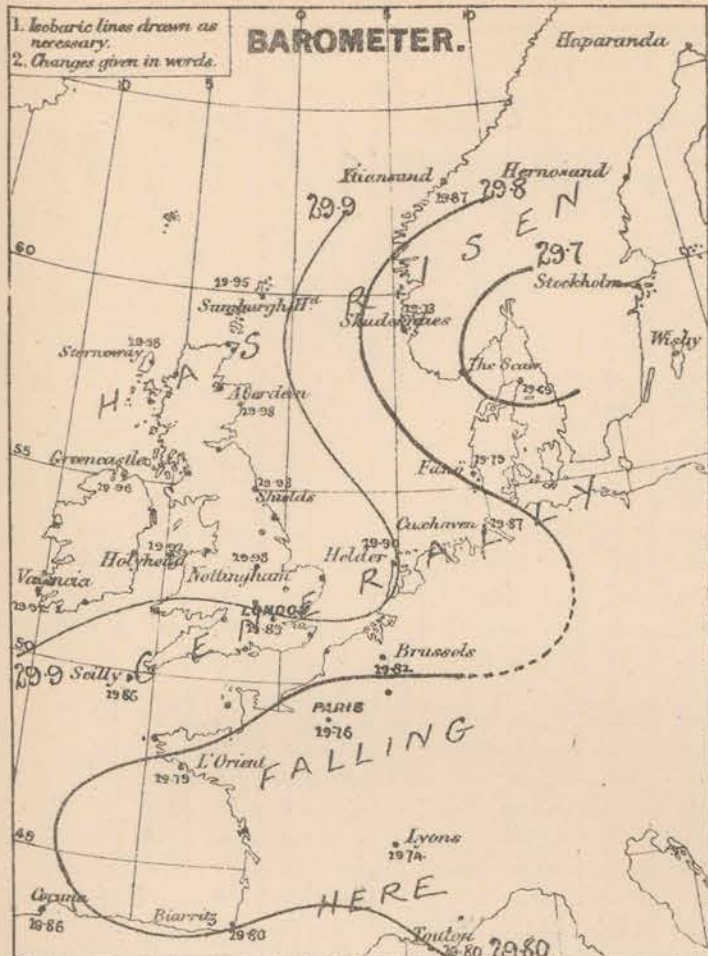
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 14 JUNE 1878.



REMARKS. Weather is at present fine over our W coasts, dull elsewhere, with rain at Leith and almost all over France. Sea is calm over the sky is densely overcast and the appearance is rainy. Heavy rain fell in the N suburbs of London yesterday afternoon, and heavy rain in some of the W districts but in the S the fall was much less heavy, and did not commence till later in the day. At Lancaster & other very heavy showers fell, the total fall there being 0.88 in. Temperature has fallen considerably in the S, and is now very low generally for the time of year. The readings this morning are as follows: 46° at Scarborough, 49° at Leith and 51° in London, while at Valencia and Seville they are 59°. The S of England is consequently about 10° colder than the average for time. Wind is light generally, - N or NE over our NE coasts, NW in Norway and W in Denmark. Over the S parts of our Islands, and N of France it is E, while in the N of Spain, and W of France it is W and blows a gale at Corunna. Sea is rough off the NW of Spain, slight over our coasts. Barometrical indications. The depression noticed in the NE yesterday is moving away very slowly over the S of France. Areas of relatively high and uniform pressure has been formed over our Islands, where a band of rather low pressure has appeared over France and the Bay of Biscay.

DAILY WEATHER REPORT JUNE 15TH 1878.

STATIONS.	* YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.86	48	NW	2	o	30.02		50	46		NE	2	bc	*	55	45	-	
Hernösand ...	29.84	50	S	2	o	29.97		51	46		NNE	8	o	*	*	*	-	
Stockholm ...	29.79	53	Z	0	f	29.89		52	50		N	4	c	*	*	*	0.39	
Wisby ...	29.78	53	S	6	o	29.79		53	51		NNE	4	o	*	*	*	-	
Christiansund ...	29.90	47	NE	6	o	29.88	+ .01	51	46	+ 4	NE	4	o	3	52	41	-	
Skudesnaes ...	29.80	50	NNN	2	c	29.84	+ .21	53	50	+ 2	N	2	c	2	55	50	-	
Oxö (Årland)	29.78	53	SW	4	o	29.82	+ .12	54	51	+ 1	NE	4	o	2	59	50	-	
Skagen (The Skaw)	29.78	55	WSW	3	o	29.83	+ .14	58	55	+ 3	E	2	c	2	61	50	-	
Fanö ...	29.83	51	NNN	2	c	29.79	.00	54	51	+ 1	NE	2	c	*	64	48	-	
Cuxhaven ...	29.97	56	N	2	bc	29.75	+ .12	56	56	- 1	NE	2	bc	*	57	52	-	
Sumburgh Head	29.94	48	NNE	3	c	29.88	- .07	48	46	o	NNE	3	c	4	51	43	-	
Stornoway	29.89	52	ENE	5	o	29.82	- .16	54	50	+ 4	SSE	3	bc	2	54	46	-	
Thurso ...	29.96	54	N	1	bc	29.90	- .09	52	46	o	ENE	1	o	3	58	36	-	
Wick ...	29.96	52	E	1	o	29.89	- .09	52	46	o	SE	2	o	2	58	33	-	
Nairn ...	29.95	54	E	2	bc	29.89	- .09	50	46	o	Z	0	c	0	59	39	-	
Aberdeen ...	29.95	50	ENE	2	c	29.88	- .10	50	46	- 1	E	1	bc	1	54	39	0.06	
Leith ...	29.91	55	ESE	3	bc	29.84	- .13	55	51	+ 6	ENE	1	c	*	56	48	-	
Shields ...	29.97	50	ENE	2	o	29.90	- .08	47	45	- 4	N	1	o	2	53	42	-	
Scarborough	29.94	50	NN	2	o	29.88	- .08	49	48	+ 2	SSE	1	m	2	56	44	-	
York ...	29.96	52	E	1	o	29.91	- .07	52	48	o	NE	1	o	*	56	46	-	
Nottingham ...	29.95	54	NE	3	o	29.91	- .07	54	51	+ 1	S	2	og	*	60	44	-	
Ardrossan ...	29.92	57	WSW	3	c	29.86	- .11	56	52	+ 3	NE	2	bc	1	61	49	-	
Greencastle ...	29.89	58	ENE	1	o	29.80	- .16	59	53	+ 4	E	1	o	*	67	45	-	
Donaghadee ...	29.93	53	SSE	2	o	29.84	- .14	55	53	+ 2	ESE	2	o	1	60	44	-	
Kingstown ...	29.93	57	E	4	o	29.84	- .11	55	53	+ 1	S	3	od	3	58	53	0.04	
Holyhead ...	29.91	58	NE	3	o	29.85	- .07	53	52	- 1	SW	1	m	1	62	50	-	
Liverpool (Bidston)	29.90	57	ESE	1	o	29.86	- .10	50	48	- 1	SE	1	o	1	59	48	0.02	
Valencia ...	29.90	58	WSW	3	c	29.77	- .15	55	52	- 4	SW	3	fm	3	63	52	0.12	
Roche's Point...	29.91	60	SSW	3	c	29.82	- .09	60	56	+ 4	SSE	1	bc	2	68	52	-	
Pembroke ...	29.90	59	N	1	bc	29.85	- .05	56	54	+ 2	SE	2	cm	2	64	51	-	
Portishead ...	29.89	57	NNE	2	o	29.86	- .03	53	49	+ 3	NE	1	o	2	60	44	-	
Scilly ...	29.93	60	NNN	2	bc	29.89	+ .03	60	58	+ 1	WSW	2	c	1	62	53	0.07	
Plymouth ...	29.89	57	SW	1	o	29.89	+ .04	55	53	- 2	SE	1	o	*	64	53	0.46	
Hurst Castle ...	29.87	58	NE	4	o	29.89	+ .03	56	51	+ 1	NNE	2	bc	2	61	50	-	
Dover ...	29.86	54	ENE	4	o	29.86	+ .01	53	48	- 2	N	3	o	2	58	49	-	
London ...	29.89	56	NE	2	og	29.88	- .01	53	48	+ 2	NNE	1	c	*	56	46	-	
Oxford ...	*	*	*	*	*	29.90	- .01	51	47	o	NNE	1	o	*	56	41	-	
Cambridge ...	29.92	57	NNE	1	bc	29.90	- .05	54	50	+ 1	N	1	bc	*	61	39	-	
Yarmouth ...	29.90	54	NNE	3	bc	29.86	- .06	54	47	o	N	3	bc	2	57	47	-	
The Helder ...	*	*	*	*	*	29.80	- .10	53	49	o	N	2	c	*	*	*	-	
Cape Gris Nez	29.85	52	NNE	6	o	29.86		52	48		NE	2	o	3	57	50	-	
Jersey ...	29.88	55	NE	4	o	29.94	+ .12	54	51	- 1	E	1	o	1	58	49	0.16	
Brest ...	29.94	?	N	4	bc	29.98	+ .16	?	54	?	N	?	?	3	64	50	-	
L'Orient ...	29.85	59	N	3	c	29.96	+ .17	55	54	o	NNN	1	m	3	66	52	0.04	
Rochefort ...	29.80	66	NN	4	bc	29.91	+ .16	59	57	o	NN	4	c	3	66	54	-	
Biarritz ...	29.86	64	SE	5	T	30.02	+ .22	61	59	+ 2	NNN	4	c	3	?	55	0.20	
Corunna ...	*	*	*	*	*			*	*		*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.77	- .05	51	48	- 8	NE	4	o	*	64	48	0.16	
Charleville ...	*	*	*	*	*	29.70	- .02	49	*	- 9	NNN	6	T	*	*	*	*	
Paris ...	29.73	60	NE	3	o	29.82	+ .06	53	47	- 4	NNN	3	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	64	*	o	NN	2	T	*	*	*	*	
Toulon ...	29.72	63	E	1	o	29.72	- .08	59	55	- 4	NN	6	bc	6	63	59	0.12	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.76	55	51	NNT	2	bc	2	Valencia	29.91	62	59	NST	3	bcw	4
Thurso	29.98	56	52	NT	2	bc	2	Scilly	29.96	60	57	N	1	bc	4
Scarborough ...	29.96	53	50	NW	2	o	2	London	29.90	56	53	NE	1	og	*
Greencastle ...	29.92	64	57	E	2	c	*	Rochefort ...	29.77	66	61	NT	3	bc	3
Holyhead	29.93	58	53	NE	4	o	3								

Pressure is changing very little and readings continue very uniform over these Islands. The winds are light.

EXPLANATION OF COLUMNS.

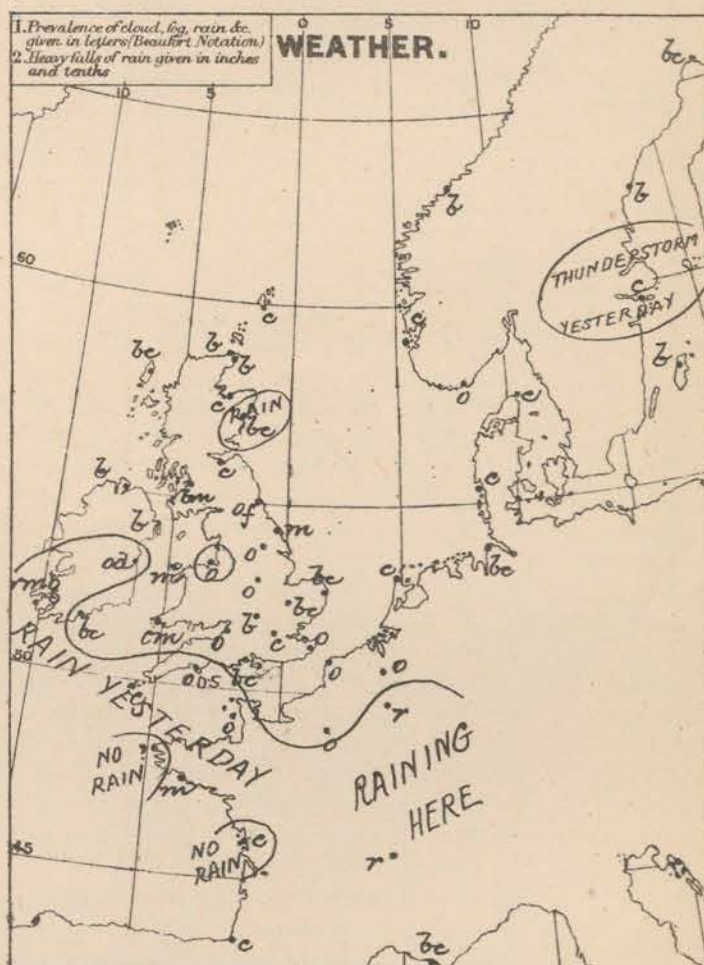
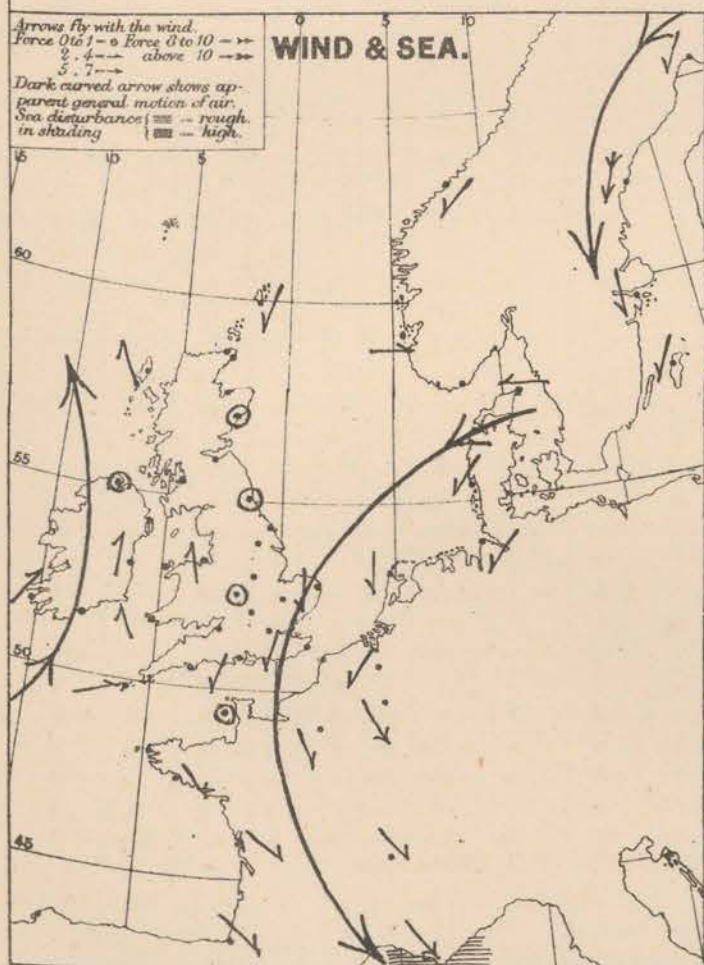
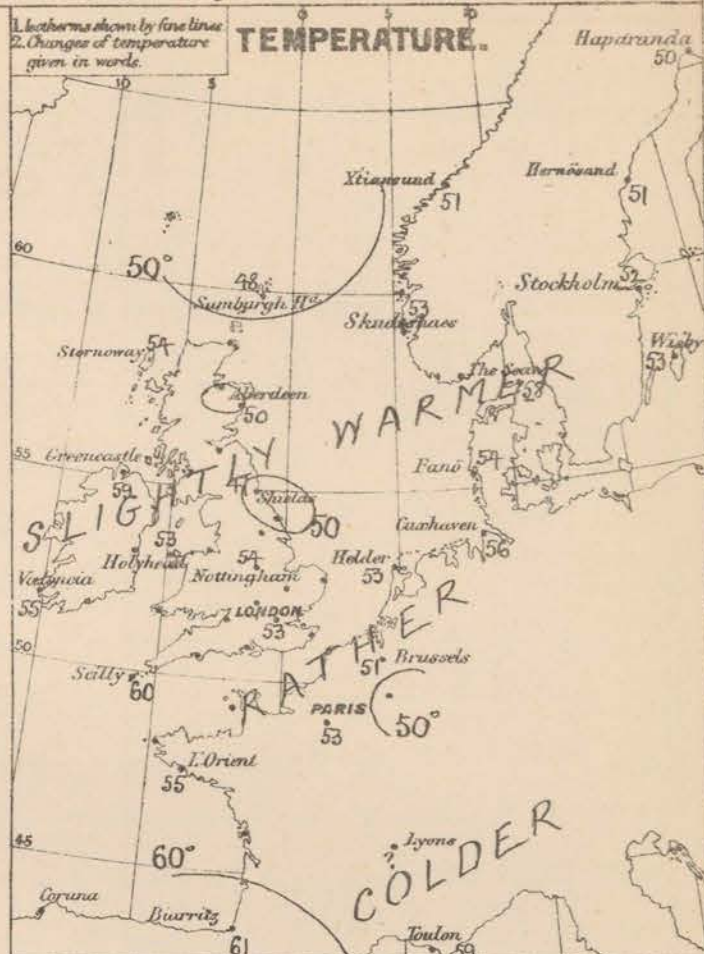
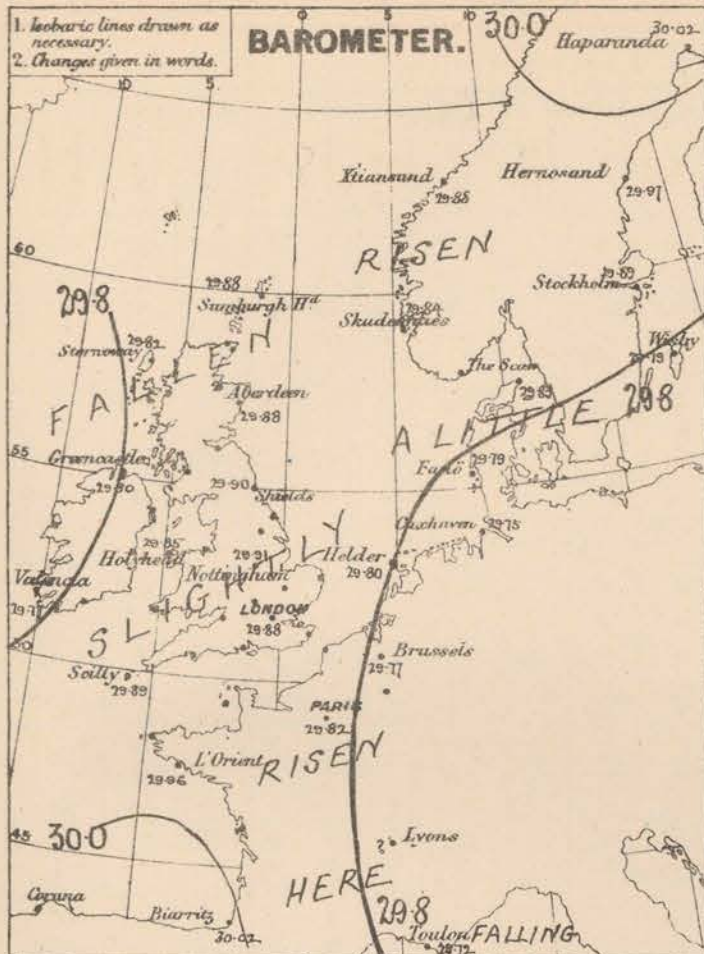
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Saturday 15. JUNE 1878.



REMARKS. Weather though very quiet generally, cannot be considered settled. The amount of cloud prevailing in various places is extremely variable, and in some parts of Ireland and France rain is falling. Very little rain fell yesterday except at Plymouth, where the fall amounted to nearly half an inch. In London the sky was cloudy all day, and became very black and gloomy in the evening, but no rain fell. Temperature remains very low for the time of year, except at one or two of our W. stations. At Shields it is as low as 47° and at Seabrook 49°, while at Roches Point and Bally it is 60°. Wind is light and extremely variable in our Islands, NE to NW in the E. of the, and NW to SW in the W. Sea is very little disturbed. Barometrical indications. Pressure is relatively high both at the extreme N. and extreme S. stations, and on both of rather high readings compare these two regions. In consequence of this we have readings of about 29.9 ins. at our Antislots stations, while the barometer is 29.7 ins. at Valencia, and 29.5 ins. at Cuxhaven. At both these stations the mercury falls a little, while at Biarritz and Haparanda it is rising.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JUNE 9th to JUNE 15th 1878.

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

Weather has continued very unsettled during this week. Pressure has been highest in the south, and several depressions crossed these Islands from west to east during the first four days, though causing heavy showers and cloudy weather they were comparatively unimportant with the exception of that which advanced over Ireland on the 11th. As this disturbance passed across the winds which was first S^W and subsequently veered to S.W. and N. rose to a moderate gale over the greater part of the country and to a fresh or hard gale in the south and south-west. In the rear of this depression the barometer rose briskly and a sudden fall taking place over France, the highest readings were established over these Islands and the winds shifted to the eastward. On Saturday the mercury rose again over France, the general distribution of pressure became very complicated and the wind varied considerably in direction. Temperature has been low for the time of year during the whole week, but more particularly during the last few days. Weather has been cloudy and very showery.

JUNE 9th Pressure was highest over the south- and east of Europe and lowest to the N.W.th of these Islands, it was decreasing very generally and several small secondary disturbances were passing across our area. Wind varied a good deal in direction, it was moderate to fresh from the S^W over England and Wales, light from N. in the S. of Scotland, and from S.E. in the N. while at Shetland and Lumburg Head it was strong from E.N.E. Temperature had risen over the countries to the E.th of the North Sea, and at some of our Nth stations, but fallen in the south and over France. Weather was wet at Lumburg Head, in the S. of Norway and N. of France and though fine in most other places was still far from settled. In the evening the barometer was rising in the S.W. and N. of our Islands, but was still falling elsewhere, the winds had veered to N. or S.W. at many stations but the weather was very showery.

JUNE 10th Pressure was increasing slowly in all parts of Western Europe except Scandinavia, Denmark and North Germany; readings were highest in the S.W. of France, while a band of low pressure extended across Scotland and the North Sea to the N. of Norway. A light E^{ly} breeze was reported from the extreme N. of Scotland, and calms from the central parts of that country, but in nearly all other parts of Western Europe a fresh N^W to S.W. current was experienced. Temperature had fallen a few degrees in most places and was very uniform. Rain was falling at Lumburg Head, Aberdeen, Scilly and Dorset but the weather generally was moderately fair. During the day pressure continued to increase except in the S.W. where a fresh fall of the barometer accompanied by a backing of the wind occurred. Occasional showers took place but the weather was rather finer than on the previous day.

JUNE 11th The decrease of pressure reported from the S.W. had continued briskly, and extended to all the more Nth and Sth stations, while a rather rapid increase had taken place in the N.E. A well formed depression had advanced over Ireland and gradient was rather steep in the S. Wind was S^W (S.W. to S.E.) over the greater part of France and these Islands, while it was E^{ly} over Scotland and the north of Ireland; it blew strongly or with the force of a moderate gale over the Channel and England. In the

countries to the Erd of the North Sea a fresh Nth to Sth was experienced. Temperature was rather lower in most places, it was uniform over Nth Europe. Weather was very dull except in the E. and S. of France and rain was falling over the greater part of England and Ireland. Later in the day the disturbance advanced Erd over the British Isles, and the barometer fell briskly, except in the Sth, where a recovery took place; the winds circulated very distinctly round the low pressure blowing with the force of a strong gale in the S. and Sth.

JUNE 12th The cyclonic system had travelled on NErd and at 8 am lay over Northumberland and the lowlands of Scotland. The barometer was falling slightly in the S. of Norway but was rising in all other places and the central depression was apparently filling up. The winds circulated round the disturbance and were generally fresh in force. Temperature had decreased slightly generally; it varied from 68° at Lyons to 46° at Lumbough Head. Rain had fallen at nearly all stations and a thunderstorm passed over Nottingham and Cambridge. At 8 am. the weather was overcast, squally, and unsettled. Later in the day the system passed Erd over the North Sea & the recovery over these islands continued, the wind at the same time backed to N. over Scotland and the weather improved there.

JUNE 13th The depression had continued to move NErd and at 8 am. lay off the S. of Norway; the distribution of pressure was very irregular, it was as high as 30.1 ins. over the Sth part of France, whence it decreased to 29.9 ins. at Stornoway, to 29.8 ins. at Valentia and 29.6 ins. at Skudesnæs. The main current of wind was Nth over these islands, and Nth over France, but owing to the irregularities of pressure it varied considerably in direction in different localities. Temperature changes were slight except in the N. of England, where it had fallen several degrees to 49°. Weather was dull except at some of our S. coast stations; rain was falling in the S. of Scandinavia. Pressure increased over the greater part of these islands during the day, but decreased over France; the wind remained very variable.

JUNE 14th Pressure still increased over most part of these islands and the North Sea and decreased over France, a large area of low readings lay over that country and the Bay of Biscay, while the level of the mercury was uniform and comparatively high over the British Isles. Wind was Nth over Scotland and the west of Norway, Eth over England, Ireland and France; it was moderate in force except in the N. Temperature was rather higher in the N. and W. but was rather lower in the S. Weather was wet over France and Denmark moderately fine and dry elsewhere. No change of importance occurred during the day.

JUNE 15th The general distribution of pressure continued very irregular, it varied from 30.5 ins. over Spain and the Gulf of Bothnia to 29.8 ins. over Ireland and Central Europe. Within these islands it was very squally. The barometer was rising both over France and Scandinavia but falling elsewhere. Temperature was little changed and ranged between 50° and 60°. Wind was northerly at the more Eth stations, and Sth in the W., but was everywhere light or moderate. Weather was fine in the N. W. N. and at many of our eastern stations, but was cloudy or dull elsewhere; rain was falling at Valentia and in the E. of France, showers of rain were very general until the evening, when the weather improved. Little other change was shown.

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

DAILY WEATHER REPORT

JUNE 16TH

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.		
Haparanda ...	30.11	57	N	2	δ	30.20	+ .18	54	48	+ 4	Z	0	6	*	55	41	-	
Hernösand ...	30.10	47	ENE	2	δ	30.15	+ .18	53	46	+ 2	E	2	6	*	*	*	-	
Stockholm ...	29.93	50	NNE	4	δ	29.93	+ .04	57	48	- 1	NE	6	0	*	*	*	-	
Wisby ...	29.82	53	NE	8	δ	29.76	- .03	56	54	+ 3	ENE	8	7	*	*	*	0.04	
Christiansund ...	29.89	57	ENE	1	δ	29.92	+ .04	53	53	+ 2	E	1	6	2	59	45	-	
Skudesnaes ...	29.85	56	NNH	4	δ	29.84	- .01	60	57	+ 7	NE	4	0	2	61	54	-	
Oxö (Xtiansand) ...	29.83	58	NE	4	δ	29.77	- .05	57	47	- 3	NE	8	7	4	57	50	-	
Skagen (The Sæw) ...	29.80	59	NE	4	δ	29.69	- .14	50	49	- 8	E	9	7	9	66	46	0.20	
Fanö ...	29.61	58	N	4	δ	29.45	- .34	56	56	+ 2	ENE	4	7	*	64	52	0.59	
Cuxhaven ...	29.63	59	N	3	7	29.47	- .28	59	59	+ 3	WSH	2	δ	*	59	54	0.50	
Sumburgh Head ...	29.83	57	E	2	δ	29.89	+ .06	50	49	+ 2	NNH	1	δ	1	52	43	-	
Stornoway ...	29.80	55	E	4	δ	29.84	+ .02	56	53	+ 2	S	1	6	1	58	48	-	
Thurso ...	29.85	55	E	2	δ	29.88	- .02	56	57	+ 4	ESE	1	δ	3	58	58	-	
Wick ...	29.87	48	SE	1	δ	29.88	- .01	54	50	+ 2	SE	1	6	1	59	58	-	
Nairn ...	29.86	55	E	1	δ	29.88	- .01	53	47	+ 3	Z	0	δ	0	58	40	-	
Aberdeen ...	29.86	52	SE	1	δ	29.87	- .01	52	47	+ 2	ENE	1	6	1	57	41	-	
Leith ...	29.80	56	ENE	2	δ	29.84	- .04	55	50	0	E	1	6	*	59	42	-	
Shiel ...	29.87	50	SE	1	δ	29.86	- .04	52	47	+ 5	NNE	1	6	2	53	43	-	
Scarborough ...	29.85	50	SE	2	δ	29.80	- .08	49	48	0	NNH	4	0	3	54	48	-	
York ...	29.85	57	ESE	1	δ	29.84	- .07	51	48	- 1	NNH	1	0	*	59	44	-	
Nottingham ...	29.88	55	SE	1	δ	29.85	- .06	57	48	- 3	NNE	1	0	*	65	45	0.02	
Ardrrossan ...	29.80	61	WSH	2	δ	29.85	- .01	57	57	+ 1	NNE	2	δ	1	67	47	-	
Greencastle ...	29.76	59	S	2	7	29.83	+ .03	57	55	- 2	S	1	0	*	70	49	0.01	
Donaghadee ...	29.82	54	S	1	δ	29.86	+ .02	57	55	+ 2	S	1	δ	0	57	46	-	
Kingstown ...	29.80	58	NNH	3	δ	29.85	+ .01	56	54	+ 1	NNH	3	δ	3	60	50	0.22	
Holyhead ...	29.81	61	SW	2	δ	29.85	- .04	55	54	+ 2	NNH	2	δ	1	64	50	0.03	
Liverpool (Bidston) ...	29.82	56	SSE	1	δ	29.83	- .03	55	53	+ 5	N	1	0	1	58	50	0.01	
Valencia ...	29.84	56	NNH	4	δ	29.98	+ .21	57	57	+ 2	NNH	2	δ	3	62	57	0.13	
Roche's Point... ..	29.89	60	NNH	3	δ	29.89	+ .07	55	57	- 5	NNH	5	δ	4	64	55	0.44	
Pembroke ...	29.80	61	S	1	δ	29.85	- .05	54	53	- 2	E	1	δ	1	66	48	-	
Portishead ...	29.87	61	SW	3	δ	29.83	- .03	56	54	+ 3	NNH	3	δ	3	67	49	-	
Scilly ...	29.83	56	NNH	5	7	29.90	+ .07	57	54	- 3	NNH	6	δ	5	59	55	0.16	
Plymouth ...	29.84	60	S	1	δ	29.86	- .02	59	56	+ 4	SSH	2	δ	*	62	49	-	
Hurst Castle ...	29.87	59	SSH	3	δ	29.84	- .05	57	54	+ 1	NNH	2	δ	2	61	49	-	
Dover ...	29.86	59	N	2	δ	29.81	- .05	57	52	+ 4	NNH	2	δ	1	59	49	-	
London ...	29.86	57	Z	0	δ	29.83	- .05	53	52	0	SW	1	δ	*	58	48	0.29	
Oxford ...	*	*	*	*	*	29.82	- .08	53	47	+ 2	NNH	1	δ	*	59	57	0.12	
Cambridge ...	29.86	55	N	1	δ	29.82	- .08	54	50	0	N	1	δ	*	60	42	-	
Yarmouth ...	29.85	55	NNE	2	δ	29.79	- .07	50	46	- 4	NNH	3	δ	3	56	45	-	
The Helder ...	*	*	*	*	*	29.67	- .13	52	50	- 1	NNH	3	7	*	*	*	0.16	
Cape Gris Nez ...	29.88	55	N	1	δ	29.84	- .02	54	52	+ 2	NNH	3	δ	3	61	50	-	
Jersey ...	29.91	57	WSH	1	δ	29.89	- .05	62	57	+ 8	NE	1	δ	1	62	49	-	
Brest ...	29.92	*	N	3	7	29.96	- .02	55	54	?	NNH	4	7	4	63	50	0.16	
L'Orient ...	29.93	57	NNH	3	7	29.91	- .05	57	54	+ 2	NNH	4	δ	3	64	52	0.12	
Rochefort ...	29.98	63	NNH	4	δ	29.89	- .02	59	55	0	NNH	5	δ	3	66	52	0.16	
Biarritz ...	30.06	64	N	4	δ	30.02	- .02	59	55	- 2	NNH	4	7	3	?	52	0.24	
Corunna ...	*	*	*	*	*	30.26	*	61	*	*	NNH	3	δ	1	*	*	*	
Brussels ...	*	*	*	*	*	29.78	+ .01	53	48	+ 2	SW	4	δ	*	57	47	*	
Charleville ...	*	*	*	*	*	29.77	+ .07	50	*	+ 1	N	1	δ	*	*	*	*	
Paris ...	29.88	57	NNH	3	δ	29.85	+ .05	58	52	+ 5	S	2	δ	*	*	*	-	
Lyons ...	*	*	*	*	*	29.90	*	63	*	- 1	N	2	δ	*	*	*	*	
Toulon ...	29.70	64	NNH	9	δ	29.77	+ .05	57	52	- 2	NNH	8	δ	7	73	41	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.83	61	55	W N N	4	0	3	Valencia	29.78	59	57	W N N	3	cp	4
Thurso	29.87	56	50	NE	2	δ	1	Scilly	29.85	59	57	SSW	4	0	3
Scarborough ...	29.86	52	48	SE	2	δ	2	London	29.89	56	52	Z	0	og	*
Greencastle ...	29.78	63	57	S	2	δ	*	Rochefort ...	29.95	64	59	N N	3	c	3
Holyhead,	29.82	60	56	S	3	c	2								

The S.W. wind in the west is encroaching more and more on us and temperature has risen to between 60° and 63° at our N.W. stations.

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.

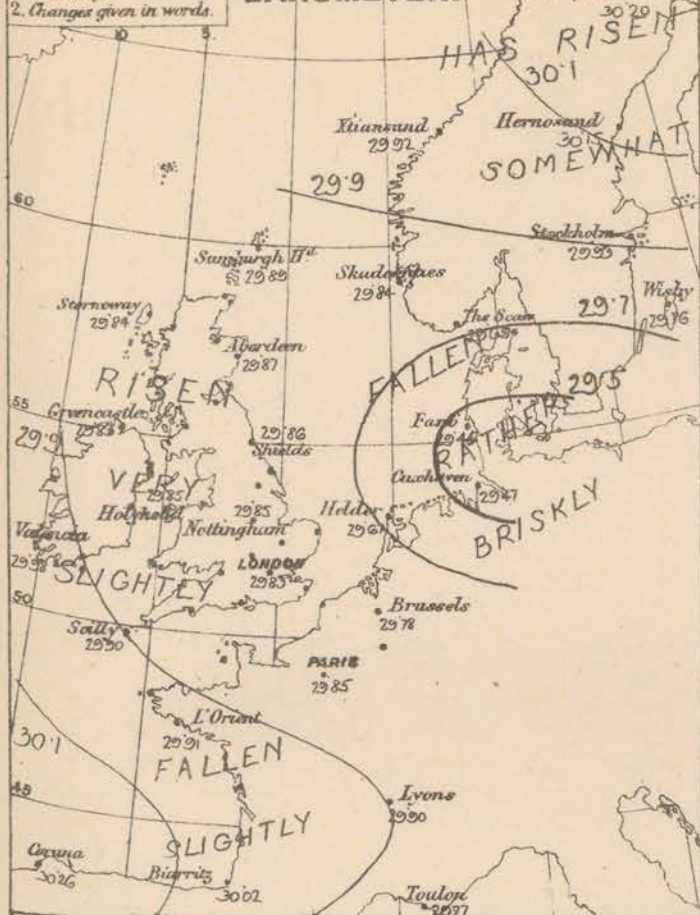
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 16th JUNE 1873.

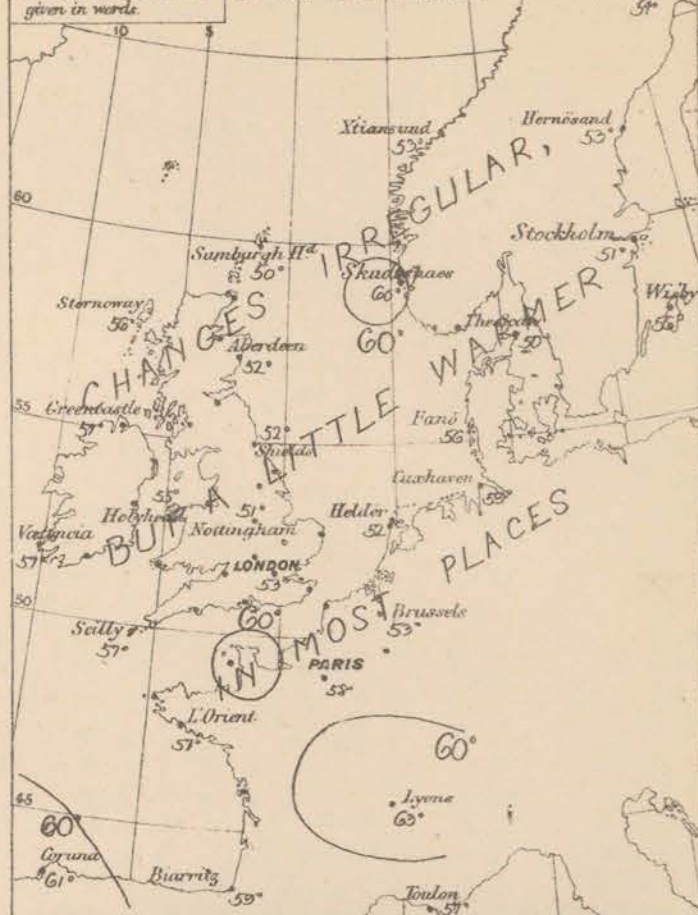
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



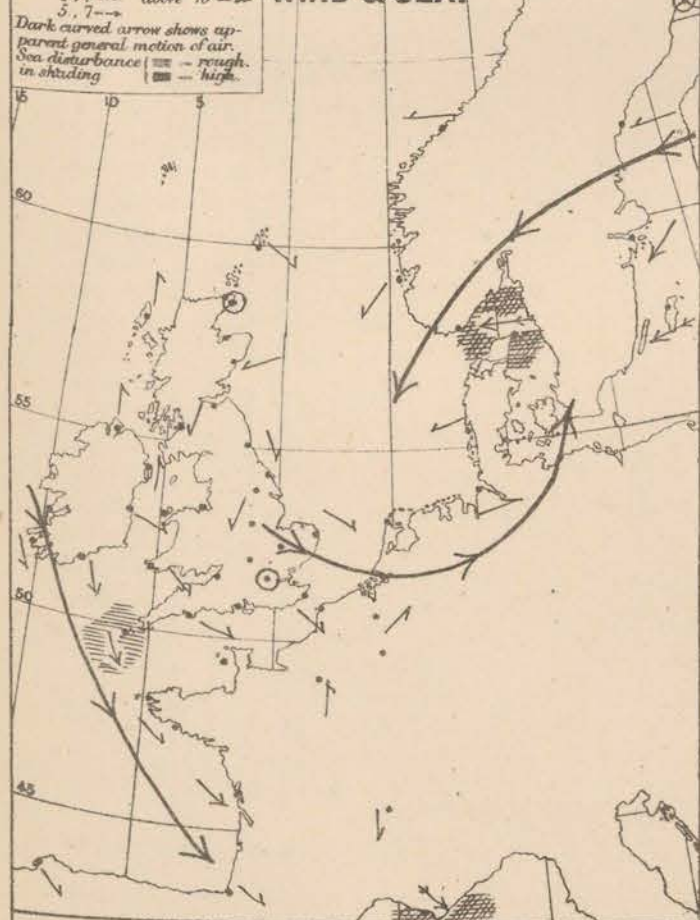
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



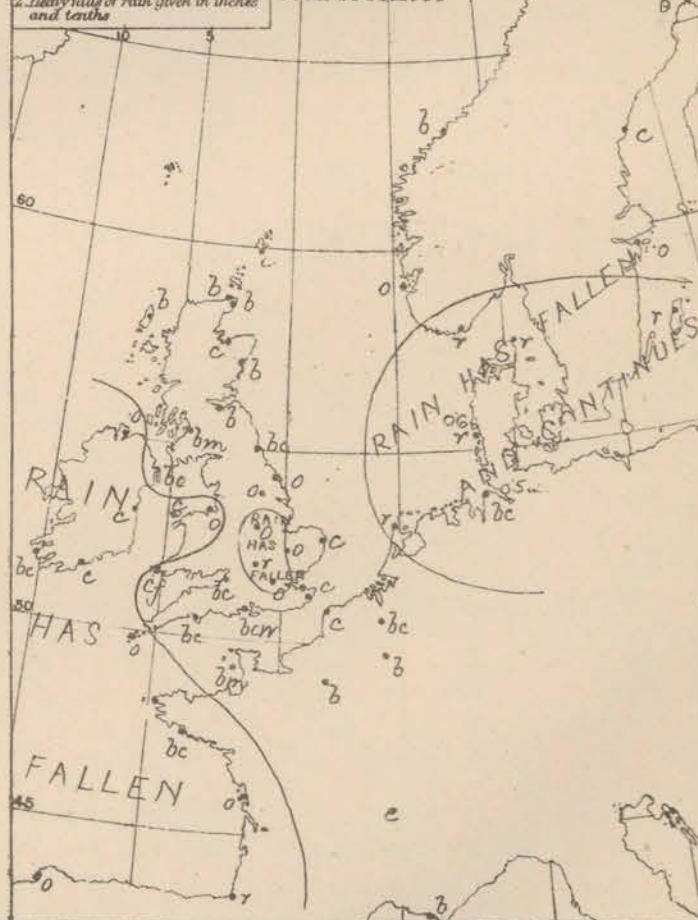
1. Force 0 to 10 -->
 2. Force 10 to 20 -->
 3. Force 20 to 30 -->
 4. Force 30 to 40 -->
 5. Force 40 to 50 -->
 6. Force 50 to 60 -->
 7. Force 60 to 70 -->
 8. Force 70 to 80 -->
 9. Force 80 to 90 -->
 10. Force 90 to 100 -->
- Dark curved arrow shows apparent general motion of air.
Sea disturbance: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

WIND & SEA.



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

WEATHER.



REMARKS. Weather varies a good deal in different localities; it is fine at most of the Scotch stations and also over the English Channel and north of France, but is very cloudy elsewhere, and rain is falling in Denmark, the south of Norway and north Germany. A little rain fell yesterday on the western and south western coasts of England and France, and over Central England, while heavier amounts are reported from the south of Denmark. Temperature has changed very irregularly, but the tendency in most places has been to rise slightly; it is now very uniform over the whole of Western Europe. The maximum readings of yesterday were not high. Wind is generally light from N. or NW over these islands and France, but in the south of Scandinavia and north of Denmark E. breezes are blowing, and at the Suez reach the force of a hard gale. Sea is reported to be tremendous in the Bazar Rack; it is rather rough at Scilly, but is slight or smooth on all other parts of our coasts.

Barometrical Indications. Since yesterday the changes in the barometres over our islands have been extremely slight, but at the Danish stations a rather brisk decrease has occurred, and a depression is moving from the eastward towards the North Sea.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JUNE 17TH 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 4 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.					
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).		Weather.	Max.	Min.	Amount of Rainfall.		
Haparanda ...	30.21	55	Z	0	δ	30.26	+ .06	58	53	+ 4	S	2	0	*	61	46	-		
Hernösand ...	30.12	53	NE	4	δ	30.12	- .03	57	52	+ 4	NE	6	δ	*	*	*	-		
Stockholm ...	30.89	55	ENE	8	0	29.91	- .02	54	54	+ 3	E	6	f	*	*	*	-		
Wisby ...														*	*	*			
Christiansund ...														*	*	*			
Skudeenaes ...	29.72	57	N	4	†	29.66	- .18	56	54	- 4	N	2	0	2	?	?	0.20		
Oxö (Ålön) ...	29.67	53	NE	8	†	29.71	- .06	54	53	+ 3	ESE	2	0	3	54	50	0.39		
Skagen (The Swan)														*	*	*			
Fanö ...														*	*	*			
Cuxhaven ...	29.64	58	SW	3	0	29.77	+ .30	59	59	0	SW	2	δc	*	61	50	0.02		
Sumburgh Head	29.84	57	WN	2	0	29.74	- .15	49	49	- 4	NNE	2	†	1	55	46	0.01		
Stornoway	29.84	56	E	2	m	29.82	- .02	54	57	- 2	NNW	3	δc	1	60	47	-		
Thurso ...	29.85	57	NNE	1	δc	29.82	- .06	52	49	- 4	N	2	0	3	64	46	-		
Wick ...	29.86	55	SE	1	δ	29.80	- .08	57	48	- 3	N	2	0	2	60	44	-		
Nairn ...	29.86	53	E	1	δ	29.81	- .07	52	47	- 1	E	1	0	1	62	47	-		
Aberdeen ...	29.84	57	NE	2	0	29.77	- .10	49	48	- 3	N	4	†	2	57	48	0.03		
Leith ...	29.82	54	E	2	δc	29.75	- .09	58	54	+ 3	W	1	0	*	60	49	-		
Shields ...	29.82	50	NNE	3	†	29.78	- .08	51	50	- 1	N	2	sm	3	53	48	0.08		
Scarborough	29.78	57	NN	4	†	29.76	- .04	53	57	+ 4	NNN	3	0	4	56	50	0.15		
York ...	29.82	57	NNE	1	0	29.78	- .06	54	57	+ 3	NNN	1	0	*	59	48	0.14		
Nottingham ...	29.82	56	N	1	0	29.84	- .01	58	55	+ 7	SSW	1	0	*	66	47	0.01		
Ardrossan ...	29.80	61	ESE	2	0	29.80	- .05	56	59	- 1	NN	3	cm	2	67	52	0.08		
Greencastle ...	29.86	58	NNN	4	δ	29.88	+ .05	54	50	- 3	NN	1	δc	*	65	49	0.22		
Donaghadee ...	29.84	59	NNN	4	δ	29.86	- .00	55	53	- 2	N	5	δ	3	65	49	-		
Kingstown ...	29.87	55	NNN	4	0	29.89	+ .04	54	57	- 2	NN	4	δc	4	60	52	0.13		
Holyhead ...	29.84	55	NNN	2	f	29.86	+ .01	53	57	- 2	NNN	3	0	2	59	52	-		
Liverpool (Bidston)	29.87	57	NNN	1	δ	29.83	- .00	55	54	0	NNN	1	0	1	59	57	0.01		
Valencia ...	29.98	57	NN	3	δc	29.98	- .00	55	57	- 2	NN	1	0	2	60	47	-		
Roche's Point...	29.91	58	NNN	4	0	29.94	+ .05	54	49	- 1	N	4	δ	3	64	50	-		
Pembroke ...	29.84	60	NNN	2	δ	29.86	+ .01	55	53	+ 1	NNE	2	0	2	64	57	-		
Portishead ...	29.87	60	WSN	4	δc	29.83	- .00	58	54	+ 2	WSN	2	δc	2	65	49	-		
Scilly ...	29.94	58	NNN	6	δc	29.88	- .02	56	55	- 1	N	5	op	5	59	54	0.10		
Plymouth ...	29.84	59	NN	2	δc	29.84	- .02	59	56	0	N	2	δ	*	65	50	0.29		
Hurst Castle ...	29.82	60	NN	4	0	29.83	- .01	61	58	+ 4	E	1	0	2	64	52	0.27		
Dover ...	29.79	53	NNN		δc	29.84	+ .03	54	57	- 3	ENE	1	0	0	61	52	0.88		
London ...	29.79	60	V	1	0	29.84	+ .01	54	52	+ 1	Z	0	0	*	64	48	0.42		
Oxford ...	*	*	*	*	*	29.84	+ .02	53	57	0	Z	0	0	*	63	49	0.38		
Cambridge ...	29.79	58	N	1	0	29.82	- .00	55	53	+ 1	SW	1	0	*	64	48	0.02		
Yarmouth ...	29.76	57	NNN	2	†	29.79	- .00	52	50	+ 2	NNN	3	cgd	3	52	48	0.14		
The Helder ...	*	*	*	*	*	29.73	+ .06	54	52	+ 2	SW	2	0	*	*	*	0.12		
Cape Gris Nez	29.87	55	NNN	1	m	29.86	+ .02	55	54	+ 1	N	1	0	0	59	50	0.16		
Jersey ...	29.90	58	NNN	3	δc	29.89	- .00	56	54	- 6	NNN	3	0	3	62	54	-		
Brest ...	30.00	?	NNN	3	0	29.93	- .03	55	52	0	NNN	2	0	3	61	50	0.04		
L'Orient ...	29.93	59	NN	4	δc	29.92	+ .01	55	52	- 2	NE	1	0	3	64	50	-		
Rochefort ...	30.08	63	NN	5	0	29.97	+ .08	61	54	+ 2	NNN	3	0	3	64	54	-		
Biarritz ...	30.06	63	NNN	4	0	29.93	- .09	54	52	- 5	SSE	2	†	3	63	52	0.08		
Corunna ...	*	*	*	*	*									*	*	*			
Brussels ...	*	*	*	*	*	29.84	+ .06	54	52	+ 1	SW	3	0	*	60	50	0.04		
Charleville ...	*	*	*	*	*	29.82	+ .05	57	*	+ 1	WSN	6	†	*	*	*	*		
Paris ...	29.84	58	WSN	2	0	29.87	+ .02	55	57	- 3	W	1	0	*	*	*	-		
Lyons ...	*	*	*	*	*	29.90	- .00	63	*	0	N	2	δ	*	*	*	*		
Toulon ...														*	*	*			

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.75	53	50	N	4	†	2	Valencia			
Thurso								Scilly			
Scarborough ...								London			*
Greencastle ...						*		Rochefort ...	29.93	61	57
Holyhead										7	δc

EXPLANATION OF COLUMNS.

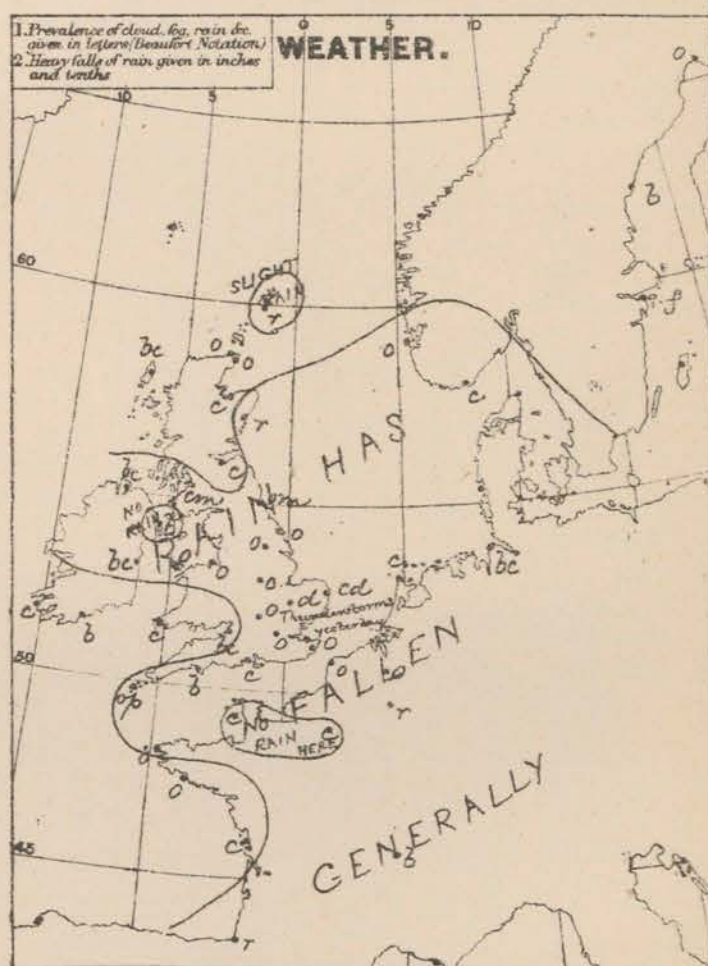
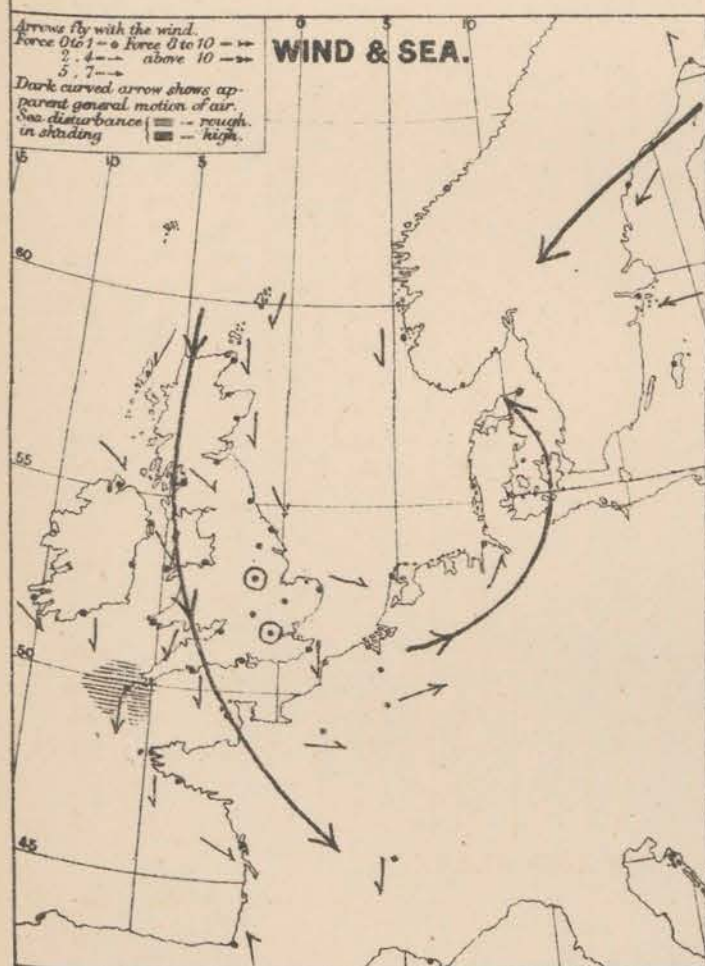
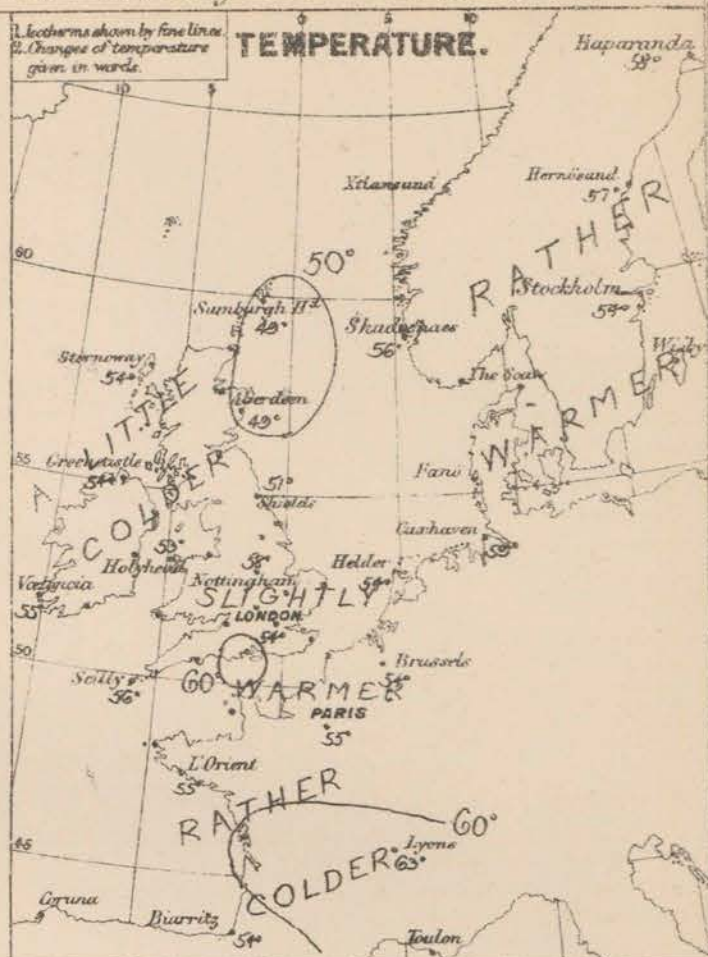
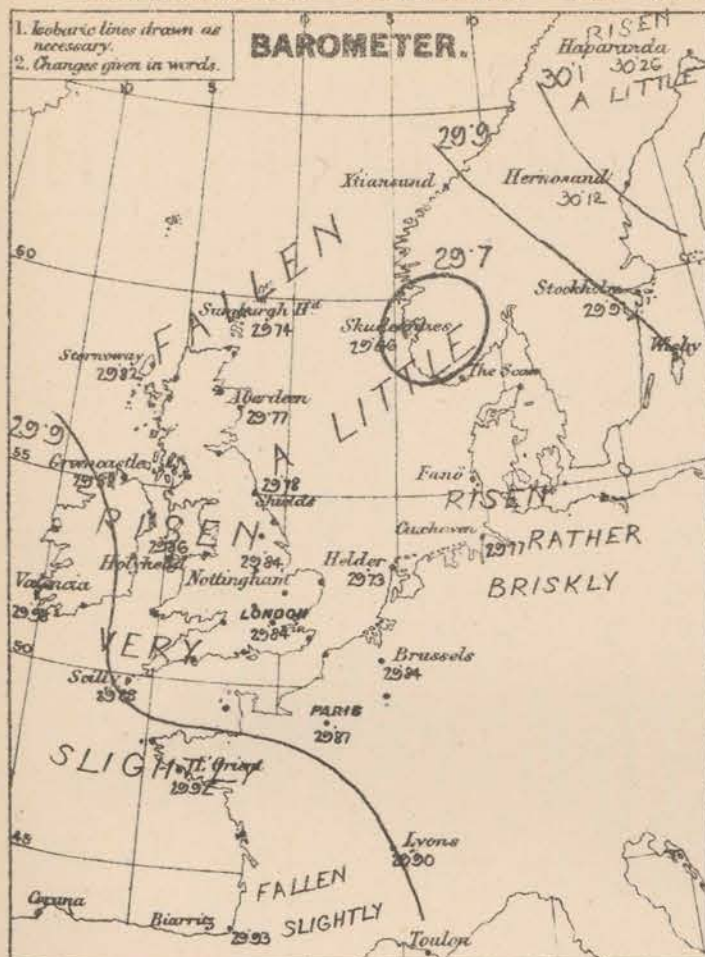
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 17th JUNE 1878.*



REMARKS. Weather is cloudy or overcast at all except the Irish stations; at Londrugh H², Aberdeen and Biarritz rain is falling, while in the south east of England there is some drizzling rain. Thunderstorms occurred in the south and south east of England at different times in the course of yesterday; in London a very heavy fall of rain occurred, 0.40 in. falling in about half an hour between seven and eight last evening. Temperature has fallen somewhat at our northern and western stations as well as over the greater part of France but in England and Sweden it has risen; it is uniform over Western Europe but is less for the time of year in the south. Haparanda (Lapland) is 9° warmer than Aberdeen and 4° warmer than London. Wind is moderate or light from N. to W. over these islands and France, but a fresh E. breeze is reported from Sweden. Sea is rather rough at Scilly, slight to smooth elsewhere.

Barometrical Indications. Pressure is increasing briskly in North Germany, but is changing slightly and irregularly in other parts of our area. A small depression lies over the south of Norway, while readings are comparatively high both over the Gulf of Bothnia and off our south west coasts.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JUNE 18th

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	30.18	59	N	0	bc	30.19	- 07	61	55	+ 3	SW	2	0	*	63	52	-		
Hernösand ...	30.09	58	E	2	c	30.08	- 04	61	56	+ 4	E	2	0	*	*	*	-		
Stockholm ...	29.99	52	ENE	6	f	29.88	- 03	55	53	+ 1	NE	6	0	*	*	*	-		
Wisby ...														*	*	*	-		
Christiansund ...	29.82	60	N	1	0	29.82	+ 03	59	55	?	NE	2	0	1	73	50	-		
Skudesnaes ...	29.83	57	SE	2	0	29.80	+ 14	55	53	- 1	SE	4	0	4	?	54	-		
Oxö (Xtiansand)	29.88	54	E	4	0	29.82	+ 11	54	53	0	SW	2	0	2	57	50	0.16		
Skagen (The Scau)	29.88	54	Z	0	f	29.84	+ 06	53	52	- 2	N	2	f	1	64	48	0.83		
Fanö ...	29.86	53	SW	1	c	29.86	+ 14	63	58	+ 5	WSW	3	0	*	63	52	-		
Cuxhaven ...	29.86	?	NN	1	0	29.89	+ 12	61	59	+ 2	N	1	0	*	61	52	-		
Sumburgh Head	29.79	50	NE	3	0	29.77	+ 03	57	57	+ 2	NE	3	m	2	53	48	0.08		
Stornoway	29.82	55	SSE	3	c	29.79	- 03	56	52	+ 22	S	1	0	0	57	47	-		
Thurso ...	29.84	54	NN	2	0	29.80	- 02	57	50	- 1	NN	2	m	2	56	48	-		
Wick ...	29.85	53	N	2	0	29.78	- 02	57	50	0	N	2	0	2	55	47	-		
Nairn ...	29.83	55	? Z	? 0	0	29.81	00	54	49	+ 2	Z	0	c	0	56	50	-		
Aberdeen ...	29.79	52	NNN	3	0	29.78	+ 01	52	50	+ 3	NNN	3	0	2	54	49	0.11		
Leith ...	29.79	54	S	2	0	29.79	+ 04	52	50	- 6	N	1	0	*	67	49	0.08		
Shields ...	29.83	54	N	1	0	29.83	+ 05	?	?	?	N	1	of	2	56	48	0.02		
Scarborough	29.82	53	NNN	2	0	29.84	+ 08	52	57	- 1	WSW	1	0	1	55	49	-		
York ...	29.84	52	ENE	1	f	29.86	+ 08	52	57	- 2	S	1	0	*	60	48	0.19		
Nottingham ...	29.88	58	N	1	0	29.90	+ 06	62	57	+ 4	SW	2	c	*	71	47	-		
Ardrossan ...	29.87	59	NN	4	c	29.83	+ 03	56	57	0	NN	2	c	2	63	50	-		
Greencastle ...	29.89	56	NN	3	0	29.83	- 05	55	52	+ 1	S	2	0	*	62	49	-		
Donaghadee ...	29.87	57	NNE	4	0	29.86	00	57	53	+ 2	N	4	0	3	61	47	-		
Kingstown ...	29.90	59	NN	4	c	29.90	+ 01	56	52	+ 2	NNN	3	0	3	60	53	-		
Holyhead ...	29.88	61	N	2	c	29.88	+ 02	56	54	+ 3	ENE	1	og	0	62	57	-		
Liverpool (Hidston)	29.86	54	NNN	3	c	29.88	+ 05	56	57	+ 1	N	2	c	2	58	50	-		
Valencia ...	29.97	58	N	2	c	29.91	- 07	55	52	0	WSW	2	f	2	61	46	0.03		
Roche's Point...	29.95	58	NNN	3	c	29.94	00	58	54	+ 4	SW	1	c	2	64	50	-		
Pembroke ...	29.90	59	NNN	2	0	29.90	+ 04	59	56	+ 4	SE	1	c	2	59	49	-		
Portishead ...	29.88	61	NNN	3	c	29.89	+ 06	57	55	- 1	SW	1	m	2	68	49	-		
Scilly ...	29.95	57	NNN	4	0	29.95	+ 07	58	55	+ 2	N	3	c	4	58	53	0.25		
Plymouth ...	29.88	61	NN	2	0	29.91	+ 07	60	56	+ 1	N	2	0	*	66	53	0.02		
Hurst Castle ...	29.88	60	NNN	1	0	29.90	+ 07	60	58	- 1	Z	0	c	0	64	57	0.01		
Dover ...	29.87	56	Z	0	0	29.91	+ 07	60	55	+ 6	SW	1	0	0	61	50	-		
London ...	29.86	62	Z	0	c	29.90	+ 06	60	56	+ 6	WSW	1	c	*	65	57	0.01		
Oxford ...	*	*	*	*	*	29.91	+ 07	55	57	+ 2	Z	0	0	*	61	55	0.24		
Cambridge	29.87	53	S	1	0	29.92	+ 10	55	53	0	N	1	0	*	63	47	0.12		
Yarmouth ...	29.85	55	S	1	c	29.89	+ 10	55	53	+ 3	WSW	1	m	2	57	50	0.01		
The Helder. ...	*	*	*	*	*	29.90	+ 17	56	54	+ 2	WSW	1	c	*	*	*	-		
Cape Gris Nez	29.88	59	NE	1	0	29.94	+ 08	61	54	+ 6	S	1	0	0	63	52	-		
Jersey ...	29.91	60	NNN	2	0	29.95	+ 06	57	56	+ 1	SW	2	c	2	62	57	-		
Brest ...	30.00	?	NNN	2	0	30.00	+ 07	55	54	0	N	2	0	3	63	50	-		
L'Orient ...	29.91	61	NN	3	0	29.98	+ 06	55	54	0	NE	3	m	2	68	48	-		
Rocheport ...	29.96	64	NNN	3	0	30.03	+ 06	59	57	- 2	NNN	3	0	3	64	54	-		
Biarritz ...	29.85	63	WSW	4	f	29.99	+ 06	59	55	+ 5	N	3	0	3	72	50	0.07		
Corunna ...	*	*	*	*	*									*	*	*	-		
Brussels ...	*	*	*	*	*	29.93	+ 09	57	52	+ 3	E	2	0	*	64	50	-		
Charleville ...	*	*	*	*	*	? 29.88	+ 06	59	*	+ 8	E	1	0	*	*	*	-		
Paris ...	29.86	65	WSW	2	c	29.93	+ 06	58	53	+ 3	NNE	1	c	*	*	*	-		
Lyons ...	*	*	*	*	*	29.93	+ 03	62	*	- 1	SE	2	0	*	*	*	-		
Toulou ...	29.94	61	SW	4	0	29.97	+ 09	57	55	0	E	4	f	3	70	55	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.80	58	54	SE	4	0	4	Valencia	29.99	60	52	NNN	1	c	2
Thurso	29.84	53	57	NN	2	0	3	Scilly	29.92	57	55	N	5	0	4
Scarborough ...	29.87	54	52	NNN	3	0	3	London	29.87	59	57	N	1	op.	*
Greencastle ...	29.89	57	52	N	2	0	*	Rocheport ...	29.96	63	59	NNN	3	0	3
Holyhead	29.90	58	55	NN	3	c	3								

Pressure is increasing slowly everywhere, but no other change of importance is reported.

EXPLANATION OF COLUMNS.

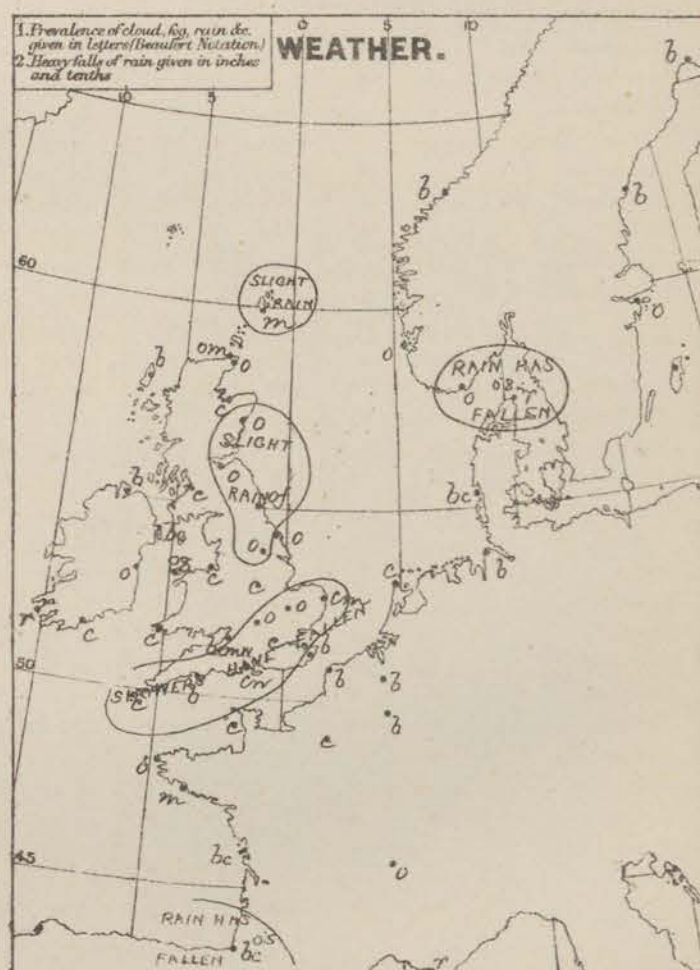
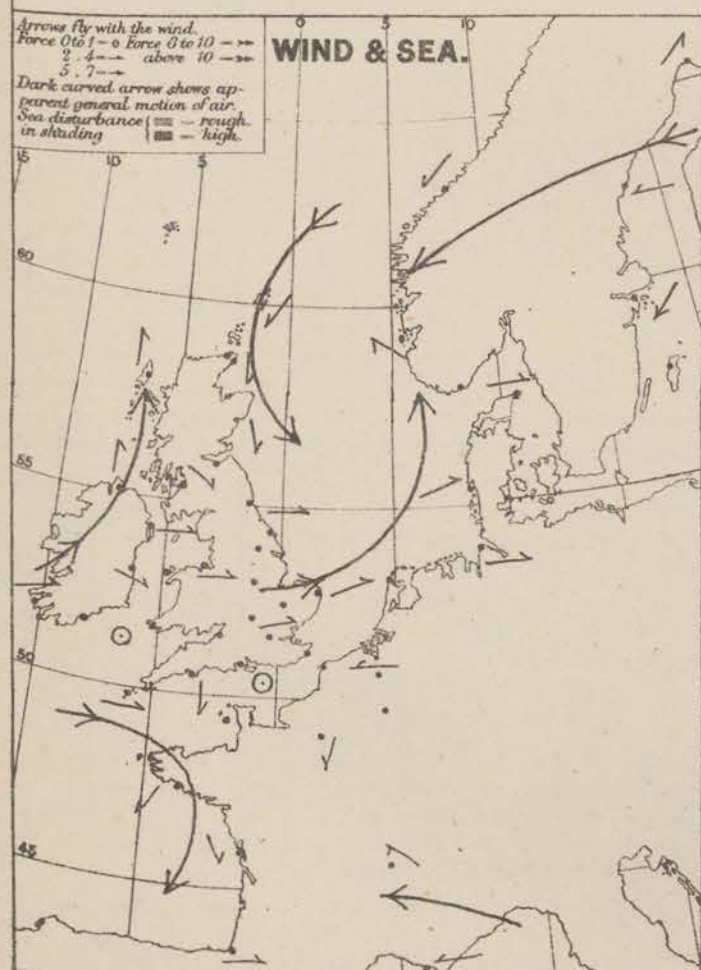
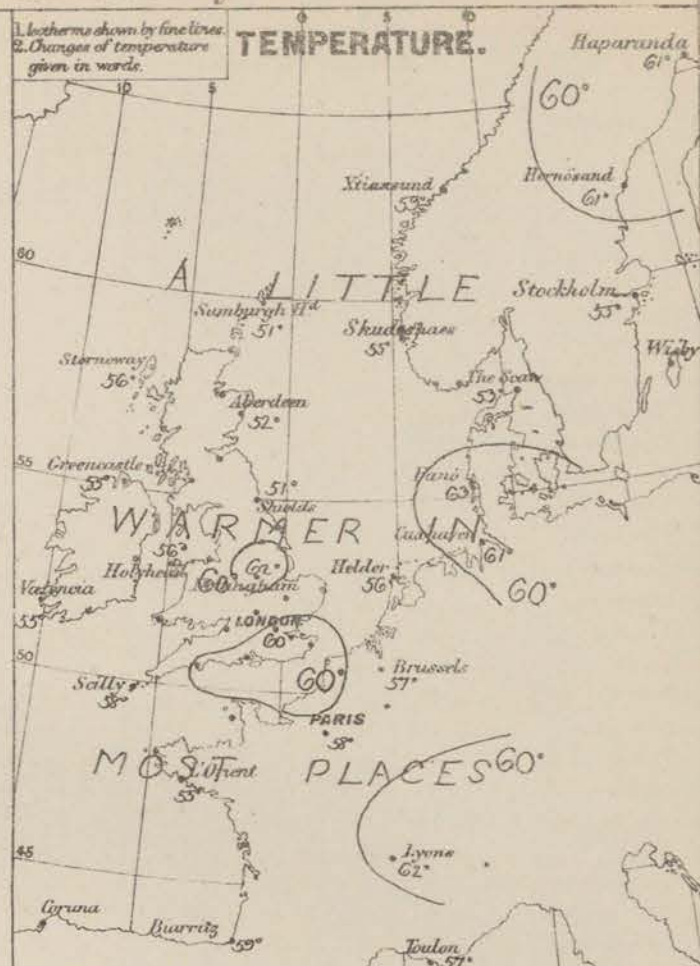
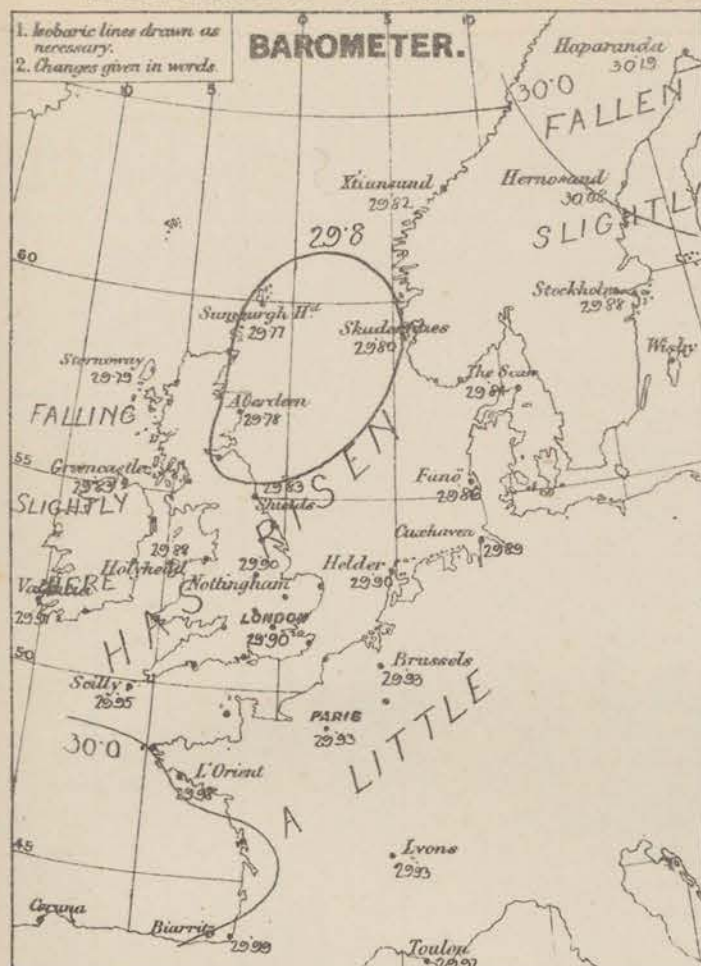
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

WEATHER CHARTS for 8 a.m. on Tuesday 18TH JUNE 1878.



REMARKS. Weather is clear at several stations, but over the greater part of Northern Europe the sky is more or less cloudy; at Valentia rain is falling, and at Shields fog is reported, while in many places there is slight haze. Rain fell in the south and east yesterday; 0.5 in. has been collected at Biarritz and 0.8 in. at the Lizard. Temperature has risen slightly generally; it is very uniform between 50° and 60° over Northern Europe, it is as high as 61° as far north as the Gulf of Bothnie; during yesterday it rose to 73° at Christiansund, to 72° at Biarritz, to 71° at Nottingham and to 65° in London. Wind is light on all coasts and varies considerably in direction. Sea is smooth except at the mouth of the Channel, where it is moderate.

Barometrical Indications. Pressure still changes very slightly; it is increasing over France, North Germany and the south east of England, but is decreasing in the west and north. It is relatively high both over the Gulf of Bothnia and the Bay of Biscay, while a shallow depression extends from the east of Scotland to the west of Norway. Small local irregularities are shown in different districts.

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

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

R. H. SCOTT.

Serrelay

DAILY WEATHER REPORT

JUNE 19th

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	30.08	48	Z	0	6	29.07	- .12	68	64	+ 7	SE	2	6	*	73	?	-		
Hernösand ...	29.96	62	NE	6	c	29.89	- .19	59	56	- 2	NE	4	0	*	*	*	-		
Stockholm ...	29.79	54	E	4	0	29.78	- .10	57	57	+ 2	SE	2	0	*	*	*	0.28		
Wisby ...	29.71	58	E	4	0	29.78		57	55		NNN	4	0	*	*	*	0.16		
Christiansund ...	29.72	66	SSW	1	6	? 29.86	+ .04	55	54	- 4	N	1	+	2	72	50	0.12		
Skudesnaes ...	29.78	54	SSE	5	0	29.82	+ .02	52	51	- 2	SSW	6	0	4	?	?	-		
Oxö (Ktiansand) ...	29.82	52	SSW	2	0	29.86	+ .04	53	51	- 1	SW	4	+	2	57	50	-		
Skagen (The Seaw) ...	29.83	53	N	3	c	29.89	+ .05	53	50	0	N	5	0	5	61	46	0.04		
Fanö ...	29.92	54	N	4	c	29.99	+ .13	61	56	- 2	SW	3	6c	*	63	52	-		
Cuxhaven ...	29.99	58	NN	2	6	30.02	+ .13	61	60	0	SSE	1	m	*	63	50	-		
Samburgh Head ...	29.74	50	ENE	2	f	29.50	+ .03	51	51	0	N	1	m	1	52	48	0.02		
Stornoway ...	29.79	57	SE	2	c	29.87	+ .08	58	53	+ 2	NN	2	6c	2	59	48	-		
Thurso ...	29.81	53	NN	2	0	29.87	+ .07	59	54	+ 8	N	1	6	2	52	45	0.01		
Wick ...	29.79	52	NNN	3	0	29.87	+ .09	59	53	+ 8	NN	1	6	0	60	40	-		
Nairn ...	29.86	57	Z	0	6	29.89	+ .08	57	52	+ 3	Z	0	6	0	62	45	-		
Aberdeen ...	29.79	59	SE	1	6c	29.90	+ .12	59	55	+ 7	S	2	6	1	62	44	-		
Leith ...	29.79	61	N	1	c	29.90	+ .11	59	54	+ 7	NN	2	6c	*	66	48	-		
Shields ...	29.85	61	NN	2	6	29.96	+ .13	55	50	?	NNN	1	6	0	62	47	-		
Scarborough ...	29.86	56	SSE	1	c	29.96	+ .12	54	52	+ 2	SE	1	c	0	60	57	-		
York ...	29.88	61	SW	1	c	29.96	+ .10	53	50	+ 1	NN	1	0	*	65	46	-		
Nottingham ...	29.91	61	N	1	m	29.99	+ .09	53	51	- 9	NN	2	c	*	74	57	0.01		
Ardrossan ...	29.84	60	S	3	6	29.93	+ .10	56	53	0	Z	0	om	0	63	48	-		
Greencastle ...	29.86	54	E	1	0	29.94	+ .11	58	55	+ 3	SW	2	6c	*	62	48	0.28		
Donaghadee ...	29.87	56	NNN	2	+	29.96	+ .10	55	53	- 2	ENE	2	c	1	62	50	0.18		
Kingstown ...	29.89	62	S	4	c	29.99	+ .09	55	52	- 1	NNN	4	6c	3	62	53	0.02		
Holyhead ...	29.90	61	SW	2	c	29.97	+ .09	56	54	0	N	2	6c	1	63	52	-		
Liverpool (Bidston) ...	29.89	60	NNN	1	c	29.97	+ .09	58	52	+ 2	Z	0	c	1	62	52	-		
Valencia ...	29.97	57	NN	3	6c	30.03	+ .12	57	53	+ 2	S	2	6c	3	61	45	0.01		
Roche's Point ...	29.95	55	NNN	3	c	30.04	+ .10	54	50	+ 4	NN	1	6	1	61	48	0.38		
Pembroke ...	29.92	60	NNN	1	6c	30.00	+ .10	56	53	- 3	NNN	1	6	1	65	57	-		
Portishead ...	29.89	59	SW	1	0	29.96	+ .07	59	54	+ 2	N	2	6m	2	68	50	-		
Scilly ...	29.97	60	N	3	6c	30.05	+ .10	58	54	0	NNN	4	6c	4	61	64	-		
Plymouth ...	29.93	62	N	1	0	30.00	+ .09	60	56	0	NN	4	6	*	66	57	-		
Hurst Castle ...	29.91	61	NNN	3	6c	29.96	+ .06	58	56	- 2	NN	3	6c	2	63	57	-		
Dover ...	29.91	61	SE	1	6	29.96	+ .05	57	56	- 3	SW	1	c9	0	63	56	-		
London ...	29.90	64	N	1	6c	29.95	+ .05	60	56	0	NNN	1	c	*	66	48	0.01		
Oxford ...	*	*	*	*	*	29.95	+ .04	56	54	+ 1	SW	1	c	*	?	51	-		
Cambridge ...	29.92	60	S	1	0	29.96	+ .04	59	56	+ 4	S	1	0	*	69	46	-		
Yarmouth ...	29.90	58	S	2	6c	29.97	+ .08	55	54	0	Z	0	+	0	59	52	0.08		
The Helder ...	*	*	*	*	*	29.99	+ .09	59	58	+ 3	NNE	1	6	*	*	*	-		
Cape Gris Nez ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Jersey ...	29.98	57	NN	3	6c	30.05	+ .10	56	54	- 1	NN	3	c	3	61	53	-		
Brest ...	30.05	?	NN	3	6c	30.11	+ .11	58	54	0	NN	2	0	3	63	50	0.04		
L'Orient ...	30.03	61	NN	3	c	30.08	+ .10	59	55	+ 4	NNN	2	6	2	66	50	0.08		
Rochefort ...	30.07	66	NN	3	c	30.13	+ .10	61	59	+ 2	NNN	4	6c	3	?	54	-		
Biarritz ...	30.00	64	NN	1	6c	30.12	+ .13	61	57	+ 2	NNN	4	c	3	64	55	-		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.94	+ .01	60	58	+ 3	E	1	0	*	70	53	-		
Charleville ...	*	*	*	*	*	? 29.90	+ .02	58	*	- 1	SE	1	0	*	*	*	*		
Paris ...	29.92	56	NE	3	6	29.97	+ .04	55	55	- 3	N	2	0	*	*	*	0.36		
Lyons ...	*	*	*	*	*	30.02	+ .09	63	*	+ 1	N	2	c	*	*	*	*		
Toulon ...	29.98	66	S	3	m	29.99	+ .02	59	57	+ 2	SE	4	+	3	68	57	0.91		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry	Wet.	Wind.	Wes.		
Skudesnaes ...	29.80	58	53	SSE	6	0	5	Valencia	29.93	58	54	NNN	2	c
Thurso	29.80	54	52	NN	2	om	2	Scilly	29.97	60	56	N	3	6c
Scarborough ...	29.84	57	58	SSE	1	6c	1	London	29.91	62	58	NNN	2	6po
Greencastle ...	29.85	60	54	S	2	0	*	Rochefort ...	30.04	64	64	NN	4	6c
Holyhead	29.90	61	56	Z	0	c	0							

No important change since the morning.

EXPLANATION OF COLUMNS.

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

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

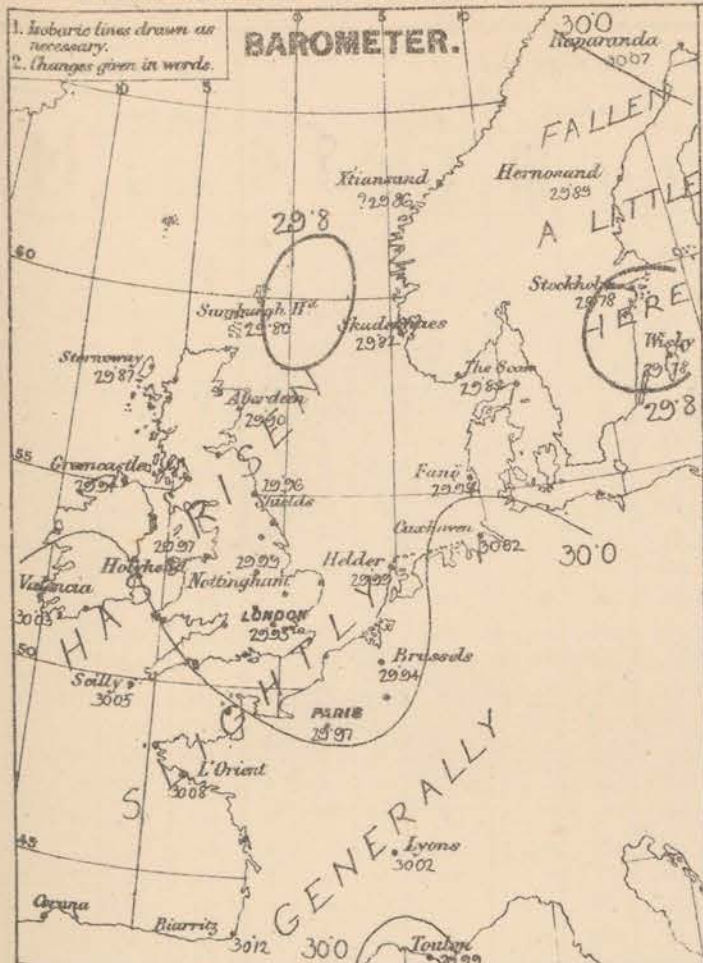
† The evening observations are taken at 6 p.m. in our islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Wednesday 19th JUNE 1876.

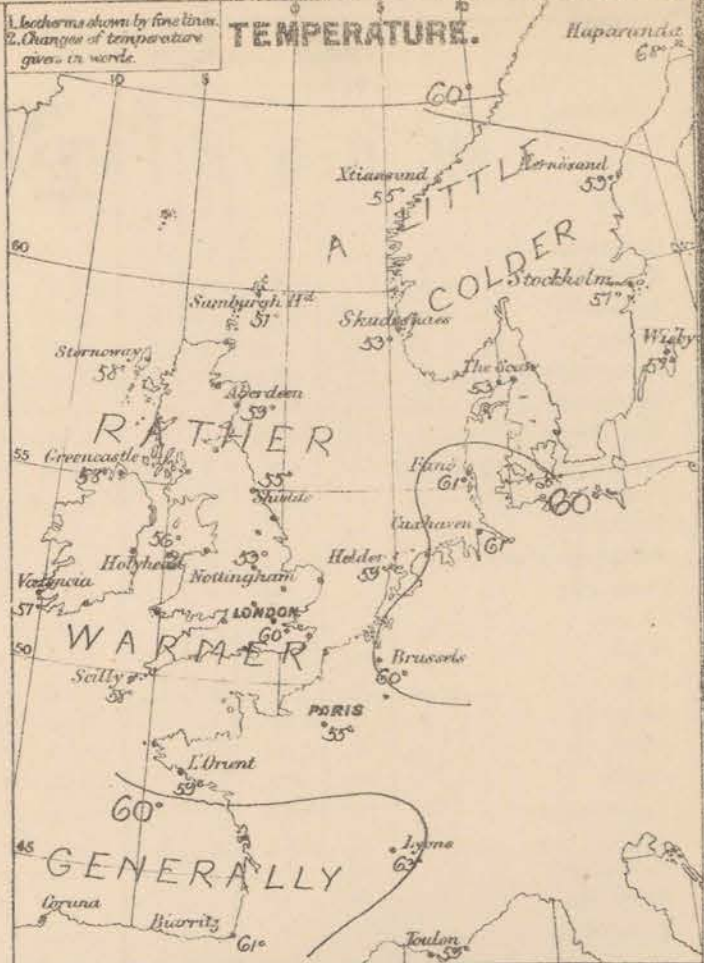
1. Isobars lines drawn as necessary.
2. Changes given in words.

BAROMETER.



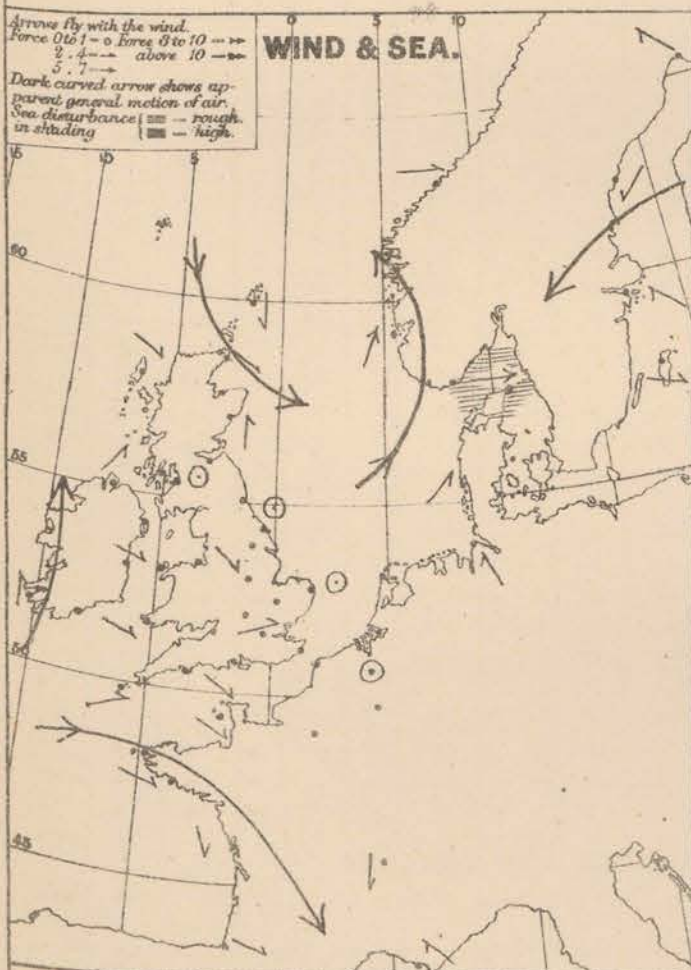
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



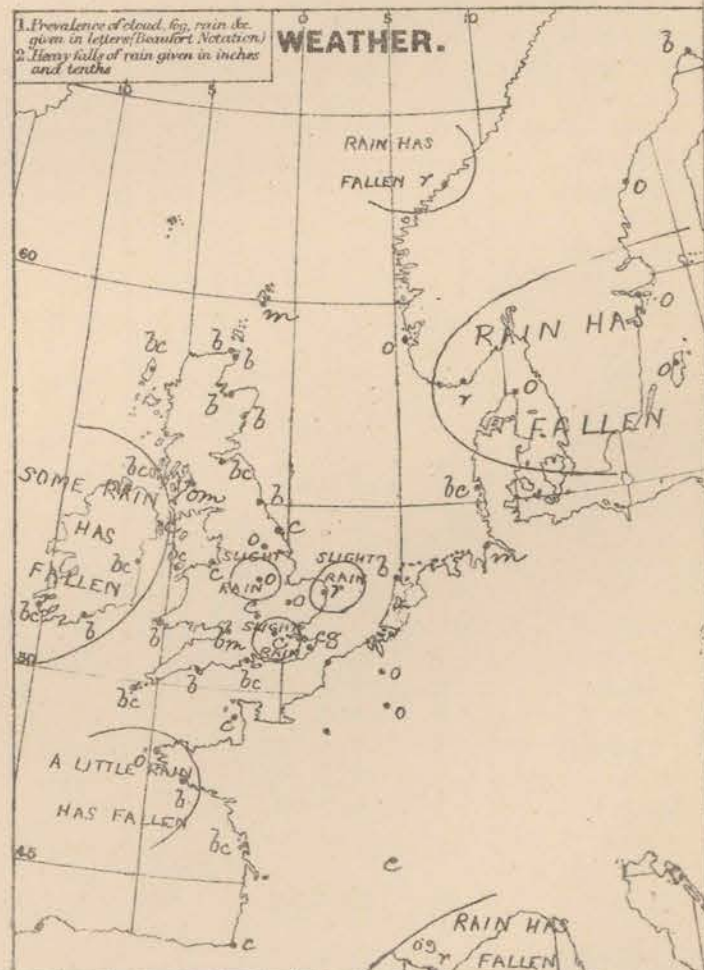
1. Force 0 to 10 — 0 Force 8 to 10 — 2.4 — above 10 — 5.7 —
2. Dark curved arrow shows apparent general motion of air.
3. Sea disturbance — rough in shading — high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is moderately clear over the greater part of these Islands and France, but in the south-east of England as well as over the south of Scandinavia the sky is overcast or cloudy with rain at Christiansund, Oslo and Yarmouth. Showers of rain have fallen at a few places, but the weather generally has been dry. Light thunderstorms occurred in London yesterday. Temperature has risen several degrees in Scotland but has not changed much elsewhere; it varies over these Islands from 60° in London and 56° at Wick to 53° at York and Nottingham; the highest temperature reading reported this morning is taken at Haparanda (Lappland) during yesterday the thermometer rose to 70° at Brussels, to 66° in London, to 74° at Nottingham, to 72° at Christiansund and to 73° at Haparanda. Wind is light from W. to NW. on most of our coast and the French coast, but a moderate breeze from SW is reported from Norway and Denmark, and from E in the Gulf of Bothnia. Sea is moderate to smooth. Barometrical indications. Pressure is decreasing somewhat over Sweden but is increasing in all other places; it is highest over the Bay of Biscay, while shallow depressions are shown one near the Shetlands and a second advancing from the E. over the Baltic.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JUNE 20th 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										WIND & HOB.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea.	SHADE TEMP.				
			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.	of Rainfall.		
Haparanda ...	29.96	72	Z	0	δ	30.01	-.06	64	63	-	4	S	2	f	*	79	61	-	
Hernösand ...	29.92	53	ESE	2	f	30.00	+.11	59	58	0	0	Z	0	0	*	*	*	0.04	
Stockholm ...	29.93	58	Z	0	δ	29.95	+.17	64	60	+	7	Z	0	c	*	*	*	-	
Wibby ...	29.87	57	NNH	4	δ	29.97	+.19	55	53	-	2	NNH	4	δ	*	*	*	-	
Christiansund ...	29.91	53	WSW	5	δ	30.09	+.23	55	52	0	0	WSW	2	c	2	55	48	0.20	
Skudesnaes ...	30.02	53	WSW	2	r	30.10	+.28	57	53	+	4	NNH	1	c	2	?	52	-	
Oxö (Ålmsåsa) ...	30.00	55	WSW	4	δ	30.04	+.18	56	50	+	3	NNH	2	δ	2	?	48	-	
Skagen (The Sea) ...	29.99	53	N	4	δ	30.03	+.14	55	52	+	2	N	3	δ	2	59	46	-	
Fanö ...	30.08	53	NNH	1	f	30.10	+.11	60	55	-	1	NE	2	δ	*	66	43	-	
Cuxhaven ...	30.10	63	ENE	5	δ	30.07	+.05	62	62	+	1	ENE	2	δ	*	63	55	-	
Sumburgh Head ...	29.96	52	NNH	2	0	30.06	+.26	50	49	-	1	ESE	3	0	3	55	44	-	
Stornoway ...	29.93	56	NE	1	δ	29.90	+.03	57	53	-	1	SSE	4	δ	4	59	45	0.05	
Thurso ...	29.98	56	Z	0	c	29.99	+.12	60	57	+	1	SSE	1	δ	1	64	44	0.02	
Wick ...	29.98	56	Z	0	δ	30.01	+.14	57	55	-	2	SSE	2	δ	0	63	41	-	
Nairn ...	29.95	58	Z	0	0	29.99	+.10	56	52	-	1	Z	0	δ	0	64	44	0.14	
Aberdeen ...	29.98	57	N	1	c	30.02	+.12	59	56	0	0	S	1	δ	1	65	48	-	
Leith ...	29.96	61	SW	1	δ	30.00	+.10	62	56	+	3	ENE	1	δ	*	71	44	0.09	
Shields ...	30.00	58	SSE	1	δ	30.04	+.08	56	53	+	1	NN	1	of	1	63	45	-	
Scarborough ...	30.01	55	SE	1	δ	30.06	+.10	57	55	+	3	S	1	δ	0	58	50	-	
York ...	30.01	63	SE	1	δ	30.07	+.11	53	53	0	0	ESE	1	δ	*	63	45	-	
Nottingham ...	30.03	60	ENE	1	δ	30.08	+.09	58	57	+	5	ENE	1	m	*	67	49	0.03	
Ardrossan ...	29.97	62	SW	2	δ	29.98	+.05	61	56	+	5	SSH	2	δ	1	64	48	-	
Greencastle ...	29.98	58	E	2	δ	29.88	-.06	58	53	0	0	S	4	c	*	66	57	-	
Donaghadee ...	30.00	56	S	3	δ	29.98	+.02	55	54	0	0	SSH	5	c	3	60	48	0.14	
Kingsdown ...	30.03	60	S	4	δ	29.98	-.01	58	55	+	3	S	4	c	4	63	53	-	
Holyhead ...	30.03	62	SW	2	δ	30.03	+.06	57	54	+	1	S	2	c	1	64	57	-	
Liverpool (Bidston) ...	30.02	59	NNH	1	δ	30.03	+.06	56	54	-	2	SE	1	c	1	65	51	-	
Valencia ...	29.99	58	S	5	0	29.80	-.23	57	56	0	0	S	7	ty	6	62	52	0.80	
Roche's Point ...	30.05	60	SW	4	c	29.92	-.12	56	56	+	2	SSH	6	trv	4	63	50	0.22	
Pembroke ...	30.06	61	NNH	1	δ	30.04	+.04	57	54	+	1	SSE	2	c	2	61	57	-	
Portishead ...	30.01	62	N	2	δ	30.04	+.08	61	57	+	2	N	2	δ	2	67	50	-	
Scilly ...	30.12	60	N	1	δ	30.05	.00	59	56	+	1	S	5	c	4	61	55	-	
Plymouth ...	30.05	61	NN	2	δ	30.08	+.08	58	55	-	2	E	1	c	*	64	48	0.13	
Hurst Castle ...	30.01	64	N	4	δ	30.08	+.12	58	57	0	0	N	1	δ	2	67	41	-	
Dover ...	30.08	59	ESE	1	c	30.06	+.10	64	58	+	7	NNH	1	δ	0	64	55	-	
London ...	30.00	64	Z	0	δ	30.06	+.11	60	57	0	0	N	1	δ	*	67	47	0.41	
Oxford ...	*	*	*	*	*	30.06	+.11	63	52	-	3	Z	0	δ	*	61	44	-	
Cambridge ...	30.01	59	N	1	c	30.07	+.11	57	56	-	2	N	1	c	*	70	45	0.44	
Yarmouth ...	30.01	56	NE	1	r	30.05	+.08	55	54	0	0	N	1	c	2	59	53	0.40	
The Helder ...	*	*	*	*	*	30.02	+.03	59	57	0	0	ENE	2	c	*	*	*	-	
Cape Gris Nez ...	30.01	59	N	1	m	30.08	+	59	57	+	2	NN	1	c	1	64	55	-	
Jersey ...	30.11	58	NNH	3	δ	30.15	+.10	58	57	+	2	WSW	2	δ	2	61	52	-	
Brest ...	30.18	?	NNH	2	δ	30.17	+.06	55	54	0	0	SSE	2	δ	3	63	50	-	
L'Orient ...	30.12	61	NN	4	δ	30.14	+.06	61	59	+	2	S	1	δ	2	66	50	-	
Rochefort ...	30.19	66	NN	4	δ	30.29	+.07	59	57	-	2	SE	1	δ	3	?	54	-	
Biarritz ...	30.18	66	Z	0	δ	30.10	-.02	57	55	-	4	ENE	3	δ	3	?	48	-	
Corunna ...	*	*	*	*	*	30.01	+.07	59	58	-	1	N	2	0	*	65	57	0.59	
Brussels ...	*	*	*	*	*	29.98	+.08	54	*	-	4	NN	3	0	*	*	*	*	
Charleville ...	*	*	*	*	*	?	?	52	51	-	3	NNH	2	0	*	*	*	0.05	
Paris ...	30.01	58	NNH	2	0	30.11	+.14	52	51	-	3	NNH	2	0	*	*	*	*	
Lyons ...	*	*	*	*	*	?	?	61	*	-	2	NN	4	δ	*	*	*	*	
Toulon ...	29.99	61	N	5	δ	29.97	-.02	55	50	-	4	NN	6	δ	6	64	?	1.02	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.			
Skudesnaes ...	29.98	55	52	NNH	4	0	4	Valencia ...	30.01	58	55	SSH	5	2	4
Thurso	29.94	60	57	NNH	1	c	2	Scilly	30.09	60	55	NH	4	δ	4
Scarborough ...	30.00	56	52	SE	1	δ	1	London	29.97	62	58	Z	0	c	*
Greencastle ...	29.97	61	56	E	2	c	*	Rocheport ...	30.15	64	57	NH	3	δ	3
Holyhead	30.02	59	56	NH	2	δ	1								

Pressure is changing very little, but is inclined to increase except at Valencia, where the wind is fresh from south west. A local depression lies near London.

EXPLANATION OF COLUMNS

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

JUNE 21st

1878.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda	30.00	67	S	2	c	30.06	+ .05	70	63	+ 6	WCH	2	0	*	75	59	-		
Hernösand	30.03	59	SSW	2	c	30.03	+ .03	60	57	+ 1	NNW	2	0	*	*	*	0.02		
Stockholm	29.99	63	NNE	2	r	29.95	00	60	59	- 4	NNE	4	0	*	*	*	-		
Wiesby	29.97	54	NE	4	bc	29.93	- .04	53	53	- 2	NNW	4	r	*	*	*	0.20		
Christiansund	30.17	57	NNE	3	0	30.09	00	55	52	0	NNE	2	0	2	57	46	-		
Skudesnaes	30.10	55	NNW	4	0	30.09	- .01	62	57	+ 5	NNE	2	0	2	?	55	-		
Oxö (Xiänsand)	30.03	59	SW	2	0	30.05	+ .01	59	54	+ 3	S	2	0	1	61	52	-		
Skagen (The Swan)	30.02	53	NNW	2	0	30.05	+ .02	57	55	+ 2	NNW	3	0	2	72	46	-		
Fanö	30.12	53	W	1	0	30.12	+ .02	64	60	+ 4	W	2	0	*	66	48	-		
Cuxhaven	30.18	65	NNW	2	0	30.13	+ .06	66	64	+ 4	SE	1	0	*	66	55	-		
Sumburgh Head	30.03	50	SE	4	m	29.98	- .05	53	52	+ 3	SE	5	c	5	56	48	-		
Stornoway	29.78	62	S	8	c	29.85	- .05	57	54	0	SW	3	0	5	64	49	0.18		
Thurso	29.90	58	SE	4	c	29.88	- .11	54	54	- 6	SSE	2	r	0	66	53	0.05		
Wick	29.92	55	S	5	bc	29.89	- .12	52	52	- 5	SSE	3	r	2	62	57	0.05		
Nairn	29.89	66	S	2	c	29.87	- .12	56	54	0	W	0	r	1	71	55	0.14		
Aberdeen	29.97	57	S	14	0	29.94	- .03	55	53	- 4	S	3	c	2	63	52	0.01		
Leith	29.93	67	SW	2	0	29.95	- .05	60	56	- 2	SW	3	c	*	73	53	0.09		
Shields	30.01	57	SSE	4	0	30.00	- .04	58	55	+ 2	W	1	0	1	63	57	0.02		
Scarborough	30.02	53	SE	1	bc	30.02	- .04	65	58	+ 8	W	1	0	2	66	57	-		
York	30.02	64	SE	2	0	30.05	- .02	61	56	+ 8	SW	3	0	*	70	50	-		
Nottingham	30.03	70	SSE	3	0	30.09	+ .06	63	57	+ 5	S	3	c	*	78	49	-		
Aldersan	29.90	57	SW	5	0	29.95	- .03	56	53	- 5	WSW	2	0	1	67	48	0.35		
Greencastle	29.79	58	SE	4	0	29.94	+ .06	55	52	- 3	SW	2	0	*	63	46	0.18		
Donaghadee	29.90	56	SSE	5	0	29.98	00	57	56	+ 2	WSW	3	0	2	60	52	0.13		
Kingstown	29.91	57	S	5	r	30.03	+ .05	56	53	- 2	NNW	4	bc	3	60	54	0.06		
Holyhead	29.99	63	S	3	c	30.03	00	56	55	- 1	W	1	m	1	67	54	0.20		
Liverpool (Bidston)	29.98	65	NW	1	bc	30.03	00	55	53	- 1	SE	1	0	1	69	55	0.03		
Valencia	29.86	59	WSW	3	c	30.03	+ .23	57	52	0	SW	4	bc	4	62	45	0.09		
Roche's Point	29.86	57	W	4	c	30.03	+ .11	54	50	- 2	NNW	1	0	2	60	48	0.78		
Pembroke	30.01	58	S	4	0	30.04	00	55	55	- 2	SW	4	0	4	62	53	0.14		
Portishead	30.04	64	SW	3	0	30.08	+ .04	60	55	- 1	SW	2	bc	1	69	52	-		
Scilly	30.03	59	S	6	0	30.07	+ .02	59	58	0	SW	4	omp	5	64	57	0.11		
Plymouth	30.09	60	S	2	bc	30.09	+ .01	61	57	+ 3	S	1	0	*	65	55	-		
Hurst Castle	30.10	61	W	2	0	30.11	+ .02	63	61	+ 5	S	3	bc	2	65	54	-		
Dover	30.09	61	WSW	2	0	30.14	+ .05	63	57	- 1	WSW	1	0	0	64	51	-		
London	30.06	69	S	1	0	30.13	+ .07	63	56	+ 3	WSW	1	0	*	74	47	-		
Oxford	*	*	*	*	*	30.11	+ .05	60	54	+ 7	S	2	0	*	70	48	-		
Cambridge	30.03	70	SE	1	bc	30.14	+ .07	62	58	+ 5	SW	1	bc	*	72	44	-		
Yarmouth	30.06	60	SE	1	0	30.13	+ .08	62	56	+ 7	SW	2	0	1	62	57	-		
The Helig	*	*	*	*	*	30.13	+ .11	62	59	+ 3	SW	1	bc	*	*	*	-		
Cape Gris Nez	30.12	61	SW	2	0	30.16	+ .08	63	59	+ 4	WSW	1	c	0	66	52	-		
Jersey	30.13	64	W	0	0	30.15	00	64	61	+ 6	SSE	1	bc	1	65	55	-		
Brest	30.13	?	S	2	0	30.16	- .01	57	55	+ 2	ESE	1	0	3	64	50	-		
L'Orient	30.12	64	SW	1	bc	30.11	- .03	61	57	0	E	2	c	2	68	52	-		
Rochefort	30.16	70	ESE	3	bc	30.14	- .06	61	61	+ 2	E	3	0	3	77	50	-		
Biarritz	30.03	68	ENE	4	0	30.01	- .09	73	61	+ 16	E	3	bc	3	79	48	-		
Corunna	*	*	*	*	*										*	*	*		
Brussels	*	*	*	*	*	30.17	+ .16	62	59	+ 3	W	1	0	*	69	56	-		
Charleville	*	*	*	*	*	30.12	+ .14	61	57	+ 7	SW	3	0	*	*	*	*		
Paris	30.11	68	NNW	2	0	30.18	+ .07	67	60	+ 5	E	2	0	*	*	*	-		
Lyons	*	*	*	*	*	30.14	?	61	57	0	N	2	0	*	*	*	*		
Toulou	29.95	68	NW	7	0	30.09	+ .12	64	59	+ 9	E	2	bc	3	68	59	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes	30.11	58	53	NNW	6	bc	3	Valencia	29.81	59	57	WSW	3	0	4
Thurso	29.93	65	60	SE	4	bc	1	Scilly	30.04	63	60	S	6	4	5
Scarborough	30.02	56	55	SE	2	bc	2	London	30.07	71	64	S	2	bc	*
Greencastle	29.82	57	55	SE	4	r	*	Rochefort	30.18	73	72	NN	2	0	1
Holyhead	30.01	64	58	S	3	0	2								

There is no change of importance since the morning. The depression noticed at 8 a.m. is moving N.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.

DAILY WEATHER REPORT

JUNE 22ND

1878.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.96	70	N	2	b	29.91	- .15	63	61	- 7	NN	4	c	*	81	59	0.20	
Hernösand ...	30.00	59	Z	0	c	29.97	- .06	60	58	0	Z	0	o	*	*	*	0.35	
Stockholm ...	29.93	58	SE	2	o	29.96	+ .01	59	57	- 1	Z	0	o	*	*	*	0.47	
Wisby ...	29.97	57	N	2	f	29.96	+ .03	60	59	+ 7	SSH	4	o	*	*	*	0.59	
Christiansund ...	30.04	58	NNE	2	b	30.00	- .09	59	55	+ 4	NE	2	b	2	63	49	-	
Skudesnaes ...	30.07	61	N	1	b	30.10	+ .01	55	54	- 7	NNN	2	f	2	63	?	-	
Oxö (Xiansand) ...	30.02	61	SW	4	b	30.03	- .02	58	54	- 1	SSH	4	b	3	66	54	-	
Skagen (The Sea) ...	30.02	57	NNN	3	b	30.03	- .02	59	55	+ 2	N	5	b	5	72	52	-	
Fanö ...	30.13	57	SSH	1	b	30.23	+ .11	59	57	- 5	NNN	4	c	*	66	54	0.39	
Cuxhaven ...	30.20	62	NNN	1	m	30.21	+ .08	66	64	0	NN	1	b	*	66	55	-	
Sumburgh Head ...	29.97	54	NNE	2	c	30.13	+ .15	55	52	+ 2	N	2	b	1	56	44	0.04	
Stornoway ...	29.98	58	SW	7	b	30.05	+ .20	58	54	+ 1	SW	6	b	5	61	49	0.10	
Thurso ...	30.01	57	ESE	1	f	30.12	+ .24	62	58	+ 8	Z	0	b	0	63	44	0.45	
Wick ...	30.03	56	E	1	b	30.13	+ .24	59	55	+ 7	SE	2	b	1	64	46	0.09	
Nairn ...	29.99	62	SW	1	b	30.14	+ .27	59	52	+ 3	Z	0	b	0	66	47	-	
Aberdeen ...	29.97	64	S	1	b	30.16	+ .22	60	55	+ 5	S	1	b	1	66	46	-	
Leith ...	30.03	63	NN	3	b	30.14	+ .19	62	55	+ 2	NE	1	b	*	69	48	-	
Shields ...	30.08	63	NNN	1	o	30.18	+ .18	61	54	+ 3	NE	2	b	2	65	47	0.01	
Scarborough ...	30.07	66	SW	1	o	30.19	+ .17	59	55	- 6	N	1	b	1	71	55	0.02	
York ...	30.10	65	SW	1	o	30.20	+ .15	61	57	0	N	1	b	*	67	54	-	
Nottingham ...	30.12	70	SSH	1	c	30.21	+ .12	69	63	+ 6	S	2	b	*	77	59	-	
Ardrossan ...	30.04	62	SSH	3	b	30.14	+ .19	59	55	+ 3	SE	1	b	1	66	50	-	
Greencastle ...	30.02	59	SW	2	c	30.10	+ .16	56	53	+ 1	SW	2	b	*	67	45	-	
Donaghadee ...	30.07	58	SW	3	b	30.16	+ .18	58	55	+ 1	E	3	b	2	64	55	-	
Kingstown ...	30.09	63	ESE	4	b	30.18	+ .15	56	52	0	E	2	b	1	63	54	-	
Holyhead ...	30.12	62	SW	3	b	30.18	+ .15	56	54	0	SSH	2	b	1	65	57	-	
Liverpool (Bidston) ...	30.11	55	NNN	1	o	30.18	+ .15	60	55	+ 5	ESE	1	c	1	61	54	0.02	
Valencia ...	30.12	59	SSH	3	b	30.14	+ .11	58	53	+ 1	SSH	5	c	5	62	52	-	
Roche's Point ...	30.14	57	SSH	4	b	30.19	+ .16	58	53	+ 4	S	2	b	3	64	49	-	
Pembroke ...	30.13	62	N	2	b	30.19	+ .15	61	57	+ 6	Z	0	b	1	65	53	0.02	
Portishead ...	30.09	58	SSH	2	b	?	?	60	57	0	SSH	1	o	1	71	46	-	
Seilly ...	30.14	58	N	3	o	30.19	+ .12	59	57	0	? S	4	c	4	65	55	0.04	
Plymouth ...	30.14	64	SSH	2	c	30.19	+ .10	63	60	+ 2	SW	2	b	*	68	56	-	
Hurst Castle ...	30.14	67	SSE	3	b	30.20	+ .09	66	64	+ 3	E	1	b	2	68	53	-	
Dover ...	30.16	62	SSH	1	b	30.21	+ .07	72	62	+ 9	NNN	1	b	0	72	56	-	
London ...	30.14	72	S	2	b	30.20	+ .07	68	59	+ 5	SSH	1	b	*	76	51	-	
Oxford ...	*	*	*	*	*	30.20	+ .09	64	60	+ 4	SSH	1	b	*	77	52	-	
Cambridge ...	30.13	72	SW	1	b	30.21	+ .07	61	58	- 1	SW	1	b	*	77	49	-	
Yarmouth ...	30.18	62	SSE	3	b	30.21	+ .08	65	60	+ 3	Z	0	b	0	67	51	-	
The Helder ...	*	*	*	*	*	30.20	+ .07	64	59	+ 2	SW	1	b	*	*	*	-	
Cape Gris Nez ...																		
Jersey ...	30.17	70	Z	0	b	30.21	+ .06	70	64	+ 6	Z	0	b	0	71	58	-	
Brest ...	30.21	70	NNN	2	b	30.22	+ .06	61	59	+ 4	E	1	b	2	70	54	-	
L'Orient ...	30.14	70	NN	1	b	30.19	+ .08	64	61	+ 3	E	2	b	1	79	55	-	
Rocheport ...	30.16	70	NN	2	b	30.19	+ .05	64	61	+ 3	E	1	b	3	77	55	-	
Biarritz ...	30.11	68	NNE	1	b	30.12	+ .11	63	61	- 10	NE	2	m	3	82	59	-	
Coronna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.21	+ .04	67	59	+ 5	NNE	2	b	*	74	57	-	
Charleville ...	*	*	*	*	*	30.14	+ .02	65	*	+ 4	NE	1	o	*	*	*	*	
Paris ...	? 30.15	71	SSH	1	c	30.19	+ .01	66	61	- 1	NE	4	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.17	+ .03	64	*	+ 3	NE	2	f	*	*	*	*	
Toulon ...	30.14	70	SSE	1	b	30.15	+ .06	72	61	+ 8	Z	0	b	1	72	63	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.	
Skudesnaes ...	30.06	63	57	NNN	2	b	Valencia	30.09	61	55	SW	3	b	4
Thurso	29.97	56	53	N	1	b	Seilly	30.12	60	59	NNN	2	f	4
Scarborough ...	30.04	69	63	SSH	1	b	London	30.13	74	67	S	2	b	*
Greencastle ...	29.98	64	55	S	2	b	Rocheport ...	30.17	73	64	NN	1	b	3
Holyhead	30.08	61	57	NNN	2	c								

Pressure is increasing slowly everywhere. The weather is fine over the whole country.

EXPLANATION OF COLUMNS.

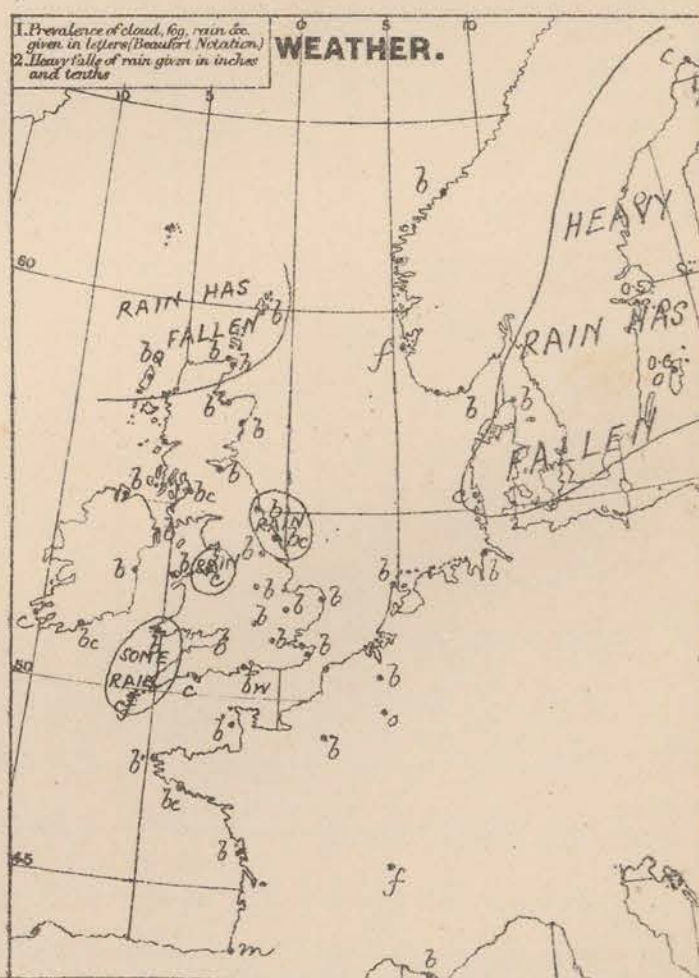
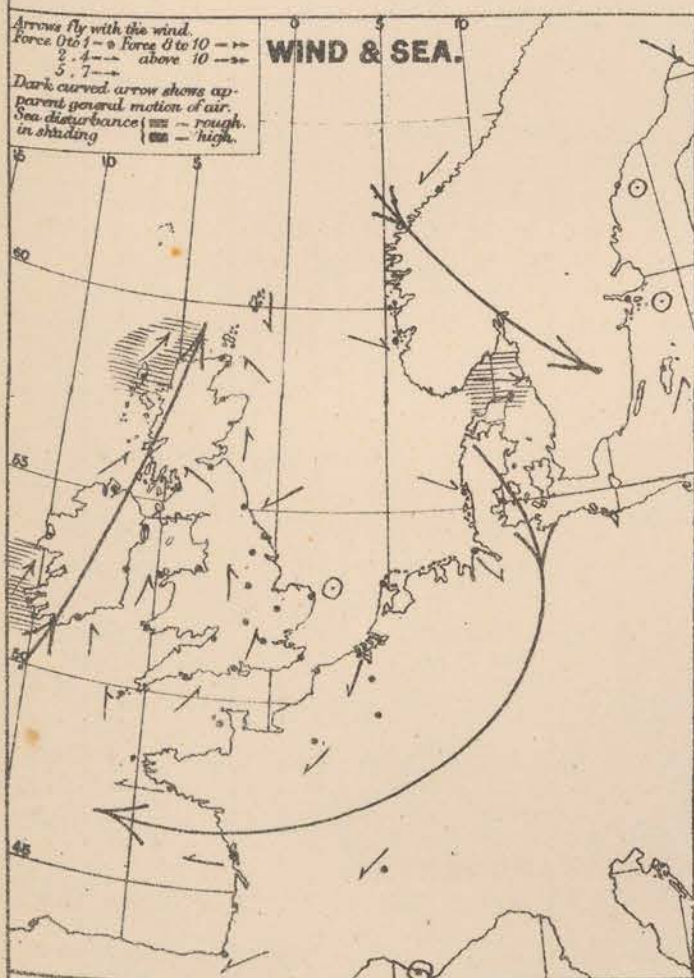
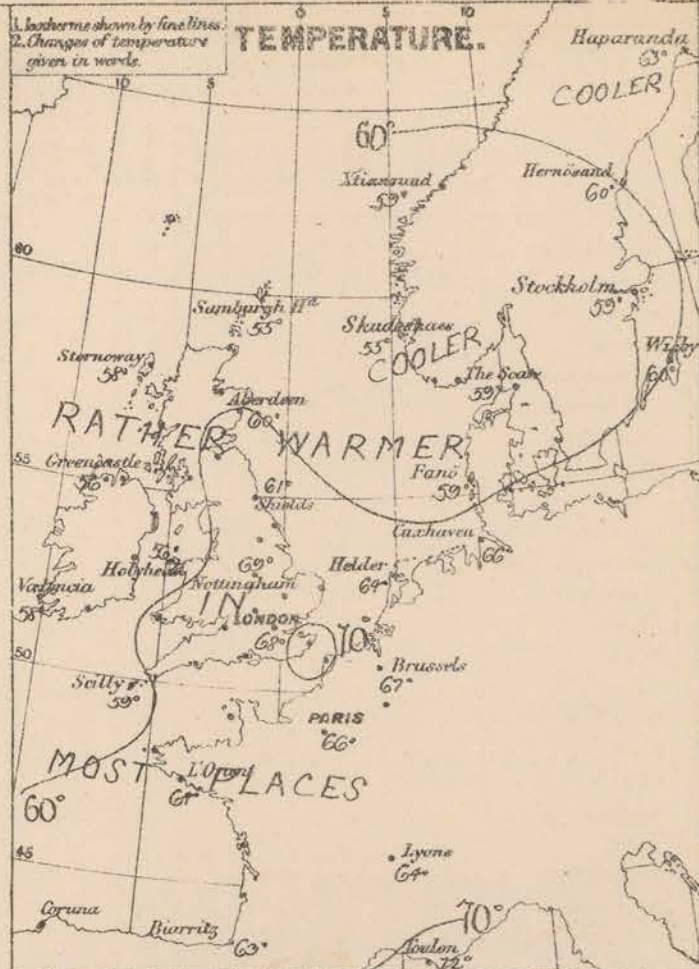
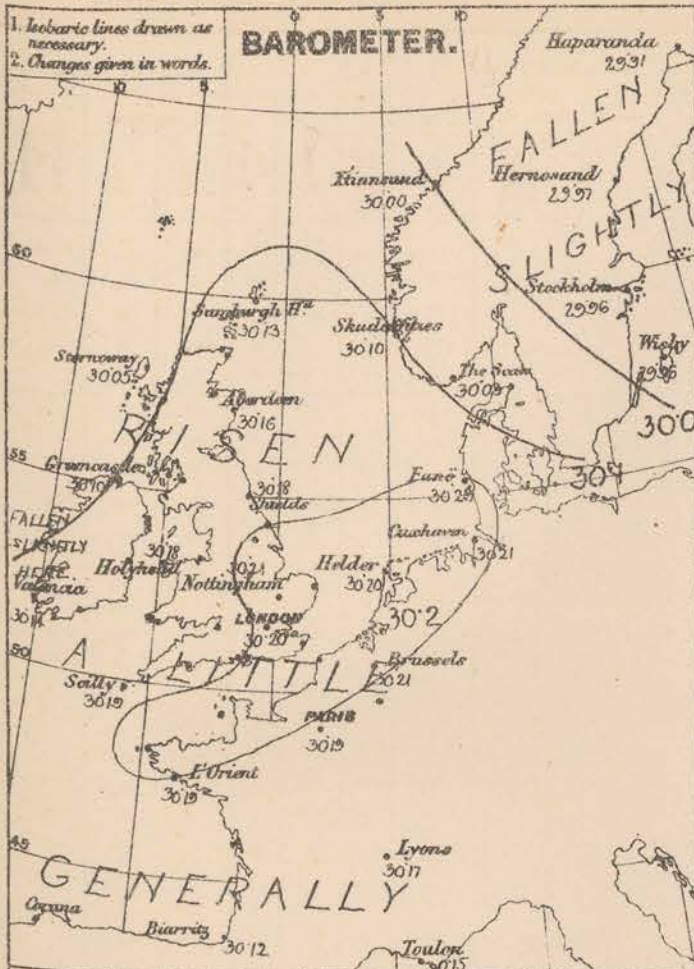
WEATHER.--Beaufort Scale is, b, blue sky; c, detached clouds; d, drizzling rain; f, fog; g, dark, gloomy; h, hail; l, lightning; m, misty (hazy); o, overcast; p, passing showers; q, squally; r, rain; s, snow; t, thunder; u, ugly, threatening; v, visibility, unusual transparency; w, dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Saturday 22ND JUNE 1878



REMARKS. Weather is clear over nearly the whole of W^{est} Europe, but in the S. of Ireland and at Scilly some cloud is reported, and in Sweden the sky is overcast. At Stornoway passing squalls are felt and at Skudenes and Lyngs there is some fog. Temperature has risen except over the Gulf of Bothnia, it varies over these islands from 72° at Dover to 56° in the N. of Ireland, during yesterday the thermometer in the shade rose to 82° at Biarritz, to 76° in London, to 77° at Nottingham and to 87° at Haparanda (Lapland). Wind is fresh from the W. over our western N^{orthern} coasts, and moderate from W. in Denmark, and the S. of Scandinavia, but elsewhere it is very light in force generally from the E. (and from various points over these islands). Sea is rough at Valentia and Stornoway, moderate at the mouth of the Channel, smooth to calm on our other coasts.

Barometrical Indications. Pressure is decreasing somewhat over Sweden, and very slightly at Valentia, but is increasing in all other places. An area of high pressure lies over the Channel, S.E. of England, and N. Germany, while slight depressions are passing N^{orthern} up our W^{estern} coasts.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JUNE 16th to JUNE 22nd 1878.

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

The early part of this week was marked by a somewhat exceptional phenomenon. A depression which had originated in Bohemia advanced in a NW^{ly} direction, on Sunday it lay over Holstein, on Monday over the west of Norway and on Tuesday and Wednesday between the Lofoten and Norwegian coast, where it appears to have become dispersed. During the first few days N^{ly} breezes were consequently experienced the weather was cloudy or dull, and temperature comparatively low, but after the disappearance of the depression noticed above light and uniform readings spread over us from the southward, light SW^{ly} to W^{ly} breezes prevailed and temperature gradually rose and reached a maximum of 80° in London on Saturday.

JUNE 16th A brisk fall of the barometer had occurred over North Germany, and a well defined depression had advanced from Bohemia eastward to Schleswig; in other parts of Western Europe the changes in pressure were much slighter, over the N. of Scandinavia and on our western coasts the mercury was rising while in the east and over France it was falling. Wind was NE^{ly} over Norway and Sweden, N^{ly} on most of our coasts and NW^{ly} in France, but in North Germany it was moderate from SW. While on our extreme NW coasts a very light breeze from the same quarter was reported at Wexford, and over the Skagerrack a gale was blowing. Temperature had changed irregularly, but was inclined to rise in most places; it was very uniform over Western Europe; weather was fine over Scotland as well as over the English Channel and the Netherlands but was cloudy or overcast elsewhere; at Oxford, Hildes and over Denmark rain was falling. During the day the mercury rose somewhat in the west of France and at Sicily, and briskly in North Germany, but fell in all other places; the depression had travelled NW^{ly} towards the S. of Norway.

JUNE 17th Pressure had increased briskly over North Germany and slightly over France, and all our more S^{ly} and W^{ly} stations; on our NE coasts, however, and in Norway the mercury had fallen and the depression was shown off the west of Norway. Wind was N^{ly} on our coasts, NW^{ly} to W^{ly} in France, SW^{ly} to S^{ly} in North Germany, (and E^{ly} in the N. of Scandinavia; it was moderate in force generally.) Temperature was rather lower on our NW coasts and over France, rather higher over England, Denmark, Norway and Sweden; it varied from 60° in the S. to 49° in the NE. Weather was cloudy or dull except in Ireland, rain was falling in the NE. and passing showers were reported from Sicily. Late in the day the barometer was rising slowly on all but the NW French coasts, the depression had continued its course NW^{ly} and at 6 p.m. had reached the east of Iceland.

JUNE 18th The barometer was rising slowly except on our NW and N^{ly} coasts, where a slight decrease was reported. Readings were relatively high both over the Bay of Biscay and the Gulf of Bothnia, but pressure was very uniform over these Islands and their neighbourhood though the depression noticed on the past few days was still shown near Scotland. Wind was light or moderate and varied considerably in direction. Temperature had risen slightly in most places and ranged from 62° at Lyons to 51° at Lumburg Head. Weather

was dull over the greater part of Western Europe though locally clear at a few stations. No change of importance occurred during the day, beyond a decrease of pressure in Sweden.

JUNE 19th Pressure had decreased slightly over Scandinavia, increased over the whole of Western Europe; it was highest over the N.H. of Spain, while a band of low readings lay over Scandinavia and the N. of these Islands. A small local depression was shown in the south-east. Wind was light to moderate in force from N.H. at most of our own and the French stations, moderate to fresh from SW on the eastern shore of the North Sea. Temperature had risen slightly except in Norway; it was very uniform between 55° and 60° over these Islands, but was as high as 68° at Haparanda (Lapland). Weather was fine generally, and very little rain had fallen. During the day pressure decreased somewhat at Valentia and the winds backed to S. over Ireland, the thermometer in the shade rose to 67° in London, to 70° at Cambridge and to 79° at Haparanda.

JUNE 20th Pressure was increasing on both shores of the North Sea and in the east of France, but was decreasing at Brest and on our Western coasts. An anticyclone (30.1 ins.) lay over France, while moderate gradients existed over Ireland (Valentia 29.3 ins.). Wind was variable and very light in the E. but a moderate to strong S.W. current existed on our Western coasts. Temperature had risen somewhat except in France; it was exceedingly uniform over Western Europe, between 50° and 60°. Weather was nearly clear over Great Britain and France, but was more cloudy in Ireland and rain was falling in the S.H. of that country. In the course of the day the depression which had caused the decrease in Ireland moved N.W. and though the fall of the barometer became more general a recovery commenced at Valentia the maximum rose to 74 in London, 78 at Nottingham and 75 at Haparanda.

JUNE 21st The barometer was falling at the N.E. stations as well as over the Bay of Biscay, but was rising in the intermediate district. A large area of high pressure (30.1 ins.) lay over France, North Germany, and the south-east of England, while a region of low pressure was shown to the N.H. of Scotland. Wind was moderate or light generally, from E. over France, from SW over England and from SE in Scotland. In the E. of Ireland a local N.H. wind was reported. Temperature had fallen a little in the N., risen elsewhere, it varied over these Islands from 63° in the S.E. to 52° at Wick. Weather continued fine except in the E. of Scotland, where it was cloudy with rain at Nairn and in Caithness. Later reports showed a general rise of the barometer, and the thermometer in the shade rose to 82° at Birnigh, 76° in London, 77° at Nottingham and 81° at Haparanda.

JUNE 22nd Pressure was decreasing somewhat in Sweden and very slightly at Valentia, but was increasing elsewhere. Readings were very uniform but rather higher over the Channel, the S.E. of England and North Germany than in other parts of our area. Wind was E. over France, SW over our coast and N.W. over Norway and Denmark; it blew freshly at Valentia and Stornoway. Temperature had again risen; it varied from 72° at Dover to 56° in the N. of Ireland. Heavy rain had fallen in Sweden, but to the N.H. the weather was very fine and dry. In the evening the barometer was falling slowly everywhere. In the course of the day the thermometer in the shade had risen to 84° at Nottingham, and to 80° at Cambridge and in London.

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

DAILY WEATHER REPORT

JUNE 23RD

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 59° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 59° 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 ...	29.93	58	NE	2	0	29.95	+ .04	60	54	- 3	N	2	0	*	63	50	0.28	
Hernösand ...	29.96	59	Z	0	0	29.97	100	64	57	+ 4	N	4	0	*	*	*	-	
Stockholm ...	29.96	61	Z	0	0	29.98	+ .02	68	61	+ 9	Z	0	bc	*	*	*	-	
Wibby ...	29.95	56	N	2	8	29.99	+ .03	59	58	- 1	NTN	4	8	*	*	*	0.08	
Christiansund ...	30.13	53	NTN	3	0	30.12	+ .12	54	50	- 5	NTN	1	0	1	55	46	-	
Skudesnaes ...	30.10	55	NTN	6	bc f	30.08	- .02	57	53	+ 2	NTN	6	bc	2	57	55	-	
Oxö (Xtiansand) ...	30.01	59	NTN	4	0	30.00	- .03	56	54	- 2	NTN	4	0	2	63	52	-	
Skagen (The Scaw) ...	30.02	56	N	6	0	30.02	- .01	57	53	- 2	N	6	0	6	64	50	-	
Fanö ...	30.15	57	N	2	0	30.14	- .09	69	62	+ 10	N	2	0	*	?	52	-	
Cuxhaven ...	30.27	66	NTN	2	0	30.18	- .03	67	67	+ 1	E	1	8	*	?	59	-	
Sumburgh Head ...	30.15	52	SE	8	bc	30.09	- .04	49	49	- 6	SE	4	m	4	59	47	-	
Stornoway ...	30.02	57	SSN	5	0	29.94	- .11	57	55	- 1	SSN	6	0	5	60	50	-	
Thurso ...	30.07	56	ESE	3	0	30.01	- .11	59	56	- 3	SE	2	bc m	1	67	49	-	
Wick ...	30.09	53	S	3	0	30.03	- .10	57	54	- 2	S	2	bc	1	64	49	-	
Nairn ...	30.06	60	E	1	0	30.02	- .12	59	52	0	Z	0	0	0	67	49	-	
Aberdeen ...	30.11	60	E	3	0	30.05	- .11	62	58	+ 2	S	1	0	1	65	52	-	
Leith ...	30.06	63	NE	1	0	30.04	- .10	65	57	+ 3	NTN	2	0	*	68	-	-	
Shields ...	30.12	57	E	1	0	30.11	- .07	59	55	- 2	Z	0	bc m	0	62	50	-	
Scarborough ...	30.12	56	SE	2	bc	30.09	- .10	65	61	+ 6	NNE	1	0	0	66	56	-	
York ...	30.14	66	S	1	0	30.10	- .10	65	62	+ 4	SH	1	0	*	72	57	-	
Nottingham ...	30.13	75	SH	1	0	30.10	- .11	73	66	+ 4	SSN	1	0	*	64	55	-	
Ardrossan ...	30.08	63	SSN	3	0	30.06	- .08	59	55	0	SSE	2	0	1	64	49	-	
Greencastle ...	30.05	63	SH	2	0	30.00	- .10	56	54	0	S	2	0	*	68	55	0.07	
Donaghadee ...	30.11	64	NTN	3	0	30.09	- .09	59	54	+ 3	SSE	4	0	3	64	55	-	
Kingstown ...	30.15	61	SSN	3	0	30.11	- .07	58	56	+ 2	SSN	2	0	1	66	55	-	
Holyhead ...	30.14	62	NTN	1	0	30.10	- .08	60	56	0	NE	1	bc	1	67	55	-	
Liverpool (Bidston) ...	30.09	58	SSN	4	0	30.08	- .11	56	55	- 2	SSE	5	fg	5	61	54	0.31	
Valencia ...	30.15	60	SH	3	0	30.08	- .11	58	57	0	SSN	2	fg m	2	64	54	0.01	
Roche's Point ...	30.16	63	Z	0	bc	30.10	- .09	61	57	0	Z	0	0	0	69	54	-	
Pembroke ...	30.05	62	NTN	1	0	30.08	?	68	63	+ 8	SH	2	0	1	74	48	-	
Portishead ...	30.16	64	Z	0	0	30.11	- .08	62	61	+ 3	Z	0	0	2	65	56	-	
Scilly ...	30.14	65	Z	0	bc	30.10	- .09	66	62	+ 3	S	1	bc	*	70	57	-	
Plymouth ...	30.15	69	SH	1	0	30.11	- .09	67	66	+ 1	E	1	bc	2	74	56	-	
Hurst Castle ...	30.17	65	E	2	0	30.12	- .09	73	64	+ 1	E	1	0	0	73	61	-	
Dover ...	30.16	75	SSN	1	0	30.12	- .08	70	63	+ 2	Z	0	bc m	*	60	55	-	
London ...	*	*	*	*	*	30.11	- .09	67	63	+ 3	SH	1	0	*	75	59	-	
Oxford ...	30.13	77	SH	1	0	30.11	- .10	67	63	+ 6	S	1	0	*	60	53	-	
Cambridge ...	30.17	64	SSE	2	0	30.14	- .07	61	58	- 4	SSE	1	0	0	66	57	-	
Yarmouth ...	*	*	*	*	*	30.15	- .05	66	64	+ 2	E	1	bc	*	*	*	-	
The Helder ...	30.16	73	NE	1	0	30.12	- .09	68	64	- 2	Z	0	bc m	0	76	60	-	
Cape Gris Nez ...	30.22	72	N	2	0	30.15	- .07	61	57	0	N	2	0	2	73	54	-	
Jersey ...	30.15	68	NTN	2	0	30.12	- .07	66	63	+ 2	NE	1	0	1	61	57	-	
Brest ...	?	68	NTN	2	m	30.13	- .06	66	66	+ 2	NTN	2	m	2	79	54	-	
L'Orient ...	30.12	68	N	4	bc	30.15	+ .03	63	61	0	NTN	3	0	3	75	59	0.12	
Rochefort ...	*	*	*	*	*	30.28	+ .06	65	6	+ 1	Z	0	0	1	*	*	0	
Biarritz ...	*	*	*	*	*	30.12	- .09	64	61	- 1	NE	1	bc	*	75	?	-	
Corunna ...	*	*	*	*	*	30.07	- .07	64	6	- 1	SE	1	0	*	*	*	-	
Brussels ...	30.11	76	NTN	2	0	30.09	- .10	68	62	+ 2	NNE	2	0	*	*	*	-	
Charleville ...	*	*	*	*	*	30.13	- .04	71	6	+ 7	S	2	0	*	*	*	-	
Paris ...	30.13	75	N	2	0	30.10	- .05	73	68	+ 1	Z	0	0	1	79	70	-	
Lyons ...	30.13	75	N	2	0	30.10	- .05	73	68	+ 1	Z	0	0	1	79	70	-	
Toulon ...	30.13	75	N	2	0	30.10	- .05	73	68	+ 1	Z	0	0	1	79	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.12	57	54	NTN	4	0	Valencia ...	30.12	58	54	S	5	0
Thurso ...	30.12	62	56	SSE	3	0	Scilly ...	30.18	65	62	S	1	0
Scarborough ...	30.16	59	57	SE	2	0	London ...	30.18	77	68	SSN	2	0
Greencastle ...	30.08	64	56	SSN	2	0	Rochefort ...	30.20	77	68	NTN	1	0
Holyhead ...	30.18	63	58	SSN	3	0							

No important change.

EXPLANATION OF COLUMNS.

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

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

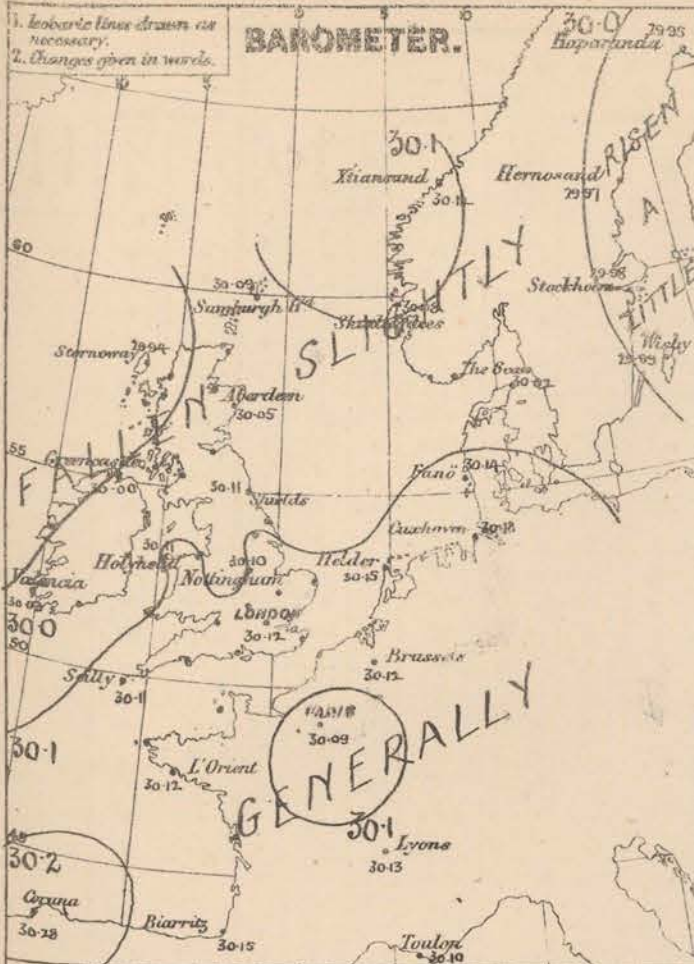
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Sunday 23 JUNE 1878.

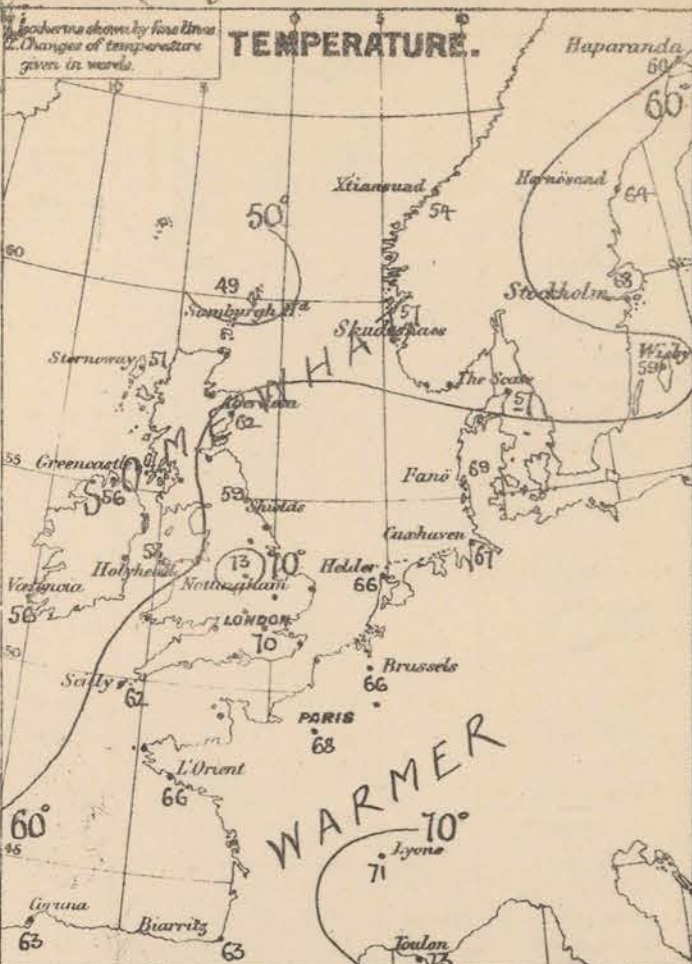
1. Isobars lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



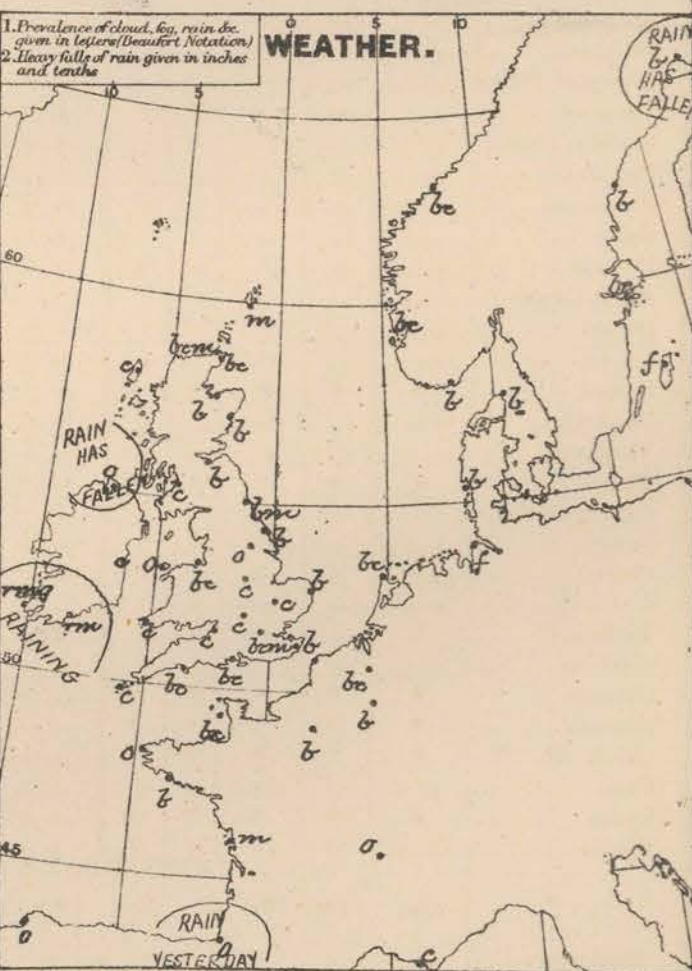
Arrows fly with the wind.
Force 0 to 1 - Force 8 to 10 -
2 - 4 - above 10 -
5 - 7 -
Dark curved arrow shows apparent general motion of air.
Sea disturbance: - rough in shoaling - high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is fine this morning except in the S of Ireland where rain is falling. Scarcely any rain has fallen during the past 24 hours. Temperature has risen a little in most places, and is high over Central England. During yesterday it rose to 84° in the shade at Nottingham, 80° in London, and from 65° to 71° at nearly all our stations. Wind is N^W in Sweden, SE^W to S^W in Ireland, but is extremely variable in other places. At Stornoway a strong W. breeze is reported, but light airs are reported elsewhere. Sea is rough in the Skagen Racks, and off our extreme W. and NW. coasts, smooth at our other stations. Barometrical Indications. Pressure is high over Scandinavia and France. In the W. of Ireland the barometer is falling rather more decidedly, and numerous small thunderstorm depressions have been formed over our Islands and their neighbourhood.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JUNE 24th

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rain.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.01	60	N	2	δ	30.16	+ 21	56	49	- 4	N	4	δ	*	68	46	-	
Hernösand ...	30.00	59	Z	0	δ	30.10	+ 13	60	55	- 4	ENE	4	c	*	*	*	-	
Stockholm ...	30.00	63	SSE	2	δ	30.07	+ 06	65	60	- 5	E	2	o	*	*	*	-	
Wisby ...	29.98	61	N	4	δ	30.00	+ 01	65	60	+ 6	WSW	2	δ	*	*	*	-	
Christiansund ...	30.02	54	NNE	4	δ	30.02	- 10	56	51	+ 2	NNE	4	δ	2	?	47	-	
Skudesnaes ...	30.05	54	NNW	2	δ	30.07	- 01	58	55	+ 1	E	1	c	2	59	54	-	
Oxö (Xtiansand) ...	29.91	61	WSW	6	δ	30.03	+ 03	58	52	+ 2	WSW	1	+	3	63	54	-	
Skagen (The Saa) ...	29.97	55	N	3	δ	30.02	00	59	55	+ 2	NNW	4	δ	4	64	48	-	
Faro ...	30.10	55	WSW	2	δ	30.13	- 01	72	64	+ 3	WSW	1	δ	*	72	54	-	
Cuxhaven ...	30.20	67	NNW	1	δ	30.14	- 04	69	69	+ 2	E	1	mv	*	?	61	-	
Sumburgh Head ...	30.02	53	ESE	4	o	29.96	- 13	52	51	+ 3	ESE	3	+	3	54	47	-	
Stornoway ...	29.94	58	SSW	5	o	29.86	- 08	55	55	- 2	S	2	+	3	58	52	0.26	
Thurso ...	29.98	56	WSW	1	o	29.91	- 10	61	59	+ 2	S	1	c	1	68	56	0.02	
Wick ...	29.98	60	S	1	o	29.92	- 11	61	57	+ 4	S	2	δ	0	64	53	-	
Nairn ...	29.99	63	Z	0	o	29.92	- 10	63	57	+ 4	S	1	c	0	69	55	-	
Aberdeen ...	29.99	61	SSW	2	δ	29.96	- 09	62	58	- 0	S	1	c	1	66	54	-	
Leith ...	29.99	65	ENE	1	c	29.96	- 08	63	58	- 2	SW	1	c	*	69	56	-	
Shields ...	30.04	61	Z	0	c	30.04	- 07	63	59	+ 4	SW	2	δ	0	64	56	-	
Scarborough ...	30.02	60	N	1	c	30.04	- 05	67	64	+ 2	WSW	1	δ	1	67	55	0.88	
York ...	30.03	63	NN	1	o	30.06	- 04	64	62	- 1	N	1	δ	*	75	52	0.25	
Nottingham ...	30.05	76	SW	1	c	30.07	- 03	73	67	0	SW	2	δ	*	86	58	1.73	
Ardrossan ...	30.01	61	NE	2	δ	29.98	- 08	59	57	0	SSW	4	o	5	64	48	-	
Greencastle ...	29.96	62	S	1	o	29.90	- 10	58	57	+ 2	S	3	o	*	61	-	11	
Donaghadee ...	30.01	58	SSW	4	c	29.97	- 09	62	60	0	SSW	4	δ	3	64	53	-	
Kingstown ...	30.03	61	SSE	4	c	30.01	- 08	59	58	0	SSE	3	o	3	64	58	0.04	
Holyhead ...	30.06	63	NN	1	c	30.06	- 05	59	58	+ 1	SSW	3	f	2	66	56	-	
Liverpool (Hobson) ...	30.05	63	NN	1	δ	30.07	- 03	64	60	+ 4	NNW	1	δ	1	67	57	0.01	
Valencia ...	29.97	59	S	4	c	29.96	- 07	58	58	+ 2	S	4	o	4	60	55	0.46	
Roche's Point ...	30.06	63	S	3	c	30.04	- 04	59	57	+ 1	SSW	3	fg	3	69	54	0.05	
Pembroke ...	30.07	66	NN	1	δ	30.09	- 01	60	58	- 1	Z	0	δ	1	71	57	-	
Portishead ...	30.03	65	N	2	c	30.08	00	64	61	- 4	N	2	δ	1	74	47	-	
Scilly ...	30.10	65	SW	2	δ	30.11	00	62	60	0	SW	2	o	4	66	57	-	
Plymouth ...	30.06	68	SW	2	δ	30.11	+ 01	64	60	- 2	S	2	o	*	72	54	-	
Hurst Castle ...	30.07	72	Z	0	c	30.09	- 02	67	66	0	S	1	δ	1	75	58	-	
Dover ...	30.07	67	E	2	δ	30.10	- 02	70	63	- 3	E	1	δ	0	73	59	-	
London ...	30.06	73	SE	1	δ	30.10	- 02	68	64	+ 1	N	1	δ	*	80	56	0.26	
Oxford ...	*	*	*	*	*	30.08	- 03	68	63	+ 1	S	1	δ	*	76	61	-	
Cambridge ...	30.06	72	SE	1	c	30.09	- 02	71	66	+ 4	S	1	δ	*	82	55	-	
Yarmouth ...	30.09	63	Z	0	δ	30.12	- 02	62	60	+ 1	SE	1	δ	0	65	58	-	
The Helder ...	*	*	*	*	*	30.11	- 04	67	64	+ 1	ENE	1	δ	*	*	*	-	
Cape Gris Nez ...	30.06	68	NE	2	c	30.12	00	68	63	0	Z	0	δ	0	72	61	-	
Jersey ...	30.10	71	NN	1	δ	30.15	+ 03	64	62	- 4	N	1	mv	1	76	57	-	
Brest ...	30.18	?	NNW	2	δ	30.18	+ 03	61	59	0	Z	0	o	3	66	54	-	
L'Orient ...	30.11	66	N	3	δ	30.15	+ 03	64	61	- 2	N	1	o	1	77	57	-	
Rochefort ...	30.15	73	NNW	4	δ	30.24	+ 11	66	64	0	NN	2	δ	3	?	59	-	
Biarritz ...	30.17	68	NNW	3	o	30.17	+ 02	64	63	+ 1	Z	0	c	3	72	57	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.10	- 02	69	64	+ 3	ENE	1	δ	*	80	61	-	
Charleville ...	*	*	*	*	*	30.01	- 06	66	*	+ 2	S	1	δ	*	*	*	-	
Paris ...	30.04	71	ESE	2	o	30.12	+ 03	67	59	- 1	NNE	1	δ	*	*	*	0.04	
Lyons ...	*	*	*	*	*	30.11	- 02	70	*	- 1	NE	2	δ	*	*	*	-	
Toulon ...	*	*	*	*	*	29.95	- 15	72	64	- 1	N	1	δ	2	8	68	-	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.07	57	52	NN	4	δ	2	Valencia			
Thurso								Scilly			
Scarborough ...								London			*
Greencastle ...						*		Rochefort ...	30.15	75	66
Holyhead										NN	4

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.

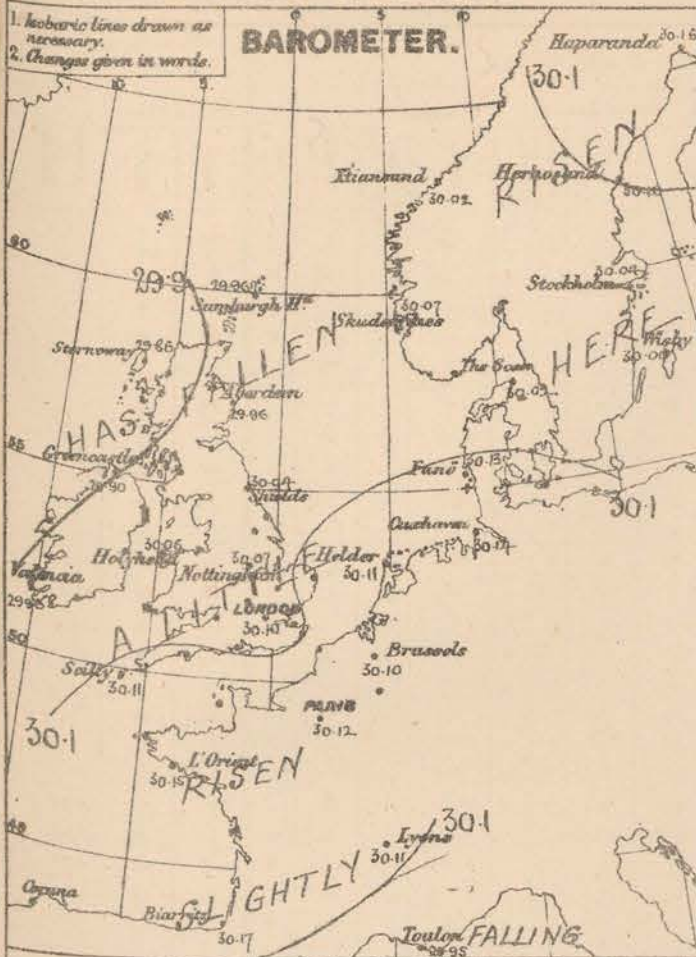
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 24-JUNE 1878.

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

BAROMETER.



DAILY WEATHER REPORT

JUNE 25th 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 520 F. Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.	
Haparanda ...	30.18	60	N	1	δ	30.28	+ .12	60	54	+ .4	N	2	δ	*	62	45	—	
Hernösand ...	30.19	54	ENE	2	δ	30.26	+ .16	59	50	— .1	NNE	4	δ	*	*	*	—	
Stockholm ...	30.13	63	S	2	δ	30.11	+ .07	68	61	+ .3	ESE	2	δ	*	*	*	—	
Wisby ...	30.04	63	SE	4	δ	30.09	+ .09	68	60	+ .3	SW	4	δ	*	*	*	—	
Christiansund ...	30.07	59	NNW	1	δ	30.12	+ .10	60	55	+ .4	E	1	δ	0	63	48	—	
Skudesnaes ...	30.08	60	SE	2	o	30.17	+ .10	58	57	0	SE	2	δ	2	61	?	—	
Oxö (Klansand) ...	30.08	59	WSW	6	δ	30.15	+ .12	59	57	+ .1	WSW	2	δ	2	61	34	—	
Skagen (The Seaw)	30.08	60	NNW	4	δ	30.14	+ .12	63	59	+ .4	W	5	δ	4	68	34	—	
Fanö ...	...	...	...	...	...	...	...	...	...	...	...	...	...	*	...	...	...
Cuxhaven ...	30.22	71	NNE	1	δ	30.23	+ .09	75	75	+ .6	SSW	1	m	*	?	61	—	
Sumburgh Head ...	29.98	62	NNW	1	δ	30.04	+ .08	57	56	+ .5	E	3	δ	3	62	30	0.01	
Stornoway ...	29.93	64	WSW	3	o	29.95	+ .09	59	58	+ .4	SSW	6	o	4	60	53	0.13	
Thurso ...	29.98	60	NNW	1	o	30.04	+ .10	65	63	+ .4	SW	1	o	1	69	57	0.09	
Wick ...	29.98	47	S	2	δ	30.02	+ .10	66	62	+ .5	SSE	2	δ	0	74	34	—	
Nairn ...	29.98	68	SW	1	δ	30.01	+ .09	69	61	+ .6	SW	1	o	0	71	60	—	
Aberdeen ...	30.00	67	S	4	δ	30.07	+ .11	65	61	+ .3	SSW	2	δ	1	70	58	—	
Leith ...	30.02	65	SSW	1	o	30.09	+ .13	63	58	0	SW	1	o	*	70	55	—	
Shields ...	30.05	63	NE	1	o	30.15	+ .11	59	57	— .4	Z	0	g	0	74	57	—	
Scarborough ...	30.05	67	SSE	1	o	30.15	+ .11	63	60	— .4	Z	0	o	1	72	60	—	
York ...	30.05	74	W	1	δ	30.15	+ .09	66	62	+ .2	NNW	1	o	*	80	59	—	
Nottingham ...	30.07	77	SSW	3	δ	30.17	+ .10	73	67	0	SSW	3	δ	*	87	63	—	
Ardrossan ...	30.03	61	SSW	2	r	30.08	+ .10	60	58	+ .1	SSW	4	o	4	66	59	0.01	
Greencastle ...	29.96	64	S	1	o	30.01	+ .11	61	59	+ .3	S	2	o	*	65	57	0.08	
Donaghadee ...	30.02	62	SSW	3	o	30.09	+ .12	62	60	0	SSW	3	o	3	68	59	—	
Kingstown ...	30.04	65	SE	4	o	30.10	+ .09	62	59	+ .3	SE	5	δ	4	69	59	—	
Holyhead ...	30.09	63	SSW	4	o	30.14	+ .08	61	59	+ .2	SSW	3	o	2	67	57	—	
Liverpool (Bidston)	30.09	65	NNW	1	δ	30.16	+ .09	64	59	0	SSW	1	o	1	72	59	—	
Valencia ...	29.97	59	S	6	o	30.02	+ .06	59	58	+ .1	SSE	5	og	5	62	57	0.32	
Roche's Point...	30.07	64	SSW	3	r	30.10	+ .06	61	58	+ .2	SSW	3	o	3	69	57	0.12	
Pembroke ...	30.12	64	S	1	o	30.17	+ .08	63	61	+ .3	SSE	1	o	1	69	58	—	
Portishead ...	30.09	68	WSW	3	o	30.17	+ .09	66	62	+ .2	WSW	1	o	1	74	56	—	
Seilly ...	30.14	62	S	4	o	30.16	+ .05	62	60	0	SSW	4	o	4	67	57	—	
Plymouth ...	30.13	68	WSW	2	o	30.18	+ .07	64	61	0	SW	2	δ	*	72	58	—	
Hurst Castle ...	30.11	68	W	3	o	30.18	+ .09	67	66	0	Z	0	δ	0	74	61	—	
Dover ...	30.13	68	NNE	1	δ	30.18	+ .08	66	64	— .4	Z	0	o	0	72	65	0.07	
London ...	...	...	SSE	2	...	30.17	+ .07	69	65	— .2	S	1	o	*	84	65	—
Oxford ...	...	...	...	...	...	30.18	+ .10	66	62	— .2	W	1	o	*	79	60	—
Cambridge ...	30.11	69	S	1	o	30.19	+ .10	66	64	— .5	S	1	o	*	85	60	0.45	
Yarmouth ...	30.13	64	SSE	1	δ	30.19	+ .07	62	60	0	SSW	1	δ	0	67	59	—	
The Helder ...	...	...	...	...	...	30.19	+ .08	69	67	+ .2	ENE	1	δ	*	*	*	—
Cape Gris Nez ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jersey ...	30.18	65	NNW	1	o	30.22	+ .07	68	63	+ .4	NE	1	o	1	71	58	—	
Brest ...	30.21	52	N	1	o	30.23	+ .05	63	59	+ .2	NE	2	δ	3	?	52	—	
L'Orient ...	30.17	64	NNW	2	o	30.18	+ .03	64	61	0	E	3	δ	1	73	57	—	
Rochefort ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Biarritz ...	30.10	70	N	3	δ	30.12	— .05	64	63	0	SE	1	m	3	68	61	—	
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	30.18	+ .08	74	68	+ .5	Z	0	δ	*	83	63	—
Charleville ...	...	...	...	...	...	30.08	+ .07	68	...	+ .2	E	1	δ	*	...	...	...
Paris ...	30.11	77	E	2	δ	30.19	+ .07	72	64	+ .5	E	2	δ	*	...	...	...
Lyons ...	...	...	...	...	...	30.12	+ .01	70	...	0	NE	2	δ	*	...	...	...
Toulon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

	Bar.	Dry.	Wet.	Wind.		Wen.	Sea.		Bar.	Dry.	Wet.	Wind.		Wen.	Sea.
Skudesnaes ...	30.08	62	53	ESE	1	0	1	Valencia	29.98	60	59	S	6	odg	5
Thurso	29.95	60	58	Z	0	0	1	Scilly	30.13	67	63	NSH	3	0	4
Scarborough ...	30.06	64	62	SSE	1	0	1	London	30.10	82	78	SSE	2	0	*
Greencastle ...	29.95	64	61	SSE	2	0	*	Rochefort ...	30.23	72	66	W	2	7-	3
Holyhead	30.09	65	61	SSH	4	8	3								

No important change.

EXPLANATION OF COLUMNS.

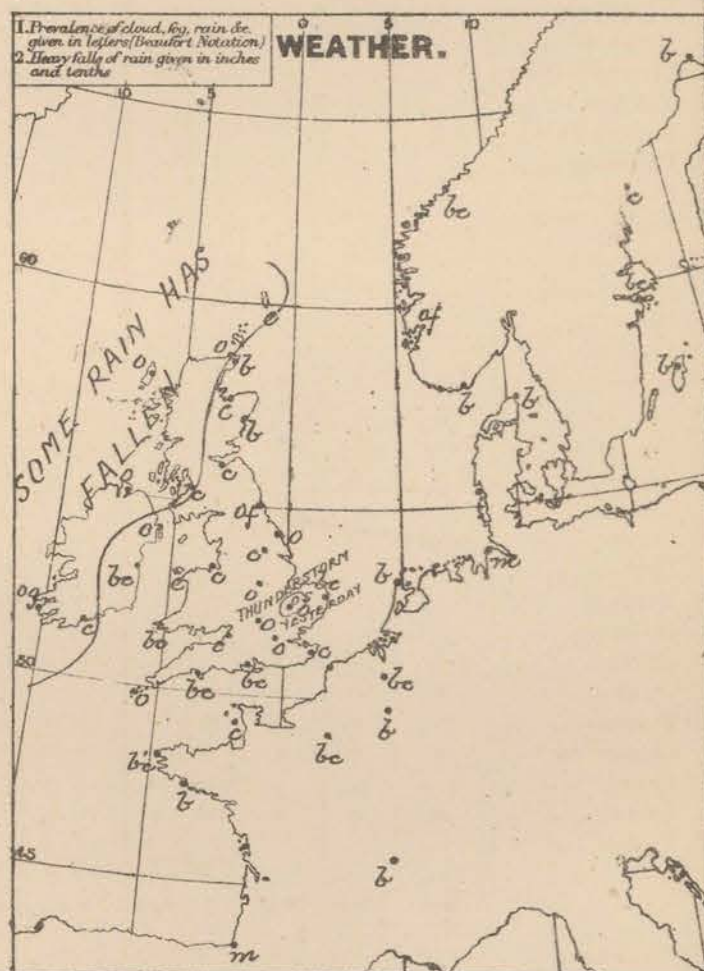
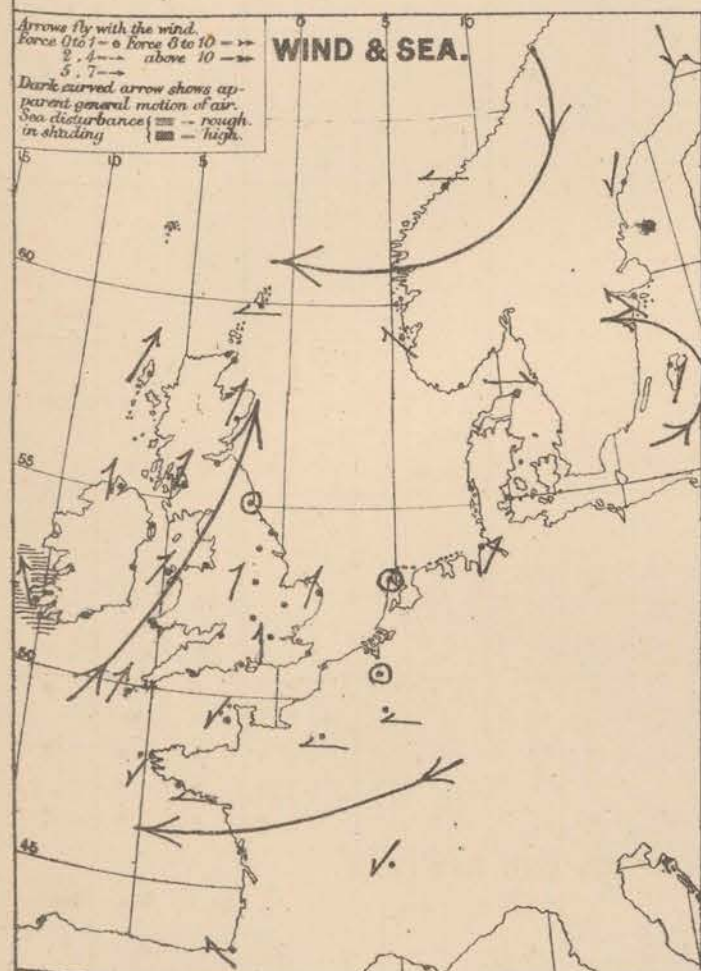
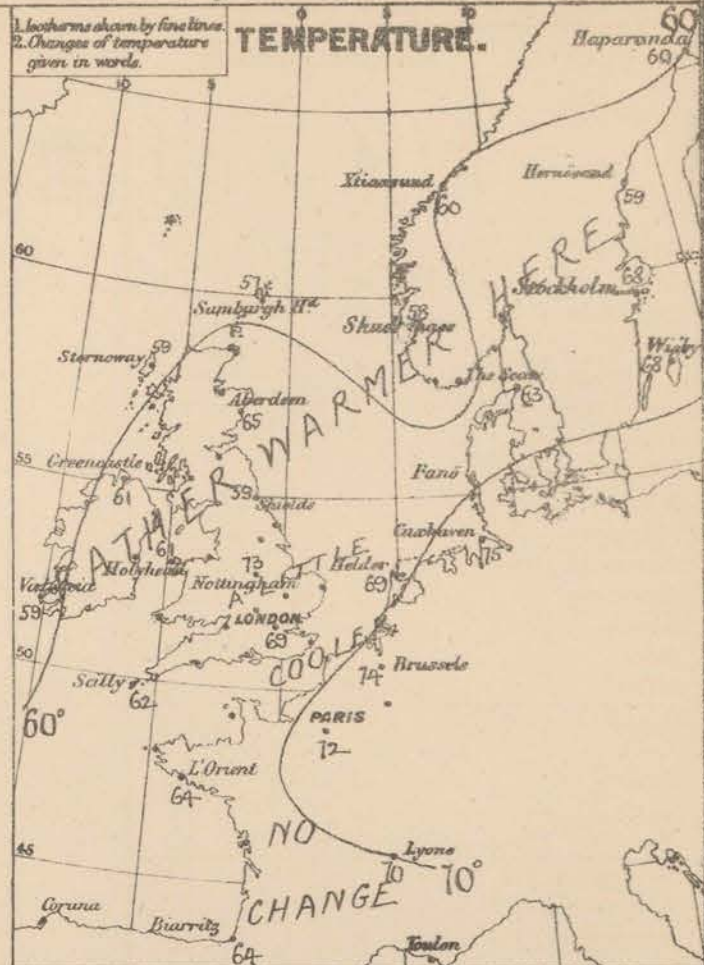
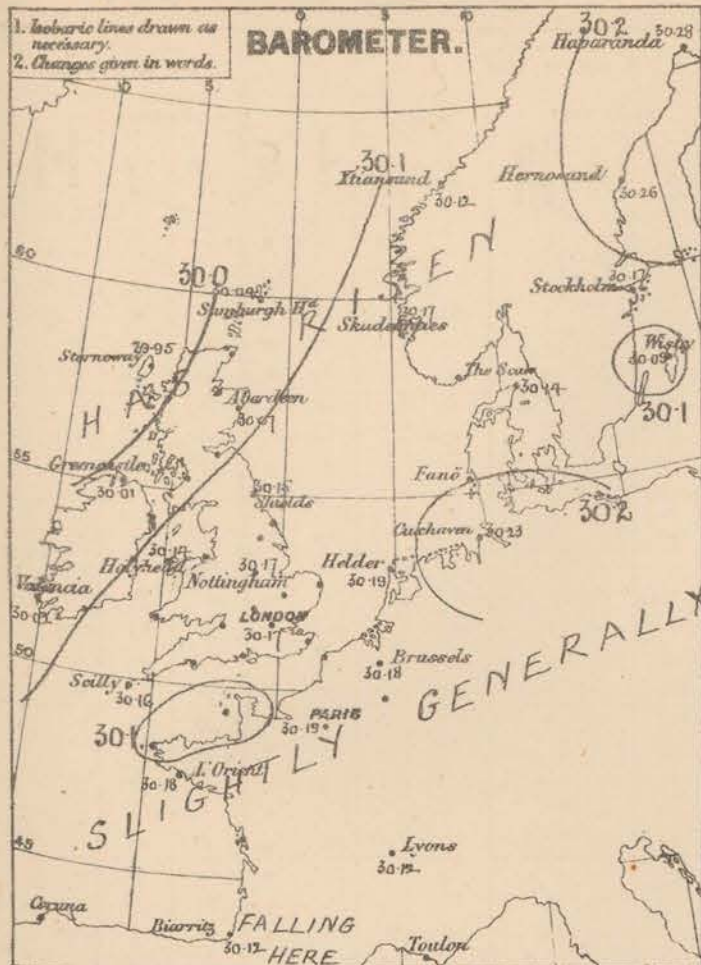
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 25th JUNE 1878.



REMARKS. Weather is at present cloudy in most parts of the United Kingdom, but much clearer at the Continental stations; fog is prevailing at Shields. During yesterday a little rain fell on our extreme Wnd and Nth coasts, while a thunderstorm, with heavy rain, occurred at Cambridge. Temperature has fallen a little in the E. and SE. of England, but risen elsewhere; it is still as high as 73° at Nottingham, and 69° in London. During yesterday the thermometer rose to 80° at York, to 84° in London, to 85° at Cambridge, and to 87° at Nottingham, while in London it did not fall below 65° all night. Winds is light to moderate from S or SW on our Wnd and Nth coasts, but variable airs prevail at the Channel stations, while light E^{ly} or NE^{ly} breezes are reported from France. Sea is rather rough at Valentin, slight or calm on our other coasts.

Barometrical Indications. The barometer has risen a little at all stations, excepting those in the SW. of France, and three areas of high pressure are shown:—one over Sweden, another over North Germany, while the third lies over the NW. of France.

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

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

R.H. SCOTT.

Secretary.

DAILY WEATHER REPORT

JUNE 25th 1878.

STATIONS.	† YESTERDAY EVENING.						9 A.M. TO DAY.										PART 4 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 ...	30.27	59	SW	2	bc	30.28	60	63	56	+	3	S	2	bc	*	68	48	-	
Hernösand ...	30.28	58	X	0	bc	30.31	+ .05	63	55	+	4	X	0	bc	*	*	*	-	
Stockholm ...	30.24	61	E	2	bc	30.32	+ .15	68	63	0	E	2	bc	*	*	*	-		
Wisby ...								64	62		E	1	m	*	*	*	-		
Christiansund ...	30.19	63	NNE	2	bc	30.18	+ .06	66	59	+	6	SSE	1	bc	1	68	52	-	
Skudesnaes ...	30.20	62	SSE	1	m	30.24	+ .07	66	62	+	8	SSE	1	m	1	?	?	-	
Oxö (Xtiansand)	30.19	63	NNH	2	bc	30.25	+ .10	66	62	+	7	ENE	2	bc	1	?	57	-	
Skagen (The Seaw)	30.19	62	NNH	3	bc	30.26	+ .12	64	60	+	1	N	2	bc	2	72	54	-	
Fanö ...	30.23	65	NNH	1	bc	30.27	+ .08	74	68	+	3	NNE	1	bc	*	77	57	-	
Cuxhaven ...	30.31	76	NNE	1	m	30.27	+ .04	74	74	-	1	Z	0	m	*	79	63	-	
Sumburgh Head	30.05	59	ESE	2	bc	30.06	+ .02	59	57	+	2	S	4	bc	4	63	53	-	
Stornoway	29.98	61	SW	5	bc	29.99	+ .04	60	59	+	1	SW	4	c	3	63	55	-	
Thurso ...	30.05	65	NNH	2	bc	30.04	+ .03	68	62	+	3	SWH	2	bc	1	75	59	-	
Wick ...	30.04	65	SE	1	bc	30.05	+ .03	66	60	0	SE	1	bc	0	76	58	-		
Nairn ...	30.02	74	SW	1	bc	30.06	+ .05	69	61	0	X	0	bc	0	77	56	-		
Aberdeen ...	30.08	64	S	4	bc	30.12	+ .05	69	62	+	4	S	3	bc	1	71	58	-	
Leith ...	30.09	70	WSH	3	bc	30.13	+ .04	67	61	+	4	NNH	2	bc	*	72	52	-	
Shields ...	30.16	64	SE	1	bc	30.16	+ .01	65	62	+	6	SSE	1	m	0	66	57	-	
Scarborough	30.17	63	N	1	c	30.18	+ .03	71	66	+	8	SWH	1	bc	1	75	59	-	
York	30.15	75	NE	1	bc	30.19	+ .04	72	68	+	6	S	2	bc	*	77	61	-	
Nottingham ...	30.16	78	S	3	bc	30.20	+ .03	78	69	+	5	S	3	bc	*	89	61	-	
Ardrossan ...	30.10	62	SW	3	bc	30.13	+ .05	62	59	+	2	SWH	3	bc	2	65	58	-	
Greencastle ...	30.01	67	S	3	c	30.03	+ .02	61	57	0	S	3	0	*	73	58	-		
Donaghadee ...	30.09	60	S	4	bc	30.13	+ .04	60	58	-	2	SWH	5	bc	3	68	54	-	
Kingstown ...	30.11	65	SSE	4	bc	30.13	+ .03	69	59	-	2	SSE	4	bc	3	65	59	-	
Holyhead ...	30.16	67	SWH	3	bc	30.15	+ .01	65	63	+	4	SWH	1	bc	0	71	56	-	
Liverpool (Bidston)	30.14	68	NNH	?	bc	30.16	.00	69	64	+	5	ESE	1	bc	1	76	59	-	
Valencia ...	30.00	61	SSE	6	0	30.02	.00	60	59	+	1	SSE	4	adm	4	63	58	0.62	
Roche's Point...	30.11	63	S	3	c	30.10	.00	63	60	+	2	S	3	bc	3	70	58	-	
Pembroke ...	30.17	69	S	1	bc	30.14	- .03	64	60	+	1	SE	2	bc	1	73	56	-	
Portishead ...	30.16	72	WSH	1	bc	30.16	- .01	71	66	+	5	SWH	2	bc	1	77	58	-	
Seilly ...	30.16	64	SE	4	bc	30.14	- .02	62	61	0	WSH	1	g	4	67	59	-		
Plymouth ...	30.17	67	SW	2	bc	30.14	- .04	72	62	+	8	S	1	bc	*	74	61	-	
Hurst Castle ...	30.18	72	WSH	2	bc	30.18	.00	70	69	+	3	E	2	bc	2	73	60	-	
Dover ...	30.19	70	X	0	bc	30.21	+ .03	74	68	+	8	NE	1	bc	0	75	64	-	
London ...	30.18	80	WSH	1	bc	30.20	+ .03	76	69	+	7	SSE	1	bc	*	84	57	-	
Oxford ...	*	*	*	*	*	30.19	+ .01	70	63	+	4	X	0	bc	*	77	57	-	
Cambridge ...	30.18	80	SW	1	bc	30.20	+ .01	71	67	+	5	S	1	bc	*	82	57	-	
Yarmouth ...	30.20	67	SSE	1	bc	30.24	+ .05	64	62	+	2	X	0	bc	0	67	59	0.01	
The Helder ...	*	*	*	*	*	30.23	+ .04	75	70	+	6	E	1	bc	*	*	*	-	
Cape Gris Nez	30.20	68	NE	1	bc	30.23		64	63			E	1	m	0	79	63	-	
Jersey ...	30.19	74	E	1	bc	30.20	- .02	74	68	+	6	E	1	bm	1	79	65	-	
Brest ...	30.22	66	N	2	bc	30.24	- .02	75	64	+	12	E	?	bc	2	75	57	-	
L'Orient ...	30.17	73	N	1	bc	30.15	- .03	72	68	+	8	E	2	bc	1	8	57	-	
Rochefort ...	30.16	77	NNH	2	bc	30.17	- .04	72	68	+	2	ESE	2	bc	2	82	61	-	
Biarritz ...	30.06	73	Z	0	bc	30.07	- .05	70	66	+	6	X	0	bc	3	79	63	-	
Corunna ...	*	*	*	*	*			*	*					*	*	*	*	-	
Brussels ...	*	*	*	*	*	30.22	+ .04	72	66	-	2	E	1	bc	*	85	65	-	
Charleville ...	*	*	*	*	*	30.17	+ .09	72	*	+	4	ESE	1	bc	*	*	*	-	
Paris ...	30.17	81	E	2	bc	30.20	+ .01	75	66	+	3	NE	1	bc	*	*	*	-	
Lyons ...	*	*	*	*	*	30.15	+ .03	72	*	+	2	NNH	2	bc	*	*	*	-	
Toulon ...	30.08	75	N	1	bc	30.12	+ .09	72	64	+	2	E	3	c	2	81	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.19	65	60	SSE	1	cm	Valencia	30.01	62	59	SSE	7	og	6
Thurso	30.01	73	67	SWH	2	c	Scilly	30.18	66	62	S	4	bc	5
Scarborough ...	30.17	65	62	SE	1	c	London	30.19	79	74	SWH	1	c	*
Greencastle ...	30.01	69	63	S	2	c	Rochefort ...	30.18	81	72	NNH	2	bc	3
Holyhead	30.17	69	64	SWH	4	bc								

There is little change to report excepting that the barometer has begun to fall slightly at Valencia and the winds there has increased to a moderate gale from SSE.

EXPLANATION OF COLUMNS.

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

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

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

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

DAILY WEATHER REPORT

JUNE 27th

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Influence from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.25	61	S	2	c	30.17	-.11	66	62	+ 3	S	4	o	*	66	55	-	
Hernösand ...	30.33	60	S	2	b	30.30	-.01	65	57	+ 2	S	7	b	*	*	*	-	
Stockholm ...	30.33	63	S	2	b	30.41	+ .09	70	60	+ 2	SE	2	b	*	*	*	-	
Wisby ...	30.25	63	SSE	4	b	30.29		60	58		NNE	4	b	*	*	*	-	
Christiansund ...	30.26	67	NN	1	b	30.25	+ .07	65	61	- 1	NNN	3	bc	1	73	57	-	
Skudesnaes ...	30.28	61	SSE	1	m	30.28	+ .04	66	63	o	SE	1	m	1	66	61	-	
Oxö (Xtiansand) ...	30.26	64	SSW	4	b	30.32	+ .07	65	63	- 1	L	0	b	1	66	57	-	
Skagen (The New) ...	30.27	64	L	0	b	30.30	+ .04	65	60	+ 1	L	0	b	0	61	55	-	
Fanö ...	30.27	71	SE	3	b	30.29	+ .02	72	67	- 2	SE	2	b	*	61	64	-	
Cuxhaven ...	30.33	74	N	1	m	30.29	+ .02	70	65	- 4	ESE	1	b	*	75	64	-	
Sumburgh Head ...	30.11	62	SSE	2	b	30.15	+ .09	60	58	+ 1	SE	2	b	2	65	52	-	
Stornoway ...	30.05	62	S	4	o	30.04	+ .05	64	60	+ 4	L	0	bc	0	64	56	-	
Thurso ...	30.11	61	L	0	bc	30.09	+ .05	70	66	+ 2	L	0	bc	1	79	56	0.01	
Wick ...	30.11	69	NE	1	bc	30.10	+ .05	66	61	o	E	1	b	0	79	58	-	
Nairn ...	30.07	74	SW	1	b	30.09	+ .03	64	60	- 5	L	0	b	0	82	57	-	
Aberdeen ...	30.03	70	S	2	b	30.11	-.01	66	63	- 3	SSE	1	b	1	76	56	-	
Leith ...	30.08	67	ENE	1	b	30.08	-.05	71	64	+ 4	E	2	b	*	79	57	-	
Shields ...	30.12	70	ESE	1	b	30.13	-.03	67	63	+ 2	L	0	b	1	74	61	-	
Scarborough ...	30.14	66	SSE	2	b	30.16	-.02	68	65	- 3	SSE	1	b	1	73	61	-	
York ...	30.13	81	S	2	b	30.15	-.04	73	68	+ 1	S	2	b	*	85	64	-	
Nottingham ...	30.16	? 84	SSW	2	o	30.12	-.08	79	62	+ 1	SSE	2	b	*	95	66	0.25	
Ardrossan ...	30.11	68	SSW	1	b	30.07	-.06	72	65	+ 10	NE	1	bm	1	73	60	-	
Greencastle ...	30.05	66	S	2	o	30.02	-.01	60	59	- 1	SSW	1	o	*	71	55	0.10	
Donaghadee ...	30.11	64	S	2	b	30.05	-.08	62	58	+ 2	ENE	2	b	1	66	55	-	
Kingstown ...	30.09	69	S	4	b	30.04	-.09	62	? 60	+ 2	E	3	b	3	70	61	0.03	
Holyhead ...	30.12	72	SW	1	b	30.04	-.11	72	69	+ 7	S	2	b	1	75	60	-	
Liverpool (Bidston) ...	30.10	77	L	0	b	30.08	-.08	75	70	+ 6	SE	1	b	1	83	65	-	
Valencia ...	30.06	58	NNW	2	o	30.01	-.01	57	56	- 3	SW	1	c	1	61	54	0.31	
Roche's Point... ..	30.10	63	SSE	3	r	30.01	-.09	60	58	- 3	N	3	c	3	67	58	0.38	
Pembroke ...	30.12	71	L	0	b	30.01	-.13	68	64	+ 4	ESE	4	bc	2	76	63	-	
Portishead ...	30.08	82	SSW	2	b	? 30.07	-.09	70	67	- 1	N	3	bm	2	88	62	-	
Scilly ...	30.10	69	E	3	b	29.99	-.15	66	65	+ 4	L	0	c	1	69	61	-	
Plymouth ...	30.10	76	SSE	2	b	30.03	-.11	74	69	+ 2	ESE	2	b	*	78	64	-	
Hurst Castle ...	30.13	78	SSE	3	b	30.09	-.09	70	69	o	E	3	b	2	8	65	-	
Dover ...	30.17	73	E	2	b	30.14	-.07	75	65	+ 1	E	1	b	0	77	65	-	
London ...	30.15	81	ESE	1	bc	30.12	-.08	75	68	- 1	S	2	b	*	91	64	-	
Oxford ...	*	*	*	*	*	30.10	-.09	75	68	+ 5	SW	1	b	*	84	61	0.12	
Cambridge ...	30.16	81	S	1	c	30.14	-.06	74	69	+ 3	SE	1	b	*	87	60	-	
Yarmouth ...	30.19	69	L	0	b	30.18	-.06	67	63	+ 3	SE	1	b	0	70	60	-	
The Helder ...	*	*	*	*	*	30.21	-.02	74	69	- 1	E	2	bc	*	*	*	-	
Cape Gris Nez ...																		
Jersey ...	30.14	78	NE	1	b	30.08	-.12	75	67	+ 1	SSE	1	bm	1	84	67	-	
Brest ...	30.18	81	L	0	b	30.07	-.14	70	66	- 5	E	3	b	3	84	64	-	
L'Orient ...	30.11	81	SW	1	b	30.02	-.13	72	66	o	E	2	b	1	90	64	-	
Rochefort ...	30.12	82	SE	2	b	30.08	-.09	72	68	o	E	2	b	3	97	63	-	
Biarritz ...	29.99	78	WSW	3	m	29.97	-.10	64	63	- 6	WSW	3	f	3	79	61	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.15	-.07	74	66	+ 2	E	3	b	*	87	63	-	
Charleville ...	*	*	*	*	*	? 30.17	.00	73	*	+ 1	NNE	1	b	*	*	*	*	
Paris ...	30.13	82	NE	4	b	30.10	-.10	73	64	- 2	ENE	1	b	*	*	*	-	
Lyons ...	*	*	*	*	*	30.05	-.10	73	*	+ 1	N	2	c	*	*	*	*	
Toulon ...	30.08	75	L	0	c	30.05	-.07	75	64	+ 3	E	1	b	1	82	72	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.26	66	62	S	2	bm	2	Valencia	30.07	60	58	NNW	2	o	2
Thurso	30.06	73	66	NN	3	b	1	Scilly	30.13	69	65	E	3	bef	5
Scarborough ...	30.17	? 64	61	SE	1	b	2	London	30.17	85	75	E	3	b	*
Greencastle ...	30.07	68	64	S	2	o	*	Rochefort ...	30.15	97	75	ESE	2	b	5.
Holyhead	30.15	? 70	63	NNE	2	b	1								

No important 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 sea, and to "back" when it shifts in the opposite direction.

DAILY WEATHER REPORT

JUNE 28th 1878.

STATIONS.	† YESTERDAY EVENING						8 A.M. TO DAY.						PART 24 HOURS				
	Barometer at 32° F. and Sea Level.	Therm. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.	
Haparanda ...	30.03	64	SH	2	o	30.04	-13	64	59	-2	NH	2	c	*	72	57	-
Hernösand ...	30.22	63	S	4	bc	30.19	-11	74	65	+9	E	2	b	*	*	*	-
Stockholm ...	30.30	62	S	2	b	30.25	-10	68	65	-2	S	4	b	*	*	*	-
Wisby ...	30.32	61	SE	2	b	30.23	-10	64	56	+4	NH	4	b	*	*	*	-
Christiansund ...	30.23	68	Z	0	m	30.18	-07	71	63	+6	SSE	1	m	0	72	63	-
Skudesnaes ...	30.26	64	SSE	1	m	30.25	-03	75	66	+9	Z	0	m	1	?	64	-
Oxö (Xtiansand)	30.27	69	SSE	4	b	30.24	-08	66	65	+1	Z	0	b	0	72	59	-
Skagen (The Scaw)	30.24	64	Z	0	b	30.25	-05	67	64	+4	Z	0	c	0	81	59	-
Fanö ...	30.25	68	SE	4	b	30.23	-04	69	63	-3	E	4	b	*	79	63	-
Cuxhaven ...	30.33	?	NH	3	b	30.22	-07	66	61	-4	E	4	b	*	75	61	-
Sumburgh Head	30.11	60	E	2	bc	30.14	-01	62	60	+2	?	4	b	4	65	55	-
Stornoway	30.01	63	S	1	f	30.02	-02	67	64	+3	S	1	bm	1	69	57	0.78
Thurso ...	30.04	64	SH	2	o	30.09	00	72	68	+2	S	2	bm	2	81	59	0.14
Wick ...	30.05	73	H	1	bc	30.10	00	64	61	-2	SE	2	b	0	74	58	-
Nairn ...	30.03	66	SH	1	o	30.07	-02	66	62	+2	Z	0	b	0	70	60	1.28
Aberdeen ...	30.08	68	SSE	1	b	30.14	+03	66	62	0	S	1	b	1	75	58	-
Leith ...	30.00	76	E	1	o	30.05	-03	66	63	-5	ENE	3	b	*	77	59	0.37
Shields ...	30.06	69	SSE	3	b	30.08	-05	62	60	-5	SE	3	b	2	76	56	-
Scarborough	30.10	59	SSE	2	b	30.09	-07	65	62	-3	SSE	2	b	2	68	57	-
York ...	30.06	78	SE	2	b	30.03	-12	70	65	-3	SSE	3	b	*	88	60	-
Nottingham ...	30.04	80	ESE	4	b	29.99	-13	75	68	-4	ESE	5	b	*	89	62	-
Ardrossan ...	29.97	74	Z	0	o	29.98	-09	75	67	+3	NR	1	b	1	83	65	0.09
Greencastle ...	29.98	58	NH	2	f	29.88	-14	69	65	+9	E	3	b	*	70	55	0.77
Donaghadee ...	29.97	65	NH	2	o	29.91	-14	63	60	+1	ESE	5	bc	4	73	56	0.09
Kingstown ...	29.95	65	E	1	o	29.86	-18	66	62	+4	SE	4	bc	3	67	61	0.07
Holyhead ...	29.96	70	ESE	1	o	29.97	-07	71	68	-1	E	2	b	2	80	65	-
Liverpool (Bidston)	29.97	80	ESE	1	b	29.93	-15	71	65	-4	E	2	m	1	85	61	-
Valencia ...	29.95	58	N	3	o	29.79	-22	60	55	+3	S	4	bc	4	63	53	-
Roche's Point...	29.94	60	NNE	2	f	29.83	-18	58	54	-2	NH	3	bc	3	65	56	1.75
Pembroke ...	29.91	69	SE	4	bc	29.87	-14	59	59	+9	H	1	f	2	75	59	0.70
Portishead ..	29.97	79	E	3	b	29.86	-21	75	68	+5	ESE	5	bm	4	87	63	-
Seilly ...	29.87	68	E	4	o	29.91	-08	60	57	-6	H	5	bc	5	73	57	0.20
Plymouth ...	29.91	79	E	4	b	29.87	-16	64	61	-10	N	2	or	4	82	63	-
Hurst Castle ...	29.98	78	SE	5	b	29.88	-19	71	69	+1	E	4	bc	3	82	65	-
Dover ...	30.03	72	ENE	4	b	29.97	-17	70	63	-5	E	3	b	2	77	64	-
London ...	30.03	78	ESE	2	b	29.95	-17	73	67	-2	ESE	3	bc	*	89	62	-
Oxford ...	*	*	*	*	*	29.92	-18	73	67	-2	SSE	2	b	*	84	62	-
Cambridge ...	30.05	79	SE	1	b	29.99	-15	72	66	-2	SE	1	b	*	86	58	-
Yarmouth ...	30.11	67	E	2	b	30.05	-13	63	61	-4	E	4	b	3	70	60	-
The Helder ...	*	*	*	*	*	30.10	-11	67	61	-7	E	2	b	*	*	*	-
Cape Gris Nez	30.02	73	NNE	2	b	29.96	-16	73	66	-4	E	2	b	1	81	64	-
Jersey ...	29.94	72	E	2	b	29.89	-19	64	64	-11	NH	2	f	2	82	61	-
Brest ...	29.96	77	SSE	3	o	30.02	-05	59	57	-11	NNH	3	b	3	83	?	0.08
L'Orient ...	29.93	73	S	1	bc	29.94	-08	59	57	-13	NH	4	o	3	88	57	-
Rochefort ...	29.95	81	NH	4	bc	29.96	-12	68	64	-4	NH	3	o	3	99	63	-
Biarritz ...	29.99	70	H	5	o	30.01	+04	64	61	0	NH	4	o	3	75	59	0.04
Corunna ...	*	*	*	*	*			*	*					*	*	*	*
Brussels ...	*	*	*	*	*	29.99	-16	70	63	-4	E	2	bc	*	86	60	-
Charleville ...	*	*	*	*	*	29.90	-27	78	*	0.8	SSE	1	b	*	*	*	*
Paris ...	29.97	82	E	4	b	29.90	-20	71	62	-2	ESE	3	b	*	*	*	*
Lyons ...	*	*	*	*	*	29.93	-12	70	*	0	N	2	b	*	*	*	*
Toulon ...	29.91	75	H	4	bc	29.86	-19	70	64	-5	SH	1	b	2	82	?	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.25	72	64	SE	2	m	1	Valencia	29.99	60	59	NNH	2	2
Thurso	30.03	78	?	ESE	2	bc	1	Seilly	29.93	70	66	ESE	4	0
Scarborough ...	30.12	63	60	SSE	2	b	2	London	30.07	84	71	ESE	3	b
Greenecastle ...	30.00	61	60	N	2	o	*	Rochefort ...	30.01	99	77	E	3	bc
Holyhead	30.00	71	67	N	2	c	1							

No important change.

EXPLANATION OF COLUMNS

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

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

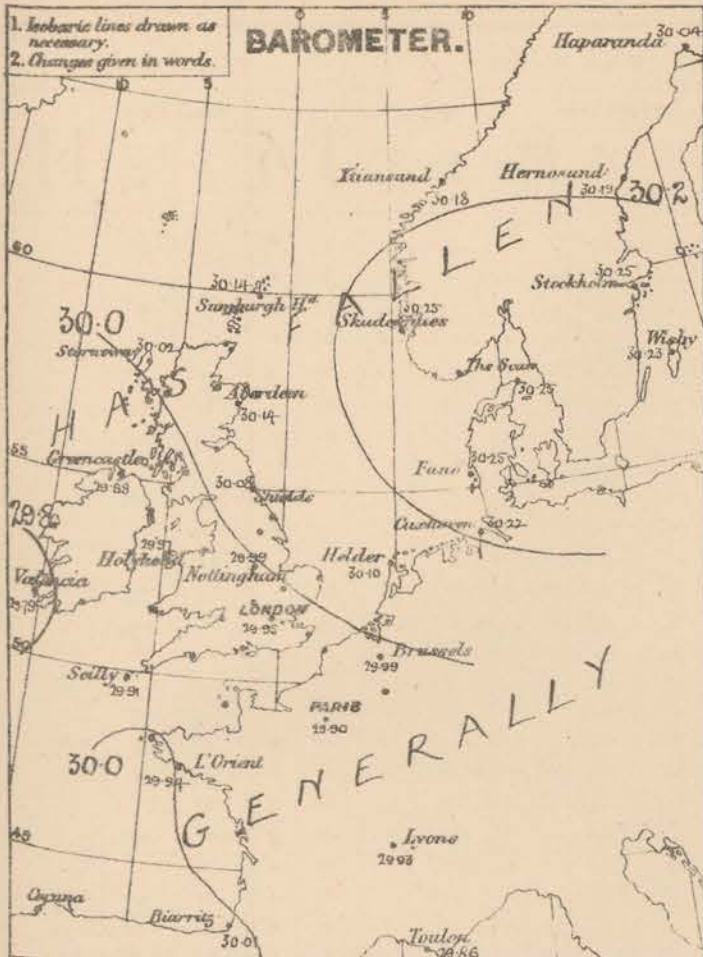
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 28 JUNE 1873.

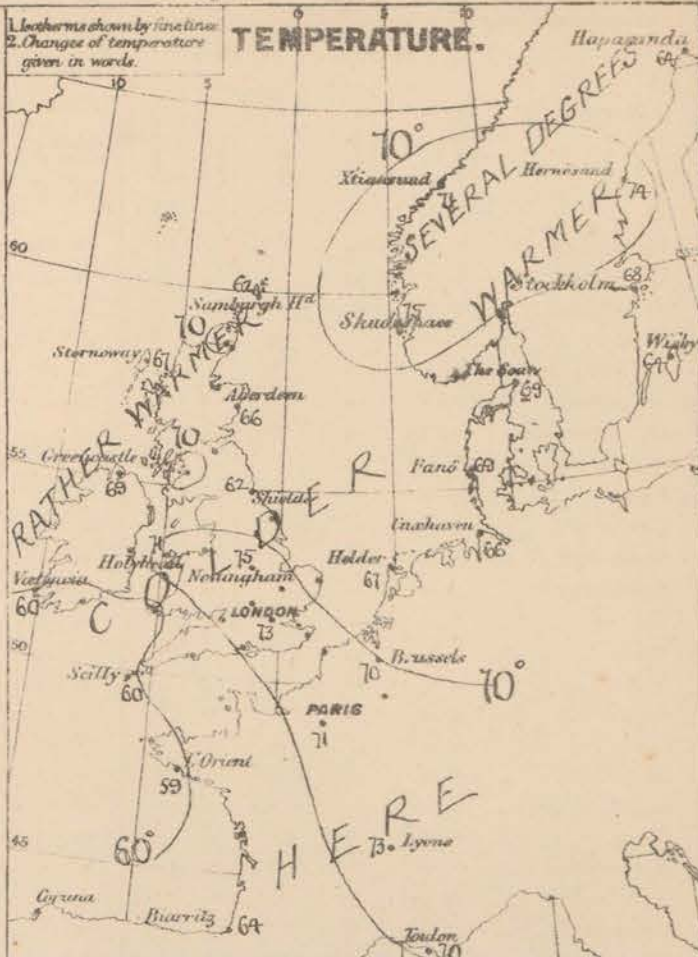
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



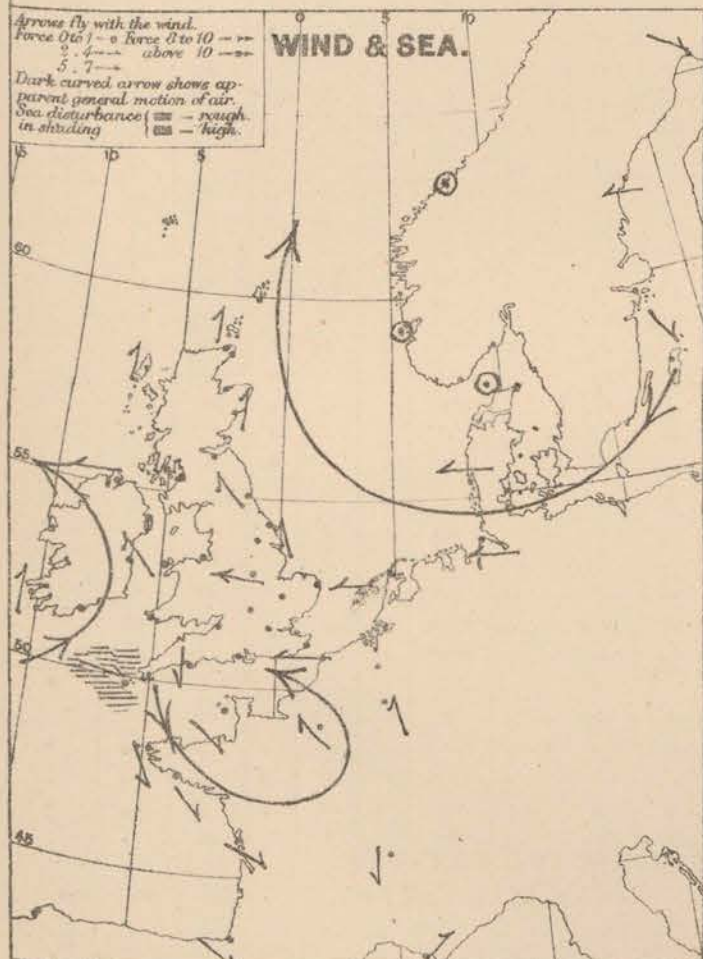
1. Isotherms shown by lines.
2. Changes of temperature given in words.

TEMPERATURE.



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

WIND & SEA.



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

WEATHER.



REMARKS. Weather is again fine in almost all parts of the United Kingdom, but is more cloudy in the P. than of late, with rain at Pembroke and Plymouth. Thunderstorms occurred over all but the SE. counties yesterday, and in several cases the rainfall was very heavy (0.8 to 1.8 in.) whereas others there was none. *Compositus* has risen in Norway, where it is very high, but decreased in most other places, but especially about the mouth of the Channel, where it has fallen 10° & 11°. The maximum readings yesterday varied from 84° to 89° over the inland parts of England. Wind is light to moderate generally, it is E. to SE. on all but the SW. coasts, where a moderate W. breeze is reported, while at Valentia the wind is S. Sea is very little disturbed. Barometrical indications. An area of high pressure (in which readings are about 30.25 in.) lies over Denmark and the S. of Scandinavia, and another one over the Bay of Biscay, while there is an area of low pressure to the W. of Ireland, and another (very shallow) one over the English Channel.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 14 per quarter, book post 5 per quarter.

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

R. H. SCOTT,
Secretary.

DAILY WEATHER REPORT

JUNE 29th

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			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.	Amount of Rainfall.	
Haparanda ...	29.91	63	Z	0	0	29.80	-.24	57	49	-13	E	2	r	*	68	48	-	
Hernösand ...	30.03	70	Z	0	0	29.87	-.32	72	64	-2	N	6	c	*	*	*	-	
Stockholm ...	30.13	64	SH	2	0	29.97	-.28	76	67	+8	SH	2	b	*	*	*	-	
Wisby ...	30.13	60	SH	6	0	30.07	-.16	62	64	-2	N	8	b	*	*	*	-	
Christiansund ...	30.08	68	NW	5	0	30.17	-.01	52	48	-19	NW	4	0	2	77	46	0.04	
Skudesnaes ...	30.20	66	NNW	6	m	30.03	-.22	75	66	0	NNW	6	b	2	77	66	-	
Oxö (Klönasand) ...	30.14	67	SSH	4	0	30.03	-.21	67	65	+1	SH	2	b	0	72	61	-	
Skagen (The Scaev) ...	30.14	71	Z	0	0	30.04	-.21	68	64	-1	SH	2	b	1	82	59	-	
Fanö ...	30.12	63	E	3	0	30.06	-.19	69	61	0	ENE	2	b	*	75	55	-	
Cuxhaven ...	30.21	73	E	5	0	30.02	-.20	76	63	+10	ESE	2	b	*	?	57	-	
Sumburgh Head ...	30.16	64	S	3	0	30.15	+0.01	55	55	-7	NE	5	b	4	68	54	-	
Stornoway ...	30.02	70	E	3	0	30.00	-.02	65	60	-2	Z	0	0	0	70	57	-	
Thurso ...	30.09	76	SSE	2	0	30.10	+0.01	69	62	-3	SSE	2	0	2	80	55	-	
Wick ...	30.11	66	S	2	0	30.11	+0.01	62	58	-2	E	2	0	0	70	55	-	
Nairn ...	30.06	77	Z	0	0	30.09	+0.02	64	57	-2	Z	0	0	0	83	53	-	
Aberdeen ...	30.15	68	SSE	1	0	30.11	-.03	65	59	-1	E	1	0	1	71	49	-	
Leith ...	30.06	67	E	3	0	30.06	+0.01	65	61	-1	E	1	0	*	80	54	-	
Shields ...	30.09	61	SE	3	0	30.05	-.03	63	60	+1	ENE	1	0	2	64	55	-	
Scarborough ...	30.08	59	ESE	2	0	30.03	-.06	63	60	-2	E	2	0	2	66	57	-	
York ...	30.04	67	E	4	0	30.00	-.03	65	60	-5	NE	2	c	*	80	53	-	
Nottingham ...	29.98	74	SE	5	0	29.96	-.02	65	61	-10	NNE	3	c	*	86	53	-	
Ardrossan ...	29.97	80	ESE	3	0	30.03	+0.05	63	59	-12	NE	4	b	2	85	55	-	
Greencastle ...	29.94	75	E	2	0	29.98	+0.10	63	58	-6	ENE	2	b	*	77	55	-	
Donaghadee ...	29.95	62	SE	4	0	30.01	+0.10	60	57	-3	NNE	4	b	3	68	55	-	
Kingstown ...	29.87	66	E	1	r	29.95	+0.09	60	57	-8	E	3	0	4	69	59	0.27	
Holyhead ...	29.96	66	NNW	3	c	29.98	-.04	63	60	-8	E	5	b	4	79	54	0.06	
Liverpool (Bidston) ...	29.90	78	E	1	0	29.94	+0.01	66	61	-5	ENE	1	b	1	81	54	-	
Valencia ...	29.89	60	SE	4	0	29.91	+0.12	56	53	-4	NE	1	c	2	62	57	0.02	
Roche's Point ...	29.94	60	SH	3	0	29.89	+0.06	59	56	+1	NNW	2	0	2	70	54	-	
Pembroke ...	29.92	59	NNW	2	0	29.91	+0.04	65	61	+6	Z	0	b	1	65	55	0.03	
Fortishead ...	29.86	72	SSH	3	0	29.87	+0.01	64	61	-11	NE	6	b	5	86	59	-	
Scilly ...	29.94	62	NNW	3	0	29.89	-.02	56	54	-4	NN	3	0	3	63	57	0.36	
Plymouth ...	29.87	65	NN	4	0	29.80	-.07	68	64	+4	NE	2	0	*	69	58	0.05	
Hurst Castle ...	29.86	77	ESE	4	0	29.82	-.06	69	65	-2	E	4	0	3	79	61	-	
Dover ...	29.90	70	E	4	0	29.85	-.12	71	63	+1	ENE	2	b	1	71	64	-	
London ...	29.97	76	ESE	4	0	29.86	-.09	70	64	-3	E	1	0	*	85	58	-	
Oxford ...	*	*	*	*	*	29.88	-.04	63	60	-10	S	2	b	*	87	55	-	
Cambridge ...	29.95	76	E	1	0	29.89	-.10	69	64	-3	NE	1	b	*	82	52	-	
Yarmouth ...	30.00	65	ENE	3	0	29.93	-.12	62	60	-1	ENE	3	b	3	66	59	-	
The Helder ...	*	*	*	*	*	29.94	-.16	66	62	-1	ENE	1	b	*	*	*	-	
Cape Gris Nez ...	29.89	68	NE	3	0	29.85	-.11	68	63	-5	E	1	0	0	87	59	-	
Jersey ...	29.86	62	NN	4	0	29.83	-.06	61	60	-3	NW	3	0	3	66	58	-	
Brest ...	30.02	?	NNW	3	0	29.93	-.09	55	54	-4	N	3	0	2	66	50	-	
L'Orient ...	29.91	63	N	3	0	29.90	-.04	57	54	-2	NNW	3	0	2	72	52	-	
Rochefort ...	29.91	68	NN	5	0	29.91	-.04	63	?	-5	NN	4	0	3	84	63	-	
Biarritz ...	29.93	70	NN	3	0	29.91	-.10	63	59	-1	NNW	2	0	3	82	59	-	
Coronna ...	*	*	*	*	*	29.85	-.14	64	59	-6	E	4	0	*	83	58	-	
Brussels ...	*	*	*	*	*	29.77	-.13	64	*	-9	E	1	0	*	*	*	-	
Charleville ...	*	*	*	*	*	29.80	-.10	69	61	-2	E	3	0	*	*	*	-	
Paris ...	29.82	78	E	5	0	29.80	-.10	69	61	-2	E	3	0	*	*	*	-	
Lyons ...	*	*	*	*	*	29.89	+0.03	81	63	+11	E	4	m	2	?	68	0.08	
Toulon ...	29.85	86	NN	2	m	29.89	+0.03	81	63	+11	E	4	m	2	?	68	0.08	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	
Skudesnaes ...	30.19	72	63	NW	6	m	2	Valencia	29.87	61	55	SSE	4	0
Thurso	30.12	79	71	SSE	2	0m	1	Scilly	29.95	63	57	NNW	4	0
Scarborough ...	30.10	61	58	SE	1	0	2	London	29.94	79	63	SE	4	0
Greencastle ...	29.93	75	68	E	2	0	*	Rochefort ...	29.96	?	?	NW	5	0
Holyhead	29.89	76	71	ESE	4	0	3							

There is little change of importance since the morning.

EXPLANATION OF COLUMNS.

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

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

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

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

SUMMARY OF WEATHER IN WESTERN EUROPE

from JUNE 23rd to JUNE 29th 1878.

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

The changes in pressure have been comparatively slight and unimportant during the week. Readings during the early portion were highest in the east, and lowest in the west, and at the close, highest in the north, and lowest in the south. The winds were consequently first S^W, then SE^W and finally E^W to NE^W, but from no point had it much force. Temperature has been exceptionally high during the whole week, the days of maximum heat being Wednesday and Thursday, when the thermometer passed 80° at most of the inland stations. The weather has been exceedingly fine, but thunderstorms of considerable violence have been experienced, that in London on Sunday, 23rd being remarkable for its heavy hail and rain.

JUNE 23rd Pressure was decreasing in nearly all places, and the distribution was very irregular, numerous small thunderstorm depressions being shown in our neighbourhood. Readings varied from 30.28 in: at Genoa and 30.18 at Bucharest to 29.94 in: at Tromsø, and 29.95 in: at Haparanda. Wind was S^W on our western and northern coast and fresh NW^W to W^W over Scandinavia, while over England and France it varied very considerably in direction and was very light in force. Temperature had risen slightly at most stations; it ranged over these Islands from 73° at Nottingham to 56° in the west of Ireland. Weather was clear on both shores of the North Sea and in the north-east of France, but was cloudy in the west and rain was falling in the S. of Ireland. During the day, pressure continued to decrease everywhere. In the afternoon ^{very} severe thunderstorms prevailed in London, more particularly the NW and SW suburbs, where the rainfall was torrential and the hail exceedingly heavy. Temperature had risen to 80° in London, to 82° at Cambridge, and 86° at Nottingham.

JUNE 24th A further decrease of pressure was reported from our NW and N coast, but in all other parts of these Islands as well as on the Continent the barometer was rising. The highest readings were 30.24 in: at Rochefort and 30.18 in: at Haparanda, the lowest was 29.86 in: at Tromsø. Light to moderate breeze from S. to SW prevailed at our stations, while in France the wind continued variable. Temperature was little changed; it varied from 73° at Nottingham to 55° at Tromsø. Weather was very fine except in the N. and NW, rain was falling at Roche Point and in the Hebrides and Shetlands. Later reports showed pressure increasing at all but the French stations, the wind remained S^W but the weather had become more cloudy. The maxima in the shade were 80° at York, 84° in London, 85° at Cambridge and 87° at Nottingham.

JUNE 25th Pressure was increasing at all stations except clarity, it was high and moderately uniform (30.1 in: to 30.2 in:) over England and the Western part of the Continent, whence readings decreased to 29.95 in: at Tromsø. Wind was E^W over France, SW^W on our coast and over Denmark and the S. of Sweden, SE^W in Norway; it was light or moderate except in the extreme N. Temperature had risen somewhat except in the SE of England; it varied over these Islands from 73° at Nottingham to 59° at Valentia and Tromsø. Sky was clear over France and the Netherlands more cloudy elsewhere; weather had

been dry except in the N. During the day the barometer continued to fall over France and the decrease extended to our S.W. coast. Light S.E. breezes prevailed and the weather was very warm and fine, the thermometer rising to 82° at Cambridge, to 81° in London, and 89° at Nottingham.

JUNE 26th A slight recovery had occurred in pressure during the night and at 8 am the barometer was rising in most places. Reading were highest (30.3 ins.) over the Gulf of Bothnia, where they decreased to 29.99 ins. at Stomway to 30.02 ins. at Valentia and 30.07 ins. at Biaritz. Wind was S.E. to E. over the Netherlands and France, and S. on our coast, while on the E. shores of the North Sea calms prevailed. Temperatures had risen at nearly all stations, it ranged from 78° at Nottingham to 60° at Stomway and Valentia. Weather was exceedingly fine and dry. During the day pressure became unsettled, but the changes were slight and the weather continued fine except in the south of Ireland. The maxima in the shade were considerably above 80° in many places. In London before the thermometer rose to 91°, at Nottingham to 95°, at Rockfort to 97°, at Bordeaux to 100° and at Madrid to 106°.

JUNE 27th The general distribution of pressure was not greatly changed, but the barometer was falling over the whole of these islands, while it still rose in Scandinavia. Reading varied from 30.4 ins. at Stockholm to 29.99 ins. at Lally, and 29.97 ins. at Biaritz. Wind was E. over France, and S.E. to E. on our coast as well as in Denmark and Norway. It was light or moderate in force. Temperature remained very high the thermometer ranging from 61 to 79° on Great Britain and from 57° to 62° over Ireland. Weather was exceedingly fine except in Ireland, where the sky was more cloudy and at Kingston p. thunderstorm was reported. Pressure continued to give way everywhere during the day and thunderstorms prevailed at all but the S.E. stations, the rainfall in some cases being very heavy. The thermometric maxima varied from 80° to 89° at the inland stations.

JUNE 28th The barometer had fallen in nearly all parts of western Europe since the previous day, but both in Scotland and in the west of France an upward tendency had shown itself during the night, elsewhere the mercury still fell, reading were highest (30.25 ins.) over Denmark, lowest 29.79 ins. at Valentia, while a small subsidiary depression was shown over the Channel, between the Isle of Wight and Cherbourg. Wind was S.E. over North Germany, the Netherlands and on most parts of our coast, but was N. to N.W. at the Shetland Islands and over the N. of France; it blew freshly in places. Temperatures had risen in the N. and N.W. fallen elsewhere, the largest departures being +9° at Morville and -13° at Dorset. Weather was very fine except at some of the S.W. stations; at Pembroke and Plymouth rain was falling. During the day pressure recovered in the N. and N.W. but decreased in the E. and S.; the weather continued fine and the thermometer rose to 85° in London and Ardrossan and 86° at Nottingham and Portlhead.

JUNE 29th The mercury was changing little and irregularly. An anticyclone stretched from the E. coast of Scotland to the N. of Norway while an area of low pressure (exhibiting at least two distinct minima) lay over the Channel and France. Wind was E. to N.E. over the Netherlands and British Isles, N. to N.W. over the Bay of Biscay. Temperature had fallen everywhere - very considerably over Central England; it varied from 71° at Dover to 56° at Valentia and 55° in the Shetlands. Weather was still generally fine though in the S.W. it was cloudy, and at Lally passing showers were reported. Later reports showed the barometer falling slowly everywhere, and a small depression advancing E. up the Channel; the weather, however, continued fine in the east during the whole day, though owing to the E. breeze the temperature was not so high.

Meteorological Office.

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT

JUNE 30TH 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda	29.59	51	NW	11	7	29.75	-.05	51	48	0	N	4	7	*	59	41	0.24	
Hernösand	29.88	55	NW	9	7	29.87	.00	55	47	-17	NNW	4	6	*	*	*	-	
Stockholm	29.86	60	NE	6	0	29.89	-.08	57	57	-19	NNE	4	6	*	*	*	-	
Wishby	29.89	65	SW	6	7	29.94	-.23	65	57	+3	ESE	6	0	*	*	*	-	
Christiansund	30.10	52	NE	3	6	29.95	-.22	52	48	0	NE	4	6	3	54	45	-	
Skudesnaes	29.86	61	NNW	8	7	29.80	-.23	61	57	-14	NNW	6	6	3	73	61	-	
Oxö (Ålansand)	29.85	66	SSW	4	7	29.84	-.19	66	57	-3	NE	6	6	2	70	59	-	
Skagen (The Raaw)	29.87	70	Z	0	7	29.82	-.22	66	62	-2	E	2	0	1	81	61	0.08	
Fanö	29.86	66	N	2	0	29.79	-.27	68	62	-1	ENE	2	0	*	75	64	-	
Cuxhaven	29.89	70	ENE	2	0	29.78	-.24	71	66	-5	N	2	0	*	72	63	0.01	
Sumburgh Head	30.08	54	NE	5	6	30.03	-.12	52	50	-3	NE	4	0	4	58	48	-	
Stornoway	30.00	67	N	4	7	30.01	+0.01	57	54	-8	NE	5	6	3	70	52	-	
Thurso	30.07	58	ENE	2	0	30.08	-.02	53	51	-16	N	1	8	3	75	51	-	
Wick	30.07	55	E	2	7	30.07	-.04	52	50	-10	N	2	0	0	73	50	-	
Nairn	30.09	66	NNE	6	7	30.06	-.03	55	52	-9	ENE	2	0	2	78	55	-	
Aberdeen	30.03	64	E	2	7	30.04	-.10	58	53	-7	N	4	6	2	70	53	-	
Leith	29.98	61	E	2	7	29.96	-.10	57	56	-8	ESE	4	6	*	69	55	-	
Shields	29.97	60	NE	2	7	29.92	-.13	58	56	-5	N	4	0	2	64	55	-	
Scarborough	29.93	59	NE	1	6	29.89	-.14	58	58	-5	N	3	0	3	63	55	-	
York	29.97	67	NNE	2	7	29.88	-.12	62	59	-3	N	2	0	*	71	51	-	
Nottingham	29.88	69	NNE	5	6	29.88	-.08	62	57	-3	NE	5	0	*	79	54	-	
Ardrossan	29.93	72	NE	5	7	29.96	-.07	67	57	+4	NE	1	0	1	78	58	-	
Greencastle	29.91	72	NE	2	7	29.92	-.06	67	60	+4	E	2	0	*	75	53	-	
Donaghadee	29.90	64	S	3	7	29.94	-.07	62	60	+2	NE	1	0	0	70	53	-	
Kingstown	29.88	65	E	3	6	29.92	-.03	60	56	0	E	1	6	4	66	58	-	
Holyhead	29.85	65	E	5	0	29.88	-.05	61	56	-2	ENE	4	6	3	69	57	-	
Liverpool (Hudson)	29.85	68	ENE	3	0	29.89	-.05	60	55	-6	Z	0	0	1	71	55	-	
Valencia	29.87	59	NNW	3	0	29.83	-.08	62	59	+6	Z	0	0	1	65	52	-	
Roche's Point	29.84	66	S	2	0	29.84	-.05	63	59	+4	ESE	3	6	3	72	57	-	
Pembroke	29.80	60	ESE	2	7	29.80	-.08	62	59	-3	ENE	1	6	1	71	57	0.34	
Portishead	29.78	65	NNE	3	0	29.82	-.05	63	59	-1	NE	4	0	4	77	55	0.28	
Seilly	29.84	58	NNW	5	0	29.89	.00	58	56	+2	N	4	0	4	60	55	-	
Plymouth	29.76	66	S	2	0	29.82	+0.02	64	62	-4	NE	2	0	*	75	58	0.08	
Hurst Castle	29.76	73	ESE	3	7	29.79	-.03	61	60	-8	N	3	0	3	78	58	0.05	
Dover	29.77	69	E	4	7	29.74	-.11	63	61	-8	Z	0	0	0	72	61	0.28	
London	29.80	73	E	3	7	29.84	-.02	62	59	-8	Z	0	0	0	84	57	-	
Oxford	*	*	*	*	*	29.86	-.07	63	60	0	N	2	6	*	77	54	0.20	
Cambridge	29.82	70	E	1	6	29.84	-.05	63	61	-6	NNE	1	0	*	82	52	-	
Yarmouth	29.86	63	ENE	3	7	29.86	-.13	62	60	0	NE	3	6	3	65	58	-	
The Helder	*	*	*	*	*	29.77	-.17	67	64	+1	ENE	1	0	*	*	*	0.04	
Cape Gris Nez	29.78	64	NE	3	0	29.77	-.08	63	63	-5	Z	0	7	0	73	59	0.22	
Jersey	29.83	59	N	3	0	29.84	+0.03	57	56	-4	NNW	7	0	6	61	56	0.60	
Brest	29.93	70	NNW	2	0	29.99	+0.06	59	55	+4	NNW	3	6	3	?	52	-	
L'Orient	29.90	59	NNW	3	0	29.95	+0.05	63	55	+6	NNW	3	6	2	68	54	-	
Rochefort	30.00	64	NNW	4	0	30.06	+0.14	63	57	0	NNW	3	6	3	84	57	0.08	
Biarritz	30.00	66	SSW	2	0	30.03	+0.12	63	59	0	ESE	3	6	3	66	54	0.47	
Coronna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels	*	*	*	*	*	29.77	-.08	62	61	-2	SW	2	0	*	78	60	0.83	
Charleville	*	*	*	*	*	29.84	+0.07	57	56	-7	SW	3	0	*	*	*	*	
Paris	29.77	69	SSW	4	7	29.89	+0.09	62	55	-7	SSW	5	6	*	*	*	0.32	
Lyons	*	*	*	*	*	30.04	*	69	*	*	N	2	0	*	*	*	*	
Toulon	29.90	68	E	3	7	29.98	+0.09	68	64	-12	S	1	6	3	68	61	0.51	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.89	67	60	NNW	6	7	3	Valencia	29.89	61	55	NNW	3	0	3
Thurso	30.09	74	64	ESE	2	7	2	Seilly	29.87	57	55	NNW	5	7	4
Scarborough ...	30.00	61	59	ENE	2	7	2	London	29.82	76	66	ESE	3	60	*
Greencastle ...	29.96	71	64	ENE	2	60	*	Rochefort ...	29.95	63	59	NNW	4	0	3
Holyhead ...	29.89	68	64	E	5	0	4								

No change of importance.

EXPLANATION OF COLUMNS

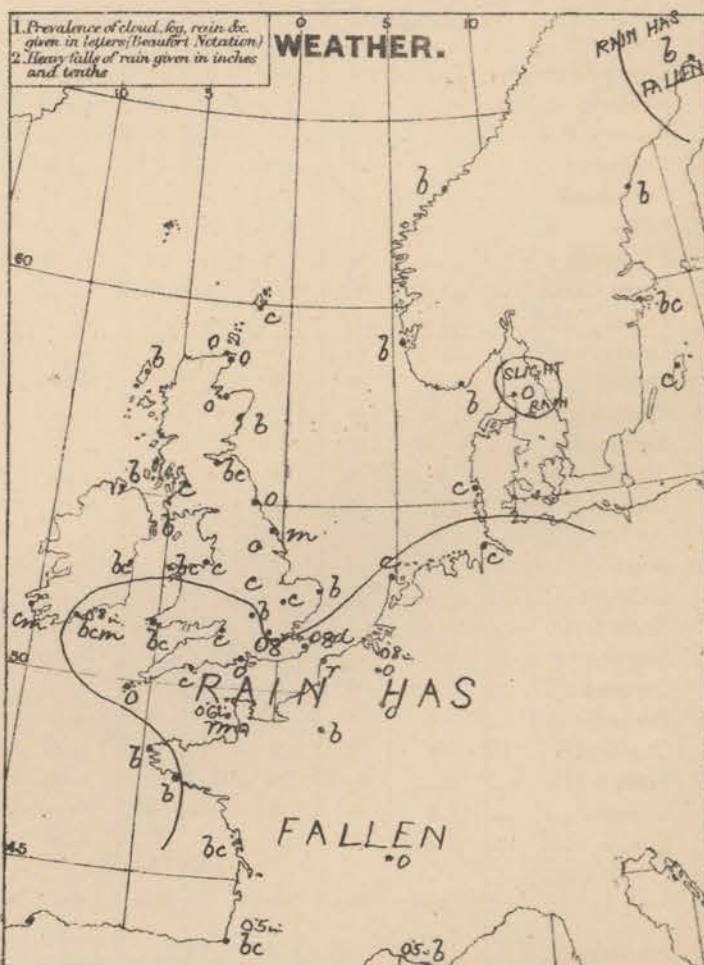
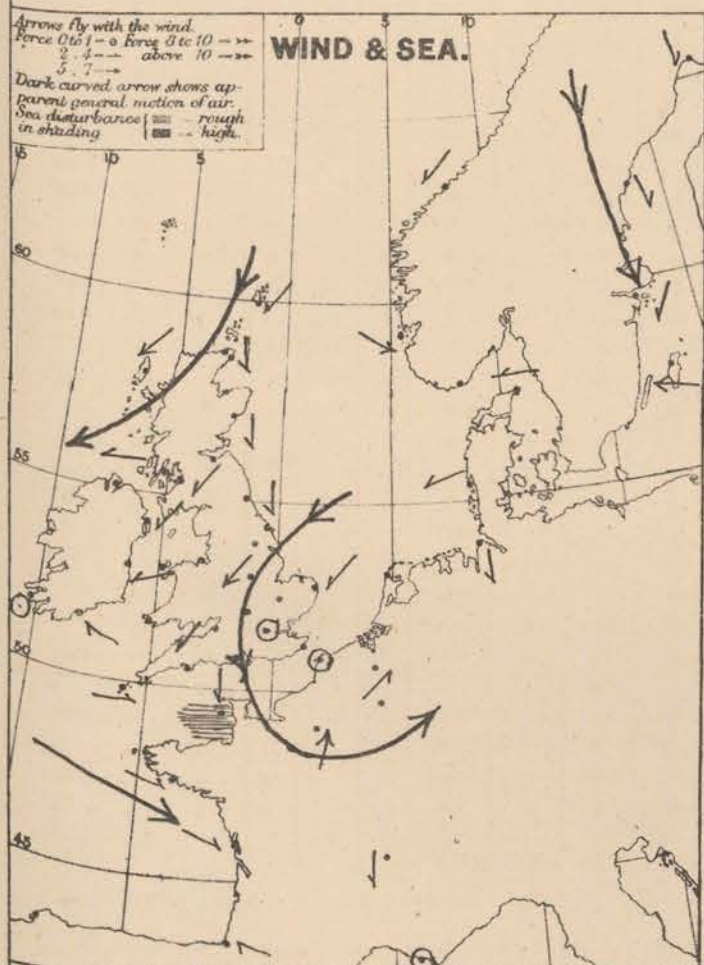
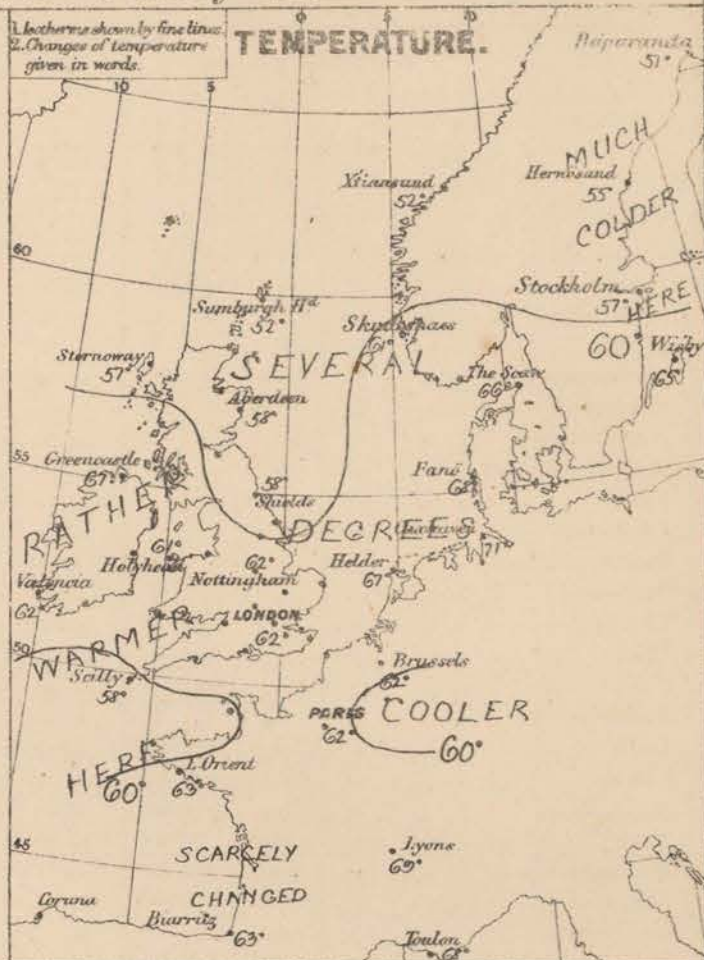
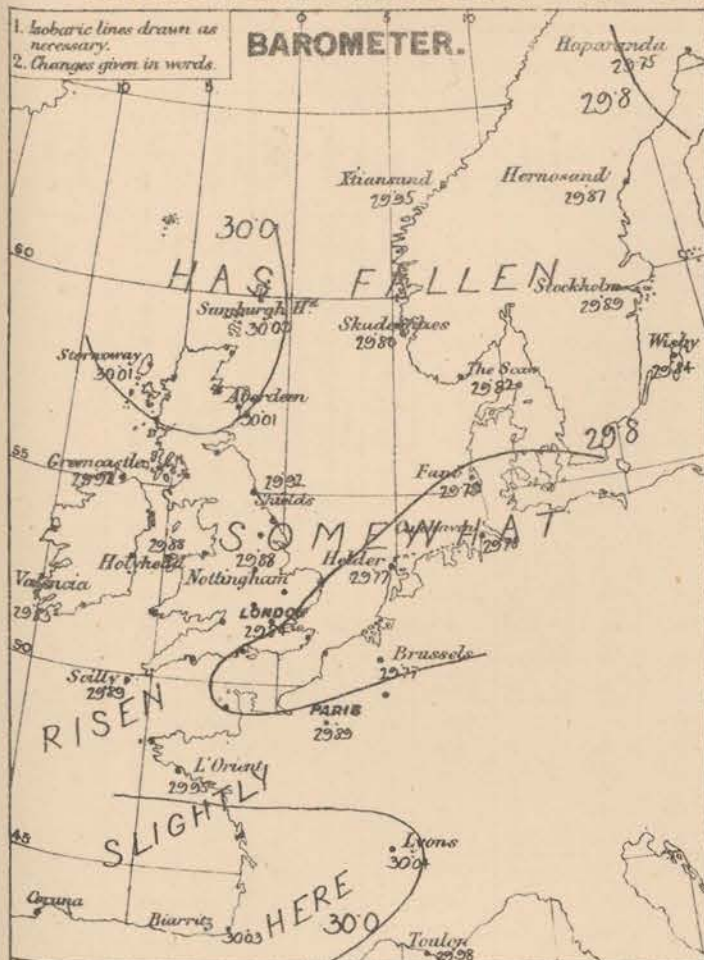
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 30TH JUNE 1878



REMARKS. Weather has become overcast in the south east of England as well as at many of the North British stations, but in the west of these Islands and on the Continent it continues generally fine. Thunderstorms occurred over all our southern counties last evening and also at Brussels; the accompanying showers were in some instances very heavy, and during the past day, rain has also fallen in France. Temperature has risen a few degrees in Iceland and the north west of France but fallen in almost all other places - considerably in Caithness and over the Baltic; it now varies from 52° to 67° in Scotland, from 60° to 67° in Ireland, and from 58° to 64° in England; during yesterday the thermometer in the shade rose to 78° at Antwerp, to 79° at Nottingham, to 82° at Cambridge and to 84° in London. Wind is moderate from the N. at all our eastern and north eastern stations, but draws into E. in the west and south west, while in France N. to N.W. breezes are blowing. Sea is rough at Jersey, moderate to smooth on our other coasts.

Barometrical Indications. The barometer is rising over the Channel and west of France and also in the N. of Scotland but is falling elsewhere. Two regions of high pressure are now shown, one over Scotland and the other over the south of France; gradients continue

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

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

R. H. SCOTT
SECRET

SECRETARY

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR JUNE 1878

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				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.		
1 st	Corunna.	*	*	*	*	*	30.05	+13	62	*	+4	?	3	b	1	*	*	*	
2 nd	Corunna.	*	*	*	*	*	30.06	+04	66	*	+2	SW	2	o	1	*	*	*	
3 rd	Corunna.	*	*	*	*	*	30.17	+11	67	*	+1	SW	3	o	1	*	*	*	
4 th	Corunna.	*	*	*	*	*	30.30	+13	64	*	-3	SE	3	e	1	*	*	*	
5 th	Corunna.	*	*	*	*	*	30.33	+03	64	*	0	?	?	b	1	*	*	*	
6 th	Corunna.	*	*	*	*	*	30.05	-28	63	-1	-1	N	1	cf	1	*	*	*	
7 th	Corunna.	*	*	*	*	*	29.90	-15	63	*	0	S	6	cf	7	*	*	*	
8 th	Wick.	29.56	53	S	3	h	29.25	-45	55	53	+8	S	2	o	2	55	48	0.40	
9 th	Cape Gir. Vig.	29.65	61	SSW	5	c	29.83	+01	55	54	-4	W SW	6	bc	5	63	54	-	
10 th	Corunna.	*	*	*	*	*	30.14	+18	64	*	+2	Z	0	c	1	*	*	*	
11 th	Brussels.	*	*	*	*	*	29.84	+09	56	53	-6	W SW	6	o	3	70	53	0.16	
12 th	Corunna.	*	*	*	*	*	29.94	-20	64	*	0	SW	9	e	4	*	*	*	
13 th	Corunna.	*	*	*	*	*	30.14	+20	65	*	+1	W	3	o	1	*	*	*	
14 th	Corunna.	*	*	*	*	*	30.00	-14	62	*	-3	SE	6	of	1	*	*	*	
15 th	Corunna.	*	*	*	*	*	30.16	+20	62	*	0	SW	3	e	1	*	*	*	
16 th	Christiansund.	29.81	?	SSW	1	bc	29.69	-23	?	?	?	SE	3	c	1	68	50	0.08	
17 th	Likagen.	29.64	55	E	4	h	29.78	+09	55	53	+5	SSW	2	b	2	55	46	0.51	
18 th	Faro.	29.59	55	SSW	4	c	29.72	+27	58	54	+2	S	5	c	*	61	52	-	
19 th	Corunna.	*	*	*	*	*	29.95	-31	63	*	+2	SW	6	of	1	*	*	*	
20 th	Loulon.	29.75	64	W	7	b	29.88	+11	57	55	0	W	6	b	7	70	55	-	
21 st	Corunna.	*	*	*	*	*	30.09	+14	58	*	-5	NE	1	b	1	*	*	*	
22 nd	Corunna.	*	*	*	*	*	30.22	+13	63	*	+5	NE	1	b	2	*	*	*	
23 rd	Corunna.	*	*	*	*	*	30.20	?	68	*	?	Z	0	c	2	*	*	*	
24 th	Corunna.	*	*	*	*	*	30.22	+02	64	*	-4	NE	3	o	1	*	*	*	
25 th	Donaghadee.	30.10	60	SSW	3	b	30.06	-10	62	59	-4	SW	3	bc	2	63	50	-	
26 th	Faro.	30.16	62	Z	0	b	30.19	+06	71	64	-1	SW	1	b	*	72	52	-	
27 th	Behefort.	30.21	73	W	3	bc	30.21	-03	70	64	+4	E	2	b	3	73	61	-	
28 th	Corunna.	*	*	*	*	*	30.14	?	67	*	?	NE	1	c	1	*	*	*	
29 th	Loulon.	29.94	77	SE	2	m	30.03	+08	70	63	-2	E	3	b	3	81	64	*	
30 th	Corunna.	*	*	*	*	*	?	?	65	*	-2	NE	1	of	1	*	*	*	
1 st	Corunna.	*	*	*	*	*	29.99	?	67	*	+2	Z	0	o	2	*	*	*	
2 nd	Corunna.	*	*	*	*	*	30.16	+17	64	*	-3	W	6	b	4	*	*	*	
3 rd	Corunna.	*	*	*	*	*	30.05	-11	65	*	+1	W	?	c	2	*	*	*	

