

METEOROLOGICAL OFFICE.

---

DAILY WEATHER REPORTS.

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

**1877.**





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

Published by the Admiralty



# DAILY WEATHER REPORT JUNE 1<sup>st</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.						PART 24 HOURS.				
	Baromet. at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Temp. (0 to 13).	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	29.65	42	Z	0	c	29.77	+ .25	48	45	+ 6	SW	2	*	*	*	*	
Hernösand	29.67	43	Z	0	bc	29.86	+ .30	53	48	+ 6	Z	*	*	*	*	*	
Stockholm	29.74	?	SW	4	o	29.91	+ .21	?	?	?	SW	*	*	*	*	*	
Widby	29.83	50	SSW	6	b	30.00	+ .12	49	46	+ 1	SSW	4	*	*	*	*	
Christiansund	29.67	48	H	6	o	29.68	+ .31	49	46	- 1	NNW	2	ci	1	46	45	
Skudesnaes	29.78	57	SSW	2	bc	29.75	+ .15	55	50	+ 5	ENE	4	o	2	?	50	
Oxö (Klansand)	29.84	47	SSW	2	f	29.86	+ .21	48	48	- 1	NE	4	o	2	52	41	
Skagen (The Scaw)	29.56	50	SSE	2	b	29.90	+ .18	52	50	+ 4	S	2	b	0	59	45	
Fanö	29.82	58	SSE	4	bc	29.78	+ .04	63	60	+ 3	SSW	5	bc	*	64	54	
Cuxhaven	29.77	4	E	2	b	29.85	+ .07	64	62	+ 3	S	2	b	*	54	-	
Sumburgh Head																	
Stornoway	29.62	49	E	1	C	29.31	- .22	49	49	o	E	4	r	5	53	45	0.26
Thurso	29.65	50	H	2	o	29.44	- .07	48	47	- 2	ESE	5	r	4	56	45	0.05
Wick	29.67	53	SW	2	o	29.45	- .07	48	47	- 2	SE	4	r	3	56	45	0.11
Nairn	29.62	52	ESE	2	bc	29.35	- .20	53	49	+ 3	ESE	2	*	1	58	48	-
Aberdeen	29.65	50	S	2	b	29.41	- .15	48	47	- 4	SSE	3	r	2	56	48	0.24
Leith	29.58	56	E	2	o	29.30	- .28	53	52	- 2	SSE	1	r	*	60	50	0.11
Shields	29.64	49	ESE	5	o	29.32	- .31	49	49	- 3	SSE	5	o	3	54	47	0.23
York	29.59	60	E	2	bc	29.32	- .30	58	53	+ 6	SSW	5	C	*	61	50	0.28
Scarborough	29.65	50	ESE	2	C	29.35	- .29	53	52	+ 1	SSE	5	*	4	56	49	0.24
Nottingham	29.60	62	SSE	3	o	29.31	- .30	58	53	- 1	SSE	5	r	*	69	53	0.23
Ardrossan	29.53	62	E	2	o	29.24	- .32	54	53	+ 1	SSE	2	r	2	63	52	0.61
Greencastle	29.48	54	ENE	2	o	29.13	- .39	53	52	+ 1	S	2	o	*	54	49	0.20
Donaghadee	29.48	52	SSE	4	o	29.19	- .37	52	51	+ 2	SSE	4	C	3	55	49	0.57
Kingstown	29.42	54	SE	4	o	29.16	- .37	53	51	o	SE	2	o	2	57	49	0.48
Holyhead	29.46	57	SE	2	r	29.14	- .37	54	52	o	SSW	4	r	3	63	52	0.24
Liverpool (Bidston)	29.50	61	ESE	3	o	29.21	- .36	53	51	- 2	ESE	4	o	3	65	53	0.08
Valencia	29.08	55	SSE	5	r	29.30	- .06	52	51	+ 2	NW	3	pcg	4	55	48	0.70
Roche's Point	29.16	52	SSW	7	r	29.21	- .24	53	51	+ 1	NW	4	C	5	56	50	0.95
Pembroke	29.40	54	SE	5	o	29.12	- .36	53	51	+ 3	SE	1	bc	4	59	48	0.48
Portishead	29.56	57	SSE	4	r	29.17	- .34	53	52	o	SE	8	r	4	64	50	0.23
Seilly																	
Plymouth	29.57	56	ESE	5	o	29.23	- .23	52	51	o	SW	8	o	*	62	51	0.48
Hurst Castle	29.66	56	S	3	o	29.36	- .19	56	56	- 2	SW	8	o	7	58	51	0.16
Dover	29.72	55	SW	2	bc	29.56	- .04	56	53	+ 2	SSW	5	bc	5	62	52	0.04
London	29.46	63	SW	2	over	29.43	- .14	55	52	- 4	S	7	pcg	*	65	54	0.11
Oxford	*	*	*	*	*	29.30	- .25	53	52	- 3	S	5	r	*	66	53	0.39
Cambridge	29.62	60	SSE	1	o	29.40	- .21	57	54	- 1	S	4	op	*	64	53	0.06
Yarmouth	29.68	54	SE	2	bc	29.57	- .16	55	54	+ 1	SSE	5	C	4	63	57	0.11
The Helder	*	*	*	*	*	29.48	- .03	63	59	+ 5	SSE	2	C	*	*	*	0.12
Cape Gris Nez	29.74	57	SW	2	C	29.61	+ .01	57	52	- 2	SW	5	bc	4	66	54	0.12
Brest	29.54	59	S	6	m	29.67	+ .09	55	54	o	H	7	m	8	?	52	0.24
L'Orient																	
Rochefort	29.79	68	SE	4	b	29.97	+ .21	61	55	C	W	6	b	5	77	54	-
Biarritz	29.73	72	S	4	b	30.08	+ .23	64	63	+ 1	Z	o	bc	4	81	57	-
Corunna	*	*	*	*	*												
Brussels	*	*	*	*	*	29.71	+ .06	57	*	+ 2	SW	1	o	*	*	*	0.16
Charleville	*	*	*	*	*	29.74	+ .11	58	*	+ 5	SSE	3	o	*	*	*	*
Paris	29.82	66	SW	5	bc	29.88	+ .26	60	*	+ 3	SW	5	bc	*	*	*	0.12
Lyons	*	*	*	*	*	29.97	+ .13	68	*	+ 4	S	7	bc	*	*	*	*
Toulon	30.01	61	SSE	5	m	30.08	+ .17	61	61	+ 2	E	5	m	5	66	59	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.76	53	50	S	2	bef	4	Valencia .....	29.22	54	51	E	5	tg	5
Thurso .....	29.63	54	49	NNW	2	bc	3	Seilly .....							
Scarborough ...	29.66	52	50	ESE	2	c	2	London .....	29.59	63	59	SE	2	o	#
Greencastle ...	29.54	53	50	ENE	2	o	#	Rochefort ...	29.83	69	61	SSW	4	b	3
Holyhead .....	29.50	57	52	SE	3	o	2								

The barometer is falling briskly at Valencia, with a fresh Easterly wind; while in the N. the mercury is rising.

## 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 in misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, measured 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.

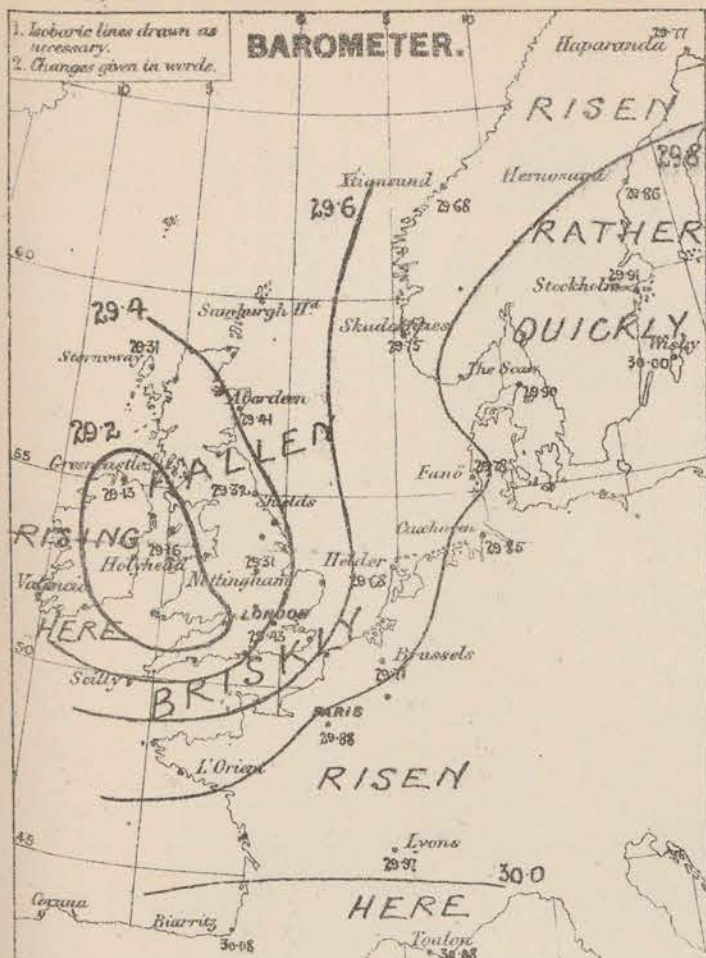
N.B.—The wind is said to "var" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Friday JUNE 1<sup>st</sup> 1877.

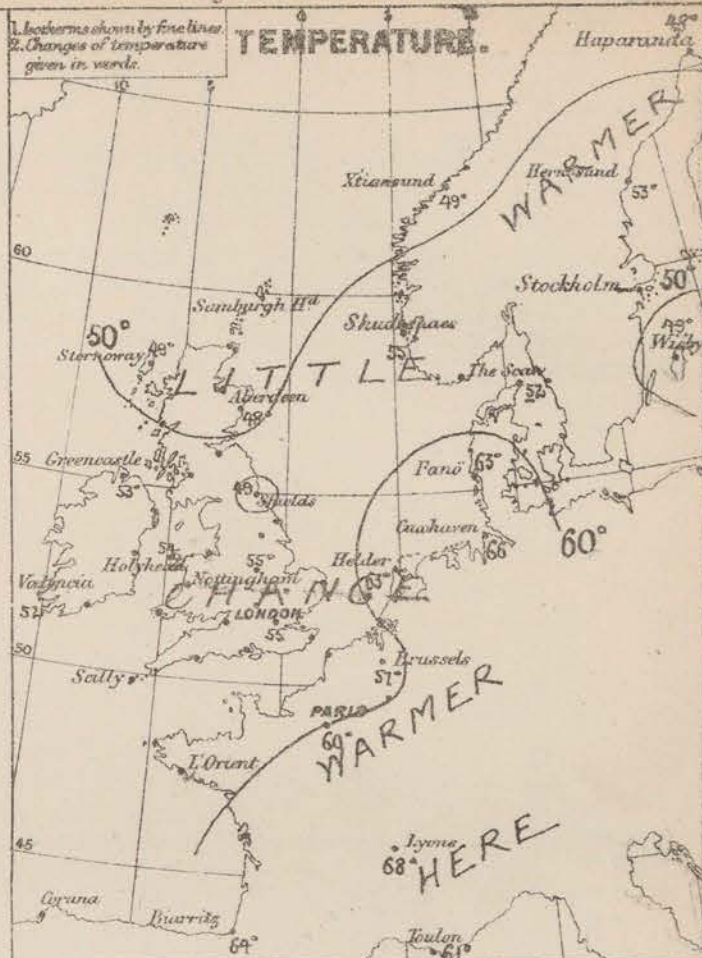
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



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

## TEMPERATURE.



1. Arrows fly with the wind.
2. Force 0 to 10.
3. Force 10 to 20.
4. Force 20 to 30.
5. Force 30 to 40.
6. Force 40 to 50.
7. Force 50 to 60.
8. Force 60 to 70.
9. Force 70 to 80.
10. Force 80 to 90.
11. Force 90 to 100.
12. Force 100 to 110.
13. Force 110 to 120.
14. Force 120 to 130.
15. Force 130 to 140.
16. Force 140 to 150.
17. Force 150 to 160.
18. Force 160 to 170.
19. Force 170 to 180.
20. Force 180 to 190.
21. Force 190 to 200.
22. Force 200 to 210.
23. Force 210 to 220.
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25. Force 230 to 240.
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37. Force 350 to 360.
38. Force 360 to 370.
39. Force 370 to 380.
40. Force 380 to 390.
41. Force 390 to 400.
42. Force 400 to 410.
43. Force 410 to 420.
44. Force 420 to 430.
45. Force 430 to 440.
46. Force 440 to 450.
47. Force 450 to 460.
48. Force 460 to 470.
49. Force 470 to 480.
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52. Force 500 to 510.
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69. Force 670 to 680.
70. Force 680 to 690.
71. Force 690 to 700.
72. Force 700 to 710.
73. Force 710 to 720.
74. Force 720 to 730.
75. Force 730 to 740.
76. Force 740 to 750.
77. Force 750 to 760.
78. Force 760 to 770.
79. Force 770 to 780.
80. Force 780 to 790.
81. Force 790 to 800.
82. Force 800 to 810.
83. Force 810 to 820.
84. Force 820 to 830.
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100. Force 980 to 990.
101. Force 990 to 1000.
102. Force 1000 to 1010.
103. Force 1010 to 1020.
104. Force 1020 to 1030.
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108. Force 1060 to 1070.
109. Force 1070 to 1080.
110. Force 1080 to 1090.
111. Force 1090 to 1100.
112. Force 1100 to 1110.
113. Force 1110 to 1120.
114. Force 1120 to 1130.
115. Force 1130 to 1140.
116. Force 1140 to 1150.
117. Force 1150 to 1160.
118. Force 1160 to 1170.
119. Force 1170 to 1180.
120. Force 1180 to 1190.
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# DAILY WEATHER REPORT. JUNE 2<sup>nd</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind.		Weather.	Barometer.		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 ...	29.90	42	2	0	b	29.93	+16	41	38	-7	SE	2	b c	*	*	*	-	
Hernösand ...	29.88	47	S S W	2	b c	29.79	+07	46	44	-7	S S W	2	o	*	*	*	-	
Stockholm ...	29.94	52	S	2	b	29.79	-12	52	50	-2	S	2	h	*	*	*	0.04	
Wisby ...	29.97	56	S S E	4	b	29.86	-14	58	53	+9	S	4	c	*	*	*	-	
Christiansund ...	29.60	58	E S E	1	c	29.25	-42	59	50	+10	E	4	c	2	?	48	-	
Skudesnaes ...	29.47	53	E S E	6	h	29.38	-37	48	47	-7	S S E	6	h	7	55	?	-	
Oxö (Klansand) ...	29.64	51	S S E	6	h	29.55	-31	50	49	+2	S S W	6	o	4	52	48	-	
Skagen (The Sea) ...	29.70	53	S S E	3	c	29.69	-21	52	50	0	S W	3	o	2	61	46	0.20	
Fanö ...	29.67	56	S S W	6	c	29.74	-04	55	54	-8	W S W	6	c	*	72	54	0.20	
Cuxhaven ...	29.70	?	S W	4	o	29.86	+11	59	55	-7	S W	6	o	*	*	54	0.09	
Sumburgh Head ...																		
Stornoway ...	29.11	51	SE	1	c	29.12	-19	49	47	0	W S W	8	c	6	53	49	0.38	
Thurso ...	29.17	49	E S E	3	o	29.14	-30	53	47	+5	S W	5	h	3	53	47	0.26	
Wick ...	29.15	48	SE	2	o	29.17	-28	52	47	+4	S W	4	b	3	52	45	0.18	
Nairn ...	29.16	57	W	0	b	29.22	-13	53	46	0	S W	2	b	2	61	47	-	
Aberdeen ...	29.17	50	S S E	1	m	29.28	-13	53	46	+5	S S W	6	q b	3	54	46	0.36	
Leith ...	29.20	52	E	1	h	29.37	+07	53	49	0	W	5	b c	*	62	47	0.21	
Shields ...	29.25	57	S W	4	c	29.52	+20	56	47	+7	W S W	4	b	1	57	47	0.15	
York ...	29.32	57	W	5	o	29.62	+30	55	50	-3	W S W	3	b	*	61	50	0.11	
Scarborough ...	29.31	55	W S W	2	o	29.59	+24	56	49	+3	W S W	5	b	4	58	50	0.16	
Nottingham ...	29.44	58	S W	6	o	29.72	+41	55	53	0	S S W	6	o h	*	62	50	0.30	
Ardrossan ...	29.21	54	S W	3	b c	29.43	+19	51	48	-3	S S W	4	b c	4	59	49	0.52	
Greencastle ...	29.20	53	W	2	o	29.35	+22	51	47	-2	S W	3	o	*	?	45	0.19	
Donaghadee ...	29.26	53	W	7	c	29.45	+26	53	50	+1	W S W	5	b c	4	59	48	0.20	
Kingstown ...	29.43	45	W S W	4	o	29.54	+31	55	50	+3	S S W	4	b c	3	59	49	0.10	
Holyhead ...	29.43	53	S W	5	o	29.58	+42	54	52	0	S S W	4	c	3	59	?	0.10	
Liverpool (Bidston) ...	29.41	54	W S W	6	o	29.60	+39	54	49	+1	S W	3	o	3	60	50	0.17	
Valencia ...	29.37	53	S S W	7	h	29.49	+19	54	52	+2	S	7	c	6	56	47	0.32	
Roche's Point ...	29.47	55	W S W	7	h	29.58	+37	54	51	+1	S W	5	o	4	57	50	0.16	
Pembroke ...	29.59	53	W S W	8	o	29.64	+52	52	52	-1	S W	7	h g	5	56	50	0.46	
Portishead ...	29.67	54	W S W	7	o	29.76	+59	54	54	+1	S S W	6	h	4	58	50	0.25	
Scilly ...																		
Plymouth ...	29.72	55	W S W	5	o	29.80	+57	53	52	+1	S W	6	o	*	59	51	0.08	
Hurst Castle ...	29.78	55	W S W	6	o	29.89	+53	56	56	0	S W	6	o	6	64	47	0.02	
Dover ...	29.74	54	W S W	7	o	29.94	+38	54	51	-2	S W	5	c w	5	59	52	0.02	
London ...	29.66	57	W	6	o p q	29.86	+43	54	52	-1	S W	4	o d	*	59	52	0.02	
Oxford ...	*	*	*	*	*	29.78	+48	55	54	+3	S W	4	o	*	61	52	0.07	
Cambridge ...	29.62	57	S W	4	h	29.81	+41	54	53	-3	S W	3	o	*	60	51	0.06	
Yarmouth ...	29.50	58	S W	5	c	29.79	+28	56	53	+1	S W	5	q c	3	60	51	0.08	
The Helder ...	*	*	*	*	*	29.85	+17	56	53	-9	S S W	4	o	*	*	*	0.04	
Cape Gris Nez ...	29.75	54	S W	9	h	29.97	+36	55	52	-2	S S W	8	c	6	59	52	0.04	
Brest ...	30.00	59	W	5	m	30.01	+34	55	54	0	S W	5	m	6	?	52	-	
L'Orient ...																		
Rochefort ...	30.15	64	W	6	b	30.17	+20	61	57	0	W S W	4	b	3	70	52	-	
Biarritz ...	30.25	70	N N E	1	b	30.13	+05	59	55	-5	E	3	b c	4	2	48	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	?	?	54	*	-3	S W	3	o	*	*	*	0.06	
Charleville ...	*	*	*	*	*	30.07	+34	55	*	-3	S S W	6	c	*	*	*	*	
Paris ...	29.97	61	S W	5	c	30.15	+35	55	*	-8	S W	5	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.29	+32	61	*	-7	N W	2	b	*	*	*	*	
Toulon ...	30.06	57	N W	4	c	30.13	+05	57	52	-4	N W	5	b	5	63	?	0.28	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.58	55	52	SE	6	N	4	Valencia .....	29.48	54	50	SW	5	O q	5
Thurso .....	29.26	50	49	ESE	5	N	4	Scilly .....							
Scarborough ...	29.18	50	52	SSE	4	O	4	London .....	29.47	58	55	SW	7	O p q	*
Greencastle ...	29.15	58	54	S	2	O	*	Rochefort ...	30.10	61	55	W	7	b c	6
Holyhead .....	29.29	57	54	SW	5	b	4								

The barometer has begun to rise briskly in the S.W. and S. but is falling in the N. and NE. The wind is still blowing a fresh gale from S.W. to W. over our S. countries.

## 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.

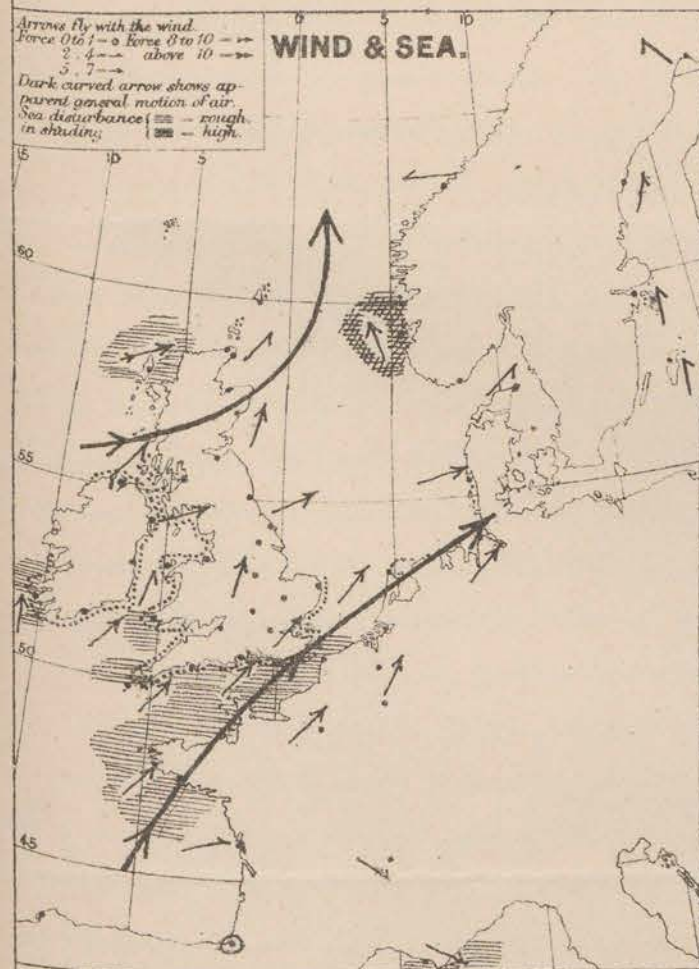
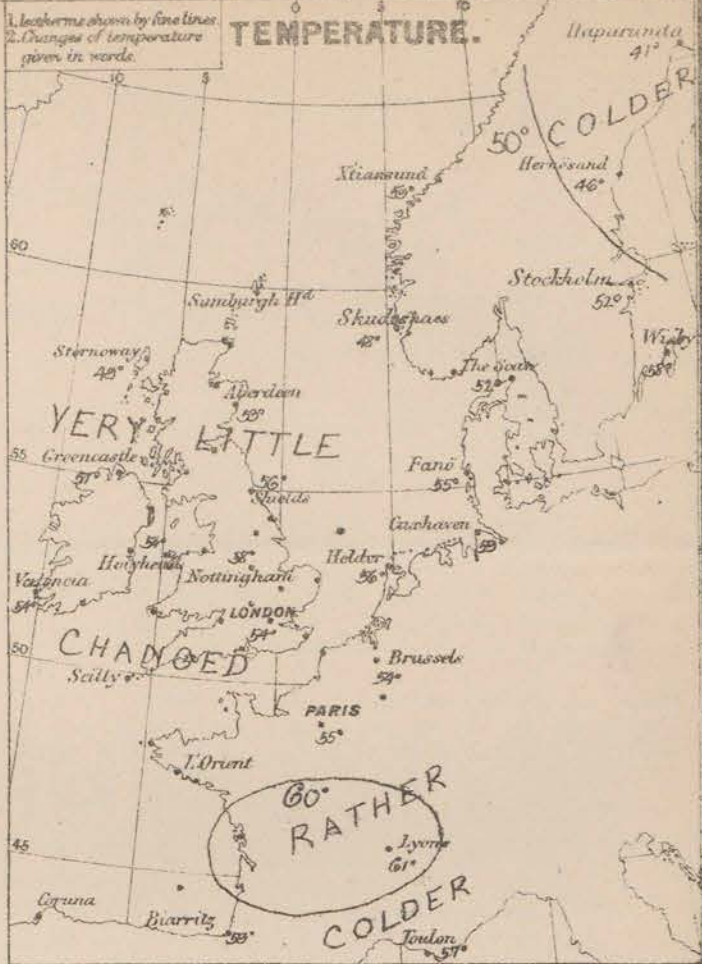
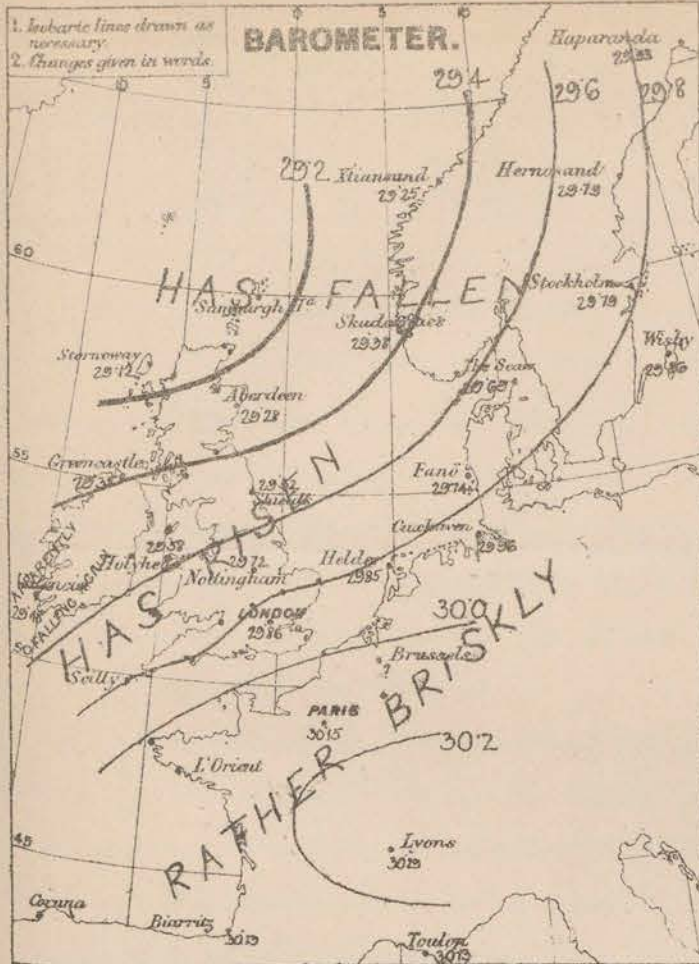
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.

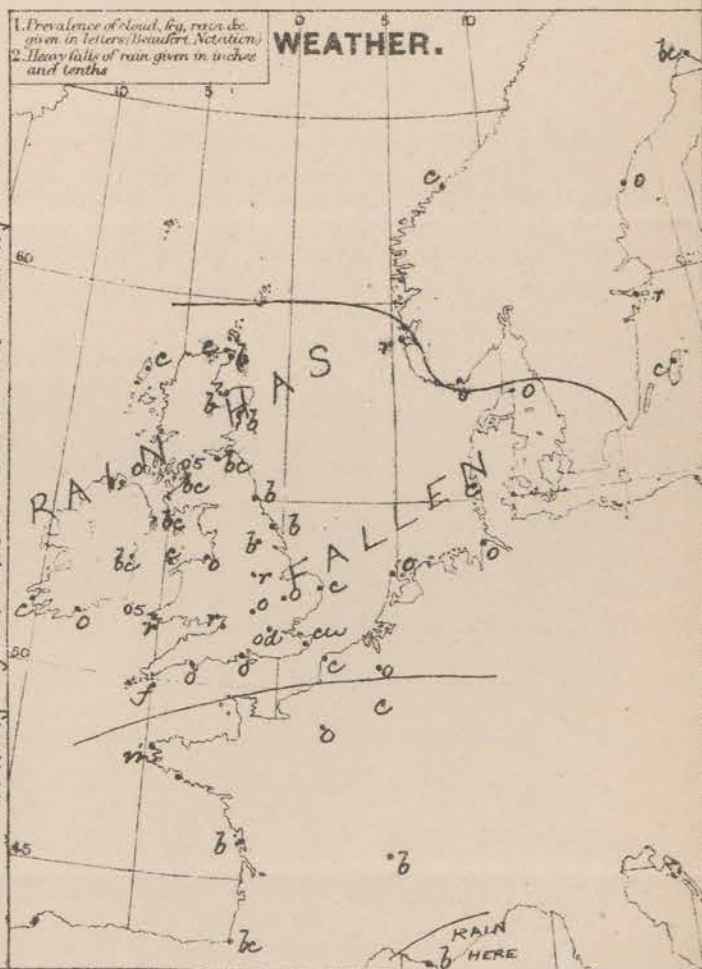


## WEATHER CHARTS

for 8 a.m. on Saturday 2<sup>ND</sup> JUNE 1877.



Notes A dotted line is drawn round these coats on which the warning signals remain hoisted this morning.



REMARKS. During the past twenty four hours the barometer has been very unsteady over our Islands, and especially so along our western coasts. Readings now vary from about 30.3 ins. over the south west of France to 29.12 ins at Stormoway and the mercury appears to be falling again at Valentia. Strong SW winds are now blowing over nearly the whole of North Western Europe. At Stormoway a fresh gale from WSW is reported, and at Valentia the wind has shifted to S, and is blowing a moderate gale this morning. Temperature has fallen several degrees at the south eastern stations but has not changed much elsewhere. In London it did not rise above 59° in the shade all day yesterday. The weather remains extremely dull, showing and unsettled, and the warning signals are still up along our western, southern and south eastern coasts. The sea is rough in the west and south.

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

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

**R. H. SCOTT.**  
Director



# SUMMARY OF WEATHER IN WESTERN EUROPE

from MAY 27<sup>th</sup> to JUNE 2<sup>nd</sup> 1877.

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

The weather during this week has been rather stormy and unsettled. The highest pressure has remained steadily fixed over the S. or S.E. of France, and depressions have passed in quick succession from S.W. to N.E. over our own Coasts. The wind has consequently been S.W. nearly the whole time, and, while generally fresh in force has increased to a fresh gale when an approaching depression has caused a steepening of the gradients. Temperature has not changed much and has been low for the time of year. The sky has been generally cloudy and the weather dull and wet.

MAY 27<sup>th</sup> During the night a rapid fall of the barometer had occurred in the N. and N.W. which had extended though in a less degree to all parts of Western Europe. A large and deep depression lay off the N.W. coast of Scotland and steep gradients existed over the whole country, while an area of high pressure lay over the central departments of France. Light S.E. breezes prevailed at the S.W. French stations, but in the North of that country, as well as over the whole of these Islands and the North Sea, the wind drew into S. and S.W. At the greater number of our stations it was fresh and at the more exposed parts of the coast it was strong in force. The sky was clear over France, but was cloudy elsewhere with wet squally weather. Temperature had changed irregularly. The evening Report showed that the barometer was still falling generally and briskly, while the wind and weather showed no improvement.

MAY 28<sup>th</sup> A further fall of the barometer had occurred in all parts of Western Europe the change considerably exceeding half an inch at all our stations. A still deeper depression had advanced to our N.W. coast while at 8 a.m. the mercury was recovering somewhat at Valentia, where, as well as over the Bay of Biscay the wind had veered to the N.W. Elsewhere the wind continued S. to S.W. and as gradients had still further increased very strong breezes or moderate to fresh gales prevailed generally. Temperature had risen slightly at our S.W. and S.E.W. stations, and considerably in the Netherlands, but otherwise no great change had occurred. The weather remained overcast, wet, and squally. The afternoon and evening observations showed that the depression was moving N.E., so that while the barometer still fell in Scotland over which country the centre lay at 6 a.m., in all other places a brisk recovery was in progress.

MAY 29<sup>th</sup> The depression was still moving slowly N.W. and while a slight decrease was reported from the Scandinavian stations, a recovery had occurred in all other places. In the S. of Ireland, however, the barometer was apparently becoming unsteady again, but the wind both there and in the N. of France continued steadily W., while on most of our other coast it had veered to N.W. On the Eastern shores of the North Sea, however it was still S. to S.W., and though moderating in force at some of our S.W. stations it still blew strongly in most places. Temperature had fallen slightly generally, and the sky was rather cloudy. The barometer remained steady at Valentia all day but elsewhere it rose slightly.

MAY 30<sup>th</sup> The depression of the past two days was apparently filling up, and the barometer continued to rise in all places except North Germany and the E. of France, where a slight decrease was reported. The general situation was unchanged, the highest readings being reported from the Gulf of Lyons and the lowest from the North of Scotland, so that W. to S.W. breezes prevailed over France and these Islands, and S. over Scandinavia. At many places the wind was still fresh in force.

Temperature had risen slightly generally. The weather continued cloudy with showers of rain in the extreme N. A slight decrease of pressure occurred during the afternoon in the West of France,



and at our S.W. stations, where also the wind had backed somewhat, but elsewhere the barometer still rose.

MAY 31<sup>st</sup> The mercury still rose in the N and NE, but at all our more S.W. stations, as well as over the N. and W. of France it had fallen, and a large depression was apparently advancing on our <sup>S.W.</sup> coasts. The wind varied considerably in direction. It continued N.W. over the West of France, and S.W. on the Eastern shores of the North Sea, but over the greater part of these Islands it had backed to SE or E, while in the North of Scotland it had veered to W. Temperature had changed little and irregularly on our coasts, but at most of the Continental stations it had risen, and in North Germany, the weather was becoming very warm. The sky was cloudy except at our N.E. stations and thunder was reported from Nottingham and Donaghadee. Later in the day the fall of the barometer became brisk in the S.W. gradients increased and the wind rose to a moderate gale at the mouth of the Channel.

JUNE 1<sup>st</sup> The fall of the barometer noticed in the S.W. had been caused by the advance of a rather deep depression towards those coasts. Its centre lay at 8 am over Ireland, the Irish Sea and Wales, and a further fall of the barometer had occurred in all parts of these Islands accompanied by a slight rise on the Continent. On most sides of the disturbance gradients were slight, but over the Channel they became very steep, and the wind there blew with the force of a gale. The wind was N.W. in the S. of Ireland, S.W. to S. over England, and SE. to E. in Scotland. The only change of importance in temperature was a further rise over N. Germany. The weather was dull, wet and unsettled. During the day the depression moved slowly N.E. and the barometer rose slowly over Ireland and England, but the wind continued strong in the N.

JUNE 2<sup>nd</sup> The area of low readings was moving slowly away N.W., so that while the barometer was falling somewhat in Scandinavia it was rising in all other places. The former distribution of pressure was again reestablished, the highest readings lying over the S. of France, and the lowest to the N. of these Islands, so that S.W. winds prevailed at all our stations, and S. winds in the N. of Norway. In force they were generally fresh or strong. Temperature had scarcely changed. The weather was clear in the NE, but was cloudy and <sup>wet</sup> elsewhere. The afternoon and evening reports showed that the barometer still rose generally, and the general distribution remained unchanged.

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



# DAILY WEATHER REPORT JUNE 3<sup>rd</sup> 1877.

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	29.73	50	Z	0	o	29.54	-.39	44	?	+ 3	SE	2	20	*	*	*	0.08	
Hernösand	29.59	41	S	2	N	29.69	-.10	54	?	+ 8	W	2	60	*	*	*	0.32	
Stockholm	29.73	52	WSW	4	c	29.91	+1.2	53	50	+ 1	SW	4	0	*	*	*	0.16	
Wisby	29.88	53	SW	6	e	?	?	56	54	- 2	WSW	4	60	*	*	*	0.16	
Christiansund	29.44	51	WSW	7	b	29.46	+2.1	54	46	- 5	S	4	N	2	55	46	-	
Skudesnaes	29.67	49	S	6	o	29.73	+3.5	49	48	+ 1	S	6	10	5	52	48	0.24	
Oxö (Xtiansand)	29.78	49	SSW	5	c	29.82	+2.7	49	48	- 1	SSW	4	0	3	52	46	-	
Skagen (The Sæw)	29.86	50	WSW	3	c	29.92	+2.3	52	51	0	SW	3	0	2	57	46	0.24	
Fanö	29.91	54	SW	6	o	29.96	+2.2	61	58	+ 6	SW	4	c	*	61	52	0.08	
Cuxhaven	30.01	?	SW	3	e	30.08	+1.2	65	60	+ 6	SSW	3	L	*	?	52	-	
Sumburgh Head																		
Stornoway	29.29	50	SW	8	b c	29.22	+1.0	47	47	- 2	S	6	L	5	53	44	0.73	
Thurso	29.30	56	SW	3	b c	29.42	+2.8	50	48	- 3	SSE	2	N	2	62	43	0.04	
Wick	29.37	52	S	5	c	29.38	+2.1	52	49	0	S	4	0	3	57	47	0.02	
Nairn	29.36	54	SW	5	L	29.38	+1.6	58	52	+ 5	S	4	0	2	62	49	-	
Aberdeen	29.43	54	S	4	c	29.51	+2.3	53	50	0	S	3	0	2	61	47	-	
Leith	29.47	54	WSW	5	o	29.52	+ .5	56	52	+ 3	WSW	5	c	*	63	51	0.09	
Shields	29.65	59	SW	6	e	29.66	+ .4	56	52	0	SW	2	0	1	64	54	-	
York	29.70	59	SW	5	o	29.75	+ .7	58	53	+ 3	S	3	L c	*	61	50	0.01	
Scarborough	29.57	67	SSE	4	b	29.70	+1.1	63	58	+ 7	SW	1	c	2	75	55	-	
Nottingham	29.78	58	S	6	o	29.76	+0.4	63	57	+ 8	S	4	L	*	70	50	0.04	
Ardrossan	29.47	54	SSW	5	o	29.49	+0.6	58	50	+ 2	S	6	0	6	58	51	0.22	
Greencastle	29.40	53	SW	3	c	29.27	-0.8	55	52	+ 4	S	5	0	*	58	49	0.11	
Donaghadee	29.51	52	SW	4	o	29.41	+0.4	52	50	- 1	S	7	c	5	62	49	0.21	
Kingstown	29.57	59	SW	4	c	29.50	-0.4	55	51	0	S	4	0	4	60	54	-	
Holyhead	29.64	54	SSW	6	m	29.60	+0.2	55	52	+ 1	SSW	6	c	5	56	52	0.03	
Liverpool (Bidston)	29.68	57	SSW	2	o	29.68	+0.8	56	51	+ 2	SSE	1	c	1	59	53	-	
Valencia	29.82	53	SSW	5	o	29.29	-2.0	55	54	+ 1	S	8	N	7	56	50	0.50	
Roche's Point	29.51	54	SW	5	N	29.46	-1.2	54	54	0	S	7	N	5	58	52	0.48	
Pembroke	29.74	54	SW	5	o	29.63	-0.1	54	52	+ 2	SSE	5	c	4	55	51	0.03	
Portishead	29.84	58	SSW	5	o	29.73	-0.3	63	57	+ 9	S	5	L	3	64	50	-	
Scilly																		
Plymouth	29.89	55	SSW	5	o	29.71	-0.9	60	55	+ 7	S	4	L	*	61	51	-	
Hurst Castle	29.95	57	SW	5	o	29.79	-1.0	58	58	+ 2	SE	5	L	5	58	51	-	
Dover	30.00	54	WSW	4	b c	29.90	-0.4	65	58	+ 11	SSW	2	L	2	65	51	-	
London	29.95	59	SW	2	o	29.83	-0.3	69	60	+ 14	S	4	L	*	68	46	-	
Oxford	*	*	*	*	*	29.78	0.0	62	59	+ 7	S	4	L	*	62	47	-	
Cambridge	29.87	61	SSW	4	c	29.83	+0.2	64	60	+ 10	S	2	L	*	64	47	0.01	
Yarmouth	29.88	60	SW	3	b c	29.88	+0.9	56	54	0	SSE	4	L	2	61	51	-	
The Helder	*	*	*	*	*	29.99	+1.4	60	57	+ 4	SSE	4	L	*	*	*	-	
Cape Gris Nez	30.02	57	SW	4	o	29.97	0.0	66	59	+ 11	S	3	L	2	?	52	-	
Brest	30.02	59	SSW	4	b	29.75	+2.6	61	55	+ 6	S	3	L	5	?	52	-	
L'Orient	30.07	57	SW	3	b	29.78	-3.6	?	57	?	SE	4	L	4	63	50	-	
Rochefort	30.01	68	NE	1	b	29.82	-3.5	60	66	+ 7	SSE	5	L c	4	79	52	-	
Biarritz	29.93	75	N	3	b c	29.82	-3.1	79	75	+ 20	S	3	c	3	86	57	-	
Corunna	*	*	*	*	*	29.86	-3.0	64	*	- 2	Z	0	L	2	*	*	*	
Brussels	*	*	*	*	*	30.01	?	61	*	+ 7	SW	?	L	*	*	*	-	
Charleville	*	*	*	*	*	29.93	-1.4	62	*	+ 7	SE	1	c	*	*	*	?	
Paris	30.08	68	SW	3	b c	29.95	-2.0	66	*	+ 11	ESE	3	L	*	*	*	*	
Lyons	*	*	*	*	*	30.08	-2.1	62	*	+ 1	SE	2	L	*	*	*	*	
Toulon	30.10	64	WSW	4	b c	30.13	-0.0	64	59	+ 7	E	3	L	4	77	57	-	

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

	Bar.	Dry.	Wet.	Wind.	Wop.	Sea.		Bar.	Dry.	Wet.	Wind.	Wop.	Sea.
Skudesnaes	29.61	52	49	S	6	L 8	Valencia	29.53	52	51	SW	5	N 9
Thurso	29.28	59	50	WSW	4	L c	Scilly						
Scarborough	29.66	61	56	SW	6	c	London	29.92	58	56	SW	3	0
Greencastle	29.37	57	50	SW	3	o	Rochefort	30.11	78	63	N	1	L
Holyhead	29.61	52	52	SSW	4	m							

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 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.

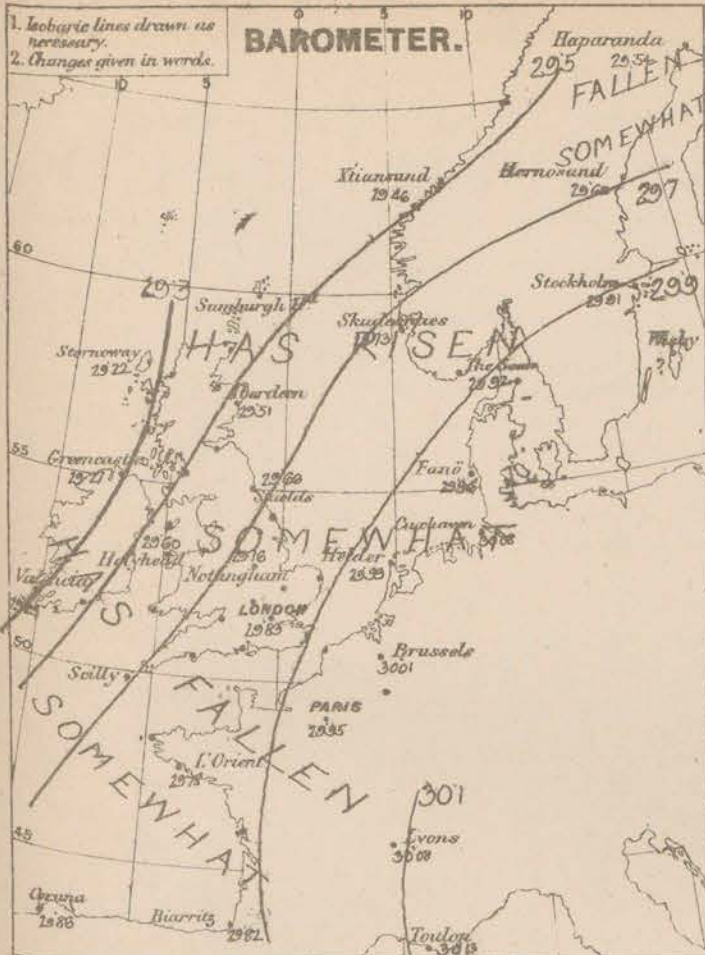
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



WEATHER CHARTS *for 8 a.m. on, Sunday 3<sup>RD</sup> JUNE 1877.*

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

**BAROMETER.**



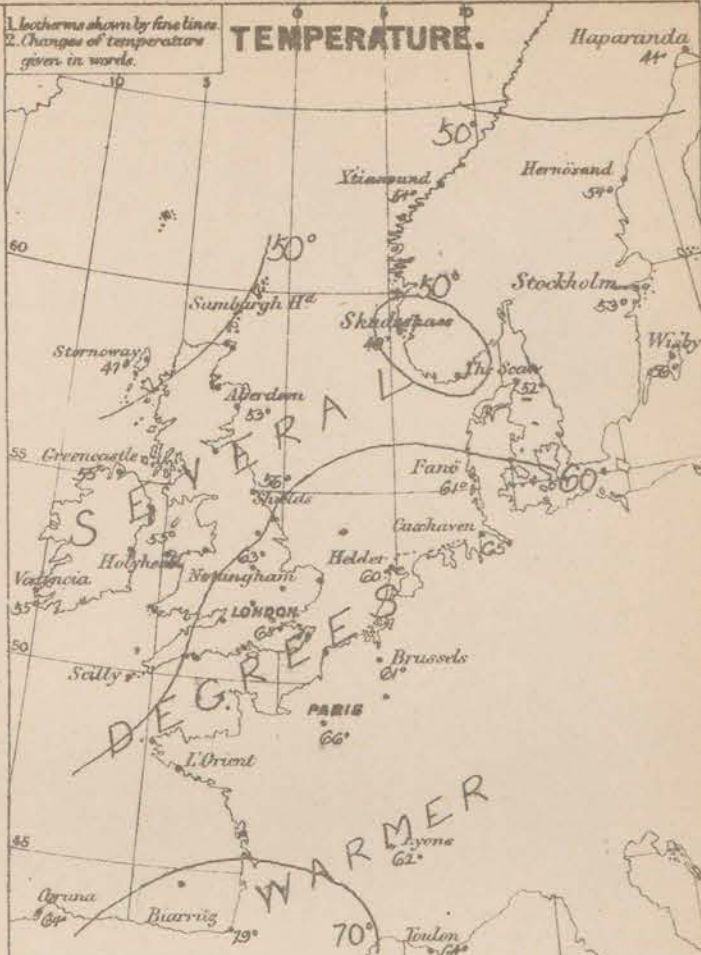
Arrows fly with the wind.  
Force 0 to 1 - 0 Force 5 to 10 -  $\rightarrow$   
3, 4  $\rightarrow$  above 10  $\rightarrow$   
5, 7  $\rightarrow$   
Dark curved arrow shows ap-  
parent general motion of air.  
Sea disturbance  $\left[ \begin{array}{l} \text{rough} \\ \text{high} \end{array} \right]$   
in shading

WIND & SEA.



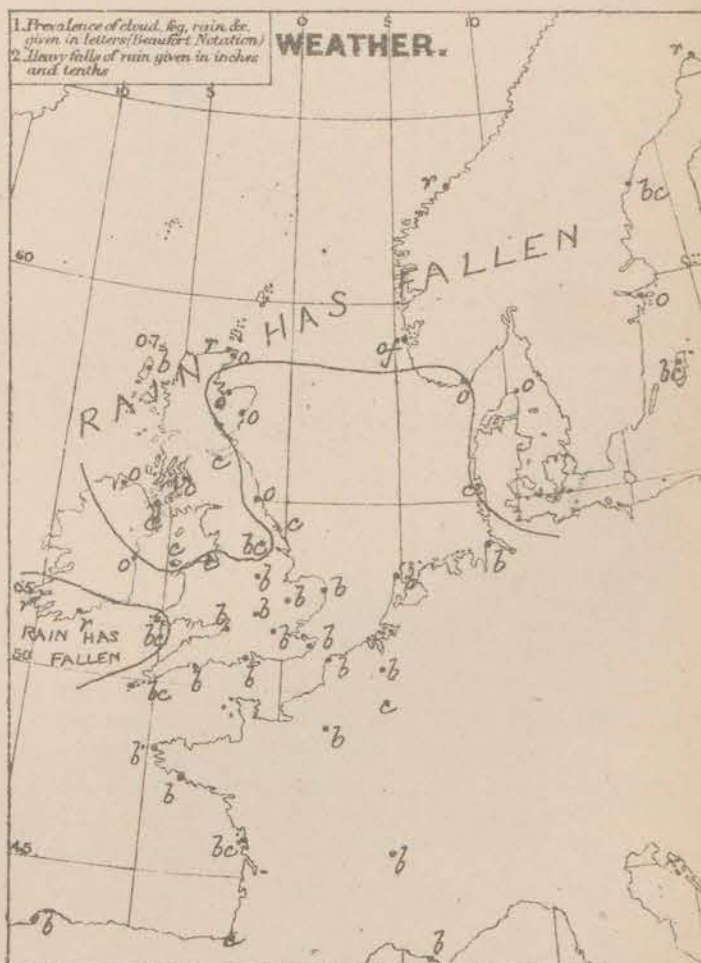
1. Isotherms shown by fine lines.  
2. Changes of temperature given in words.

TEMPERATURE.



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

**WEATHER.**



REMARKS. The barometer is still very unsteady over these Islands and their neighbourhood, and the changes which have been recently, and are at present taking place appear to be due to the passage of several atmospheric disturbances in a N<sup>o</sup> direction just outside our western coasts. One of these depressions, which has to the N<sup>o</sup> of Ireland ~~retained~~ <sup>remains</sup>, passed away during the day but this morning's chart shows that another one is approaching, as the barometer has fallen rather quickly over the south of Ireland, while the wind has backed to the S<sup>o</sup> very generally, and freshened considerably in the west. Our eastern coasts are, however, not yet affected by the new disturbance and the mercury still rises there, while the winds continue light or moderate in force. Temperature has risen in nearly all places, and is now rather high in the vicinity of the metropolis. The weather has improved very much on our southern and south-eastern coasts, but is extremely dull in the west and north, while rain has set in in the south of Ireland.

The sea is rather rough at all the western and southern stations.

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

R. H. SCOTT.  
Director.



## DAILY WEATHER REPORT

JUNE 4<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 p.m. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.66	40	W	2	C	29.80	+2.6	68	64	+4	SW	2	b	*	*	*	0.16		
Hernösand ...	29.78	56	Z	0	C	29.83	+2.4	56	51	+2	SW	2	C	*	*	*	-		
Stockholm ...	29.95	60	WSW	4	C	30.01	+1.0	66	57	+13	SW	4	b-lc	*	*	*	-		
Wisby ...	30.08	54	SW	4	b	30.08	?	63	56	+7	SW	4	b	*	*	*	-		
Christiansund ...	29.60	51	ESE	2	0	29.46	-0.0	63	52	+9	SSE	4	b	2	?	46	1.30		
Skudesnaes ...	29.74	52	SSE	6	0	29.67	-0.6	58	54	+9	SSE	8	c-g	6	?	?	-		
Oxö (Klansand) ...	29.92	53	SW	2	b	29.82	-0.0	53	51	+4	NE	4	b	3	54	46	-		
Skagen (The Skaw) ...	30.00	53	SSE	2	b	29.87	-0.5	55	52	+3	S	4	b	3	68	43	-		
Fanö ...	29.87	60	SE	4	b	29.82	-1.4	69	68	+8	SW	4	b	*	70	57	-		
Cuxhaven ...	29.97	?	S	1	b	29.88	-2.0	76	68	+11	SSE	1	b	*	*	57	-		
Sumburgh Head ...																			
Stornoway ...	29.25	49	SW	6	N	29.45	+2.3	51	50	+4	SW	7	C	2.6	53	45	0.18		
Thurso ...	29.28	61	S	6	C	29.51	+2.9	57	49	+7	S	2	b	2	64	43	0.04		
Wick ...	29.33	58	SSW	2	C	29.54	+1.6	54	48	+2	SW	3	b	3	59	44	-		
Nairn ...	29.33	63	SW	4	C	29.55	+1.7	54	47	-4	SW	3	b	2	66	49	0.05		
Aberdeen ...	29.41	57	S	4	b	29.59	+0.8	56	50	+3	S	3	b	2	61	51	-		
Leith ...	29.44	63	SW	6	C	29.64	+1.2	55	51	-1	SW	2	b-c	*	67	49	0.01		
Shields ...	29.50	73	SSW	5	b-c	29.67	+0.1	61	57	+5	SSW	4	C	1	74	56	-		
York ...	29.57	75	S	3	b	29.71	-0.4	62	57	+4	S	2	C	*	77	53	-		
Scarborough ...	29.68	59	SW	3	0	29.74	+0.4	58	54	-5	S	4	C	3	62	51	0.01		
Nottingham ...	29.62	73	SSW	4	b	29.75	-0.1	63	59	0	SSW	3	a	*	77	51	-		
Ardrossan ...	29.43	52	SSW	4	N	29.64	+1.5	51	48	-2	SSW	3	b-c	3	55	47	0.37		
Greencastle ...	29.34	52	W	1	0	29.59	+3.2	52	49	-3	SW	1	0	*	56	44	0.12		
Donaghadee ...	29.43	53	S	7	N	29.66	+2.5	53	51	+1	S	4	b-c	4	54	43	0.16		
Kingstown ...	29.47	56	SSE	6	0	29.67	+1.7	52	48	-3	E	1	C	2	57	49	0.01		
Holyhead ...	29.54	57	SSW	6	0	29.67	+0.7	54	53	-1	S	1	m	0	65	54	0.27		
Liverpool (Bidston) ...	29.52	73	SSW	2	b	29.71	+0.3	55	53	-1	WNW	1	0	1	76	54	-		
Valencia ...	29.50	55	SW	4	b-c	29.63	+3.4	53	51	-2	SSE	3	0-g	4	57	49	0.14		
Roche's Point ...	29.50	55	WSW	5	C	29.67	+2.1	54	52	0	S	2	0	3	58	48	0.54		
Pembroke ...	29.57	55	S	5	0	29.68	+0.5	54	52	0	Z	0	0	3	58	51	0.07		
Portishead ...	29.63	70	SSW	3	b	29.71	-0.2	63	59	0	SW	2	C	2	76	50	-		
Scilly ...																			
Plymouth ...	29.69	58	S	3	0	29.69	-0.2	59	57	-1	SE	3	0	*	67	55	-		
Hurst Castle ...	29.70	64	SW	3	b	29.75	-0.4	58	58	0	E	2	b-c	2	66	50	-		
Dover ...	29.74	68	ESE	3	C	29.79	-1.1	57	56	-2	NW	2	C-N	0	70	57	0.35		
London ...	29.69	77	S	5	b	29.79	-0.4	61	56	-7	SSE	2	b	*	80	52	-		
Oxford ...	*	*	*	*	*	29.75	-0.3	62	60	0	S	1	C	*	77	50	-		
Cambridge ...	29.69	75	S	3	b	29.78	-0.5	61	58	-3	S	1	b	*	79	51	-		
Yarmouth ...	29.76	60	SSE	3	b	29.80	-0.8	64	59	+8	WSW	1	b-c	2	67	55	-		
The Helder ...	*	*	*	*	*	29.80	-1.9	73	64	+13	S	2	b	*	*	*	-		
Cape Gris Nez ...	29.76	79	S	3	b	29.82	-1.5	61	59	-5	S	1	C	0	84	57	0.12		
Brest ...	29.80	63	SSW	2	b	29.71	-0.4	57	55	-4	ESE	3	0	4	81	54	-		
L'Orient ...	29.82	59	W	3	b	29.71	-0.7	59	55	?	SE	3	b-c	4	66	52	-		
Rochefort ...	29.77	75	S	3	b-c	29.75	-0.7	66	61	-2	SSE	4	C	3	82	54	-		
Biarritz ...	29.64	82	SSE	4	0	29.74	-0.8	73	64	-6	SSW	2	0	4	91	70	-		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.83	-1.8	70	*	+9	SSE	1	b-c	*	*	*	-		
Charleville ...	*	*	*	*	*	29.85	-0.8	71	*	+9	E	3	b	*	*	*	-		
Paris ...	29.82	76	S	3	b-c	29.86	-0.9	73	*	+7	SSE	3	C	*	*	*	-		
Lyons ...	*	*	*	*	*	30.22	+0.2	69	*	+7	SE	2	C	*	*	*	-		
Toulon ...	30.07	72	E	3	b	30.02	-1.1	66	?	+2	E	4	0	3	75	64	-		

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.76	53	50	SSE	8	0	6	Valencia ...			
Thurso ...								Scilly ...			
Scarborough ...								London ...			*
Greencastle ...						*		Rochefort ...	29.79	82	70
Holyhead ...											3

## EXPLANATION OF COLUMNS.

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

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

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

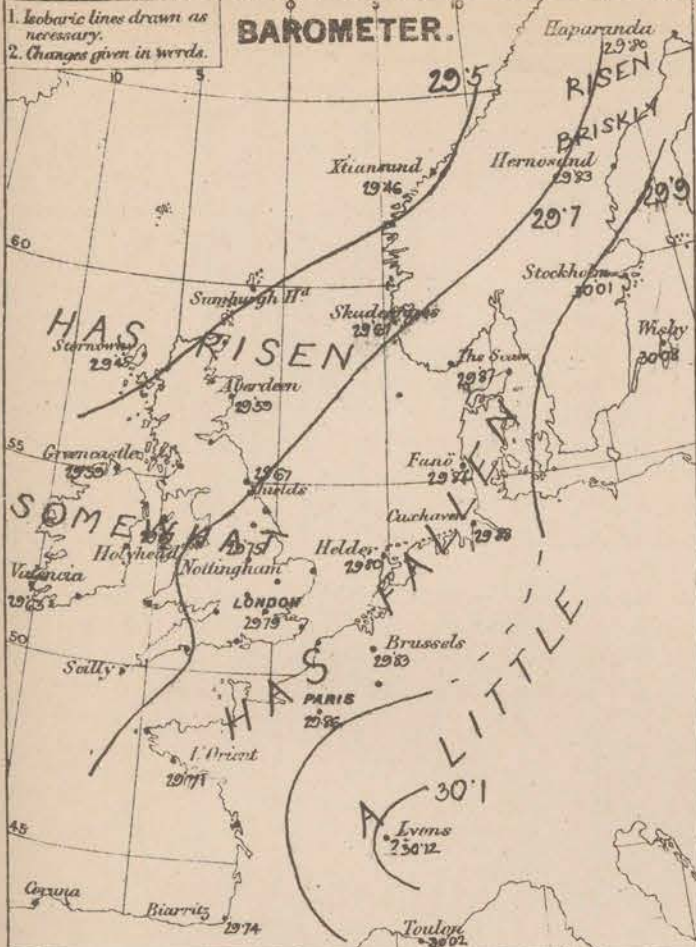
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



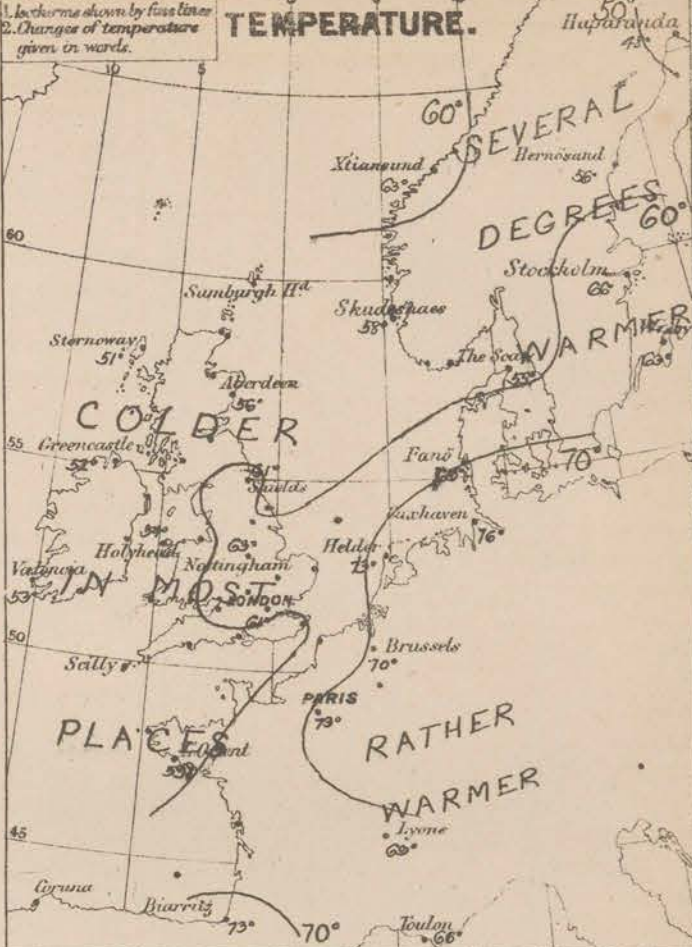
## WEATHER CHARTS

for 8 a.m. on Monday 4<sup>TH</sup> JUNE 1877.

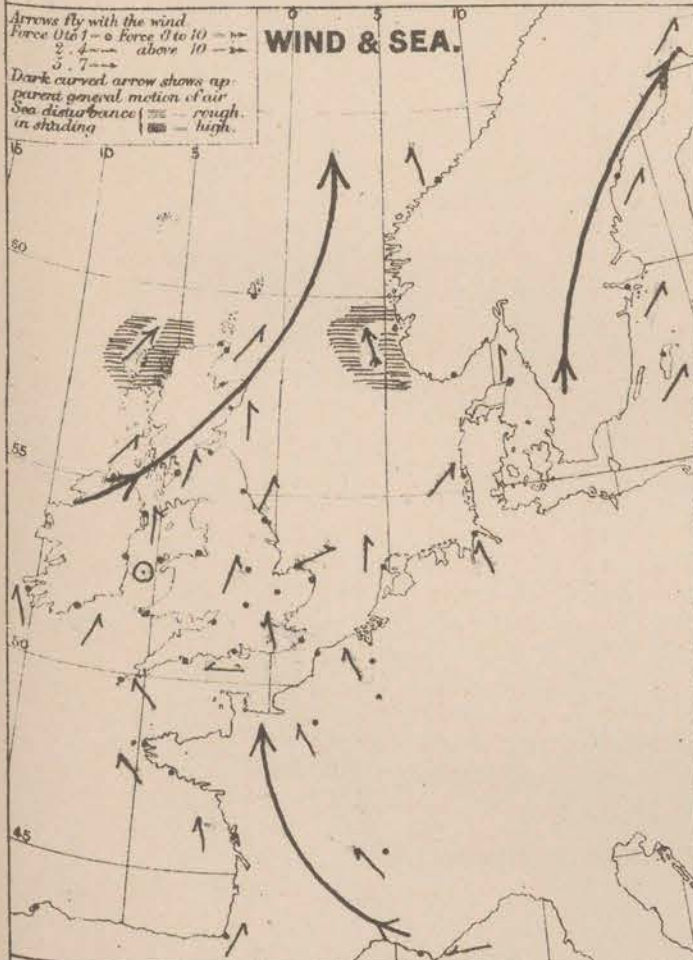
## BAROMETER.



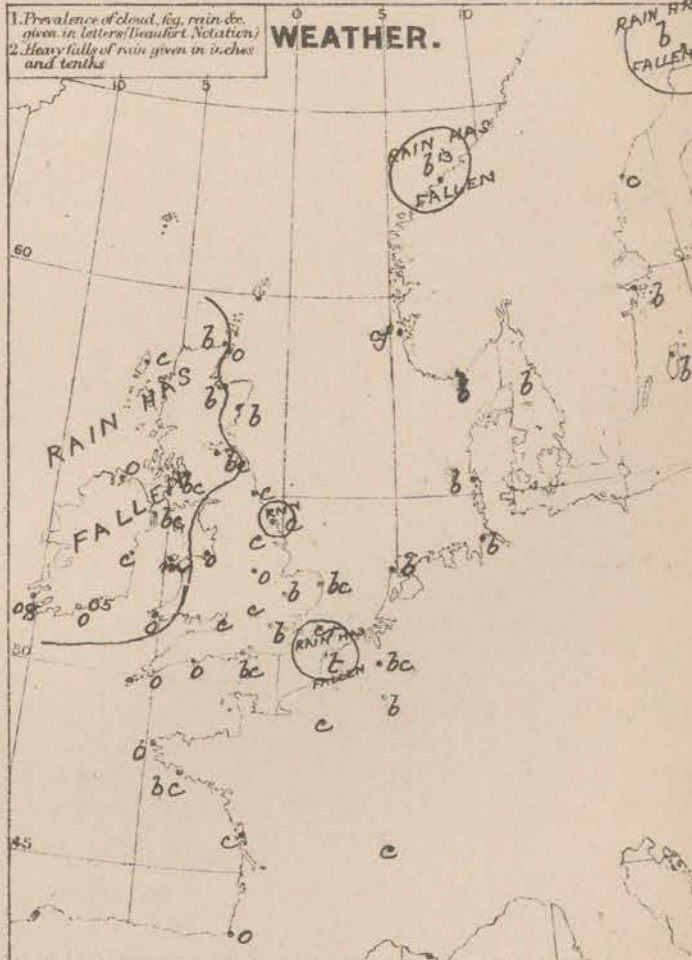
## TEMPERATURE.



## WIND & SEA.



## WEATHER.



REMARKS. During Saturday night and yesterday a slight depression passed from SW to NE just outside our western coasts, causing the barometer to fall somewhat, the wind to freshen, and the sky to become cloudy in the west. This disturbance has, however, now disappeared, and the mercury is rising this morning in all parts of Western Europe except North Germany and Denmark. The highest pressures are reported from the Baltic, so that light SE<sup>ly</sup> breezes are experienced over France and the Channel, whilst they are moderate S<sup>ly</sup> to SW<sup>ly</sup> on our more northern coasts. Temperature rose generally yesterday, and the weather was warm, particularly in the south-east, where the thermometer rose to about 80° during the day. This morning a slight decrease is reported from most of our stations and the west of France but in the north-east of that country and in the Netherlands the thermometer still rises; the change since Saturday amounting to about 18°. The sky is cloudy except in the south-east and east, and blunder is reported from Cape Gris Nez. The sea is slight to smooth.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 17/- per quarter, book post 5/- per quarter.

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

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



# DAILY WEATHER REPORT JUNE 5<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 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 ...	29.82	45	S	2	C	29.81	+ .01	45	42	- 3	S	2	bc	*	*	*	-	
Hernösand ...	29.75	52	SSW	2	C	29.86	+ .08	66	58	+ 10	Z	0	b	*	*	*	-	
Stockholm ...	29.92	62	S	4	bc	30.00	- .01	74	68	+ 8	Z	0	b	*	*	*	-	
Wishby ...	30.01	61	S	4	b	30.04	- .04	65	60	+ 2	SW	4	b	*	*	*	-	
Christiansund ...	29.71	?	ESE	1	b	29.86	+ .40	52	48	- 14	NE	1	b	3	64	43	-	
Skudesnaes ...	29.82	51	SSW	2	o	29.72	+ .05	60	54	+ 2	ENE	4	C	3	?	?	-	
Oxö (Xtiansand) ...	29.84	55	SSW	2	C	29.87	+ .05	55	54	+ 2	NE	2	o	2	61	48	-	
Skagen (The Seaw) ...	29.87	57	SSW	2	b	29.91	+ .04	57	54	+ 2	SSE	3	bc	1	66	50	-	
Fanö ...	29.84	68	Z	0	o	29.79	- .03	75	68	+ 6	SSE	4	b	*	75	63	-	
Cuxhaven ...	29.93	8	S	1	b	29.86	- .02	80	72	+ 4	S	1	b	*	8	66	-	
Sumburgh Head ...																		
Stornoway ...	29.61	54	SW	5	C	29.26	- .19	53	53	+ 2	S	5	bcw	5	57	47	0.41	
Thurso ...	29.67	54	NNE	1	o	29.31	- .20	52	51	- 5	SSE	3	o	2	57	49	0.03	
Wick ...	29.68	54	S	2	o	29.31	- .23	50	50	- 4	S	2	o	2	65	48	0.10	
Nairn ...	29.63	62	SW	2	b	29.37	- .18	60	55	+ 6	S	2	bc	1	65	52	0.12	
Aberdeen ...	29.68	55	S	3	o	29.39	- .20	55	53	- 1	S	2	C	2	61	50	0.52	
Leith ...	29.68	57	E	1	r	29.39	- .25	60	54	+ 5	S	4	bc	*	69	50	0.16	
Shields ...	29.68	55	E	1	bc	29.54	- .13	58	54	- 3	SSW	6	C	1	62	56	-	
York ...	29.67	69	SE	2	C	29.69	- .02	57	52	- 5	SW	4	o	*	75	53	-	
Scarborough ...	29.69	53	SE	2	bc	29.67	- .07	58	52	o	SW	5	C	2	71	52	0.02	
Nottingham ...	29.65	74	SSE	2	bc	29.75	0.00	57	53	- 6	S	7	o	*	79	52	-	
Ardrossan ...	29.68	53	NW	1	r	29.34	- .30	53	51	+ 2	SE	4	r	4	56	51	0.20	
Greencastle ...	29.60	54	S	2	r	29.32	- .27	52	51	o	N	2	r	*	61	46	0.39	
Donaghadee ...	29.66	52	SSW	3	r	29.41	- .25	53	52	o	N	6	b	4	55	48	0.28	
Kingstown ...	29.58	52	N	1	o	29.56	- .04	54	51	+ 2	N	6	bc	5	57	51	0.11	
Holyhead ...	29.58	57	N	2	C	29.60	- .07	53	51	- 1	SW	7	o	5	61	52	0.02	
Liverpool (Hidston) ...	29.58	71	ESE	2	C	29.61	- .10	55	51	o	SW	7	r	4	71	54	0.01	
Valencia ...	29.58	50	NE	6	*	29.69	+ .06	53	50	o	SSW	5	bc	5	55	48	0.66	
Roche's Point ...	29.58	54	ESE	6	o	29.75	+ .08	53	49	- 1	WSW	5	bc	5	58	47	0.28	
Pembroke ...	29.53	59	SE	5	o	29.77	+ .09	54	51	o	WSW	7	b	4	63	51	-	
Portishead ...	29.60	71	SSW	5	o	29.54	+ .13	56	53	- 7	SW	5	C	4	76	51	-	
Seilly ...																		
Plymouth ...	29.65	59	S	4	bc	29.91	+ .22	58	58	- 1	SW	5	b	*	68	53	-	
Hurst Castle ...	29.65	68	S	4	b	29.93	+ .18	56	54	- 2	WSW	5	b	5	69	53	-	
Dover ...	29.72	71	Z	0	b	29.96	+ .17	56	54	- 1	SW	5	bc	4	72	54	0.02	
London ...	29.68	82	SSE	2	bc	29.91	+ .12	57	52	- 4	SW	4	o	*	82	53	-	
Oxford ...	*	*	*	*	*	29.85	+ .10	58	57	- 4	SW	3	o	*	78	53	-	
Cambridge ...	29.66	74	SSE	1	C	29.87	+ .09	59	54	- 2	SSW	3	o	*	78	52	0.01	
Yarmouth ...	29.75	59	SE	1	b	29.86	+ .06	59	55	- 5	SW	4	bcy	3	66	53	0.04	
The Helder ...	*	*	*	*	*	29.85	+ .05	63	57	- 10	WSW	2	bc	*	*	*	-	
Cape Gris Nez ...	29.74	79	S	1	bc	29.99	+ .17	55	54	- 6	SSW	4	C	5	84	52	-	
Brest ...																		
L'Orient ...																		
Rocheport ...	29.87	68	N	6	b	30.12	+ .37	59	55	- 7	NNW	4	o	5	82	50	-	
Biarritz ...	29.95	75	NNW	4	C	30.17	+ .43	54	52	- 19	NNW	3	r	4	88	50	0.16	
Corunna ...	*	*	*	*	*	30.01	+ .30	63	*	o	SW	3	C	7	*	*	*	
Brussels ...	*	*	*	*	*	29.97	+ .14	60	*	- 10	Z	0	o	*	*	*	-	
Charleville ...	*	*	*	*	*	29.91	+ .06	63	*	- 8	NN	6	o	*	*	*	*	
Paris ...	29.79	78	SE	3	b	30.07	+ .21	56	*	- 17	N	3	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.16	- .04	71	*	+ 2	SE	2	C	*	*	*	*	
Toulon ...	30.05	70	E		C	30.04	+ .04	70	59	+ 4	E	3	o	3	75	55	-	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.78	55	52	S	4	f	4	Valencia .....	29.56	52	50	NE	2	tg	3
Thurso .....	29.61	59	52	SSW	1	c	1	Scilly .....							
Scarborough ...	29.73	57	54	SSE	2	o	2	London .....	29.72	77	67	SE	2	bc	*
Greencastle ...	29.61	58	53	S	2	o	*	Rocheport ...	29.76	79	69	SSE	4	bc	3
Holyhead .....	29.67	57	50	E	2	m	1								

*Pressure is decreasing slightly in the South, but is little changed elsewhere. At Valencia the wind has backed to NE. with rain and a very gloomy appearance.*

## EXPLANATION OF COLUMNS.

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

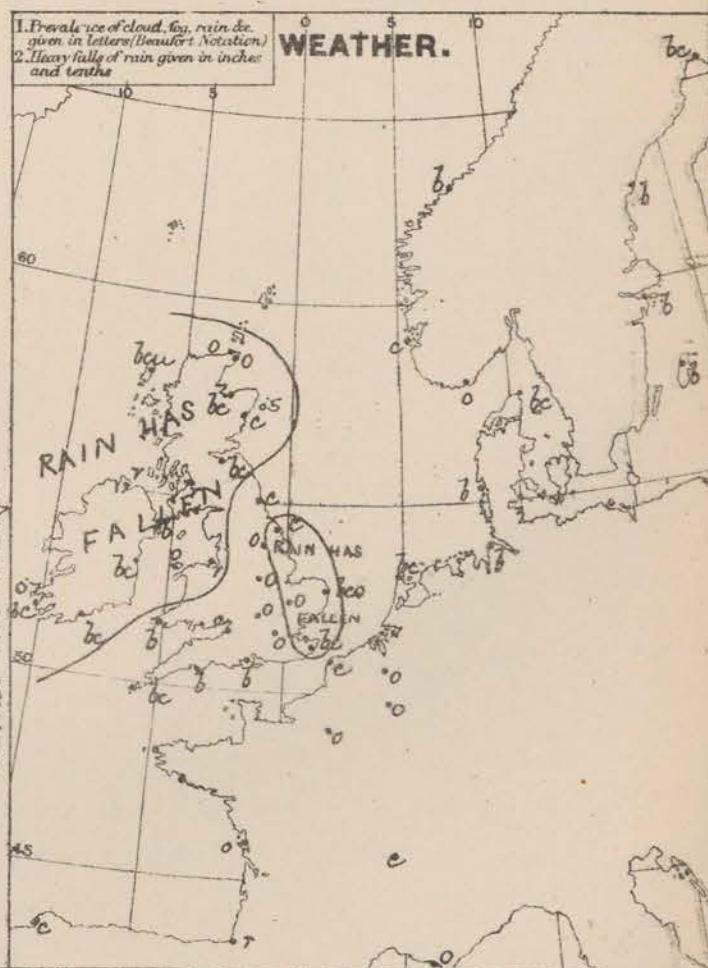
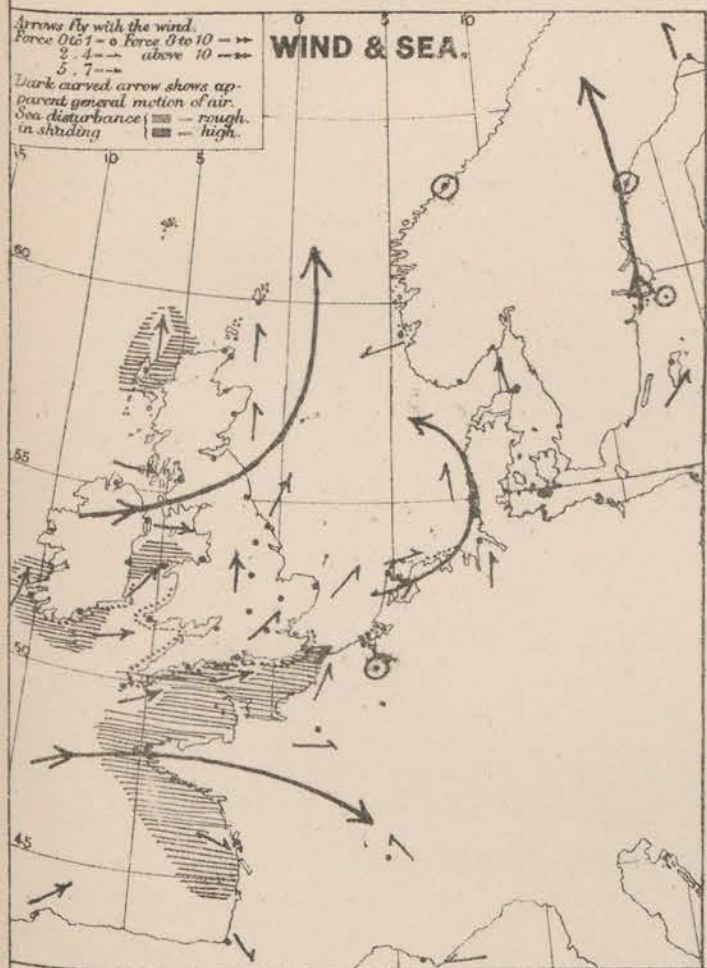
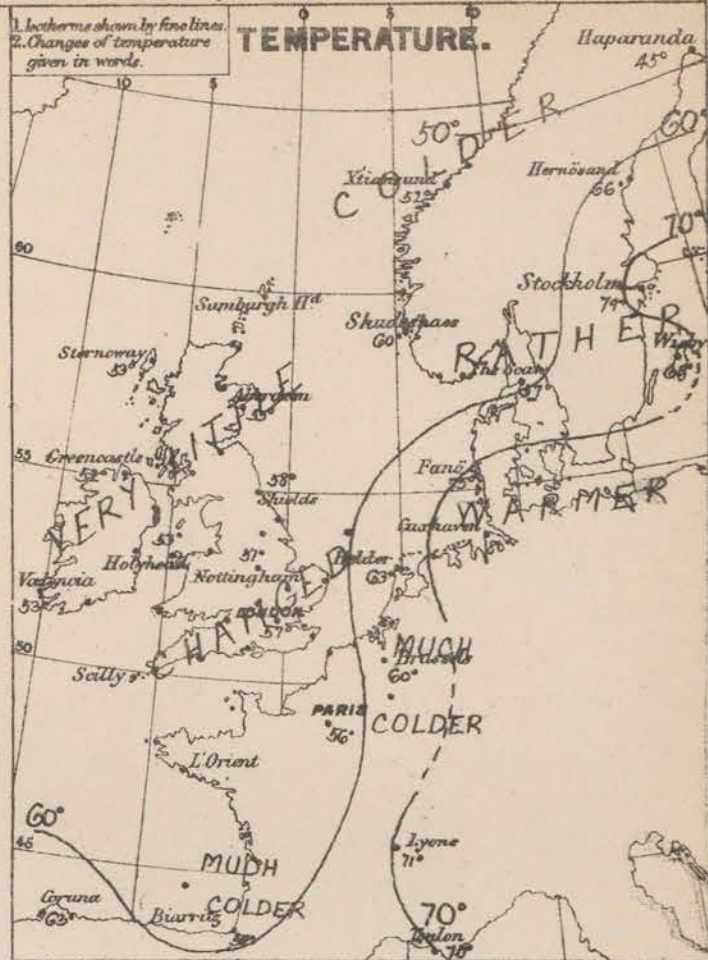
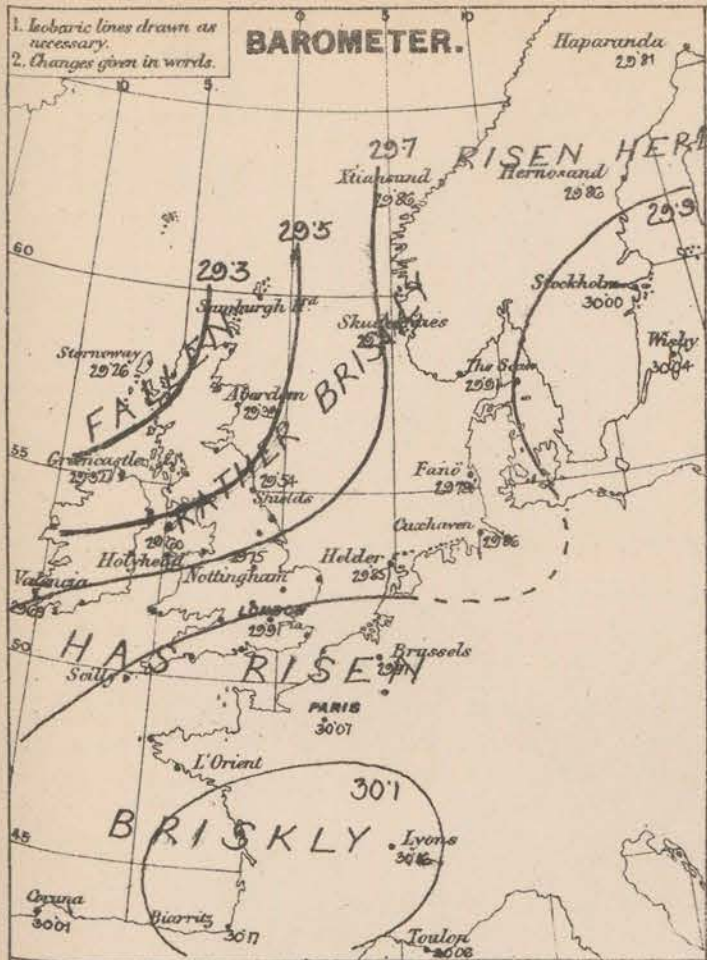
\* AN ASTERISK is inserted in all places for which information is not usually received.

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

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



# WEATHER CHARTS for 8 a.m. on Tuesday 5<sup>th</sup> JUNE 1877.



**REMARKS.** The barometer fell briskly during last night as a rather deep depression travelled from SW to NE over our western stations, and the wind at the same time increased to a fresh or hard gale in the St. George's and Bristol Channels. This morning the disturbance has disappeared, and the barometer is rising exceedingly quickly in the south west, and to a less extent in all other places except Scotland, where a slight decrease is still reported. Gradients have become rather steep, and the wind is very strong from W. to SW. over England and Ireland and light from S. in Scotland. Over the Bay of Biscay the wind is moderate from WNW, and in the west of Norway from NE or ENE. Temperature has changed irregularly but in the south of England it has decreased slightly and in the Netherlands and north of France very quickly. Small thunderstorm depressions appears to have passed across the southern counties last night, and thunder and lightning have occurred over the whole country. The weather is now rather cloudy and equally generally except in Sweden and North Germany, where the sky is clear and the thermometer exceedingly high. The sea is rough in the west and south, slight elsewhere. Warnings were issued to our south and south west coasts last evening.

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

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

R. H. SCOTT.  
Director.



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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force, (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...	29.63	?	N	4	o	29.89	+ .03	?	?	?	SSE	1	zw	4	66	43	-	
Skudesnaes ...	29.88	?	SSE	?	?	29.99	+ .27	54	52	- 6	SSE	2	cf	3	61	50	-	
Oxö (Xtiansand) ...	29.92	53	SW	6	c	30.03	+ .16	52	51	- 3	SW	4	c	2	59	48	-	
Skagen (The Seaw.) ...	29.95	53	NW	4	bc	30.04	+ .13	58	53	+ 1	NW	2	f	1	70	50	-	
Fanö ...	30.03	56	N	4	bc	30.03	+ .24	65	59	- 10	NW	2	bc	*	81	54	-	
Cuxhaven ...	30.07	*	NW	5	o	30.10	+ .24	63	61	- 17	N	1	c	*	*	57	-	
Sumburgh Head ...																		
Stornoway ...	29.53	55	SW	6	c	29.60	+ .34	52	51	- 1	SW	5	bc	5	57	48	0.26	
Thurso ...	29.61	58	NW	5	bc	29.63	+ .32	54	50	+ 2	S	5	o	3	65	50	0.03	
Wick ...	29.65	57	SW	2	bc	29.67	+ .36	52	50	+ 2	S	3	o	2	63	48	-	
Nairn ...	29.63	59	S	3	f	29.64	+ .27	60	53	o	S	4	c	1	62	54	-	
Aberdeen ...	29.69	61	SW	3	bc	29.75	+ .36	53	50	- 2	S	4	bc	2	64	49	0.02	
Leith ...	29.74	60	NW	4	bc	29.73	+ .34	56	53	- 4	SW	2	c	*	69	52	-	
Shields ...	29.86	59	NW	5	bc	29.85	+ .31	57	54	- 1	SW	5	c	2	62	49	-	
York ...	29.92	61	NW	4	bc	29.92	+ .23	59	57	+ 2	SW	3	o	*	63	46	-	
Scarborough ...	29.89	62	NW	2	bc	29.91	+ .24	58	53	o	SW	2	bc	2	64	49	-	
Nottingham ...	29.97	60	SW	3	bc	29.96	+ .21	56	53	- 1	S	4	o	*	67	44	-	
Ardrossan ...	29.73	56	SW	4	bc	29.69	+ .35	53	51	o	S	4	f	4	59	52	0.13	
Greencastle ...	29.64	55	S	1	o	29.64	+ .32	49	48	- 3	S	1	f	*	60	47	0.14	
Donaghadee ...	29.73	54	SW	5	c	29.67	+ .26	52	52	- 1	SW	6	f	4	61	51	0.19	
Kingstown ...	29.80	58	S	3	c	29.70	+ .14	55	52	+ 1	S	4	f	3	60	52	0.02	
Holyhead ...	29.86	57	SW	5	bc	29.76	+ .16	53	53	o	SW	4	f	3	59	52	0.12	
Liverpool (Bidston) ...	29.91	59	SW	3	bc	29.83	+ .22	55	52	o	SE	3	o	2	61	50	0.02	
Valencia ...	29.64	54	SW	7	f	29.74	+ .05	54	47	+ 1	N	3	bc	5	56	47	0.28	
Roche's Point... ..	29.79	54	SW	6	f	29.69	- .06	50	49	- 3	NW	5	f	4	58	49	0.94	
Pembroke ...	29.92	54	SW	5	c	29.80	+ .03	53	52	- 1	S	5	o	4	57	51	0.06	
Portishead ...	29.99	58	NW	3	bc	29.97	+ .13	53	52	- 3	SSE	6	fzw	4	63	49	0.02	
Scilly ...																		
Plymouth ...	30.04	57	SW	4	bc	29.96	+ .08	53	52	- 5	S	5	o	*	64	53	0.13	
Hurst Castle ...	30.09	58	NW	4	bc	30.05	+ .12	55	53	- 1	SW	4	f	4	59	52	0.01	
Dover ...	30.07	57	SW	4	bc	30.09	+ .13	57	54	+ 1	SW	1	c	0	60	53	-	
London ...	30.05	65	SW	3	bc	30.05	+ .14	60	52	+ 3	SW	4	bc	*	67	47	-	
Oxford ...	*	*	*	*	*	29.99	+ .14	56	54	- 2	S	2	o	*	67	46	-	
Cambridge ...	30.01	62	SW	2	c	30.03	+ .16	58	53	- 1	SW	2	bc	*	66	43	-	
Yarmouth ...	30.01	64	NW	1	bc	30.06	+ .20	60	53	+ 1	SW	2	bc	2	66	50	-	
The Helder... ..	*	*	*	*	*	30.08	+ .23	59	55	- 4	SW	2	bc	*	*	*	0.08	
Cape Gris Nez ...																		
Brest ...	30.14	63	SW	3	o	30.06	+ .01	54	52	- 1	SW	4	f	5	?	50	0.08	
L'Orient ...	30.19	57	N	3	bc	30.13	+ .02	55	52	- 2	SW	4	o	4	63	50	0.08	
Rochefort ...	30.17	64	NW	3	c	30.19	+ .07	61	55	+ 2	SW	3	o	3	72	54	-	
Biarritz ...	30.24	66	NW	1	bc	30.21	+ .04	59	54	+ 3	ENE	1	bc	3	73	46	0.20	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.12	+ .15	57	*	- 3	Z	0	o	*	*	*	0.04	
Charleville ...	*	*	*	*	*	30.04	+ .13	58	*	- 8	NW	1	o	*	*	*	*	
Paris ...	30.05	56	NW	2	o	30.14	+ .07	58	*	+ 2	S	2	o	*	*	*	0.08	
Lyons ...	*	*	*	*	*	30.19	+ .03	64	*	- 7	NW	2	o	*	*	*	*	
Toulon ...	30.06	68	E	3	o	30.08	+ .02	66	64	- 4	N	1	bc	3	72	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		
Skudesnaes ...	29.80	53	51	S	6	o	4	Valencia .....	29.68	55	53	S	6	rg	4
Thurso .....	29.38	60	53	SW	6	bcg	4	Scilly .....							
Scarborough ...	29.85	60	54	WSW	4	c	2	London .....	30.01	65	57	SW	4	c	*
Greencastle ...	29.53	56	57	N	2	o	*	Rochefort ...	30.14	63	57	WSW	4	c	3
Holyhead .....	29.64	57	54	SW	7	f	5								

*Pressure continues to increase in all parts of these Islands except Valencia, where the barometer has fallen slightly since noon and the wind backed to S.*

## EXPLANATION OF COLUMNS.

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

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

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

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







# DAILY WEATHER REPORT

JUNE 7<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 13).		Reading at 820 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 13).			Max.	Min.		
Haparanda ...	29.91	42	S	2	c	29.94	+ .06	52	50	+ 6	N	2	c	*	*	*	0.20	
Hernösand ...	29.85	56	SSW	6	bc	29.85	- .02	55	52	- 3	NE	4	bc	*	*	*	-	
Stockholm ...	29.95	66	SSE	2	t	29.85	- .10	72	64	- 8	SSE	2	bc	*	*	*	-	
Wisby ...	30.00	62	N	2	t	29.85	- .15	73	63	+ 10	SSE	4	bc	*	*	*	-	
Christiansund ...	29.94	55	ENE	1	bc	29.68	- .26	56	53	- 3	S	1	c	1	57	48	-	
Skudesnaes ...	29.86	54	S	6	c	29.67	- .19	51	48	- 3	ESE	6	bc	4	57	48	-	
Oxö (Xtiansand) ...	29.98	54	SSW	2	c	29.82	- .16	51	50	- 1	SE	2	o	2	57	48	-	
Skagen (The Scaw) ...	29.97	55	Z	0	bc	29.85	- .12	50	50	- 8	Z	0	bc	0	64	46	0.59	
Fanö ...	29.97	55	Z	0	t	29.87	- .10	57	55	- 2	SW	5	bc	*	68	52	0.55	
Cuxhaven ...	30.04	63	N	1	t	29.99	- .05	59	54	- 5	SW	4	bc	*	*	54	0.56	
Sumburgh Head ...																		
Stornoway ...	29.95	45	SSW	1	o	29.59	- .36	53	51	- 2	SW	5	c	5	56	44	-	
Thurso ...	29.58	48	Z	0	t	29.54	- .04	52	50	- 2	SSW	3	c	2	62	45	0.69	
Wick ...	29.56	50	S	3	m	29.57	- .01	51	49	- 2	SSW	2	bc	2	53	43	0.39	
Nairn ...	29.60	56	S	2	o	29.58	- .02	52	48	- 4	SW	3	bc	2	61	44	0.58	
Aberdeen ...	29.63	57	S	5	t	29.64	- .01	55	50	+ 5	S	4	bc	3	56	43	0.22	
Leith ...	29.58	55	SW	4	t	29.74	+ .16	53	49	- 4	SW	5	bc	*	62	45	0.09	
Shields ...	29.70	56	SSW	4	o	29.87	+ .17	55	52	- 3	WSW	4	c	2	60	47	0.03	
York ...	29.75	56	S	3	o	29.99	+ .24	54	49	- 5	S	3	bc	*	59	45	0.12	
Scarborough ...	29.74	57	S	4	m	29.95	+ .21	56	51	- 5	WSW	3	c	2	62	46	0.11	
Nottingham ...	29.79	55	S	6	t	30.12	+ .13	58	52	+ 6	N	6	cu	*	61	43	0.07	
Ardrossan ...	29.62	51	WSW	3	t	29.79	+ .17	50	48	- 2	SSW	4	o	4	53	47	0.62	
Greencastle ...	29.64	51	SE	1	c	29.74	+ .10	49	47	- 2	WSW	2	o	*	56	47	0.14	
Donaghadee ...	29.69	53	WSW	3	t	29.85	+ .16	52	50	- 2	SW	6	bc	4	54	44	0.78	
Kingstown ...	29.75	58	WSW	5	bc	29.98	+ .23	52	47	- 5	WSW	4	bc	3	59	48	0.35	
Holyhead ...	29.75	52	N	3	bc	30.00	+ .25	52	49	- 3	SW	5	bc	4	56	48	0.42	
Liverpool (Bidston) ...	29.72	52	WSW	5	c	30.01	+ .29	53	46	- 7	WSW	4	bc	3	58	49	0.22	
Valencia ...	29.87	52	WSW	5	bc	30.04	+ .30	51	49	- 2	SSW	4	o	5	57	46	0.05	
Roche's Point ...	29.89	57	WSW	5	bc	30.07	+ .38	53	48	- 5	N	4	bc	4	60	47	0.11	
Pembroke ...	29.84	54	WSW	6	bc	30.09	+ .25	54	51	- 3	WSW	4	bc	3	54	?	0.14	
Portishead ...	29.85	54	WSW	4	c	30.13	+ .28	54	50	- 4	WSW	5	c	4	58	47	0.19	
Seilly ...																		
Plymouth ...	29.95	53	?	3	bc	30.19	+ .24	55	52	- 3	WSW	4	c	*	56	48	0.18	
Hurst Castle ...	29.90	56	SW	6	p	30.20	+ .25	56	53	- 3	N	4	bc	4	57	50	0.08	
Dover ...	30.00	57	SW	4	bc	30.20	+ .20	58	53	- 5	SW	3	bc	3	62	47	0.04	
London ...	29.95	58	S	4	o	30.16	+ .21	57	51	- 6	WSW	2	bc	*	67	44	0.06	
Oxford ...	*	*	*	*	*	30.12	+ .17	55	52	- 3	SW	2	c	*	61	45	0.13	
Cambridge ...	29.91	58	SSW	3	o	30.13	+ .22	55	52	- 3	SW	3	bc	*	65	44	0.04	
Yarmouth ...	29.95	59	S	4	bc	30.12	+ .17	55	51	- 4	WSW	3	bc	2	62	47	0.08	
The Helder ...	*	*	*	*	*	30.07	- .05	56	53	- 3	WSW	2	bc	*	*	*	0.04	
Cape Gris Nez ...	30.02	61	SSW	3	o	30.22	+ .20	54	50	- 4	WSW	4	bc	3	63	50	0.04	
Brest ...	30.13	61	WSW	3	bc	30.30	+ .28	54	50	- 4	WSW	2	bc	3	?	48	0.24	
L'Orient ...	30.11	55	SW	5	m	30.30	+ .19	54	50	- 4	E	2	bc	4	57	46	0.04	
Rochefort ...	30.16	66	NN	3	c	30.23	+ .07	64	61	- 3	Z	0	c	2	77	52	-	
Biarritz ...	30.16	70	NNW	1	bc	30.23	+ .07	63	59	- 4	SSW	1	bc	3	77	54	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.19	+ .07	56	*	- 1	Z	0	c	*	*	*	0.04	
Charleville ...	*	*	*	*	*	30.15	+ .11	57	*	+ 2	SW	6	o	*	*	*	*	
Paris ...	30.13	64	N	3	bc	30.26	+ .13	55	*	- 3	NN	3	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.26	+ .07	64	*	0	N	2	bc	*	*	*	*	
Toulon ...	30.05	68	NN	5	bc	30.17	+ .09	66	61	- 5	NE	2	bc	3	72	64	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.95	55	53	SSE	6	c	4	Valencia .....	29.82	56	50	WSW	5	bc	5
Thurso .....	29.63	55	53	SSE	2	t	2	Scilly .....							
Scarborough ...	29.54	58	54	S	3	t	3	London .....	29.99	63	55	SSW	3	o	*
Greencastle ...	29.64	52	49	SE	1	o	*	Rochefort ...	30.18	64	57	N	3	bc	3
Holyhead .....	29.67	54	53	SSW	3	t	2								

The small depression is slowly moving NEward, and the barometer has fallen since the morning at all the English stations. At Valencia, however, the mercury has risen, and the rise is extending to our other S.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.

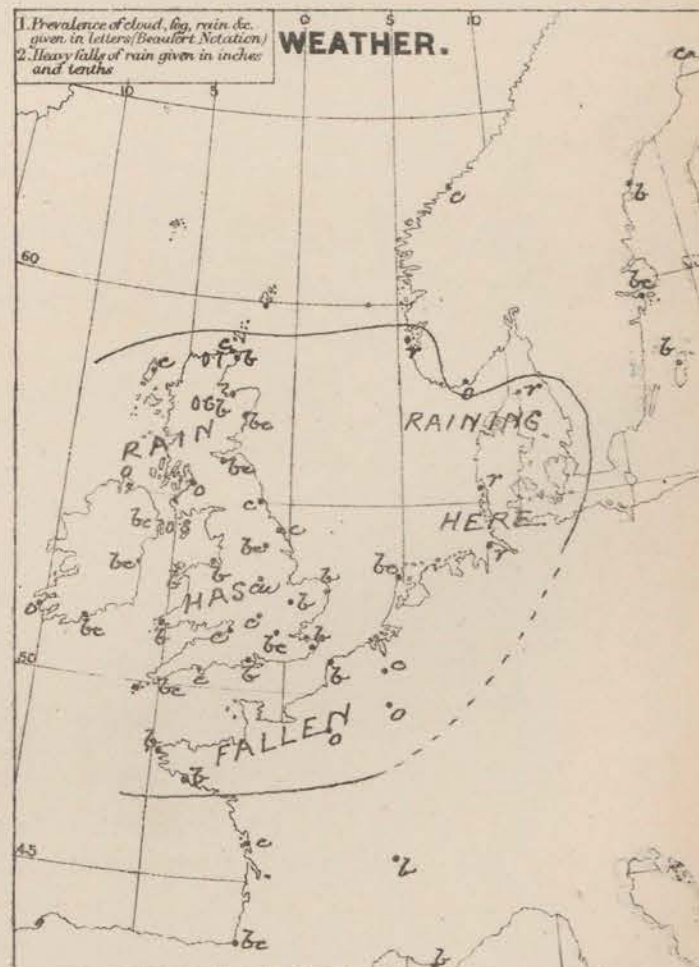
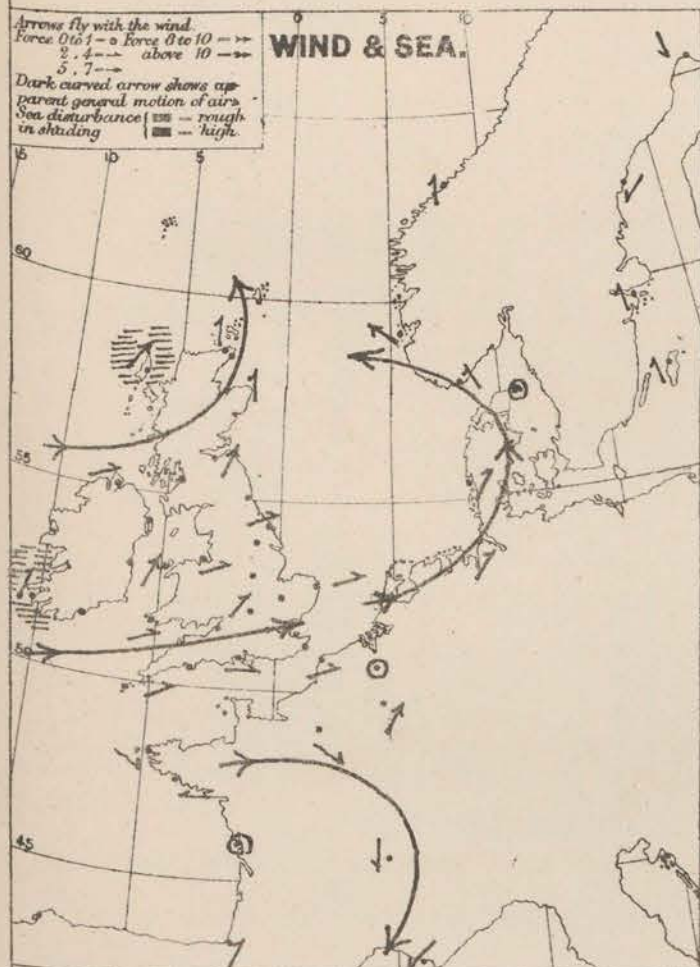
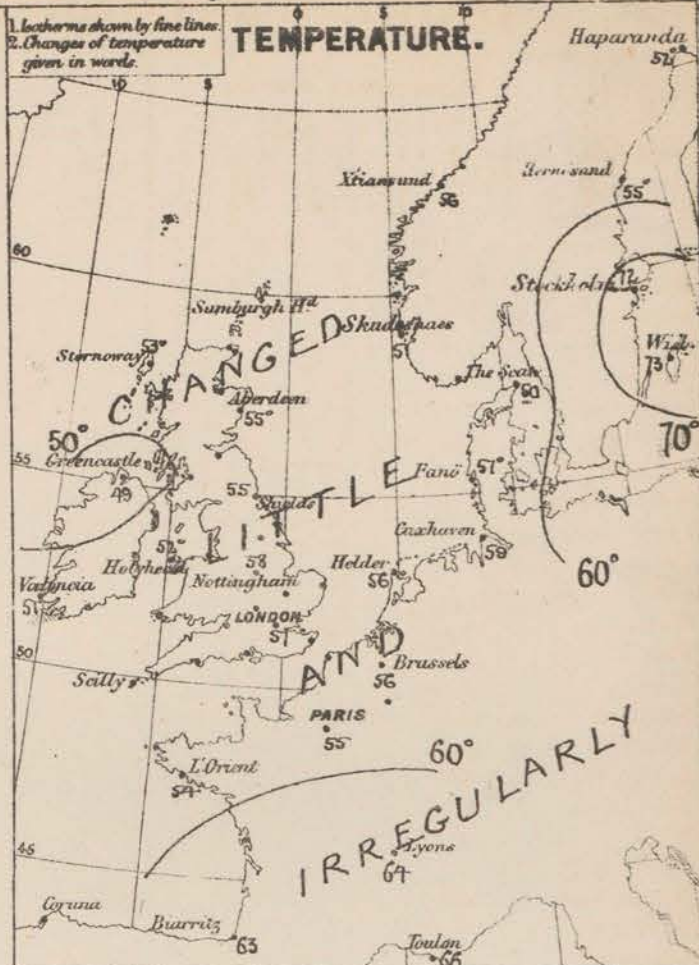
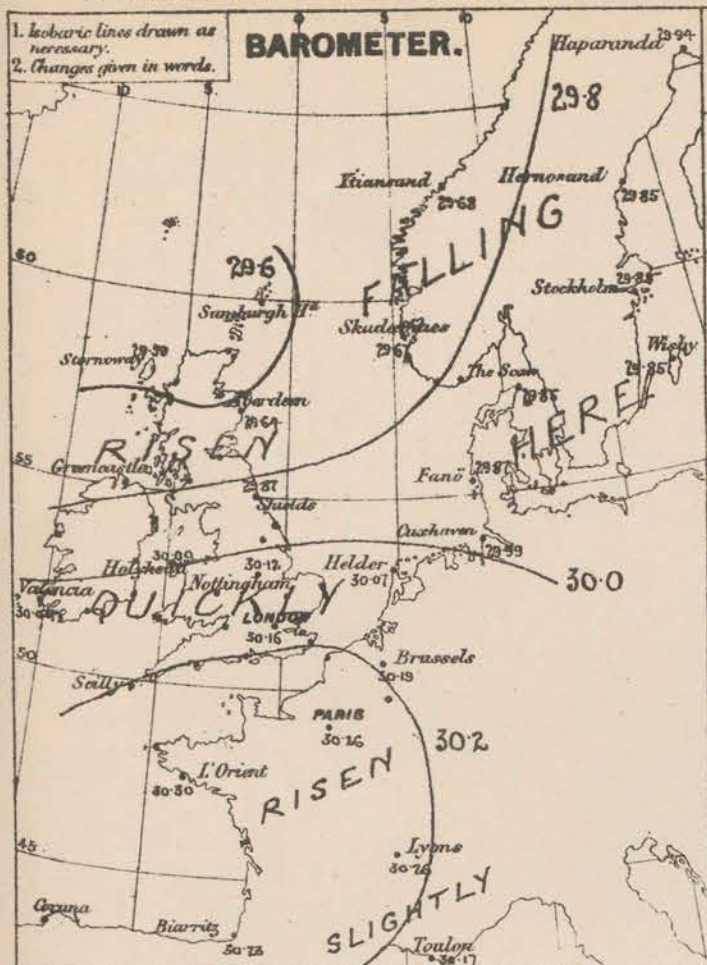
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† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. in France.

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* JUNE 7<sup>TH</sup> 1877.



REMARKS. This morning the barometer is rising over the whole of these Islands and France, but is falling somewhat on the E<sup>r</sup> shores of the North Sea. A large anticyclone lies over France and the Channel, while the area of lowest pressure is reported from the extreme N. of Scotland, so that a W<sup>er</sup> current is experienced over Ireland and England, one part of which draws into a S. and SE. wind over the North Sea, and W. of Norway, whilst the other becomes a N<sup>er</sup> and NE<sup>er</sup> wind in the E. and SE. of France. At some of our stations fresh breezes are reported, but in general the wind is moderate to light. Temperature has changed little and irregularly. In London the maximum in the shade yesterday was only 67°. The small depression noticed in the P. yesterday passed across England last evening, causing general rain, and is shown this morning over the North Sea. In consequence rain is now falling over North Germany, Denmark and the P. of Norway, while at our own and the French stations the sky is moderately clear. The sea is rough in the W. slight elsewhere.

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

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

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



# DAILY WEATHER REPORT JUNE 8<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dirco.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.			
Haparanda ...														*	*	*			
Hernösand ...	29.62	46	SSE	2	0	29.49	- 16	54	48	- 1	W	6	6	*	*	*	0.08		
Stockholm ...	29.89	58	SW	8	7	30.00	+ 15	60	57	- 12	SW	6	6	*	*	*	-		
Wisby ...	29.97	54	WSW	6	7	30.13	+ 28	53	49	- 20	W	6	6	*	*	*	-		
Christiansund ...	29.87	49	SW	8	0	29.56	- 12	53	46	- 3	SE	2	0	3	7	43	-		
Skudesnaes ...	29.82	50	S	6	0	29.92	+ 25	52	49	+ 1	SSW	6	0	5	52	50	-		
Oxö (Klansand) ...	29.95	50	SW	6	0	30.00	+ 18	57	49	0	SW	6	0	4	52	48	-		
Skagen (The Sæw) ...	30.03	50	W	4	6	30.08	+ 23	53	51	+ 3	WSW	4	0	3	55	46	0.20		
Fanö ...	30.14	53	WSW	6	7	30.13	+ 26	59	55	+ 2	WSW	4	6	*	59	57	0.04		
Cuxhaven ...	30.25	5	NW	4	6	30.25	+ 26	65	59	+ 6	SSW	3	6	*	2	48	0.07		
Sumburgh Head ...																			
Stornoway ...	29.53	52	WSW	7	0	29.77	+ 18	57	49	- 2	SW	5	0	5	54	47	0.24		
Thurso ...	29.54	51	SW	4	7	29.77	+ 23	55	49	+ 1	WSW	5	6	4	58	46	0.25		
Wick ...	29.49	51	SSW	4	0	29.80	+ 23	53	49	+ 2	SSW	4	0	1	57	45	0.07		
Nairn ...	29.64	55	SW	4	7	29.83	+ 25	53	48	- 1	SW	3	6	2	57	46	0.17		
Aberdeen ...	29.69	56	SW	6	6	29.88	+ 24	54	50	- 1	SSW	4	6	2	59	46	0.04		
Leith ...	29.83	55	WSW	5	6	29.95	+ 21	54	48	+ 1	WSW	4	6	*	60	42	0.11		
Shields ...	29.95	59	WSW	5	6	30.03	+ 16	53	52	- 2	SW	4	0	2	61	48	0.01		
York ...	30.06	59	W	3	7	30.10	+ 11	54	50	0	SE	1	6	*	65	40	-		
Scarborough ...	30.01	58	WSW	2	7	30.08	+ 13	57	57	+ 1	SW	2	6	1	61	48	-		
Nottingham ...	30.12	60	SSW	3	0	30.14	+ 12	60	53	+ 2	SSW	4	6	*	66	40	-		
Ardrossan ...	29.90	55	W	4	0	29.96	+ 17	57	49	+ 1	SSW	3	0	3	56	49	0.06		
Greencastle ...	29.88	58	W	4	0	29.88	+ 14	52	49	+ 3	S	3	0	*	58	43	0.02		
Donaghadee ...	29.95	55	WSW	4	6	29.95	+ 10	54	52	+ 2	S	4	0	3	60	44	0.02		
Kingstown ...	30.04	59	W	4	6	29.98	00	54	50	+ 2	S	4	0	3	61	57	-		
Holyhead ...	30.06	55	SW	6	0	30.04	+ 14	52	57	0	SSW	3	7	2	59	50	0.02		
Liverpool (Bidston) ...	30.08	56	SW	5	6	30.08	+ 17	52	48	- 1	S	2	0	2	61	48	-		
Valencia ...	30.07	54	SSW	5	6	29.80	- 24	54	53	+ 3	S	6	19	6	58	49	0.80		
Roche's Point ...	30.12	58	WSW	5	6	29.95	- 12	53	53	0	SSW	5	7	4	61	46	0.18		
Pembroke ...	30.05	56	SW	4	6	30.15	- 14	52	50	- 2	S	4	0	3	57	57	-		
Portishead ...	30.18	57	W	4	0	30.13	00	51	50	- 3	WSW	2	6	2	61	47	0.07		
Scilly ...																			
Plymouth ...	30.23	57	SW	4	0	30.09	- 10	56	52	+ 1	E	4	0	*	62	50	-		
Hurst Castle ...	30.23	56	WSW	4	0	30.14	- 16	58	55	+ 2	ESE	3	6	2	58	50	-		
Dover ...	30.25	55	WSW	3	7	30.19	- 11	58	53	0	E	1	6	0	60	50	-		
London ...	30.21	62	SW	2	0	30.16	00	61	50	+ 4	S	2	0	*	67	48	-		
Oxford ...	*	*	*	*	*	30.15	+ 13	55	53	0	S	1	0	*	67	48	-		
Cambridge ...	30.17	61	SW	1	0	30.16	+ 13	59	54	+ 4	SSW	1	0	*	67	48	-		
Yarmouth ...	30.16	64	WSW	3	7	30.18	+ 16	57	54	+ 2	S	1	6	1	66	57	-		
The Helder ...	*	*	*	*	*	30.19	+ 12	58	54	+ 2	SSW	1	6	*	*	*	-		
Cape Gris Nez ...	30.26	55	SW	3	7	?	?	61	54	+ 7	E	1	6	0	?	48	-		
Brest ...	30.29	61	NW	1	0	30.14	- 16	57	54	+ 3	SSE	2	6	3	61	46	-		
L'Orient ...	30.25	59	W	3	7	30.12	- 18	59	55	+ 5	E	2	6	3	63	50	-		
Roche fort ...	30.16	70	W	3	7	30.05	- 18	70	57	+ 6	E	3	6	2	72	55	-		
Biarritz ...	30.06	75	ENE	4	6	30.00	- 23	72	64	+ 9	ENE	1	7	4	82	59	-		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*	30.22	+ 13	59	*	+ 3	WSW	1	6	*	*	*	-		
Charleville ...	*	*	*	*	*	30.15	00	59	*	+ 2	WSW	3	6	*	*	*	*		
Paris ...	30.24	66	W	1	6	30.17	- 17	64	*	+ 9	E	2	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.23	- 13	67	*	+ 3	S	2	6	*	*	*	*		
Toulon ...	30.16	73	SSE	1	7	30.16	- 11	68	61	+ 2	E	3	6	2	88	66	-		

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	29.83	52	50	S	6	0	4	Valencia .....	30.09	57	53	SSW	5	cg	5
Thurso .....	29.54	56	50	SW	5	0	3	Scilly .....							
Scarborough ...	30.01	61	52	W.SW	4	0	3	London .....	30.20	65	55	W.SW	3	bc	*
Greencastle ...	29.83	57	51	W	4	bc	*	Roche fort ...	30.23	70	64	SW	1	b	2
Holyhead .....	30.06	55	52	SW	6	0	4								

The barometer is rising slowly except at Thurso. The winds and weather are almost unchanged.

## EXPLANATION OF COLUMNS.

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

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

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

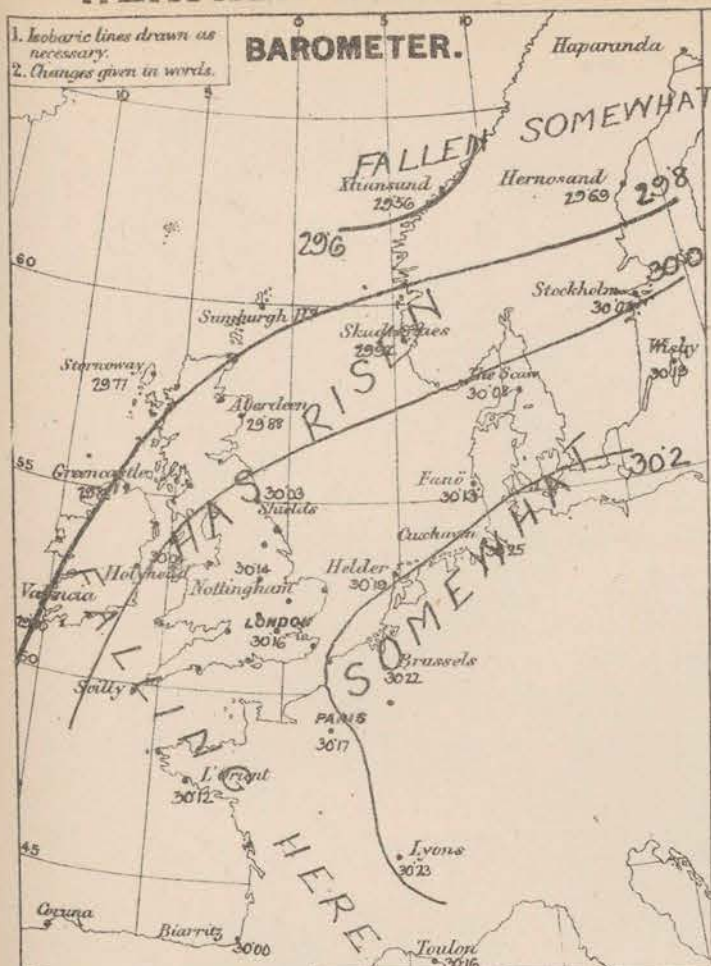
N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Friday 8<sup>th</sup> JUNE 1877.

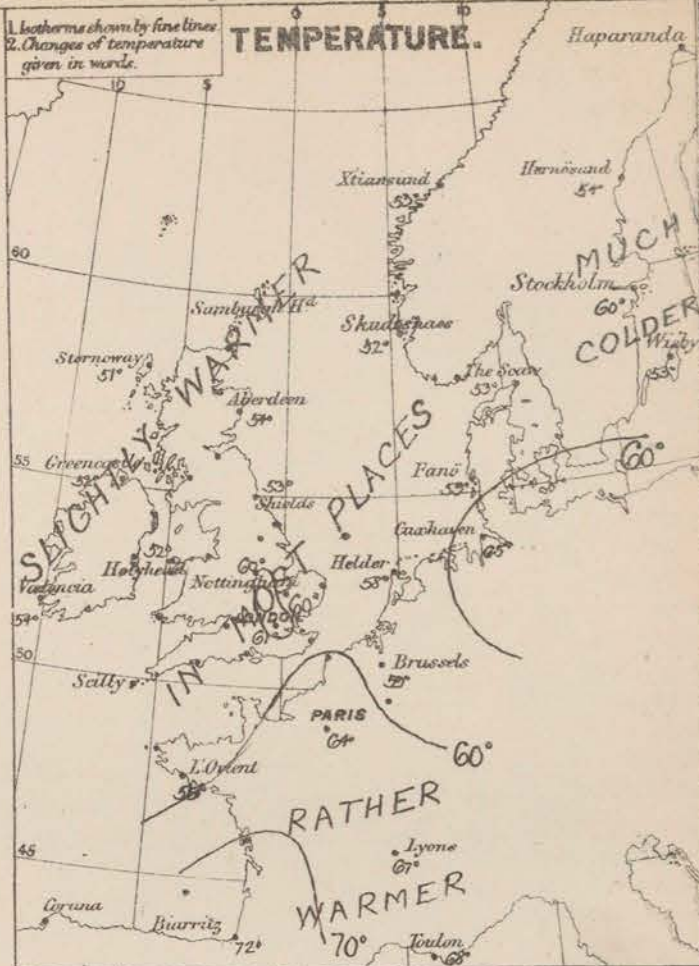
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



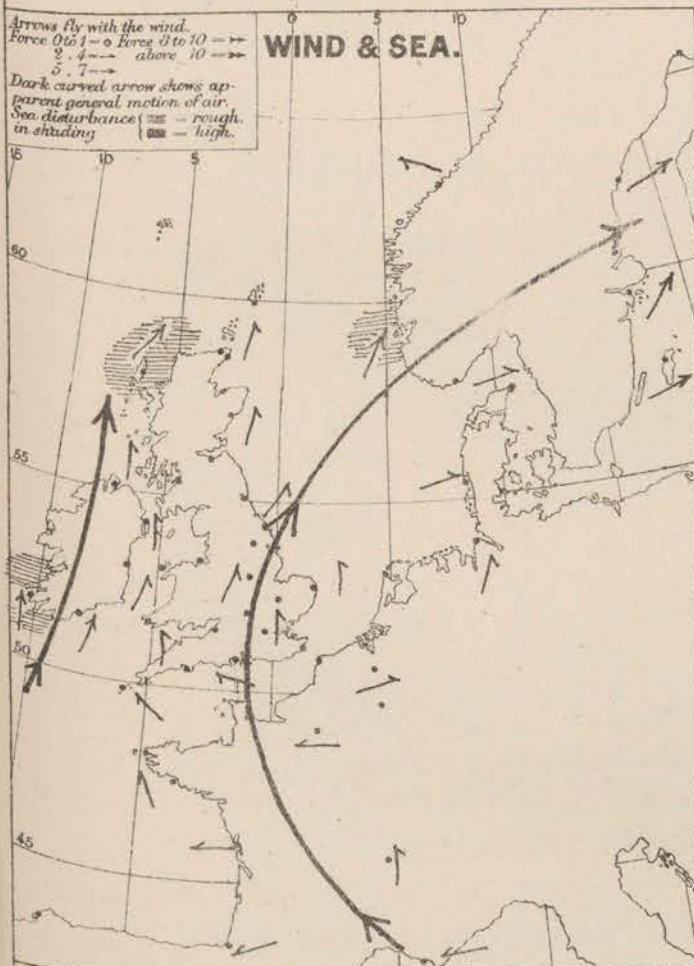
1. Isotherms shown by fine lines
2. Changes of temperature given in words.

## TEMPERATURE.



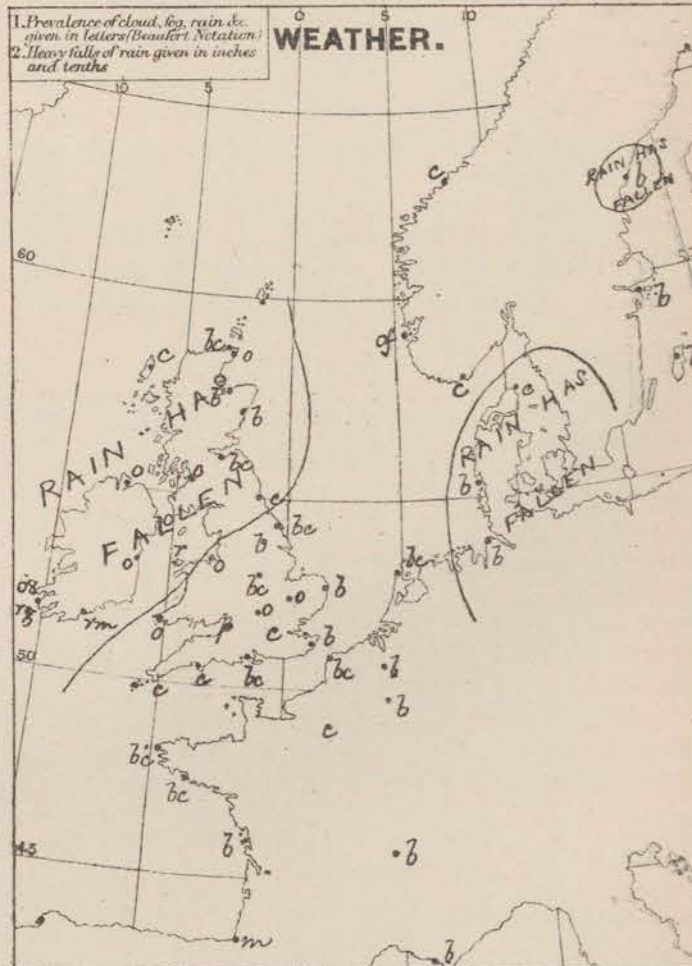
1. Force 0 to 10
  2. Force 11 to 20
  3. Force 21 to 30
  4. Force 31 to 40
  5. Force 41 to 50
  6. Force 51 to 60
  7. Force 61 to 70
  8. Force 71 to 80
  9. Force 81 to 90
  10. Force 91 to 100
- Dark curved arrow shows apparent general motion of air.  
Sea disturbance (—) — rough in shading — high.

## WIND & SEA.



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

## WEATHER.



**REMARKS.** During the past night a brisk fall of the barometer has taken place at Valentia and extended in a less degree to our other north western stations and to the west of France. In the east and north, however, the mercury still rises, and the area of highest pressure now lies over the east of France and north Germany. In consequence the wind has backed to the S.W. or S.W. on all our western and northern coasts and to east over the Channel and France. At Valentia the wind blows strongly and at Stornoway freshly but elsewhere it is moderate to light. Temperature has risen at most of the Continental stations but is almost unchanged at our own. In London the maximum was again 67°. The sky is moderately clear except in the west, it being overcast with rain in the south of Ireland. The sea is rough at Valentia, rather so in the Minch, slight elsewhere.

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

R.H. SCOTT.  
Director.



# DAILY WEATHER REPORT

JUNE 9<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer.  Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.40	44	SW	4	c	29.64	?	46	?	NW	4	o	*	*	*	-			
Hernösand ...	29.78	53	WSW	2	b	29.89	+ 20	58	49	NNW	2	b	*	*	*	-			
Stockholm ...	29.99	59	WSW	4	b	29.99	- 01	58	50	N	4	b	*	*	*	-			
Wisby ...	30.11	55	SW	6	b	30.10	- 03	56	50	NNW	4	b	*	*	*	-			
Christiansund ...	29.80	52	WSW	2	c	29.78	+ 22	52	46	SSE	3	c	4	55	46	0.43			
Skudesnaes ...	29.98	50	S	4	o	29.84	- 08	50	47	SSE	8	b	6	55	50	-			
Oxö (Xiänsand) ...	30.06	50	SSW	2	o	29.99	- 01	53	50	E	2	c	2	54	46	-			
Skagen (The Sæw) ...	30.08	51	WSW	3	b	30.02	- 06	56	53	S	2	o	0	63	46	-			
Fanö ...	30.06	54	SSW	1	c	29.97	- 16	67	60	WSW	4	b	*	?	54	-			
Cuxhaven ...	30.13	4	E	1	b	30.06	- 19	75	67	SSW	3	c	*	*	59	-			
Sumburgh Head																			
Stornoway	29.66	51	SE	1	r	29.54	- 23	52	52	SW	5	r	5	58	47	0.29			
Thurso ...	29.74	52	SSW	2	r	29.59	- 18	56	53	SW	3	c	3	62	49	0.27			
Wick ...	29.71	50	SSW	2	r	29.62	- 18	54	52	S	2	o	1	59	48	0.12			
Nairn ...	29.73	51	SW	2	r	29.65	- 18	57	52	SW	2	o	2	59	50	0.15			
Aberdeen ...	29.80	53	SSW	3	o	29.71	- 17	54	52	S	1	bcp	1	60	49	0.06			
Leith ...	29.81	53	SW	3	r	29.76	- 19	60	55	SW	6	b	*	60	52	0.03			
Shields ...	29.90	58	SW	1	o	29.90	- 13	57	55	SW	3	c	2	62	52	0.07			
York ...	29.94	63	S	1	o	29.98	- 12	58	54	SW	3	o	*	64	53	0.07			
Scarborough ...	29.91	64	SSW	2	c	29.97	- 11	61	56	WSW	2	o	2	66	55	0.03			
Nottingham ...	29.94	67	S	4	o	30.06	- 08	61	56	WSW	4	o	*	71	57	-			
Ardrossan ...	29.78	51	S	6	r	29.81	- 15	53	51	SSW	4	o	4	57	51	0.34			
Greencastle ...	29.67	54	S	3	r	29.74	- 12	53	52	N	3	o	*	55	50	0.26			
Donaghadee ...	29.77	53	SW	5	r	29.85	- 10	58	55	SW	6	o	5	58	50	0.06			
Kingstown ...	29.81	55	S	4	o	29.94	- 04	58	54	SSW	4	b	2	58	53	0.01			
Holyhead ...	29.87	52	SSW	3	r	29.99	- 05	55	53	SW	5	o	3	58	52	0.18			
Liverpool (Bidston) ...	29.90	59	SSW	1	o	30.01	- 07	56	52	SW	3	o	2	61	52	0.10			
Valencia ...	29.78	55	SSW	6	o	29.93	+ 13	56	53	S	5	o	5	57	52	0.29			
Roche's Point ...	29.82	55	WSW	4	o	30.00	+ 05	55	54	WSW	3	o	4	60	48	0.44			
Pembroke ...	29.92	54	S	4	o	30.06	+ 01	54	54	SW	3	o	3	58	52	0.04			
Portishead ...	29.97	63	SW	3	c	30.10	- 03	56	54	WSW	3	o	2	70	50	0.02			
Scilly ...																			
Plymouth ...	30.08	59	Z	0	o	30.12	+ 03	57	55	SW	3	o	*	64	55	-			
Hurst Castle ...	30.00	61	S	3	b	30.14	00	58	57	N	3	o	2	61	53	-			
Dover ...	30.04	60	E	1	b	30.09	- 10	66	59	SW	1	b	0	70	57	-			
London ...	30.00	70	SSW	2	c	30.10	- 06	65	54	NNW	2	b	*	72	53	-			
Oxford ...	*	*	*	*	*	30.08	- 07	61	57	N	1	o	*	72	51	-			
Cambridge ...	29.98	68	S	2	o	30.08	- 08	62	58	WSW	2	b	*	71	49	-			
Yarmouth ...	30.04	58	SSE	2	b	30.06	- 12	65	60	N	2	b	1	71	49	-			
The Helder ...	*	*	*	*	*	30.06	- 13	64	60	SW	1	b	*	*	*	-			
Cape Gris Nez	30.05	64	NE	1	b	30.11	?	64	61	Z	0	b	0	75	59	-			
Brest ...	30.09	64	SSW	2	b	30.22	+ 08	55	55	NN	1	m	3	66	52	-			
L'Orient ...	29.86	64	N	3	b	30.23	+ 11	54	54	N	2	m	3	77	52	-			
Rocheft ...	30.06	73	N	4	o	30.15	+ 10	64	61	N	3	b	2	?	59	-			
Biarritz ...	30.10	70	SW	4	o	30.20	+ 20	63	59	Z	0	o	3	75	57	0.04			
Corunna ...	*	*	*	*	*									*	*	*			
Brussels ...	*	*	*	*	*	30.08	- 14	71	*	+ 12	SE	1	b	*	*	*			
Charleville ...	*	*	*	*	*	30.06	- 09	68	*	+ 9	SSE	?	?	*	*	*			
Paris ...	30.12	76	ESE	3	b	30.10	- 07	73	*	+ 9	SE	2	b	*	*	*			
Lyons ...	*	*	*	*	*	30.16	- 07	71	*	+ 4	SE	2	b	*	*	*			
Toulon ...	30.16	73	N	1	b	30.16	00	72	59	+ 4	SE	2	b	79	68	-			

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

	Bar.	Dry.	Wet.	Wind.	Waa.	Sea.		Bar.	Dry.	Wet.	Wind.	Waa.	Sea.		
Skudesnaes ...	29.98	55	57	S	5	c	4	Valencia .....	29.76	56	55	SSW	6	59	5
Thurso .....	29.78	60	52	WSW	4	c	3	Scilly .....							
Scarborough ...	30.00	62	53	S	3	p	2	London .....	30.05	70	61	S	2	c	*
Greencastle ...	29.73	53	52	S	2	o	*	Rocheft ...	30.19	79	68	Z	o	c	o
Holyhead .....	29.93	57	54	SSW	3	o	2								

The decrease of pressure noticed in the SW. this morning has now become general, but at Valencia it appears to have ceased since noon. The weather is unchanged.

## EXPLANATION OF COLUMNS.

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

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

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

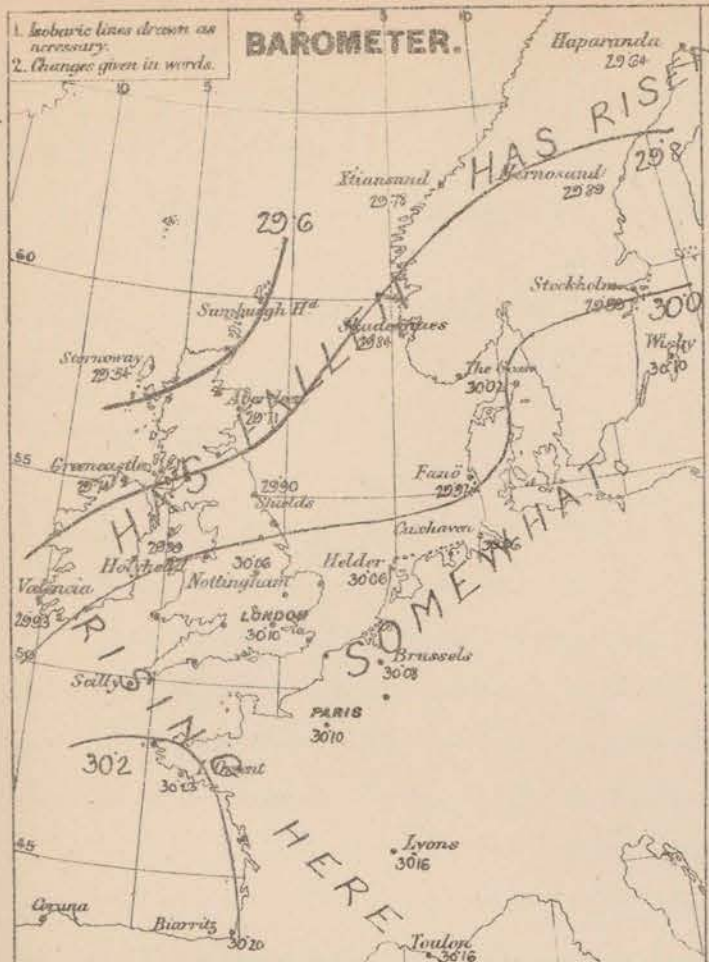
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Saturday 9<sup>th</sup> JUNE 1877.

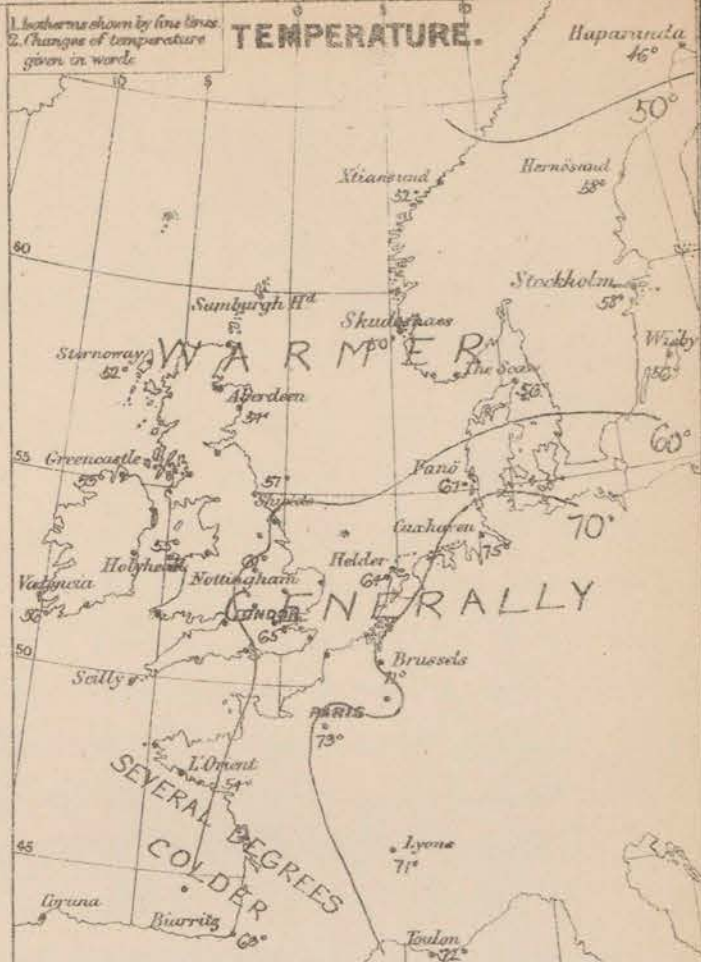
1. Isobaric lines drawn as necessary.  
2. Changes given in words.

## BAROMETER.



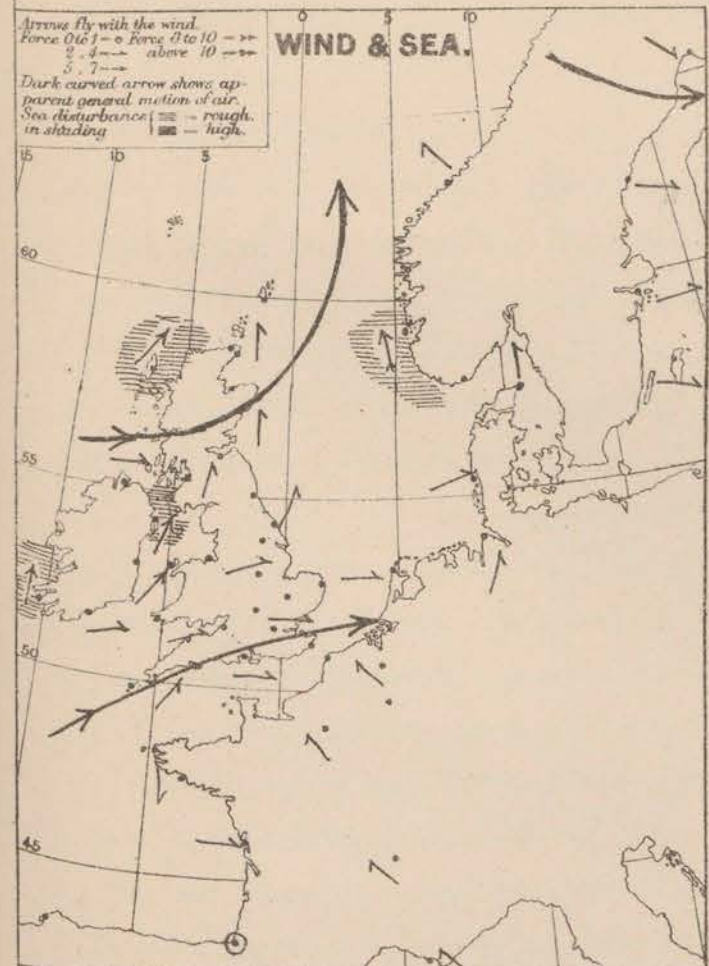
1. Isobars shown by fine lines.  
2. Changes of temperature given in words.

## TEMPERATURE.



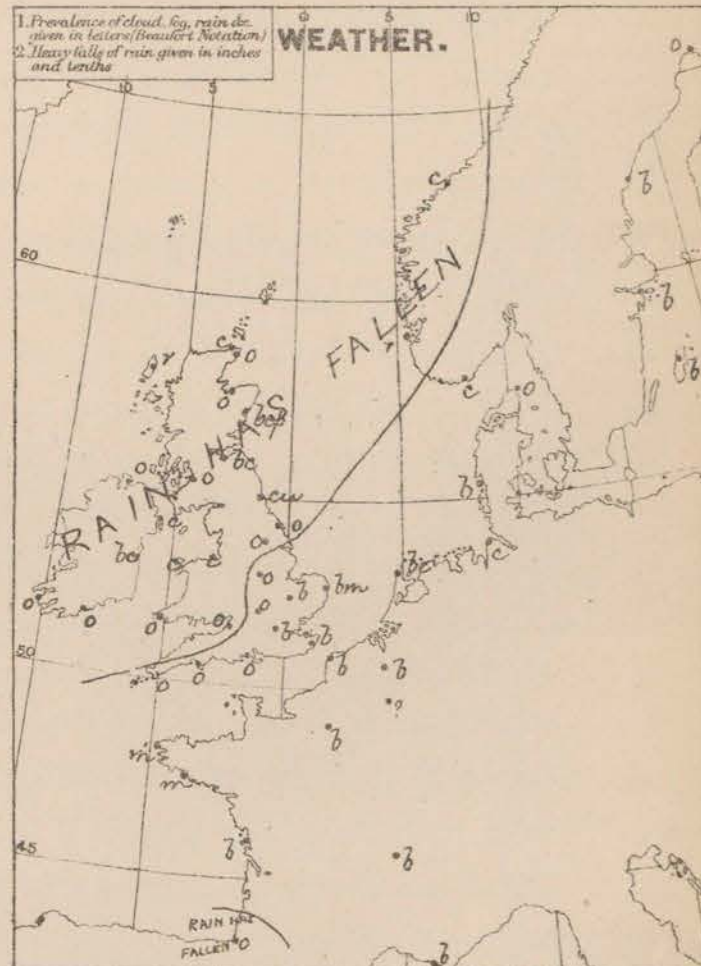
Arrows fly with the wind.  
Force 0 to 10 —  
Force 11 to 20 —  
Force 21 to 30 —  
Force 31 to 40 —  
Force 41 to 50 —  
Force 51 to 60 —  
Force 61 to 70 —  
Force 71 to 80 —  
Force 81 to 90 —  
Force 91 to 100 —  
Force 101 to 110 —  
Force 111 to 120 —  
Force 121 to 130 —  
Force 131 to 140 —  
Force 141 to 150 —  
Force 151 to 160 —  
Force 161 to 170 —  
Force 171 to 180 —  
Force 181 to 190 —  
Force 191 to 200 —  
Force 201 to 210 —  
Force 211 to 220 —  
Force 221 to 230 —  
Force 231 to 240 —  
Force 241 to 250 —  
Force 251 to 260 —  
Force 261 to 270 —  
Force 271 to 280 —  
Force 281 to 290 —  
Force 291 to 300 —  
Force 301 to 310 —  
Force 311 to 320 —  
Force 321 to 330 —  
Force 331 to 340 —  
Force 341 to 350 —  
Force 351 to 360 —  
Force 361 to 370 —  
Force 371 to 380 —  
Force 381 to 390 —  
Force 391 to 400 —  
Force 401 to 410 —  
Force 411 to 420 —  
Force 421 to 430 —  
Force 431 to 440 —  
Force 441 to 450 —  
Force 451 to 460 —  
Force 461 to 470 —  
Force 471 to 480 —  
Force 481 to 490 —  
Force 491 to 500 —  
Force 501 to 510 —  
Force 511 to 520 —  
Force 521 to 530 —  
Force 531 to 540 —  
Force 541 to 550 —  
Force 551 to 560 —  
Force 561 to 570 —  
Force 571 to 580 —  
Force 581 to 590 —  
Force 591 to 600 —  
Force 601 to 610 —  
Force 611 to 620 —  
Force 621 to 630 —  
Force 631 to 640 —  
Force 641 to 650 —  
Force 651 to 660 —  
Force 661 to 670 —  
Force 671 to 680 —  
Force 681 to 690 —  
Force 691 to 700 —  
Force 701 to 710 —  
Force 711 to 720 —  
Force 721 to 730 —  
Force 731 to 740 —  
Force 741 to 750 —  
Force 751 to 760 —  
Force 761 to 770 —  
Force 771 to 780 —  
Force 781 to 790 —  
Force 791 to 800 —  
Force 801 to 810 —  
Force 811 to 820 —  
Force 821 to 830 —  
Force 831 to 840 —  
Force 841 to 850 —  
Force 851 to 860 —  
Force 861 to 870 —  
Force 871 to 880 —  
Force 881 to 890 —  
Force 891 to 900 —  
Force 901 to 910 —  
Force 911 to 920 —  
Force 921 to 930 —  
Force 931 to 940 —  
Force 941 to 950 —  
Force 951 to 960 —  
Force 961 to 970 —  
Force 971 to 980 —  
Force 981 to 990 —  
Force 991 to 1000 —

## WIND & SEA.



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

## WEATHER.



**REMARKS.** Pressure has decreased during the past night over Scotland and on the eastern shores of the North Sea, while it has risen slowly in most other places. An area of low pressure still lies off the north coast of Scotland, while the highest readings are reported from the Bay of Biscay. The wind is SW to S, and fresh in force at all our more northern and western stations and in Norway, while W breezes are reported over the Channel and south of England, and variable air in France. Temperature has risen in nearly all places; and in the east of France, the Netherlands and North Germany the weather is very warm. In London the maximum in the shade yesterday was 72°. The sky is cloudy except in the south-east, and slight rain has fallen at all but the southern stations. The sea is rough in the extreme west and north-west, slight on most other coasts but calm in the Straits of Dover.

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

R. H. SCOTT.  
Director.



# SUMMARY OF WEATHER IN WESTERN EUROPE

from JUNE 3<sup>RD</sup> to JUNE 5<sup>TH</sup> 1877.

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

During the whole of this week, the general distribution of pressure over Western Europe has undergone very little change, the lowest readings having been found off our NW and N<sup>W</sup> coasts, and the highest over France. Their relative positions have, however, varied slightly, and the winds has consequently varied between S. and N. its force being generally fresh at the NW and N<sup>W</sup> stations and light in the E. the weather has been unsettled and generally cloudy over the greater part of these Islands, but on our E. and SE. coasts, as well as over the Netherlands the sky has been clear and the temperature high. This was particularly the case on Tuesday when the thermometer read 80° at 8 am. at Cuxhaven, and on Saturday when at the same hour it reached 79° at Paris, so that apparently the seasonable weather has at last set in; at all events for a few days.

JUNE 3<sup>RD</sup> The barometer remained in a very unsettled state on our NW coasts. The depression which at the close of the previous week lay off the N. of Scotland had passed away, and the barometer was rising at all the Scotch stations as well as in the NE. of England, and on the E<sup>m</sup> shores of the North Sea. In the SW, however, and over France the barometer was falling briskly, and fresh disturbances were advancing towards those regions. The wind was S<sup>W</sup> over these Islands and the North Sea, and SE<sup>W</sup> over the NW. of France, and the Channel. In Ireland it reached the force of a moderate or fresh gale and at our other NW stations it blew strongly, but in the E. it was moderate. Temperature had risen nearly everywhere, and over France, and the SE. of England the weather was warm. Rain was falling in the S. of Ireland, but elsewhere the weather was fine or moderately so. In the evening the mercury was rising in the SW. and the depression had moved <sup>on</sup> to the NW. of Scotland.

JUNE 4<sup>TH</sup> The barometer had risen at nearly all our stations, and the depression which on the previous evening lay to the NW<sup>W</sup> of Scotland had disappeared, but on the shores of the Bay of Biscay the barometer was falling again, showing the advance of a new disturbance from the SW. The winds had fallen light except in the Hebrides; it was generally SE<sup>W</sup> over France, and S<sup>W</sup> to SW<sup>W</sup> over the British Isles and North Sea. Temperature had decreased at most of our stations and in the West of France, but on the Continent and particularly in N. Germany it had risen. At Cuxhaven the thermometer stood at 76° in the shade at 8 am. The sky was cloudy except in the SE. and thunder was reported from Cape Gris Nez. In the afternoon the depression which had caused the fall of the barometer in the W. of France, began to affect our SW stations, and by 6 P.M. its centre had reached the S. coast of Ireland causing the winds to increase considerably in force, from the SW over the Bristol and English Channels, where it blew a stiff gale, and from NE. at Valentia.

JUNE 5<sup>TH</sup> The depression during the night had travelled quickly in a due N<sup>W</sup> direction, its centre lying at 8 am. off the Hebrides. The barometer had fallen somewhat at all the more NW stations, but had risen quickly over France, and to a less extent over our S. coast and Scandinavia. The wind was NW on our W. coasts and over the Bay of Biscay, but drew into SW. and S. at our E<sup>m</sup> and NW stations, while owing to the presence of a small depression near the coast of Denmark, a N<sup>W</sup> breeze was reported from the S. of Norway. The wind was generally fresh in force. Temperature



had decreased quickly in the Netherlands, and N of France, and slightly at our SW stations, while over the Baltic and in North Germany it had risen and was very high; elsewhere it had changed irregularly. The sky was clear in Sweden, Denmark, and at our SW stations, cloudy with squalls elsewhere. During the day a fresh decrease occurred in the S. of Ireland, and the wind backed to the S.W. again, but in all other places the barometer rose quickly.

JUNE 6<sup>TH</sup> The lowest pressures still lie off the NW coast of Scotland, but the depression was apparently filling up and the barometer was rising almost generally. In the SW. however, a slight decrease was reported owing to the advance of a small subsidiary disturbance to the St Georges Channel during the night. S.W. to S.W. breezes prevailed almost generally over Western Europe, but in the South of Ireland the wind was N.W. to N. in rear of the small depression. Temperature had changed irregularly, except that in N. Germany it had fallen fast. In the Baltic it remained very high (Kornel 77°). The weather was dull. Later reports showed that the barometer was falling at all the more E. and N. stations as the two depressions passed E., while in the SW. it was rising. In London a sharp shower occurred at about 9 P.M.

JUNE 7<sup>TH</sup> The barometer had fallen in Scotland, over the extreme N. of which country the area of low pressure still lay, while over Ireland, England and France it was rising rather briskly. An area of high readings was reported from the Bay of Biscay, and the wind which was W. over England and Ireland, drew into SW. and S. in the N. and into N.E. and N. over the E. and S.E. of France. Temperature had changed little and irregularly. The weather was moderately fine except on the E. shores of the North Sea, where rain was falling. For the greater part of the day the barometer rose in most places, but at Valentia and on the shores of the Bay of Biscay pressure was giving way in the evening.

JUNE 8<sup>TH</sup> During the night the fall of the barometer noticed at Valentia had become brisk and extended to our other SW. stations, while in the N. of France the mercury still fell slowly. In the E. and N. however, the barometer was rising, and the area of highest pressure had been reestablished over North Germany and the East of France. The wind had become S. or S.W. on nearly all our coasts, but over France and the Channel it was E. In the South of Ireland, and at Norway the wind was fresh or strong in force, but elsewhere it was moderate or light. Temperature had risen at most stations. The weather was rather cloudy except in the S.E. and rain was falling in the S. of Ireland. By the evening the decrease of pressure had extended to our other stations, but the depression was then moving away N.W., and a recovery was commencing in the S. of Ireland, and over France.

JUNE 9<sup>TH</sup> During the night the barometer had fallen over Scotland, and the countries to the E. of the North Sea, so that while an area of low pressure still lay to the N.W. of these Islands, the region of highest pressure had become reestablished over the Bay of Biscay. The wind was S.W. over the whole of these Islands, while it was N.W. to N. in the N. of France, and generally S. to S.E. at the other Continental stations. It was fresh in force in the N.W., light generally elsewhere. Temperature had risen except on the shores of the Bay of Biscay; and in North Germany, the Netherlands, and the East of France was high. The sky was cloudy except in the S.E. Later Reports showed a general rise of the barometer, the weather continuing very fine in the S.E.

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



# DAILY WEATHER REPORT JUNE 10<sup>TH</sup> 1877.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.69	44	SW	4	o	29.62	- .02	48	45	+ 2	S	2	o	*	*	*	-		
Hernösand ...	29.71	49	SSW	4	c	29.71	- .18	60	57	+ 2	WNW	6	bc	*	*	*	-		
Stockholm ...	29.88	59	SSW	4	bc	29.89	- .10	60	53	+ 2	W	4	bc	*	*	*	-		
Wisby ...	30.01	58	SW	6	c	30.01	- .09	53	49	- 3	W	4	bc	*	*	*	-		
Christiansund ...	29.69	50	SSW	1	c	29.75	- .03	57	50	+ 5	WSW	6	bc	3	57	46	0.75		
Skudesnaes ...	29.95	50	SSE	4	o	29.95	+ .11	52	50	+ 2	SSE	6	o	5	54	50	-		
Oxö (Xtiansand) ...	29.98	51	SW	4	o	30.04	+ .05	52	57	- 1	SW	2	c	2	57	46	-		
Skagen (The Sæw) ...	30.01	53	WSW	3	c	30.07	+ .05	58	55	+ 2	SW	2	bc	1	63	46	-		
Fanö ...	30.10	54	WSW	2	bc	30.06	+ .09	66	62	- 1	S	4	bc	*	70	?	-		
Cuxhaven ...	30.19	*	N	1	bc	30.11	+ .05	65	63	- 10	E	1	bc	*	?	?	-		
Sumburgh Head ...																			
Stornoway ...	29.69	53	SW	7	o	29.67	+ .13	52	57	o	SSW	6	bc	6	56	48	0.11		
Thurso ...	29.72	61	WSW	5	c	29.72	+ .13	58	54	+ 2	S	2	o	2	65	50	0.01		
Wick ...	29.77	59	SW	4	o	29.72	+ .10	54	52	o	Z	o	o	0	63	50	-		
Nairn ...	29.73	61	SW	6	bc	29.76	+ .11	58	53	+ 1	SSW	4	o	1	63	53	-		
Aberdeen ...	29.83	63	SSW	5	bc	29.83	+ .12	56	53	+ 2	S	2	c	1	66	57	-		
Leith ...	29.84	65	SW	4	bc	29.84	+ .08	58	55	- 2	SW	2	c	*	69	54	-		
Shields ...	29.99	65	SW	4	bc	29.96	+ .06	59	55	+ 2	SW	1	c	0	66	52	-		
York ...	30.05	64	SW	2	bc	30.04	+ .06	61	54	+ 3	SW	2	bc	*	69	57	-		
Scarborough ...	30.01	65	SW	1	bc	30.00	+ .03	64	56	+ 3	SW	2	bc	1	68	52	-		
Nottingham ...	30.09	62	SSW	2	bc	30.08	+ .02	64	56	+ 3	S	3	bc	*	72	52	-		
Ardrossan ...	29.90	57	SW	3	c	29.85	+ .04	54	52	+ 1	S	3	o	4	59	52	-		
Greencastle ...	29.84	61	W	2	o	29.74	.00	54	53	+ 1	S	3	o	*	63	52	0.01		
Donaghadee ...	29.93	60	SW	4	bc	29.84	- .01	56	55	- 2	SSW	5	bc	4	65	55	-		
Kingstown ...	29.99	61	S	4	bc	29.90	- .04	58	56	o	SSE	4	c	3	64	55	-		
Holyhead ...	30.03	57	SSW	4	c	29.95	- .04	54	54	- 1	SSW	5	bc	3	61	52	-		
Liverpool (Bidston) ...	30.04	64	SW	3	bc	30.00	- .01	58	53	+ 2	SSE	2	o	1	66	54	-		
Valencia ...	29.93	56	S	5	o	29.90	- .03	56	53	o	SW	5	bc	5	58	52	0.12		
Roche's Point ...	30.01	61	SW	4	bc	29.98	- .02	56	57	+ 1	WSW	4	bc	4	63	53	-		
Pembroke ...	30.09	57	SSW	3	c	30.02	- .04	54	54	o	S	4	o	4	64	53	0.03		
Portishead ...	30.10	63	W	3	bc	30.10	.00	61	59	+ 5	SW	3	bc		65	50			
Scilly ...																			
Plymouth ...	30.14	58	S	2	o	30.13	+ .01	59	57	+ 2	S	3	bc	*	62	51	-		
Hurst Castle ...	30.17	59	WSW	3	bc	30.15	+ .01	60	58	+ 2	WSW	1	bc	1	62	54	-		
Dover ...	30.13	60	SW	3	bc	30.15	+ .06	60	58	- 6	S	1	bc	0	68	54	-		
London ...	30.10	?	S	2	bc	30.13	+ .03	63	55	- 2	SSW	1	bc	*	77	53	-		
Oxford ...	*	*	*	*	*	30.12	+ .04	61	55	o	SSW	1	bc	*	72	51	-		
Cambridge ...	30.11	72	SW	1	bc	30.12	+ .04	62	57	o	SW	1	bc	*	73	48	-		
Yarmouth ...	30.12	63	NE	2	bc	30.12	+ .06	63	57	- 2	WSW	2	bc	1	75	55	-		
The Helder ...	*	*	*	*	*	30.10	+ .04	66	60	+ 2	SW	1	bc	*	*	*	-		
Cape Gris Nez ...	30.15	59	SW	3	bc	30.17	+ .06	63	61	+ 1	Z	o	bc	0	73	54	-		
Brest ...	30.22	63	SW	1	o	30.21	- .01	57	55	+ 2	WSW	1	o	2	63	54	-		
L'Orient ...	30.19	61	WNW	3	bc	30.19	- .04	59	57	+ 5	N	2	bc	7	66	55	-		
Rocheport ...	30.12	70	WNW	3	bc	30.11	- .04	72	68	+ 8	W	1	bc	2	88	54	-		
Biarritz ...	30.10	72	NE	2	bc	30.12	- .08	64	63	+ 1	Z	o	f	3	79	66	-		
Corunna ...	*	*	*	*	*	30.16		60	*		Z	o	f	1	*	*	*		
Brussels ...	*	*	*	*	*	30.14	+ .06	65	*	- 6	NW	1	bc	*	*	*	-		
Charleville ...	*	*	*	*	*	30.08	+ .02	74	*	+ 6	SE	1	bc	*	*	*	*		
Paris ...	30.12	76	WNW	2	o	30.13	+ .03	72	*	- 1	NNE	1	bc	*	*	*	0.04		
Lyons ...	*	*	*	*	*				*					*	*	*	*		
Toulon ...	30.13	75	W	2	bc	30.16	.00	72	61	o	E	2	bc	2	79	?	-		

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.87	54	52	S	6	o	5	Valencia .....	29.95	57	55	S	5	og	bc
Thurso .....	29.68	62	54	WSW	5	c	4	Scilly .....							
Scarborough ...	30.02	67	57	SW	2	bc	2	London .....	30.12	72	61	WSW	2	bc	*
Greencastle ...	29.83	61	56	SW	2	o	*	Rocheport ...	30.17	68	64	SW	3	bc	2
Holyhead .....	30.05	59	56	SSW	4	c.	3								

The barometer has risen a little at all stations, but is still somewhat unsteady in the islands, where its tendency is to fall again. S to SW winds prevail generally, with fine warm weather at our Eastern 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.

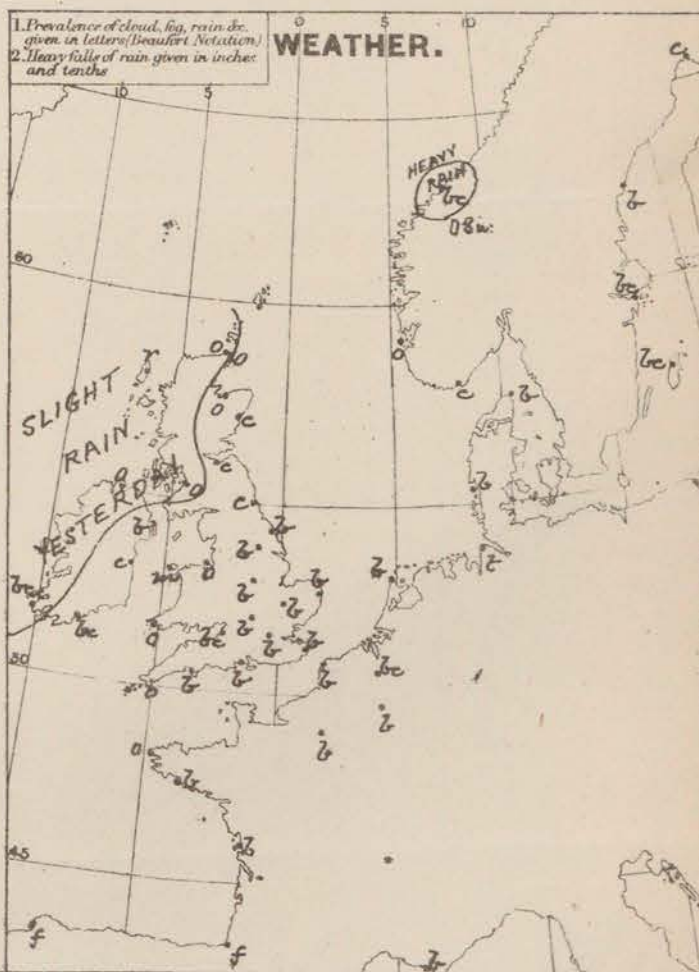
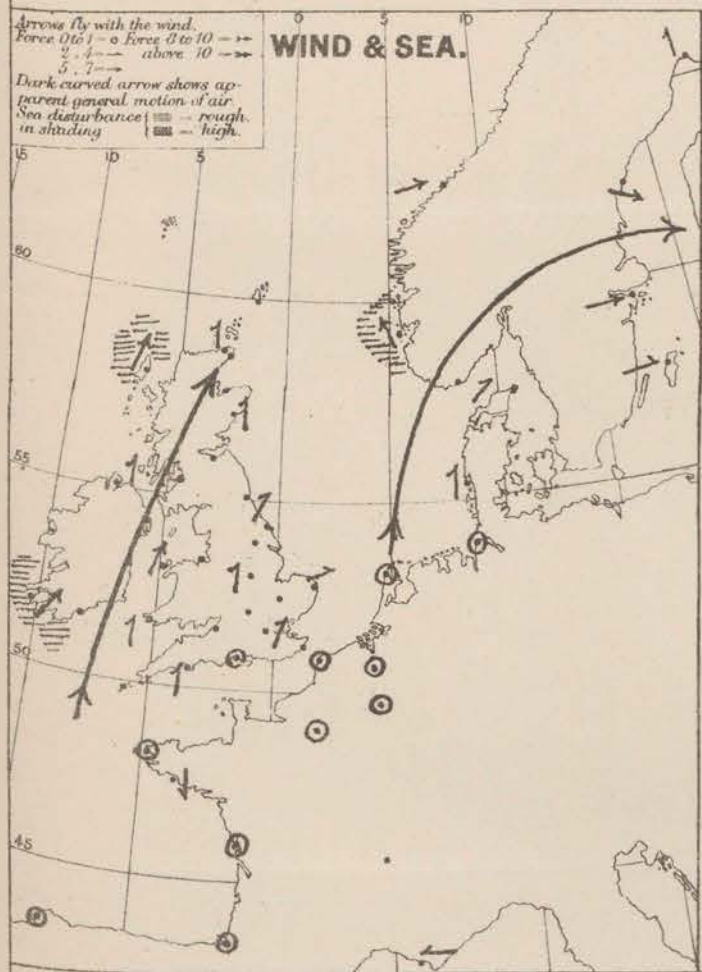
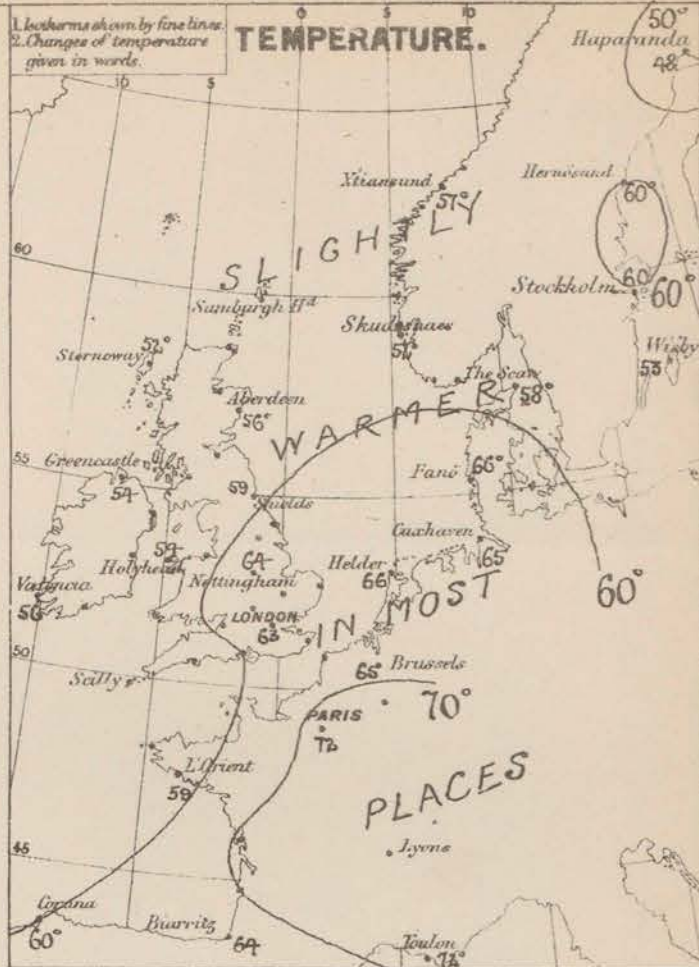
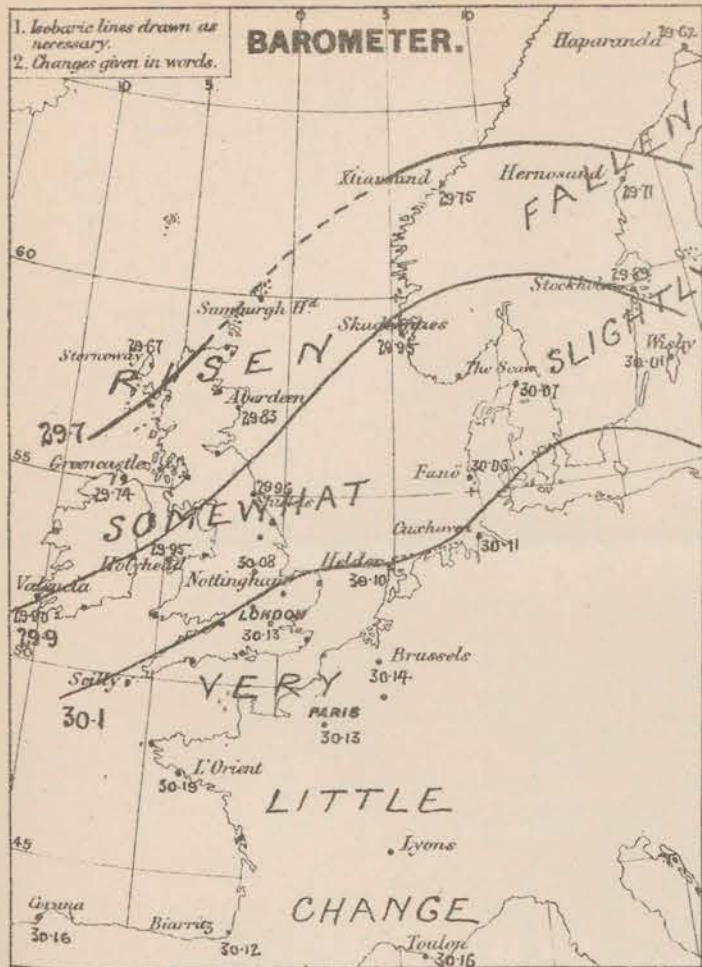
\* AN ASTERISK is inserted in all places for which information is not usually received.

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



WEATHER CHARTS for 8 a.m. on Sunday JUNE 10<sup>TH</sup> 1877.



REMARKS. The changes in the weather over the British Isles and their neighbourhoods continues very slight. The barometer is still highest over France, and the Bay of Biscay, and lowest off the NW. coast of Scotland. Pressures are moderate in the N. and W. but very slight elsewhere. SE & SW winds prevail over the United Kingdom, and are fresh to strong in the W. and NW. Over Scandinavia the wind is more W., and calms and variable air are reported from France. Temperature has risen slightly in most places, and is high in the NE. of France, where, as well as in the SE. of England the weather is very clear and bright. A good deal of cloud is reported from the W. and N. with slight rain yesterday. The sea is rough off the W. coasts of Ireland and Scotland, slight on all other coasts.

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

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



# DAILY WEATHER REPORT

JUNE 11<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda	29.64	49	SW	4	c	29.58	-.04	53	50	+ 5	S	2	bc	*	*	*	-	
Hernösand	29.71	52	W	2	c	29.62	-.09	54	52	- 6	Z	0	o	*	*	*	0.04	
Stockholm	29.85	62	W	4	b	29.73	-.16	63	54	+ 3	W	6	b	*	*	*	-	
Wisby	29.90	62	SW	4	bc	29.88	-.13	53	50	0	W	4	b	*	*	*	-	
Christiansund	29.68	52	SW	3	f	29.65	-.10	52	49	- 5	WSW	4	o	3	57	43	-	
Skudesnaes	29.86	57	SSE	4	o	29.91	+.04	58	54	+ 6	SSW	2	o	3	?	?	-	
Oxö (Xtiansand)	29.91	53	SW	4	o	29.93	+.11	52	49	0	SW	4	b	2	57	48	-	
Skagen (Tao Seaw)	29.92	57	SSW	2	b	29.96	+.11	58	54	0	W	4	b	3	64	48	-	
Fanö	30.01	56	W	4	b	30.02	+.04	64	59	- 2	W	4	bc	*	70	54	-	
Cuxbaver	30.11	57	WSW	4	b	30.12	+.01	68	63	+ 3	SSW	2	b	*	54	54	0.16	
Sumburgh Head																		
Stornoway	29.63	52	SW	7	f	29.82	+.15	57	49	- 1	WSW	5	cg	5	57	45	0.11	
Thurso	29.68	58	SSW	2	bc	29.78	+.06	54	48	- 4	WSW	5	c	4	63	46	0.23	
Wick	29.71	58	SW	3	c	29.82	+.10	54	50	0	SSW	3	bc	2	61	48	0.04	
Nairn	29.75	60	SSW	4	bc	29.84	+.08	52	48	- 6	SSW	1	bc	1	64	50	0.02	
Aberdeen	29.76	64	WSW	3	b	29.88	+.05	57	49	+ 1	WSW	3	b	1	65	50	-	
Leith	29.81	63	WSW	4	b	29.95	+.11	56	53	- 2	W	3	b	*	69	50	-	
Shields	29.93	65	W	5	b	30.02	+.06	56	54	- 3	SW	3	cm	2	65	52	-	
York	30.00	65	SW	3	b	30.07	+.03	59	54	- 2	W	2	bc	*	68	50	-	
Scarborough	29.97	65	SW	2	bc	30.04	+.04	57	52	- 7	WSW	2	b	1	69	52	-	
Nottingham	30.06	65	SW	3	b	30.11	+.03	65	60	+ 1	W	2	o	*	73	49	-	
Ardrossan	29.87	57	SSW	2	c	29.98	+.13	54	51	0	SW	2	bc	2	59	52	0.04	
Greencastle	29.84	59	W	3	o	29.97	+.26	54	57	0	SW	2	c	*	64	46	0.10	
Donaghadee	29.91	62	SW	2	b	30.02	+.18	58	55	+ 2	WSW	4	c	3	68	57	-	
Kingstown	29.93	66	SW	4	bc	30.05	+.15	59	54	+ 1	W	1	c	2	68	55	-	
Holyhead	29.99	59	SW	4	b	30.07	+.12	55	54	+ 1	SW	4	o	4	61	51	-	
Liverpool (Bidston)	30.01	63	SW	4	b	30.07	+.07	59	53	+ 1	WSW	3	b	2	66	53	-	
Valencia	29.97	56	WSW	5	o	30.04	+.14	55	54	- 1	WSW	1	fm	1	59	52	0.04	
Roche's Point	30.01	65	WSW	4	bc	30.06	+.08	57	54	+ 1	SW	3	o	3	67	53	-	
Pembroke	30.06	56	SSW	3	c	30.08	+.06	56	56	+ 2	Z	0	c	2	60	54	-	
Portishead	30.08	61	WSW	2	o	30.11	+.01	62	59	+ 1	SW	2	o	1	71	48	-	
Scilly																		
Plymouth	30.13	60	SW	1	o	30.11	-.02	60	58	+ 1	SE	1	om	*	64	54	-	
Hurst Castle	30.15	61	SW	3	b	30.12	+.03	58	58	- 2	Z	0	f	0	62	52	-	
Dover	30.10	61	WSW	2	b	30.11	-.04	62	58	+ 2	SSW	1	b	0	65	55	-	
London	30.08	73	SW	1	b	30.12	-.01	66	61	+ 3	Z	0	mb	*	79	52	-	
Oxford	*	*	*	*	*	30.12	.00	59	58	- 2	NNW	1	o	*	76	50	-	
Cambridge	30.06	71	SW	1	bc	30.12	.00	65	61	+ 3	WSW	1	c	*	77	50	-	
Yarmouth	30.06	64	S	3	b	30.12	.00	65	60	+ 2	NNW	1	bm	0	72	58	-	
The Helder	*	*	*	*	*	30.10	.00	66	61	0	SSW	1	b	*	*	*	-	
Cape Gris Nez	30.12	63	SW	1	b	30.12	-.05	61	59	- 2	S	1	m	0	68	54	-	
Brest	30.20	66	NNW	3	b	30.12	-.09	59	57	+ 2	ENE	3	b	3	?	52	-	
L'Orient	30.16	63	NW	3	b	30.05	-.14	61	59	+ 2	ENE	3	bc	3	66	?	-	
Rochefort	30.10	70	NW	3	b	30.01	-.10	72	68	0	SE	3	b	2	87	61	-	
Biarritz	30.10	70	W	3	o	30.01	-.11	66	64	+ 2	Z	0	m	3	?	59	-	
Corunna	*	*	*	*	*										*	*	*	
Brussels	*	*	*	*	*	30.09	-.05	71	*	+ 6	NNW	1	b	*	*	*	*	
Charleville	*	*	*	*	*	30.04	-.04	76	*	+ 12	SSE	1	b	*	*	*	*	
Paris	30.08	64	W	2	b	30.10	-.03	76	*	+ 4	NNW	1	b	*	*	*	-	
Lyons	*	*	*	*	*	30.09		73	*		E	2	b	*	*	*	*	
Toulon	30.11	81	SW	1	b	30.12	-.04	87	64	+ 9	SE	1	b	2	95	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	29.88	54	49	SSE	4	of	4	Valencia					
Thurso								Scilly					
Scarborough								London					
Greencastle							*	Rochefort	30.10	72	66	NN	4
Holyhead													3

## EXPLANATION OF COLUMNS.

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

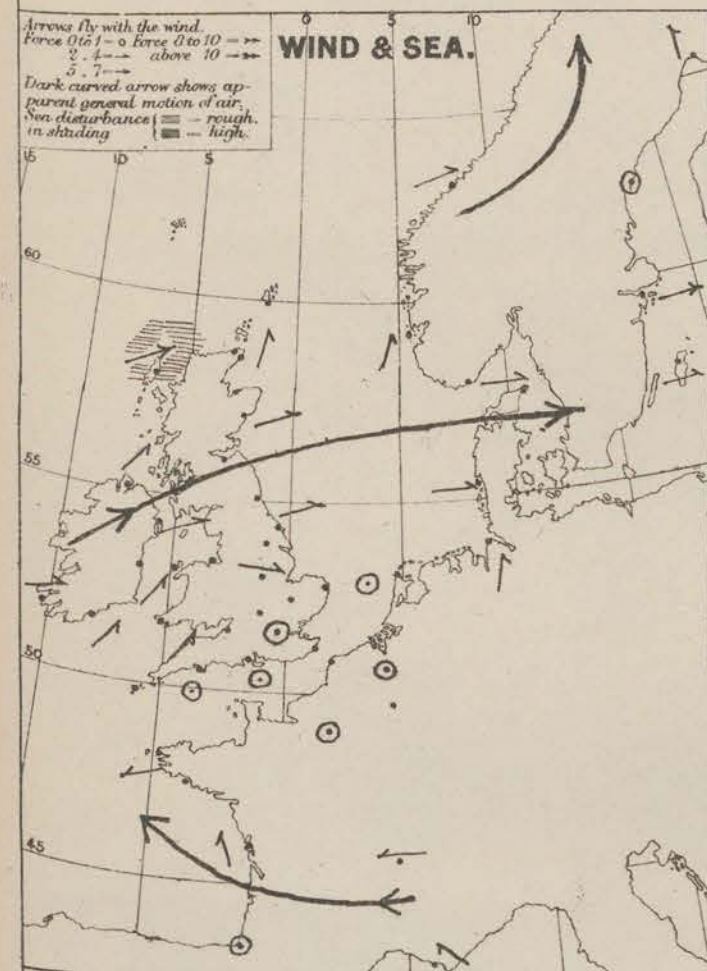
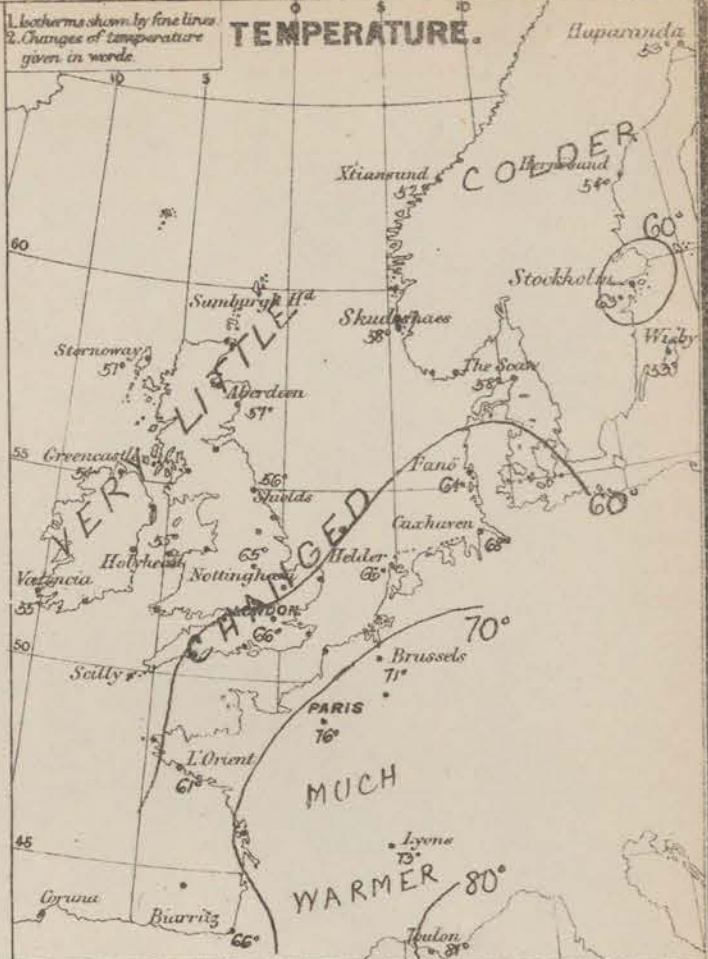
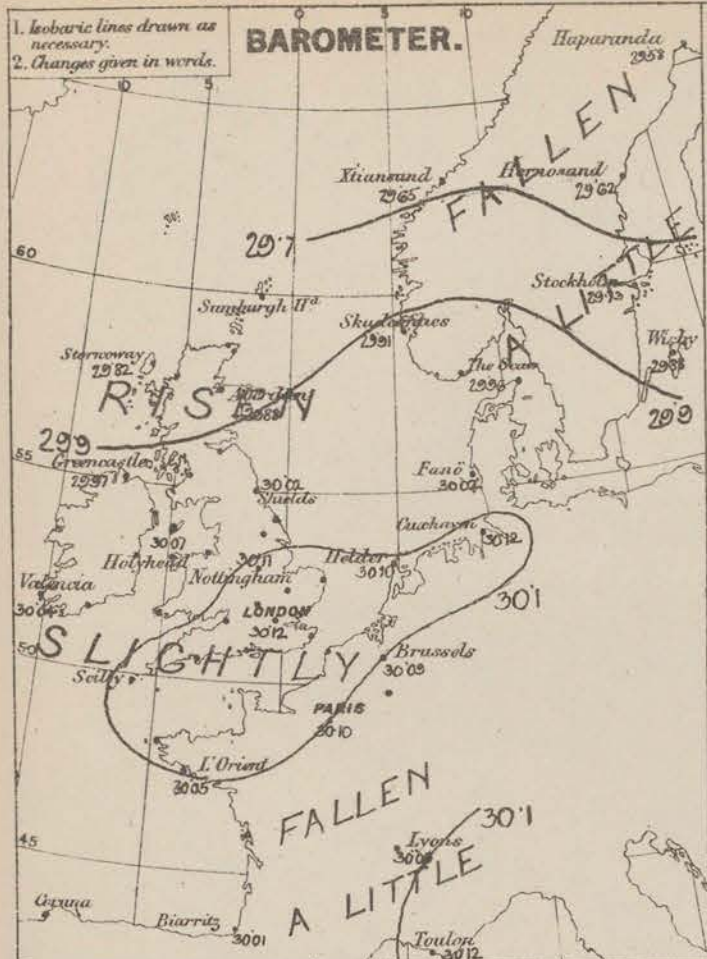
\* AN ASTERISK is inserted in all places for which information is not usually received.

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

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



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





# DAILY WEATHER REPORT

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		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 ...	29.57	45	S	2	c	29.45	-13	55	30	+ 2	NW	2	c	*	*	*	-	
Hernösand ...	29.64	58	NNW	2	bc	29.62	00	56	48	+ 2	NN	4	bc	*	*	*	0.04	
Stockholm ...	29.74	62	W	6	bc	29.70	-08	59	57	- 4	NNW	6	bc	*	*	*	-	
Wistby ...	29.88	56	W	11	bc	29.82	-06	51	49	- 2	NNW	6	bc	*	*	*	-	
Christiansund ...	29.73	50	NNW	6	c	29.80	+15	57	47	- 1	WSW	7	bc	3	54	43	-	
Skudesnaes ...	29.95	53	WSW	3	bc	30.01	+10	53	49	- 5	WSW	2	c	3	57	52	-	
Oxö (Ålansand) ...	29.92	53	ESE	4	bc	29.99	+06	52	47	0	SW	4	bc	2	55	47	-	
Skagen (The Sw.) ...	29.94	54	NNW	5	c	29.95	-01	55	49	- 3	NNW	5	bc	4	66	48	-	
Fanö ...	30.02	54	W	1	bc	30.01	-01	59	55	- 5	E	2	bc	*	66	52	-	
Cuxhaven ...	30.09	5	N	1	bc	30.03	-09	62	60	- 6	ENE	4	c	*	*	59	-	
Sumburgh Head ...																		
Stornoway ...	29.94	55	W	3	bc	29.99	+17	52	50	+ 1	NNW	1	bc	2	57	42	0.07	
Thurso ...	29.94	50	W	2	T	29.99	+21	53	49	- 1	Z	0	bc	1	58	47	0.15	
Wick ...	29.97	52	NNW	2	bc	30.00	+18	50	49	- 4	Z	0	c	0	59	45	0.03	
Nairn ...	29.95	60	SSW	3	bc	30.00	+16	55	49	+ 3	N	2	c	1	62	46	-	
Aberdeen ...	29.95	61	E	2	bc	29.98	+10	57	50	0	N	1	bc	1	66	45	-	
Leith ...	30.01	60	W	2	bc	30.01	+06	55	50	- 1	W	1	bc	*	66	45	-	
Shields ...	30.03	64	NNW	3	bc	30.03	+01	52	50	- 4	E	2	fm	1	67	57	0.02	
York ...	30.05	64	W	1	c	29.98	-09	54	54	- 5	NNW	1	bc	*	76	52	0.12	
Scarborough ...	30.01	56	SSE	1	c	30.00	-04	52	51	- 5	NE	2	bc	2	70	57	0.11	
Nottingham ...	30.06	69	SSE	1	bc	29.94	-17	57	57	- 8	N	3	bc	*	77	55	0.11	
Ardrossan ...	30.03	59	W	2	c	30.03	+05	55	50	+ 1	SSW	1	bc	0	61	48	-	
Greencastle ...	30.04	56	NN	2	c	30.02	+05	54	51	0	N	1	bc	*	63	43	-	
Donaghadee ...	30.05	56	WSW	3	bc	30.02	00	53	51	- 5	N	3	bc	3	65	49	-	
Kingstown ...	30.06	60	SE	3	c	30.02	-03	54	51	- 5	N	3	c	2	62	52	0.01	
Holyhead ...	30.07	58	SW	2	c	29.95	-12	54	53	- 1	NNE	4	m	3	64	53	0.04	
Liverpool (Bidston) ...	30.08	58	NNW	1	c	29.96	-11	54	52	- 5	NE	2	bc	1	63	54	0.06	
Valencia ...	30.04	56	NNW	1	c	29.99	-05	55	52	0	NE	3	c	3	61	57	0.13	
Roche's Point ...	30.02	61	SW	1	c	29.96	-10	57	54	0	NE	2	c	2	65	53	0.04	
Pembroke ...	30.07	56	WNW	1	c	29.87	-21	58	56	+ 2	NE	1	c	1	67	54	0.04	
Portishead ...	30.02	64	WSW	2	bc	29.87	-24	60	60	+ 2	ENE	1	bc	1	72	56	0.24	
Scilly ...																		
Plymouth ...	30.00	64	S	1	bc	29.83	-28	64	62	+ 4	E	1	c	*	69	59	0.18	
Hurst Castle ...	30.00	69	NW	1	bc	29.87	-25	65	63	+ 7	ESE	3	c	2	72	52	0.53	
Dover ...	29.93	63	E	3	bc	29.88	-23	59	58	- 3	E	3	bc	3	68	57	0.63	
London ...	30.02	75	E	2	bc	29.89	-23	69	65	+ 3	ESE	2	bc	*	83	58	0.36	
Oxford ...	*	*	*	*	*	29.90	-22	65	62	+ 6	Z	0	c	*	80	59	-	
Cambridge ...	30.02	78	N	1	bc	29.92	-20	63	61	- 2	ESE	1	c	*	80	56	0.04	
Yarmouth ...	30.10	62	E	1	bc	29.94	-18	56	55	- 9	ENE	3	bc	2	66	53	0.25	
The Helder ...	*	*	*	*	*	30.02	-08	58	55	- 8	E	2	bc	*	*	*	0.08	
Cape Gris Nez ...	30.03	68	NNE	3	bc	29.86	-26	66	64	+ 5	E	3	bc	2	68	52	0.57	
Brest ...	29.99	68	NE	4	c	29.91	-21	57	57	- 2	N	2	m	3	73	54	-	
L'Orient ...																		
Rochefort ...	29.87	77	NN	1	bc	29.89	-12	68	64	- 4	NNW	2	bc	2	?	64	?	
Biarritz ...	29.83	82	NE	2	bc	29.92	-29	70	66	+ 4	ENE	1	bc	3	93	63	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.92	-17	64	*	- 7	NE	3	c	*	*	*	-	
Charleville ...	*	*	*	*	*	29.84	-20	76	*	0	S	3	bc	*	*	*	-	
Paris ...	29.97	86	E	3	bc	29.89	-21	73	*	- 3	ENE	3	c	*	*	*	-	
Lyons ...	*	*	*	*	*	30.01	-08	77	*	+ 4	NE	2	bc	*	*	*	*	
Toulon ...	30.07	84	S	1	bc	30.04	-08	79	66	- 2	E	1	bc	0	95	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.90	54	57	SW	4	bc	3	Valencia .....	30.05	58	55	S	2	op	3
Thurso .....	29.88	53	50	WNW	3	c	4	Scilly .....							
Scarborough ...	30.04	68	58	W	2	bc	1	London .....	30.05	76	65	E	1	fm	*
Greencastle ...	30.01	57	53	NW	1	c	*	Rochefort ...	29.94	90	72	S	1	a	2
Holyhead .....	30.07	62	58	SSW	3	bc	2								

The barometer continues to rise over the N.W. part of Ireland and Scotland, but has fallen seven hundredths of an inch in London, where E & S have shown themselves. The weather remains very fine.

## EXPLANATION OF COLUMNS.

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

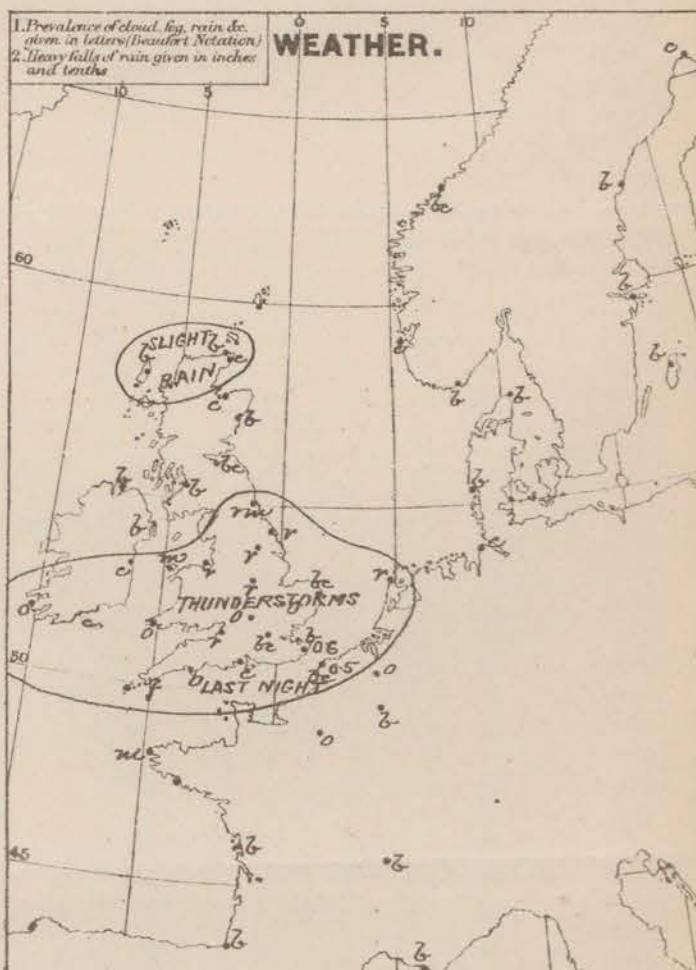
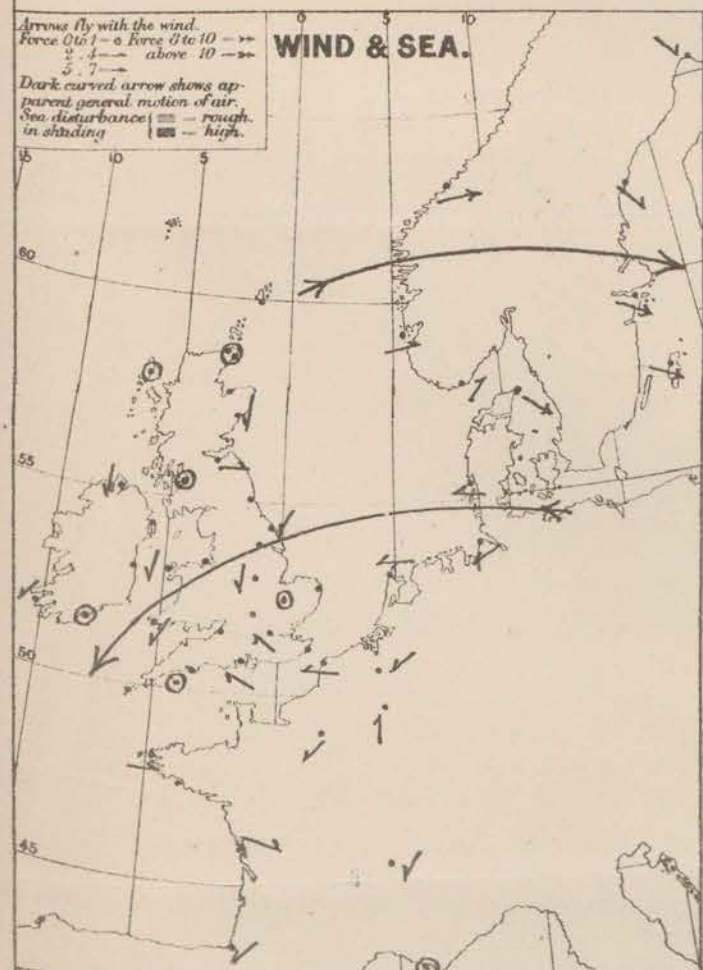
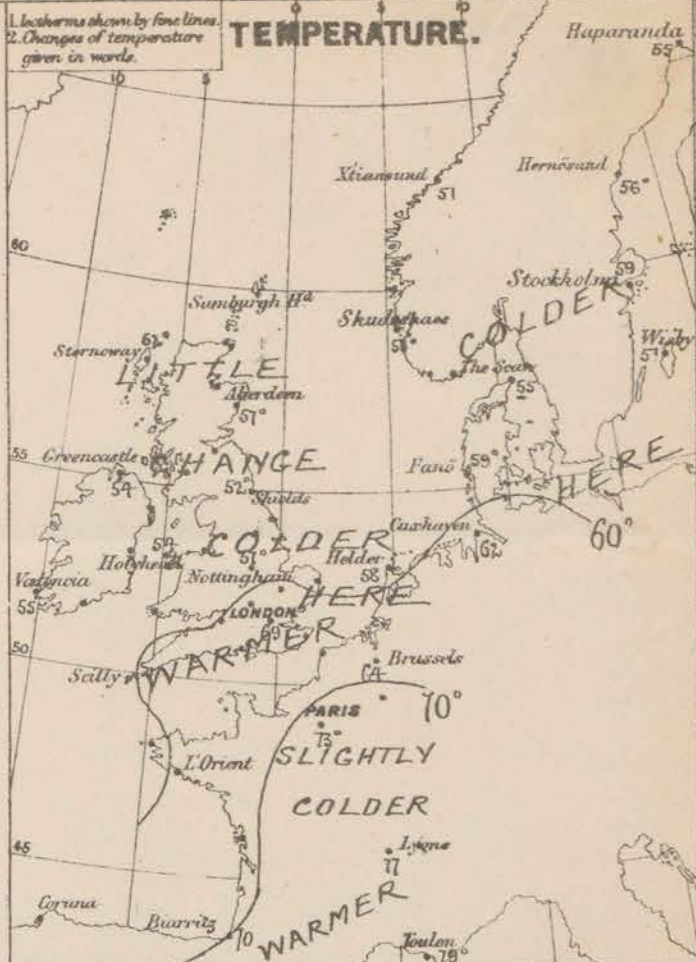
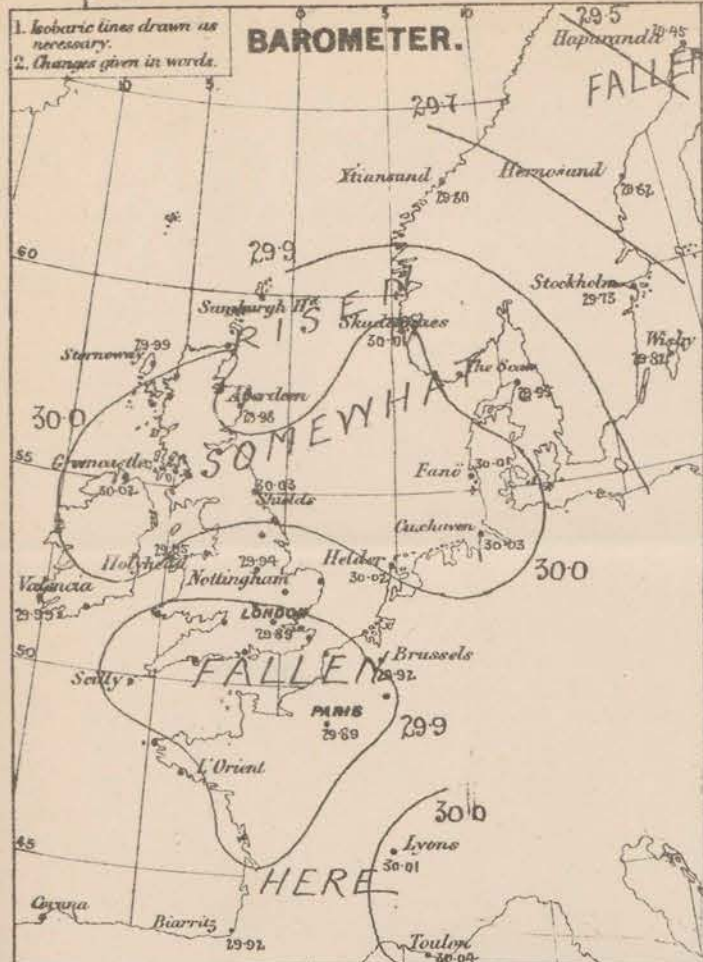
\* AN ASTERISK is inserted in all places for which information is not usually received.

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

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



WEATHER CHARTS for 8 a.m. on Tuesday 12<sup>th</sup> JUNE 1877.



REMARKS Since yesterday morning the barometer has risen at all our N<sup>o</sup> stations, and in the W. of Norway, whilst it has fallen at all the S<sup>o</sup> stations. In the Channel the fall amounts to a quarter of an inch, and while readings are as there whole uniform over the United Kingdom and France, the centre of a very shallow depression has been formed over the Channel. The wind has consequently become southerly (except in Scandinavia) and has shifted to the E<sup>nd</sup> in all our S<sup>o</sup> and W<sup>o</sup> countries; elsewhere it is variable. In Norway and Sweden, W. winds prevail, and blow freshly at some stations. The barometer has changed very irregularly. During yesterday it rose to 30<sup>o</sup> at Oxford and Cambridge, 29<sup>o</sup> in London, 29<sup>o</sup> at Rochfort, 29<sup>o</sup> at Reading, and 29<sup>o</sup> at Dover. It is still very high in the S. and E., though it fell temporarily to 28<sup>o</sup> in London last night. Thunderstorms occurred over the Central and E<sup>o</sup> parts of England last night, accompanied by rather heavy rain. The sky is now much more cloudy than of late at all but the N<sup>o</sup> stations, and the weather is close and unsettled. The sea is smooth.

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

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

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



## DAILY WEATHER REPORT

JUNE 13<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					3 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 350 F. and Sea Level.	Difference from 3 a.m. yesterday.	Dry.	Wet.	Difference from 3 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.52	45	NW	4	f	29.69	+ .24	50	47	- 5	NNE	6	0	*	*	*	0.24	
Hernösand ...	29.75	52	NW	2	f	29.78	+ .16	50	41	- 6	NW	4	f	*	*	*	-	
Stockholm ...	29.73	61	Z	0	bc	29.79	+ .09	50	45	- 9	NNE	4	f	*	*	*	-	
Wisby ...	29.82	56	SW	4	c	29.76	- .06	53	50	+ 2	W	4	0	*	*	*	-	
Christiansund ...	29.90	48	NNE	2	f	29.96	+ .16	52	46	+ 1	NE	2	bc	2	52	43	0.28	
Skudesnaes ...	29.93	51	NW	2	f	29.95	- .06	53	48	0	NNW	6	f	3	54	?	-	
Oxö (Xtiansand) ...	29.85	54	SW	4	bc	29.78	- .21	54	47	+ 2	NNW	4	bc	2	55	45	-	
Skagen (The Scaw) ...	29.86	53	W	4	0	29.77	- .18	53	48	- 2	WNW	3	f	1	63	48	-	
Fanö ...	29.92	54	N	2	c	29.89	- .12	53	52	- 6	NNW	4	c	*	63	52	0.04	
Cuxhaven ...	29.86	54	ENE	4	f	29.93	- .10	58	53	- 4	ENE	3	0	*	54	55	0.21	
Sumburgh Head																		
Stornoway	30.00	54	N	1	f	29.99	00	55	52	+ 3	S	1	f	2	56	58	-	
Thurso ...	30.00	55	Z	0	f	30.00	+ .01	57	52	+ 4	S	2	f	1	60	41	-	
Wick ...	30.00	56	SE	1	bc	30.02	+ .02	53	51	+ 3	SE	1	f	0	58	43	-	
Nairn ...	30.00	60	Z	0	f	30.03	+ .03	54	45	- 1	Z	0	f	0	63	42	-	
Aberdeen ...	29.99	52	E	1	0	30.04	+ .06	55	51	- 2	SSE	2	f	1	60	40	0.14	
Leith ...	29.97	54	ESE	2	f	30.07	+ .06	58	54	+ 3	ESE	2	bc	*	67	44	-	
Shields ...	30.00	49	E	1	0	30.07	+ .04	53	50	+ 1	NE	2	f	1	54	45	0.11	
York ...	29.98	54	ENE	1	0	30.06	+ .08	54	53	0	NE	1	0	*	55	50	0.38	
Scarborough ...	29.98	51	NE	2	f	30.07	+ .07	52	51	0	NNE	2	c	2	52	49	0.24	
Nottingham ...	29.95	54	NNE	3	0	30.05	+ .11	59	55	+ 2	SE	4	0	*	60	54	0.08	
Ardrossan ...	29.97	60	NW	3	bc	30.03	00	59	54	+ 4	ESE	1	bc	0	64	48	-	
Greencastle ...	30.00	56	NNE	2	f	30.01	- .01	54	51	0	S	1	c	*	61	44	-	
Donaghadee ...	30.00	55	NNE	4	f	30.04	+ .02	55	52	+ 2	NNE	3	f	2	62	50	-	
Kingstown ...	30.00	59	NE	3	f	30.04	+ .02	53	50	- 1	NE	1	f	1	60	51	-	
Holyhead ...	29.95	55	NNE	4	c	30.01	+ .06	58	57	+ 4	ENE	3	c	2	58	51	-	
Liverpool (Bidston) ...	29.95	57	ENE	1	0	30.03	+ .07	55	53	+ 1	ENE	1	0	1	58	57	0.02	
Valencia ...	29.99	59	NNW	3	c	30.01	+ .02	60	56	+ 5	Z	0	c	1	64	50	-	
Roche's Point...	29.99	66	E	1	bc	30.01	+ .05	60	55	+ 3	ESE	3	m	2	67	50	-	
Pembroke ...	29.89	61	NNE	2	f	29.98	+ .11	59	56	+ 1	Z	0	bc	1	63	53	-	
Portishead ...	29.87	63	NNE	3	0	29.98	+ .11	56	55	- 4	N	4	om	3	64	53	0.01	
Seilly ...																		
Plymouth ...	29.86	62	SSW	1	0	29.94	+ .11	63	61	- 1	SW	1	of	*	68	59	-	
Hurst Castle ...	29.86	62	SW	3	f	29.96	+ .09	60	59	- 5	E	2	f	2	70	46	-	
Dover ...	29.86	65	NE	3	f	29.97	+ .09	58	56	- 1	NE	4	og	3	68	58	-	
London ...	29.85	71	E	2	om	29.99	+ .10	59	57	- 10	E	2	og	*	77	58	-	
Oxford ...	*	*	*	*	*	29.99	+ .09	57	55	- 8	NE	1	0	*	71	55	-	
Cambridge ...	29.88	67	N	1	0	30.02	+ .10	56	54	- 7	NNE	1	0	*	72	54	0.02	
Yarmouth ...	29.83	57	ENE	3	f	30.01	+ .07	55	54	- 1	ENE	3	c	3	61	52	0.06	
The Helder ...	*	*	*	*	*	29.97	+ .05	58	55	0	NNE	2	bc	*	*	*	0.24	
Cape Gris Nez	29.86	62	NE	2	m	29.95	+ .09	59	57	- 7	NNE	2	m	1	77	55	-	
Brest ...	29.98	64	NW	1	m	29.99	+ .08	59	57	+ 2	E	1	m	3	?	51	-	
L'Orient ...																		
Rochefort ...	29.93	70	NW	4	bc	29.92	+ .03	70	68	+ 2	NE	3	f	2	81	61	-	
Biarritz ...	29.89	75	WNW	4	0	29.85	- .07	75	72	+ 5	ESE	1	bc	3	79	61	-	
Corunna ...	*	*	*	*	*												*	
Brussels ...	*	*	*	*	*	29.90	- .02	67	*	+ 3	NNW	3	0	*	*	*	0.04	
Charleville ...	*	*	*	*	*	29.79	- .05	73	*	- 3	SSE	1	f	*	*	*	*	
Paris ...	29.86	84	SW	3	bc	29.91	+ .02	73	*	0	NNW	3	c	*	*	*	-	
Lyons ...	*	*	*	*	*	29.98	- .03	75	*	- 2	SE	2	f	*	*	*	*	
Toulon ...	29.99	82	N	2	f	29.98	- .06	75	57	- 4	N	2	f	1	86	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	29.95	54	46	WNW	4	bc	3	Valencia .....	29.98	63	58	N	3	f	3
Thurso .....	30.01	58	52	NNE	1	f	1	Seilly .....							
Scarborough ...	29.98	51	51	ENE	2	f	2	London .....	29.86	73	67	E	1	m	*
Greencastle ...	30.02	57	51	N	1	f	*	Rochefort ...	29.95	72	66	NW	4	bc	3
Holyhead .....	29.95	56	54	NNE	4	0	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.

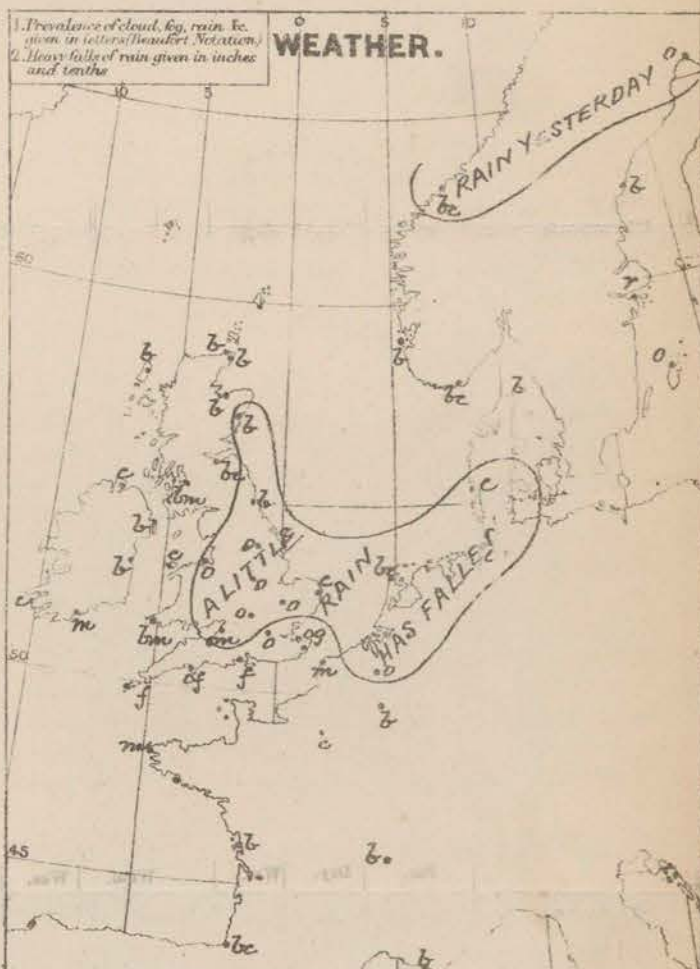
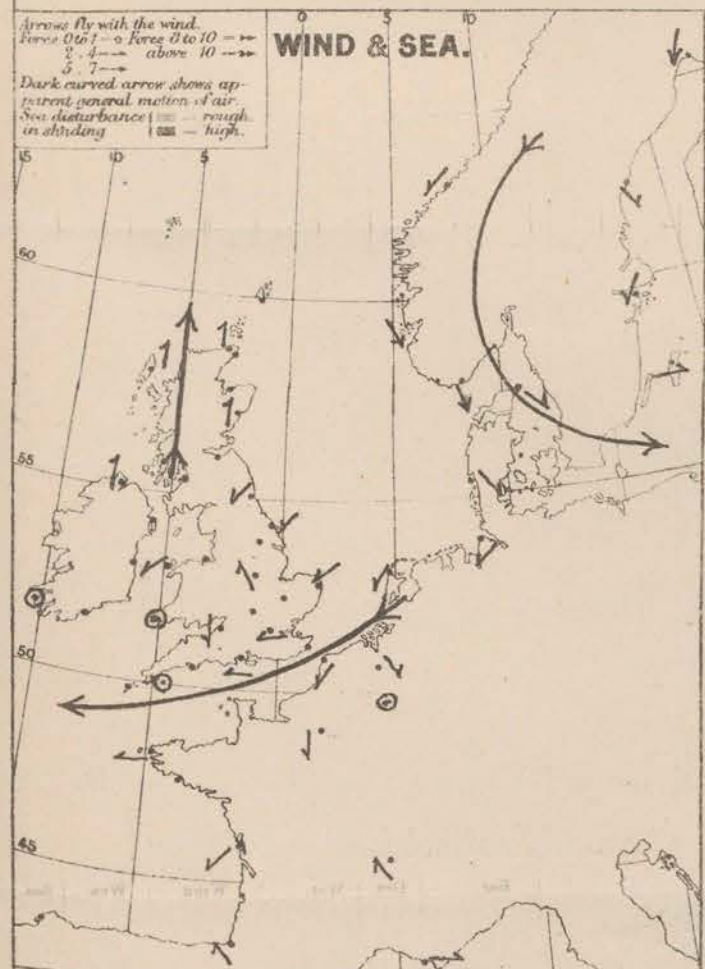
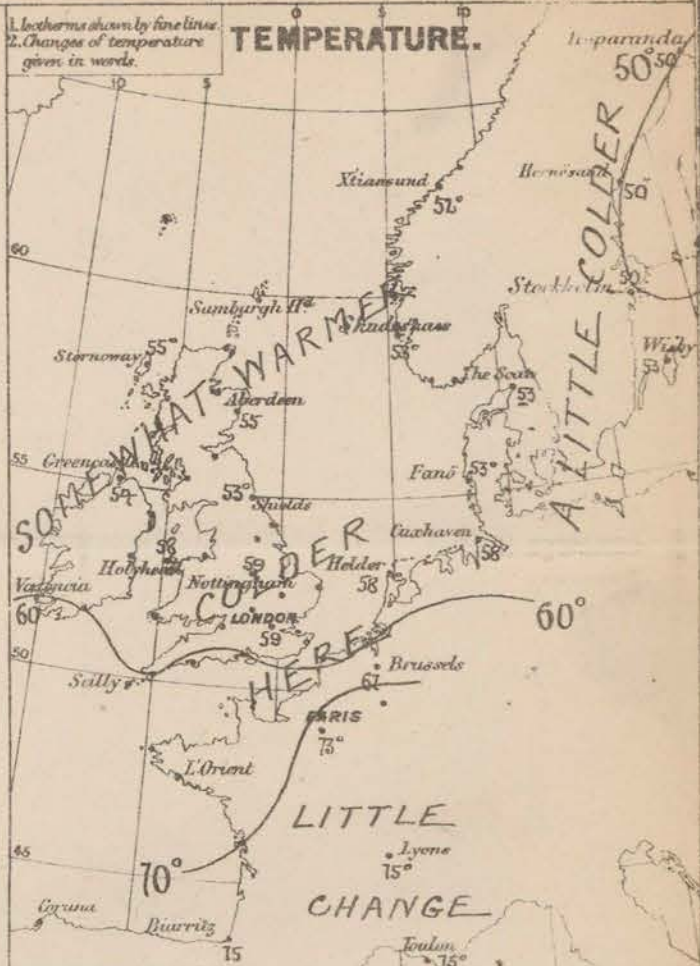
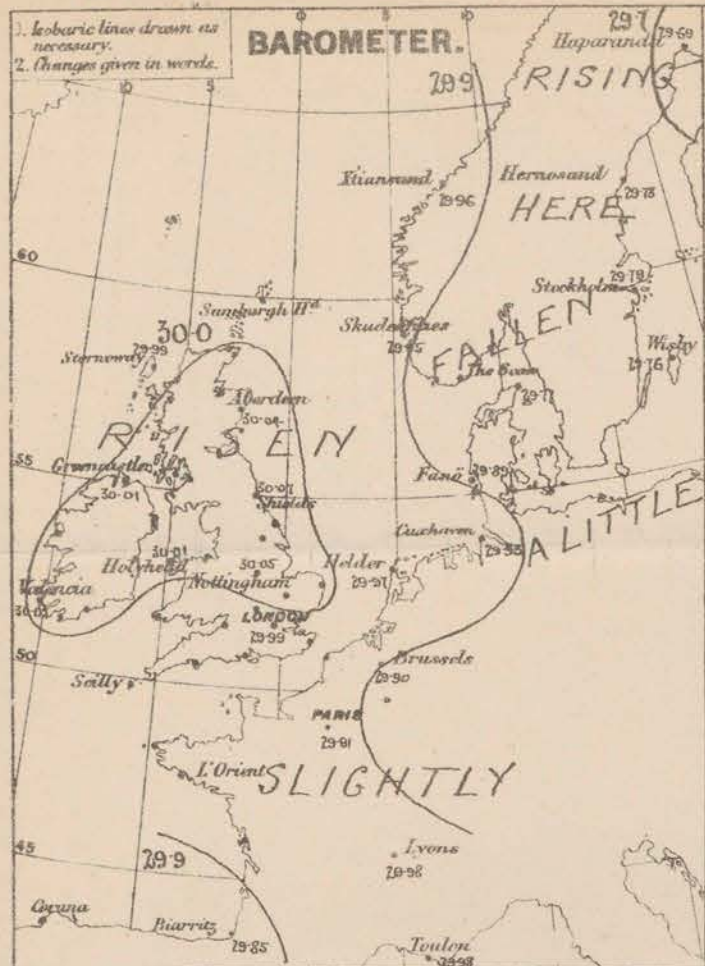
\* AN ASTERISK is inserted in all places for which information is not usually received.

† 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 Wednesday 13 JUNE 1877.



REMARKS. Since yesterday morning the barometer has risen a little over the whole of the United Kingdom, as well as in the N<sup>th</sup> parts of Norway and Sweden, while it has fallen slightly in Denmark and the Baltic. An area of high pressure covers the W<sup>th</sup> and N<sup>th</sup> parts of the United Kingdom, the gradients round it being slight and irregular. A light E<sup>ly</sup> wind is still felt on the SE and S<sup>th</sup> coasts, and very variable airs prevail in Ireland and Scotland, while on the E<sup>th</sup> shores of the North Sea the wind has veered to the NW<sup>th</sup>. Temperature has fallen briskly over our SE<sup>th</sup> countries - as much as 10° in London - but it is still high in France. Paris is 14° warmer than London, and 16° warmer than Oxford this morning. The sky is still clear at our N<sup>th</sup> stations, very cloudy and foggy in the S. A further fall of rain occurred in the E. and W. of England yesterday. The sea is smooth.

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

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



# DAILY WEATHER REPORT JUNE 14<sup>TH</sup> 1877.

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.
			Dir.	Force (0 to 12).			Reading at 32° F. and Sea Level.	Difference from yesterday.		Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.	
Haparanda ...	29.87	52	N	4	bc		29.96	+ .27	47	40	-	3	NE	4	c	*	*	*	-
Hernösand ...	29.92	50	E	2	bc		30.01	+ .23	54	7	-	4	W	2	c	*	*	*	-
Stockholm ...	29.87	50	NNW	6	bc		29.99	+ .20	59	50	+	9	NNE	2	bc	*	*	*	-
Wisby ...	29.81	47	NE	4	bc		29.93	+ .17	48	45	-	5	NNE	4	bc	*	*	*	-
Christiansund ...	30.06	52	NE	1	bc		30.15	+ .19	58	46	-	2	Z	0	c	?	43	-	-
Skudesnaes ...	30.04	50	NNW	6	c		30.14	+ .19	52	48	-	1	NNW	6	o	3	54	50	-
Oxö (Xtiansand) ...	29.96	55	SSW	4	bc		30.09	+ .32	55	51	+	1	ENE	2	bc	2	59	46	-
Skagen (The Scaur) ...	29.95	57	NNE	3	bc		30.08	+ .31	58	53	+	5	Z	0	bc	0	70	48	-
Fanö ...	30.01	52	NNW	5	bc		30.11	+ .22	58	54	+	5	NNW	4	bc	*	?	48	-
Cuxhaven ...	30.01	5	N	5	c		30.16	+ .23	63	58	+	5	ENE	1	bc	*	5	54	-
Sumburgh Head																			
Stornoway	30.01	60	SSW	1	bc		30.02	+ .03	54	51	-	1	Z	0	bc	0	62	40	-
Thurso ...	30.04	55	NNN	1	c		30.12	+ .12	56	51	-	1	Z	0	bc	0	64	42	-
Wick ...	30.04	59	S	1	bc		30.13	+ .11	58	54	+	5	E	1	bc	0	63	42	-
Nairn ...	30.01	62	Z	0	bc		30.14	+ .11	55	48	+	1	Z	0	bc	0	68	44	-
Aberdeen ...	30.06	54	S	3	bc		30.13	+ .09	56	53	+	1	S	2	bc	1	59	49	-
Leith ...	30.03	57	N	2	c		30.15	+ .08	59	55	+	1	E	1	bc	*	67	51	-
Shields ...	30.11	52	SE	2	bc		30.19	+ .12	52	50	-	1	SSW	3	fm	0	55	46	-
York ...	30.10	60	ESE	2	bc		30.21	+ .15	52	50	-	2	E	1	c	*	64	45	-
Scarborough ...	30.10	50	ESE	1	bc		30.20	+ .13	56	53	+	4	SE	1	bc	1	57	46	-
Nottingham ...	30.09	60	ESE	3	o		30.19	+ .14	56	53	-	3	ESE	3	c	*	65	44	-
Ardrossan ...	30.04	62	SSE	1	bc		30.13	+ .10	62	59	+	3	E	1	fm	0	65	51	-
Greencastle ...	30.01	63	ENE	2	bc		30.08	+ .07	62	58	+	8	SE	1	bc	*	66	50	-
Donaghadee ...	30.06	57	SSE	2	bc		30.13	+ .09	57	54	+	2	ESE	3	bc	2	62	50	-
Kingstown ...	30.05	59	NE	3	bc		30.09	+ .05	58	55	+	5	E	2	om	1	60	52	-
Holyhead ...	30.06	67	WSW	4	bc		30.08	+ .07	62	59	+	4	Z	0	o	0	68	56	-
Liverpool (Bidston) ...	30.04	61	ESE	2	c		30.14	+ .11	54	49	+	1	E	3	c	2	64	53	-
Valencia ...	29.98	64	NW	2	c		29.99	- .02	61	58	+	1	E	2	bg	3	71	53	0.04
Roche's Point ...	30.02	68	SE	3	bc		30.03	+ .02	60	56	o		ESE	4	om	3	70	58	-
Pembroke ...	29.99	63	Z	0	bc		30.05	+ .07	61	58	+	2	ESE	2	bc	1	66	57	-
Portishead ...	30.00	61	N	3	o		30.08	+ .10	56	53	o		NNE	3	o	3	62	52	-
Scilly ...																			
Plymouth ...	29.97	62	E	4	o		30.01	+ .07	59	56	-	4	SSW	5	o	*	69	58	-
Hurst Castle ...	29.98	63	E	2	m		30.05	+ .09	60	59	o		E	3	o	2	70	56	-
Dover ...	30.02	59	ENE	4	bc		30.10	+ .13	61	56	+	3	ENE	4	bc	3	63	54	-
London ...	30.03	66	E	3	bc		30.11	+ .12	59	55	o		ENE	3	c	*	66	51	-
Oxford ...	*	*	*	*	*		30.10	+ .11	57	54	o		ENE	1	o	*	63	51	-
Cambridge ...	30.06	61	E	1	o		30.16	+ .14	57	54	+	1	ENE	1	bc	*	66	43	-
Yarmouth ...	30.09	56	ENE	3	bc		30.18	+ .17	56	53	+	1	ENE	4	bc	3	59	57	-
The Helder ...	*	*	*	*	*		30.17	+ .20	57	54	+	1	NE	1	bc	*	*	*	-
Cape Gris Nez	30.00	57	NE	4	m		30.09	+ .14	59	55	o		ENE	3	bc	2	63	52	-
Brest ...	29.96	68	NNE	1	o		29.98	- .01	64	63	+	5	E	3	bc	2	73	64	-
L'Orient ...	29.91	73	NE	2	bc		29.94	- .03	66	63	+	5	E	3	bc	2	75	59	-
Rochefort ...	29.82	75	NW	2	c		29.88	- .06	70	70	+	3	SE	2	bc	2	81	61	?
Biarritz ...	29.89	72	N	5	o		29.85	- .04	66	64	-	9	NNW	1	bc	3	88	63	-
Corunna ...	*	*	*	*	*		29.84		67	*			NE	1	bc	1	*	*	*
Brussels ...	*	*	*	*	*		30.09	+ .19	55	*	-	12	E	3	bc	*	*	*	-
Charleville ...	*	*	*	*	*		29.98	+ .19	63	*	-	10	SE	3	bc	*	*	*	-
Paris ...	29.91	76	NE	3	bc		29.99	+ .08	67	*	-	6	NE	3	m	*	*	*	-
Lyons ...	*	*	*	*	*		29.96	- .02	76	*	+	1	E	2	bc	*	*	*	*
Toulon ...	29.91	79	N	3	bc		29.95	- .03	77	61	+	2	SW	3	bc	2	?	?	-

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes *	29.99	54	48	NNW	8	bc	3	Valencia .....	29.98	69	62	NNW	1	bc	2
Thurso .....	30.02	58	53	NW	2	bc	2	Scilly .....							
Scarborough ...	30.11	54	53	SSE	2	bc	2	London .....	30.03	63	58	E	2	o	*
Greencastle ...	30.02	62	55	E	2	bc	*	Rochefort ...	29.86	79	70	S	1	bc	2
Holyhead .....	30.02	64	60	ENE	3	bc	2								

*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. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

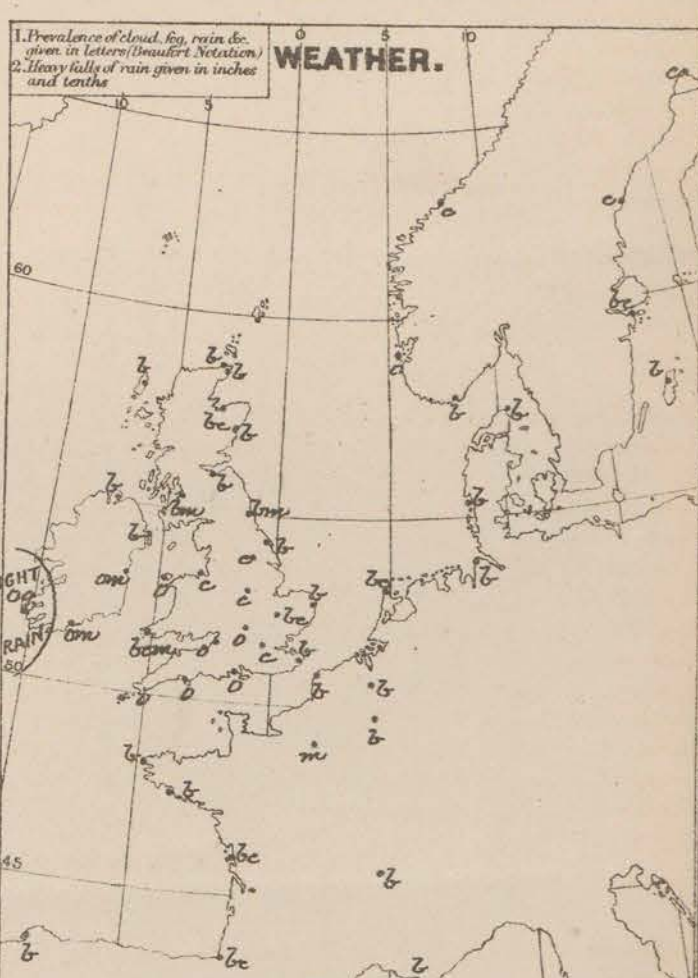
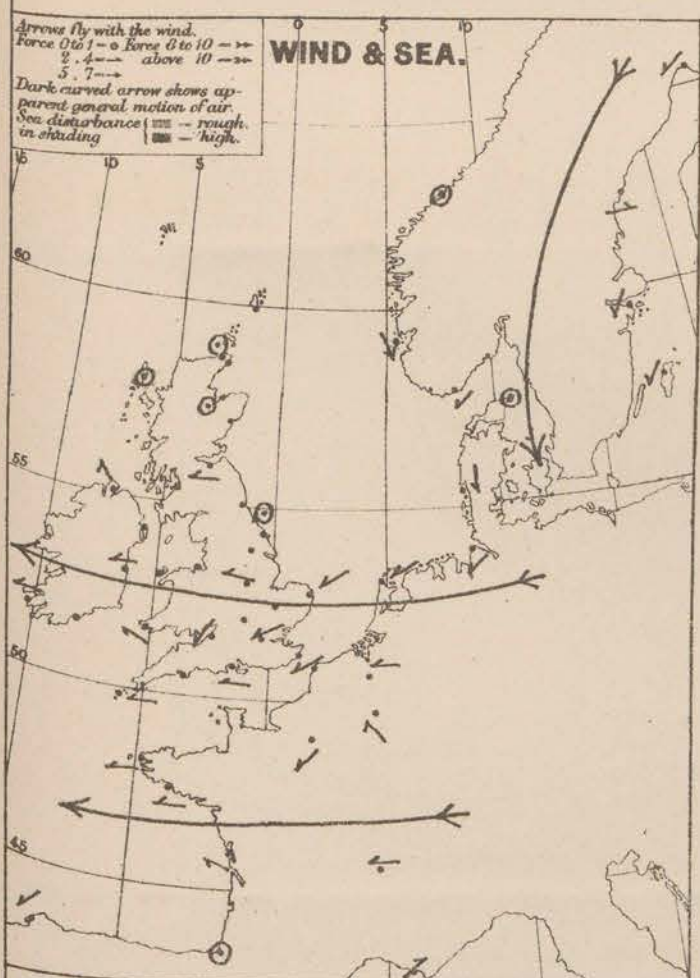
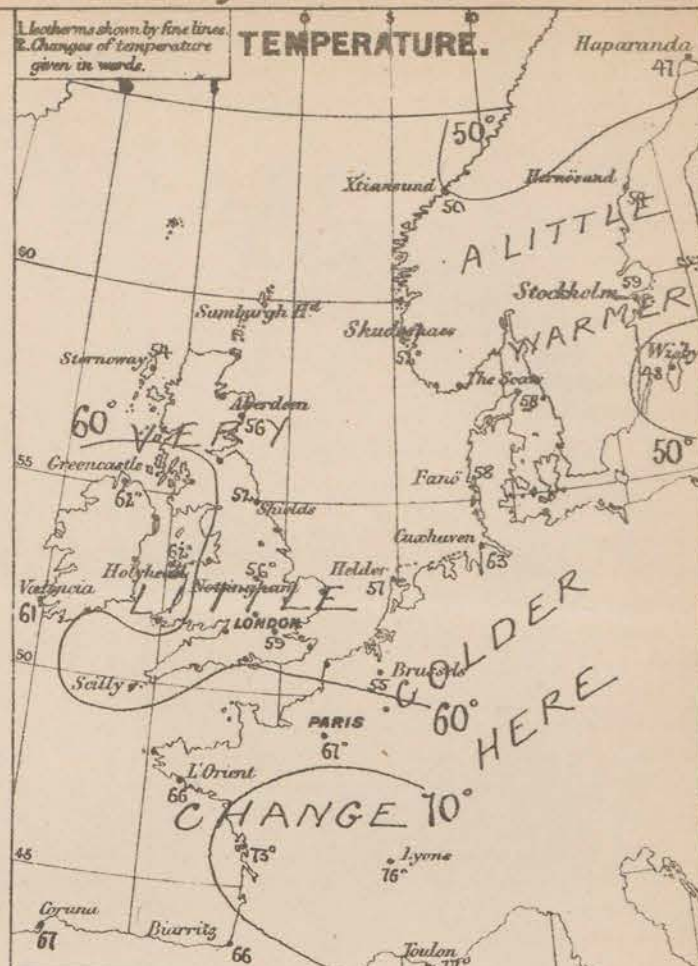
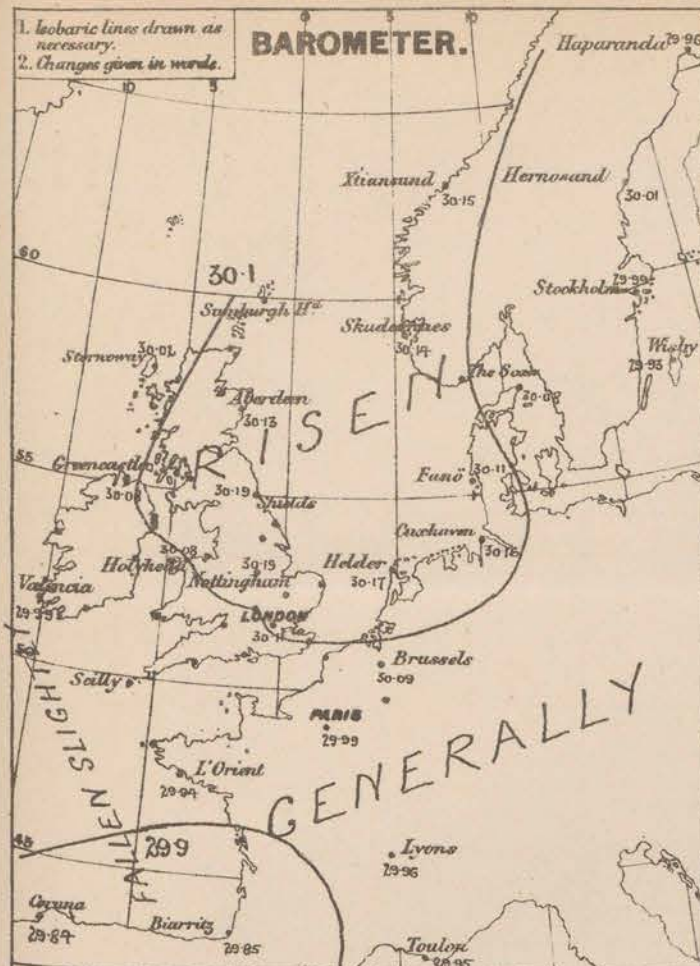
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† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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



WEATHER CHARTS for 8 a.m. on Thursday 14<sup>th</sup> JUNE 1877.



REMARKS. During the past night the barometer has fallen very slightly in the SW. of France, and at Valencia, while in all other places it has risen. Readings continue exceedingly uniform over W. Europe, but are still rather higher on our NE. coast, and rather lower over Spain than elsewhere. As consequence the wind is still generally E. over these Islands and France, and N. over Scandinavia. It is light in force in nearly all places, with the exception of a fall of about 10° in the Netherlands very little change has occurred in temperature. The sky is cloudy on our W. and SW. coasts, but is clear or nearly so elsewhere, and the weather is very dry, the only fall of rain which has occurred during the past 24 hours over the whole of W. Europe being 0.04 in. at Valencia. The sea is slight or smooth.

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

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



# DAILY WEATHER REPORT

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	30.06	51	N	2	z	30.16	+ .20	50	43	+ 3	N	4	z	*	*	*	-		
Hernösand ...	30.13	47	NE	2	v	30.20	+ .19	54	47	0	NE	2	v	*	*	*	-		
Stockholm ...	30.05	52	Z	0	f	30.19	+ .20	54	42	- 5	N	2	f	*	*	*	-		
Wisby ...	30.04	49	E	4	f	30.10	+ .17	48	46	0	N	4	f	*	*	*	0.20		
Christiansund ...	30.22	53	NE	2	bc	30.25	+ .10	57	51	+ 7	ESE	1	f	2	57	41	-		
Skudesnaes ...	30.13	52	NNW	8	f	30.22	+ .08	62	56	+ 10	SSE	2	f	2	?	52	-		
Oxö (Xtiansand) ...	30.05	57	SH	4	v	30.20	+ .10	59	50	+ 4	NE	4	f	2	63	50	-		
Skagen (The Scaw) ...	30.08	54	Z	0	v	30.18	+ .10	58	53	0	ENE	2	f	0	70	?	-		
Fanö ...	30.13	50	NNW	3	bc	30.13	+ .02	58	54	0	NNW	1	v	*	61	48	-		
Cuxhaven ...	30.19	?	N	3	f	30.19	+ .03	63	59	0	NNE	2	f	*	?	59	-		
Sumburgh Head																			
Stornoway	30.17	61	NE	1	f	30.18	+ .16	58	55	+ 4	Z	0	bc	0	63	44	-		
Thurso ...	30.17	65	Z	0	f	30.22	+ .10	57	55	+ 1	Z	0	bc	0	68	46	-		
Wick ...	30.17	58	SE	2	f	30.23	+ .10	57	54	- 1	E	1	f	0	63	43	-		
Nairn ...	30.15	59	Z	0	f	30.22	+ .08	57	50	+ 2	Z	0	f	0	71	49	-		
Aberdeen ...	30.17	55	S	3	f	30.25	+ .12	55	52	- 1	S	2	f	1	64	46	-		
Leith ...	30.13	62	ENE	1	f	30.23	+ .08	59	55	0	E	1	f	*	69	46	-		
Shields ...	30.30	53	ESE	1	f	30.27	+ .08	53	50	+ 1	E	2	f	1	57	45	-		
York ...	30.20	59	E	2	f	30.27	+ .06	57	57	- 1	E	1	bc	*	65	41	-		
Scarborough ...	30.20	50	ESE	1	0	30.26	+ .06	56	52	0	NNE	1	f	1	57	47	-		
Nottingham ...	30.16	61	ESE	4	f	30.25	+ .06	58	54	+ 2	SE	4	bc	*	71	48	-		
Ardrossan ...	30.12	68	NNW	1	f	30.21	+ .08	60	52	- 2	NE	3	bc	2	70	54	-		
Greencastle ...	30.08	67	S	2	f	30.13	+ .08	64	59	+ 2	S	1	f	*	72	50	-		
Donaghadee ...	30.12	58	ESE	2	f	30.21	+ .08	57	54	0	E	3	v	2	64	50	-		
Kingstown ...	30.10	63	E	2	f	30.16	+ .07	57	55	- 1	ESE	3	f	2	65	55	-		
Holyhead ...	30.08	69	NNW	1	f	30.13	+ .05	61	58	- 1	E	2	f	1	69	54	-		
Liverpool (Bidston) ...	30.10	66	S	2	f	30.20	+ .06	55	57	+ 1	SSE	2	0	1	68	48	-		
Valencia ...	29.98	65	ESE	5	v	30.02	+ .03	67	60	+ 6	ESE	4	bc	4	69	58	-		
Roche's Point ...	30.08	68	ESE	4	0	30.09	+ .06	60	56	0	ESE	4	bc	4	69	55	-		
Pembroke ...	30.04	65	ESE	3	f	30.10	+ .05	60	56	- 1	ESE	6	f	0	67	55	-		
Portishead ...	30.07	65	NNE	3	bc	30.16	+ .08	55	52	- 1	NNE	5	a	2	68	49	-		
Scilly ...																			
Plymouth ...	30.02	66	ENE	5	f	30.08	+ .07	63	57	+ 4	ENE	5	bc	*	70	58	-		
Hurst Castle ...	30.04	65	E	3	bc	30.13	+ .08	63	60	+ 3	E	3	f	2	67	53	-		
Dover ...	30.09	60	ENE	4	f	30.15	+ .05	65	58	+ 4	ENE	3	f	3	65	57	-		
London ...	30.10	67	ENE	3	f	30.18	+ .07	63	58	+ 4	ENE	2	bc	*	71	52	-		
Oxford ...	*	*	*	*	*	30.19	+ .09	55	53	+ 2	NE	1	0	*	70	45	-		
Cambridge ...	65	E	1	f	z	30.21	+ .05	59	56	+ 2	NE	1	f	*	70	47	-		
Yarmouth ...	30.18	57	ENE	3	f	30.23	+ .05	56	54	0	ENE	3	f	3	59	51	-		
The Helder ...	*	*	*	*	*	30.21	+ .04	59	55	+ 2	NNE	2	f	*	*	*	-		
Cape Gris Nez	30.08	59	NE	4	f	30.15	+ .06	61	59	+ 2	NE	3	f	2	63	55	-		
Brest ...	30.00	73	N	1	f	30.05	+ .07	70	68	+ 6	E	2	0	2	79	?	-		
L'Orient ...	29.90	73	NNW	2	f	30.01	+ .07	66	64	0	E	3	bc	3	72	61	-		
Rochefort ...	29.89	81	N	2	f	29.91	+ .03	75	54	+ 2	ENE	3	bc	3	90	63	-		
Biarritz ...	29.79	77	ENE	2	c	29.89	+ .04	73	68	+ 7	SSW	2	bc	3	87	63	-		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	30.13	+ .04	?	*	?	SSE	3	f	*	*	*	-		
Charleville ...	*	*	*	*	*	30.00	+ .02	63	*	0	NE	6	f	*	*	*	*		
Paris ...	29.98	68	NE	4	0	30.04	+ .05	64	*	- 3	NE	3	bc	*	*	*	0.12		
Lyons ...	*	*	*	*	*	29.97	+ .01	75	*	- 1	E	2	v	*	*	*	*		
Toulon ...	29.96	77	NNW	4	f	29.92	- .03	87	64	+ 4	SW	1	f	2	?	?	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.14	54	49	NNW	8	z	3	Valencia .....	29.98	67	61	ESE	4	bc	1
Thurso .....	30.16	60	55	NNE	1	t	1	Scilly .....							
Scarborough ...	30.21	53	51	ESE	2	t	2	London .....	30.11	65	54	ENE	3	f	*
Greencastle ...	30.08	67	61	SSE	2	0	*	Rochefort ...	29.84	79	72	E	2	t	2
Holyhead .....	30.08	62	58	NNW	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; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

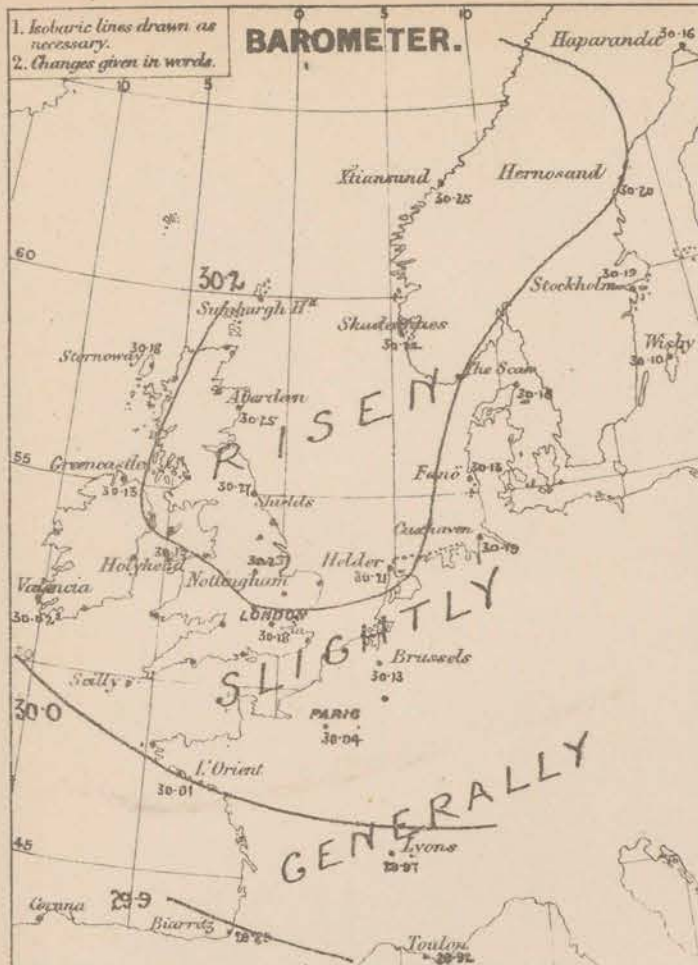
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Friday 15 JUNE 1877.

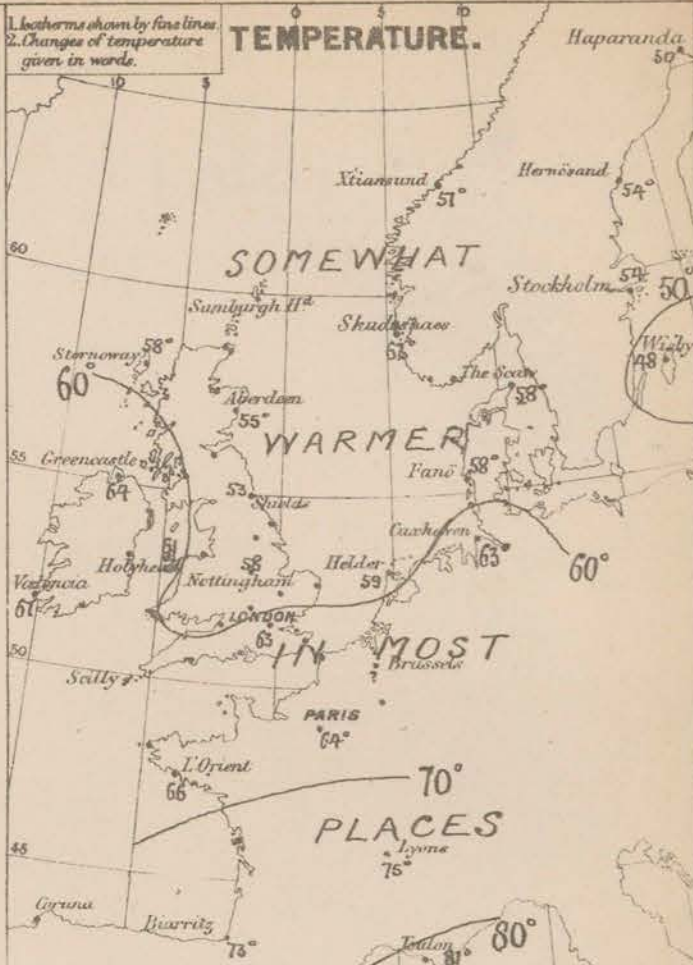
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



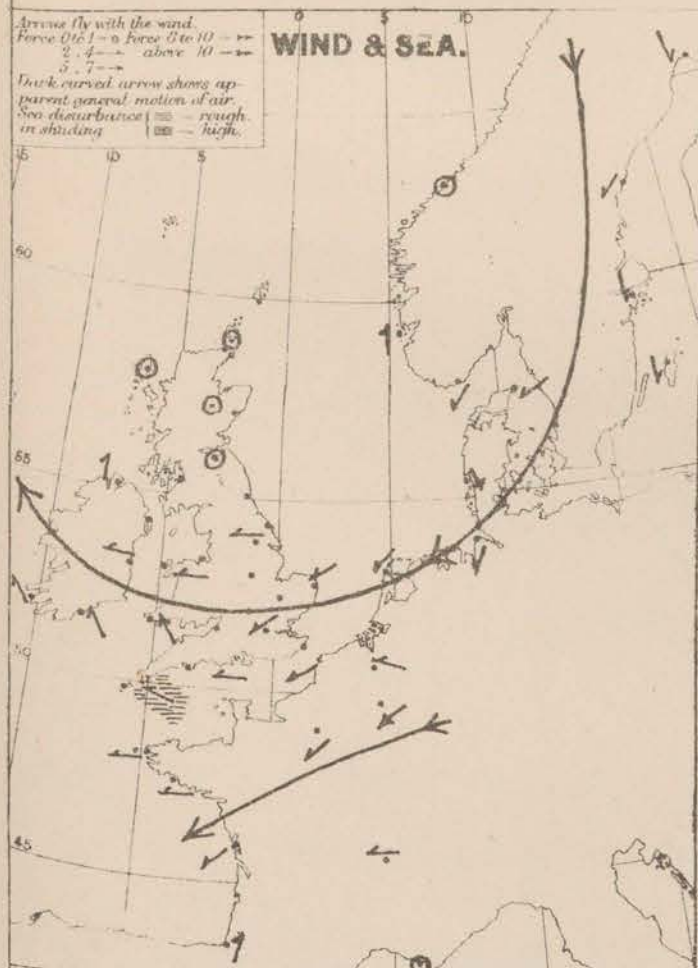
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



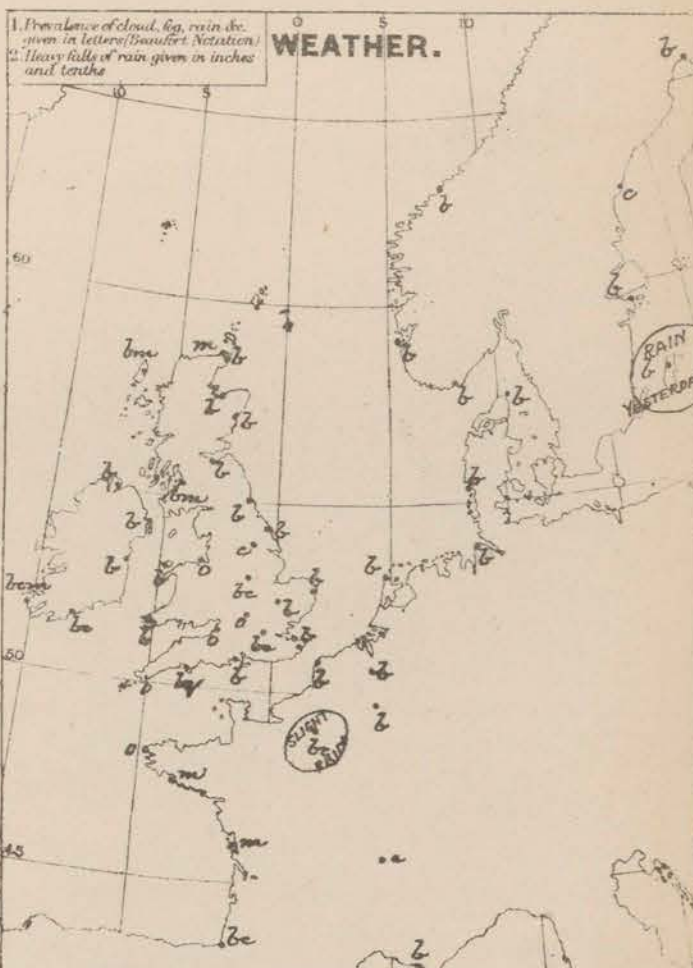
1. Force 0 to 10
  2. Force 11 to 20
  3. Force 21 to 30
  4. Force 31 to 40
  5. Force 41 to 50
  6. Force 51 to 60
  7. Force 61 to 70
  8. Force 71 to 80
  9. Force 81 to 90
  10. Force 91 to 100
- Dark curved arrow shows apparent general motion of air.  
See disturbance in shading:   
[shaded] rough   
[unshaded] high.

## WIND & SEA.



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

## WEATHER.



**REMARKS.** The barometer is now rising steadily in nearly all parts of the United Kingdom, as well as at the Continental stations, the only exception at present reported being the S. of Ireland, where the mercury appears to be falling a little. Readings are uniformly high over Great Britain, the North Sea and W. of Norway, whilst slight gradient for E to SE winds prevails over France and off our SW coasts. The winds agree with these conditions being nearly calm on our N and NE coasts, light N in Denmark and N. Germany, E in the Channel and France, and moderate, but freshening, from SE in the S. of Ireland, and at the mouths of the English and Bristol channels. Temperature is inclined to rise again. It is now 81° at Toulon, 70° at Paris, 64° at London and 63° in London - where it is rising fast. Some rain has fallen in Paris, but the weather is now dry generally, and the sky clear except at our most SW stations. The sea is moderate in the SW, slight or smooth elsewhere.

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

R. H. SCOTT.  
Director.



# DAILY WEATHER REPORT

JUNE 16<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			Max.	Min.	Amount of Rainfall.
			Dirco.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).								
Haparanda ...	30.15	57	Z	0	℄	30.19	+ 03	57	47	+ 7	N	4	℄	*	*	*	*	*	-
Hernösand ...	30.23	55	NSW	2	℄	30.24	+ 04	63	54	+ 9	NE	2	℄	*	*	*	*	*	-
Stockholm ...	30.22	57	Z	0	℄	30.26	+ 07	59	51	+ 5	Z	0	0	*	*	*	*	*	-
Wisby ...	30.19	47	NNE	4	℄	30.23	+ 13	55	48	+ 7	NE	4	℄	*	*	*	*	*	-
Christiansund ...	30.28	50	N	2	℄	30.28	+ 03	52	50	- 5	S	1	℄	2	?	45	-	-	-
Skudesnaes ...	30.27	52	NNW	1	℄	30.30	+ 08	57	54	- 5	NSW	2	℄	2	64	52	-	-	-
Oxö (Xtiansand) ...	30.26	60	SW	2	℄	30.29	+ 09	57	54	- 2	SW	2	℄	1	67	52	-	-	-
Skagen (The Seaw) ...	30.25	62	Z	0	℄	30.30	+ 12	62	57	+ 4	Z	0	0	0	75	54	-	-	-
Fanö ...	30.19	56	N	2	℄	30.26	+ 13	65	59	+ 7	SSE	4	℄	*	*	*	-	-	-
Cuxhaven ...	30.24	*	N	4	℄	30.30	+ 11	65	59	+ 2	SE	2	℄	*	*	*	-	-	-
Sumburgh Head ...	30.29	57	ENE	2	W	30.28	+ 01	55	52	+ 7	SE	2	℄	2	55	45	-	-	-
Stornoway ...	30.15	77	N	1	℄	30.17	- 01	64	61	+ 6	SE	1	℄	0	70	47	-	-	-
Thurso ...	30.21	66	ESE	2	℄	30.20	- 02	64	57	+ 7	SSE	1	℄	1	72	44	-	-	-
Wick ...	30.23	68	SE	2	℄	30.23	00	55	52	- 2	SE	2	℄	1	66	47	-	-	-
Nairn ...	30.17	65	Z	0	℄	30.21	- 01	57	50	0	Z	0	℄	0	73	44	-	-	-
Aberdeen ...	30.25	55	SSW	3	℄	30.27	+ 02	57	53	+ 2	S	2	℄	1	63	45	-	-	-
Leith ...	30.20	59	N	1	℄	30.25	+ 02	60	55	+ 1	E	1	℄	*	70	47	-	-	-
Shields ...	30.28	54	ESE	2	℄	30.29	+ 02	53	49	0	E	1	℄	0	57	44	-	-	-
York ...	30.20	61	E	2	℄	30.21	- 06	57	57	+ 6	E	1	℄	*	68	41	-	-	-
Scarborough ...	30.27	50	ENE	2	℄	30.27	+ 01	59	54	+ 3	NNE	1	℄	1	59	48	-	-	-
Nottingham ...	30.23	62	SE	5	℄	30.25	00	60	55	+ 2	ENE	4	℄	*	74	46	-	-	-
Ardrossan ...	30.18	70	N	1	℄	30.23	+ 02	60	54	0	NE	3	℄	1	73	57	-	-	-
Greencastle ...	30.12	70	ESE	2	℄	30.16	+ 03	64	58	0	SE	1	℄	*	74	54	-	-	-
Donaghadee ...	30.18	60	SE	2	℄	30.22	+ 01	57	53	0	E	1	℄	1	64	57	-	-	-
Kingstown ...	30.16	64	ESE	3	℄	30.16	00	57	54	0	ENE	3	℄	3	64	56	-	-	-
Holyhead ...	30.12	68	E	2	℄	30.15	+ 02	62	58	+ 1	E	2	℄	1	71	55	-	-	-
Liverpool (Bidston) ...	30.15	68	ESE	2	℄	30.22	+ 02	58	57	+ 3	ESE	2	℄	1	70	48	-	-	-
Valencia ...	30.00	66	ESE	4	0	30.00	- 02	61	59	- 6	E	1	℄	2	74	60	0.06	-	-
Roche's Point ...	30.07	62	ESE	5	℄	30.05	- 04	60	56	0	ESE	5	0	4	66	57	-	-	-
Pembroke ...	30.06	69	ESE	5	℄	30.09	- 01	62	57	+ 2	ESE	4	℄	1	69	57	-	-	-
Portishead ...	30.10	70	ENE	5	℄	30.14	- 02	60	55	+ 5	ENE	4	℄	4	74	50	-	-	-
Scilly ...	30.01	60	E	4	℄	30.01	- 01	59	57	0	E	4	0	6	62	57	-	-	-
Plymouth ...	30.07	68	E	5	℄	30.07	- 01	63	58	0	E	5	℄	*	71	57	-	-	-
Hurst Castle ...	30.11	70	E	4	℄	30.12	- 01	63	62	0	E	3	℄	2	70	56	-	-	-
Dover ...	30.21	63	ENE	4	℄	30.15	00	65	58	0	NE	3	℄	3	65	57	-	-	-
London ...	30.18	71	E	3	℄	30.18	00	64	59	+ 1	E	3	℄	*	76	57	-	-	-
Oxford ...	*	*	*	*	*	30.16	- 03	57	54	+ 2	N	1	℄	*	73	44	-	-	-
Cambridge ...	30.19	68	ENE	1	℄	30.21	00	60	57	+ 1	NE	1	℄	*	74	44	-	-	-
Yarmouth ...	30.24	58	ENE	3	℄	30.24	+ 01	56	54	0	ENE	3	℄	3	59	57	-	-	-
The Helder ...	*	*	*	*	*	30.23	+ 02	60	57	+ 1	NE	1	℄	*	*	*	-	-	-
Cape Gris Nez ...	30.15	61	NE	4	℄	30.13	- 02	61	57	0	NE	3	℄	2	64	54	-	-	-
Brest ...	30.04	77	Z	0	0	30.01	- 04	66	66	- 4	ESE	3	0	3	86	63	-	-	-
L'Orient ...	29.95	79	ESE	3	℄	29.99	- 02	68	64	+ 2	E	3	℄	3	82	61	-	-	-
Rocheport ...	29.89	87	E	4	℄	29.93	+ 02	70	66	+ 5	?NW	4	℄	3	95	64	-	-	-
Biarritz ...	29.91	75	NSW	2	℄	29.98	+ 09	66	63	- 7	NNW	3	0	3	75	63	0.24	-	-
Corunna ...	*	*	*	*	*	30.00	+ 03	?	*	?	W	3	℄	5	*	*	-	-	-
Brussels ...	*	*	*	*	*	30.16	+ 03	60	*	?	ESE	3	℄	*	*	*	-	-	-
Charleville ...	*	*	*	*	*	30.04	+ 04	67	*	+ 4	E	1	℄	*	*	*	-	-	-
Paris ...	30.04	76	NE	4	℄	30.03	- 01	?	*	?	NE	3	℄	*	*	*	-	-	-
Lyons ...	*	*	*	*	*	30.02	+ 05	73	*	- 2	N	2	℄	*	*	*	-	-	-
Toulon ...	29.92	84	W	2	℄	29.93	+ 01	75	64	- 6	E	4	℄	3	97	?	-	-	-

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.25	64	53	NNW	2	Valencia ...	29.98	71	63	E	4
Thurso ...	30.22	69	57	ESE	1	Scilly ...	30.02	62	58	E	7
Scarborough ...	30.27	55	53	ENE	2	London ...	30.17	69	55	E	2
Greencastle ...	30.14	71	61	E	2	Rochefort ...	29.88	93	79	NE	3
Holyhead ...	30.15	65	60	WNW	2						

No important change.

## EXPLANATION OF COLUMNS.

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

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

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

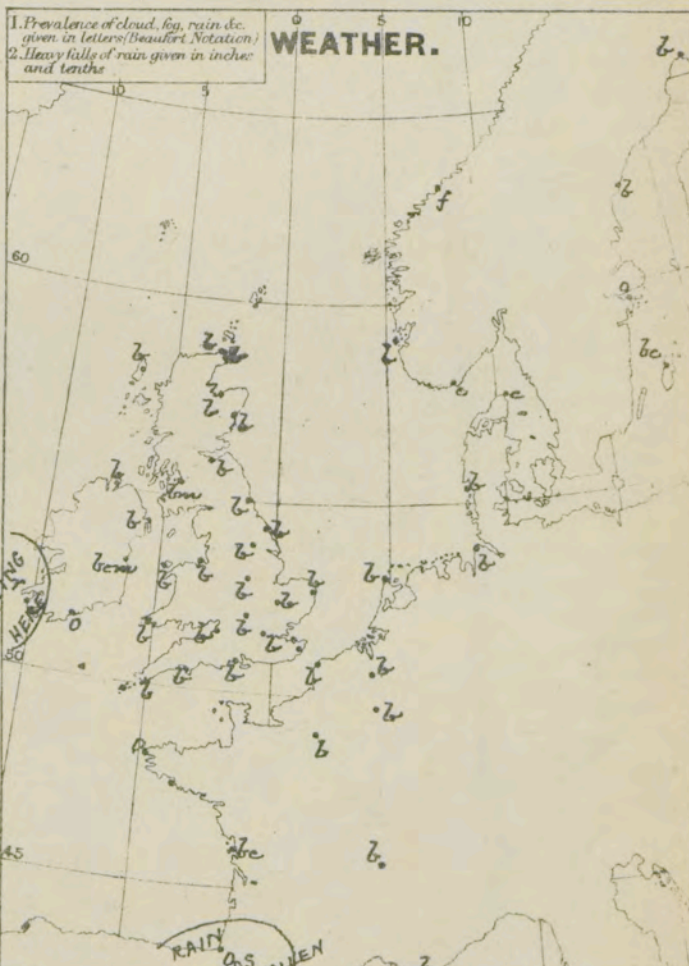
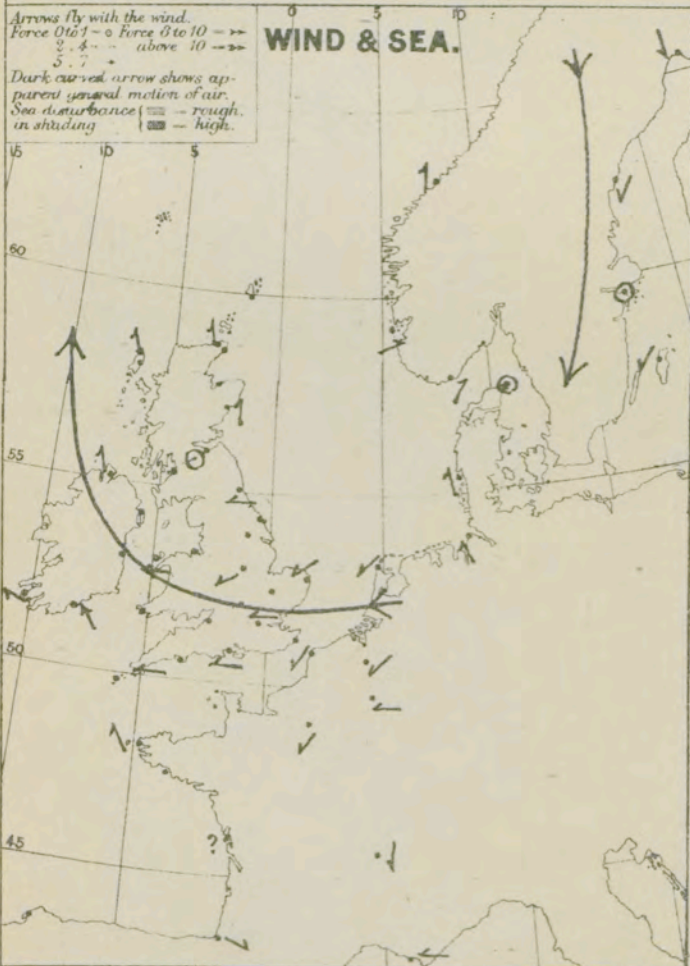
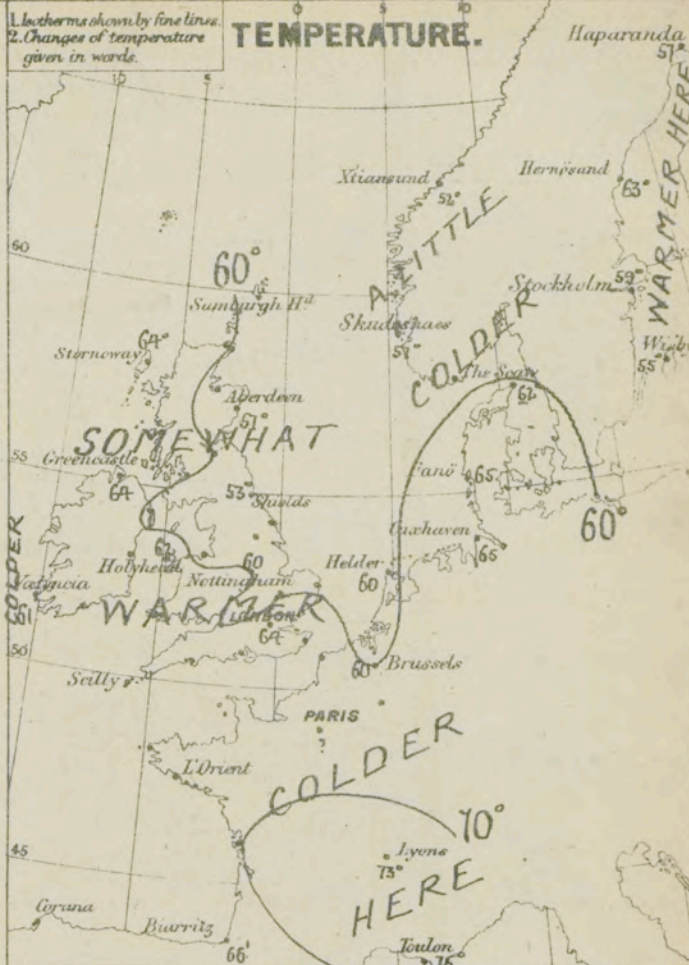
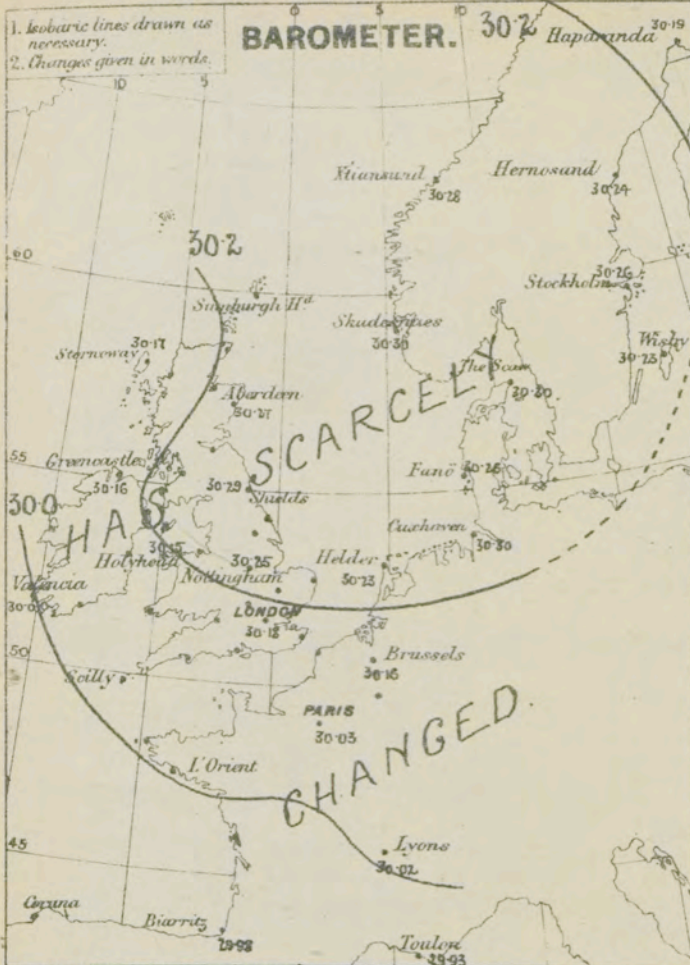
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



## WEATHER CHARTS

for 8 a.m. on Saturday 16<sup>th</sup> JUNE

1877.



REMARKS. There has been scarcely any change, whatever, in the reading of the barometer over W<sup>est</sup> Europe, since yesterday morning. The isobar of 30.2 in. now encloses nearly the whole of Scandinavia, Denmark, the North Sea, Holland, and the N<sup>orth</sup> parts of Great Britain, the highest reading of all being 30.30 in. at Skudenæs and Gasshøven, while the lowest is 29.93 in. at Rochefort. E<sup>ast</sup> breezes of moderate strength are consequently still reported from all the S<sup>outh</sup> stations, and variable airs elsewhere. Temperature has fallen several degrees over France, as well as in the SW. of Norway, but has risen a little in our Islands. The highest points reached yesterday in the shade were 97° at Limerick, 95° at Rochefort, 76° in London, and 73° at Skudenæs and Hainne. The weather remains very fine and bright except in the S. of Ireland, where the sky is overcast, and rain falls at Valentia. The sea is moderate in the SW. smooth elsewhere.

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Meteorological Office,  
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**R. H. SCOTT.**  
Director



# DAILY WEATHER REPORT

JUNE 17<sup>th</sup> 1877.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.	
Haparanda	30.16	57	Z	0	z	30.02	-.17	50	48	-	7	S	2	0	*	*	*	-
Hernösand	30.20	56	SSH	2	c	30.12	-.12	68	56	+	5	SW	2	z	*	*	*	-
Stockholm	30.22	59	SW	2	z	30.18	-.08	67	58	+	8	WSW	2	z	*	*	*	-
Visby	30.26	54	N	4	z	30.26	+.03	36	51	+	1	N	4	z	*	*	*	-
Christiansund	30.30	50	N	2	f	30.23	-.05	50	47	-	2	WSW	2	f	2	34	4.1	-
Skudesnaes	30.29	59	N	2	z	30.29	-.01	64	58	+	7	SSH	1	z	1	?	57	-
Oxö (Klonsand)	30.26	60	SSH	4	z	30.28	-.01	58	55	+	1	SW	5	z	3	63	54	-
Skagen (The Seaw)	30.31	64	Z	0	z	30.28	-.02	63	55	+	1	N	4	z	3	75	50	-
Fanö	30.26	58	ENE	3	z	30.26	.00	66	59	+	1	SSE	4	z	*	72	54	-
Cuxhaven	30.31	?	E	3	z	? 30.20	.00	65	59	0	E	3	z	*	?	57	-	-
Sumburgh Head																		
Stornoway	30.16	67	Z	0	z	30.15	-.02	65	62	+	1	Z	0	z	0	70	48	-
Thurso	30.18	62	SSE	3	z	30.16	-.04	59	55	-	5	Z	0	z	0	73	44	-
Wick	30.21	55	SE	3	z	30.17	-.06	59	54	+	4	SE	1	z	0	61	48	-
Nairn	30.18	60	E	1	z	30.17	-.04	62	54	+	5	E	1	z	0	66	46	-
Aberdeen	30.22	56	SSE	1	z	30.21	-.06	57	50	-	6	S	1	z	1	63	46	-
Leith	30.17	61	ENE	3	z	30.20	-.05	53	50	-	7	ENE	2	z	*	64	48	-
Shields	30.24	56	E	2	z	30.21	-.08	55	51	+	2	E	2	z	0	58	48	0.04
Fork	30.22	61	E	2	z	30.20	-.04	56	52	-	1	NNE	1	z	*	71	46	-
Scarborough	30.24	53	ENE	3	z	30.20	-.07	53	51	-	6	NE	3	f	2	60	46	-
Nottingham	30.17	62	NNE	4	z	30.18	-.07	53	51	-	7	NNE	4	0	*	76	47	-
Androssan	30.14	74	WNW	1	z	30.18	-.05	58	53	-	2	E	4	z	2	76	50	-
Greencastle	30.07	72	ESE	1	z	30.12	-.04	62	57	-	2	E	2	z	*	75	51	-
Donaghadee	30.15	60	ESE	2	z	30.16	-.06	58	55	+	1	NNW	3	z	2	65	51	-
Kingstown	30.12	64	ESE	1	z	30.13	-.03	57	53	0	NE	1	z	2	65	55	-	
Holyhead	30.08	68	ENE	4	z	30.09	-.06	62	59	0	ENE	3	z	2	72	55	-	
Liverpool (Bidston)	30.11	70	E	2	z	30.12	-.10	63	55	+	5	E	1	z	1	74	49	-
Valencia	29.99	67	ESE	3	z	30.01	+.01	69	62	+	8	NNE	1	z	2	70	55	-
Roche's Point	30.05	67	ESE	4	z	30.03	-.02	61	55	+	1	ESE	4	z	4	71	58	-
Pembroke	30.02	72	E	2	z	30.03	-.06	64	59	+	2	E	2	z	1	73	56	-
Portishead	30.12	73	ENE	5	z	30.06	-.08	56	54	-	4	ENE	5	0	4	76	50	-
Scilly																		
Plymouth	29.98	69	E	5	z	29.98	-.09	67	60	+	4	ENE	4	z	*	73	61	-
Hurst Castle	30.02	68	E	3	z	30.03	-.09	65	63	+	2	E	3	z	2	73	58	-
Dover	30.06	66	ENE	3	z	30.06	-.09	66	57	+	1	E	3	z	2	68	60	-
London	30.10	73	E	3	z	30.16	-.12	70	62	+	6	E	2	z	*	80	55	-
Oxford	*	*	*	*	*	30.09	-.07	56	54	-	1	NE	1	0	*	76	57	-
Cambridge	30.12	69	E	1	z	30.11	-.10	61	59	+	1	N	1	z	*	78	44	-
Yarmouth	30.18	59	NE	3	z	30.17	-.07	61	57	+	5	E	2	z	2	61	55	-
The Helder	*	*	*	*	*	30.17	-.06	64	58	+	4	E	2	z	*	*	*	-
Cape Gris Nez	30.06	61	NE	4	z	30.05	-.08	68	61	+	7	E	2	z	1	?	57	-
Brest	29.96	70	W	3	z	30.02	+.01	57	57	-	9	WNW	2	z	3	75	55	0.75
L'Orient	29.93	63	WNW	4	z	30.01	+.02	59	59	-	9	NNW	3	0	3	?	57	-
Rochefort	29.94	79	W	4	0	29.96	+.03	66	63	-	4	NNW	4	0	3	88	61	-
Biarritz	29.98	72	Z	0	z	30.00	+.02	64	61	-	2	WNW	4	z	4	?	59	0.63
Corunna	*	*	*	*	*	30.07	+.07	69	*	?	SW	3	0	5	*	*	*	-
Brussels	*	*	*	*	*	30.07	-.09	64	*	+	4	E	3	z	*	*	*	-
Charleville	*	*	*	*	*	? 29.95	-.09	65	*	-	2	SE	3	z	*	*	*	-
Paris	29.97	77	NE	4	z	29.97	-.06	69	*	?	E	2	z	*	*	*	-	
Lyons	*	*	*	*	*	29.98	-.04	75	*	+	2	SE	2	0	*	*	*	-
Toulon	29.96	72	E	6	z	29.99	+.06	68	59	-	7	E	6	z	6	77	?	-

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	30.30	61	SW	2	z	Valencia	30.01	67	ESE	3	0
Thurso	30.19	72	SSE	2	z	Scilly					
Scarborough	30.22	55	ENE	2	z	London	30.14	73	E	2	z
Greencastle	30.13	70	E	2	z	Rochefort	29.92	79	WNW	3	z
Holyhead	30.13	69	ENE	3	z						

*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.

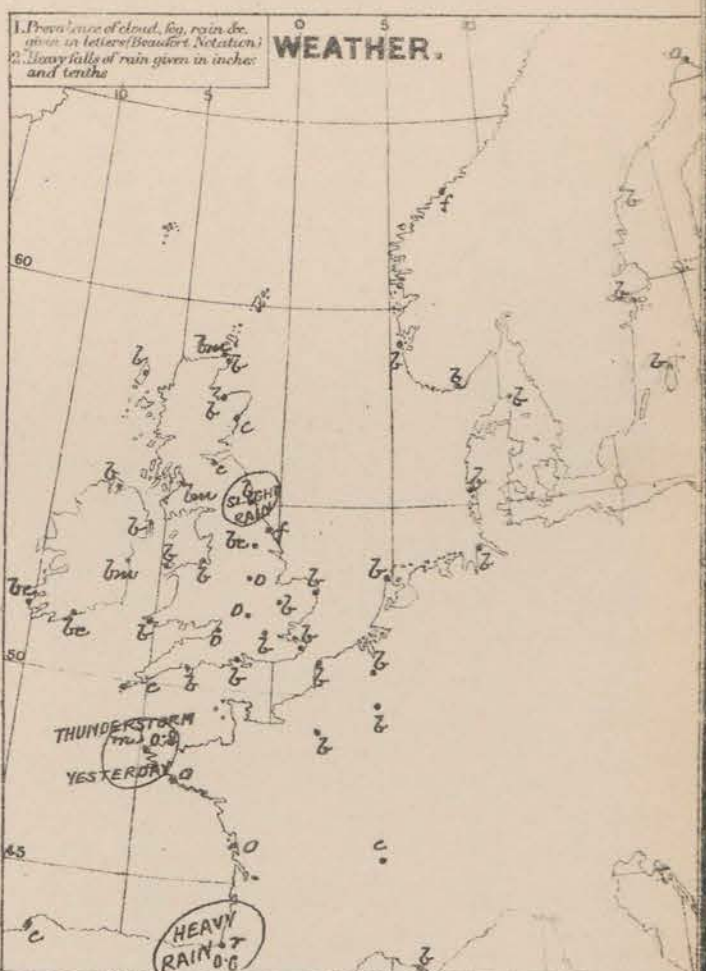
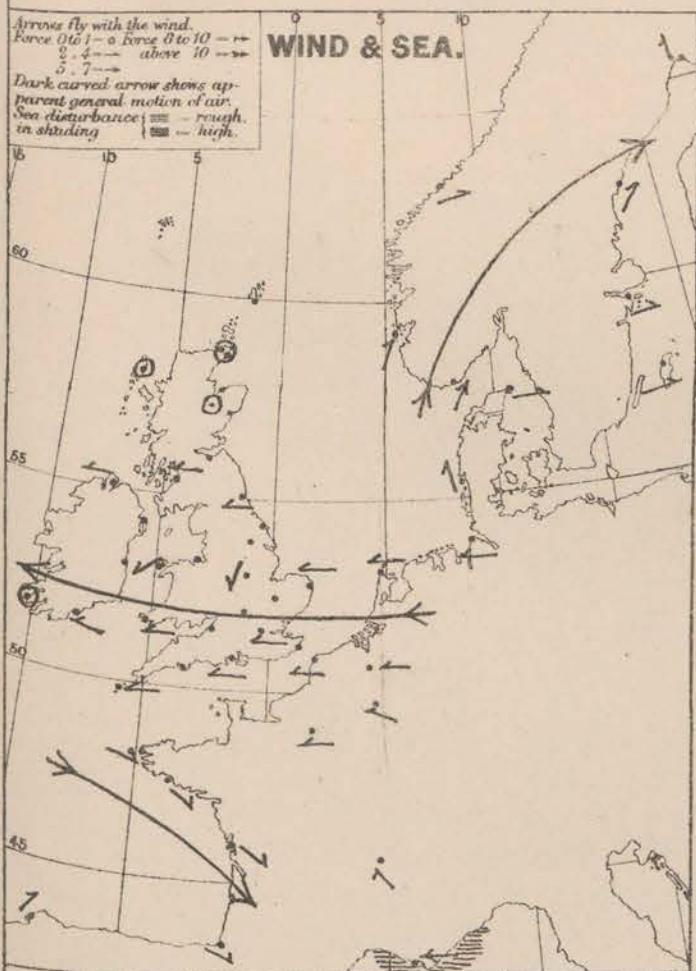
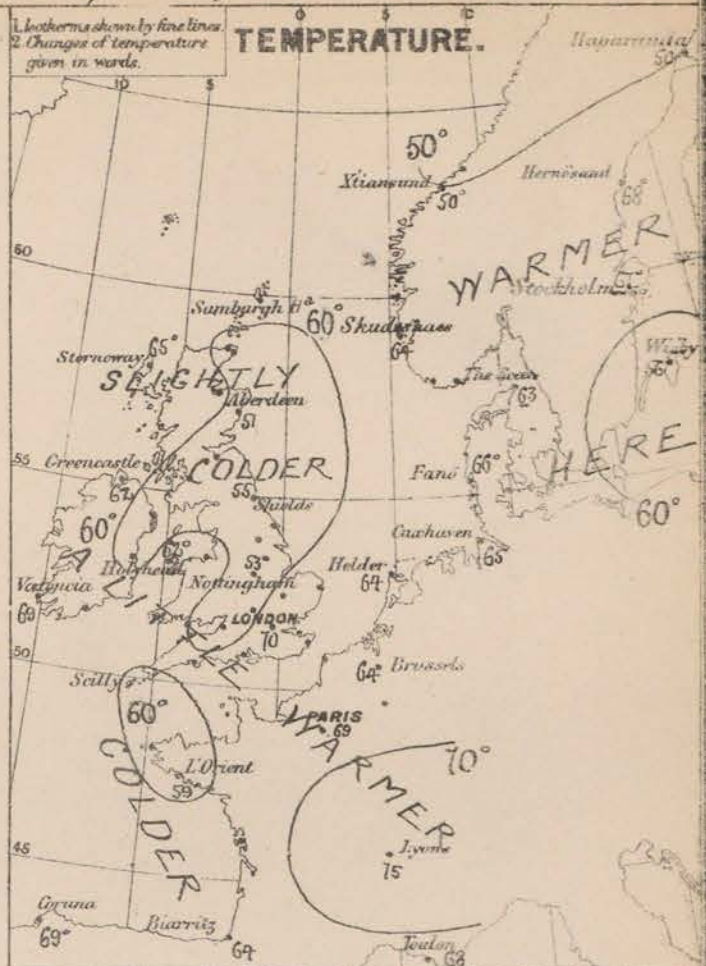
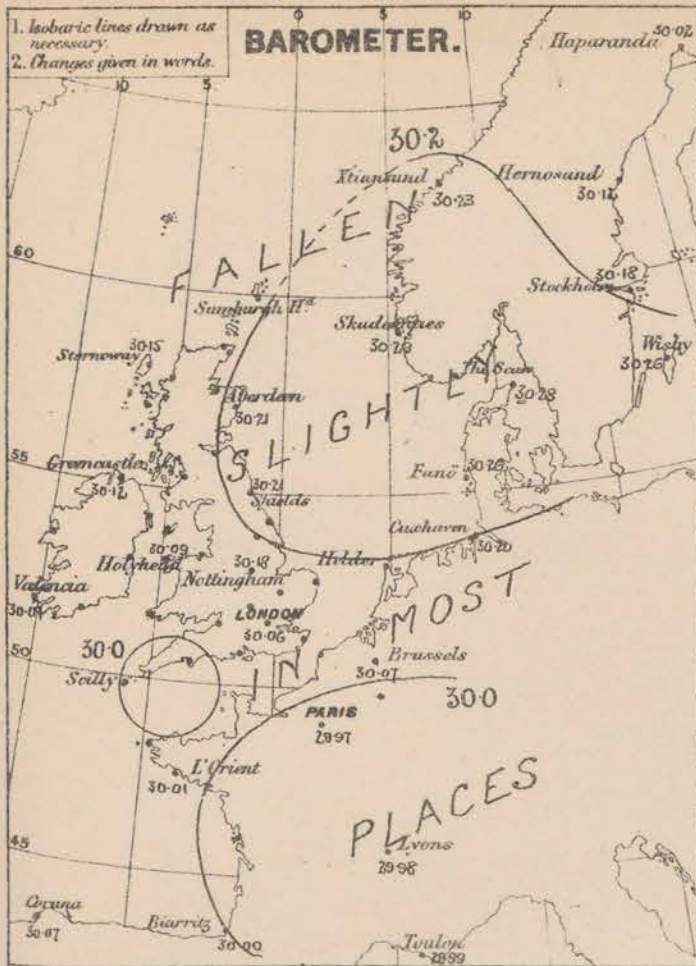
\* AN ASTERISK is inserted in all places for which information is not usually received.

† 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 17. JUNE 1877.



REMARKS. The changes in barometrical pressure over W<sup>e</sup> Europe continue to be extremely slight, and though the mercury has fallen a little in most places, the general conditions remain practically unaltered. There is still a large area of high readings lying over the North Sea, Scandinavia and our most E<sup>l</sup> stations, while the lowest pressures are found over France, but the difference between any two readings is extremely slight, and the winds consequently remain very light in all places. They have not changed much in direction, and are still E<sup>l</sup> over the greater part of these Islands, but in the W. of France the E<sup>l</sup> current has given way, and has been succeeded by a moderate NW<sup>l</sup> breeze. Temperature has fallen a few degrees in the N. but is still high and rising over the S<sup>e</sup> Countries. A thunderstorm with heavy rain occurred in the NW. of France yesterday, but elsewhere the weather has been dry and fine. The sea is moderate to smooth.

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

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



# DAILY WEATHER REPORT

JUNE 18<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force. (0 to 13).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 13).			Max.	Min.		
Haparanda ...	29.83	55	SW	2	0	29.75	-.27	57	44.3	+ 1	NN	6	6	*	*	*	-	
Hernösand ...	29.95	67	NNH	4	2	30.02	-.10	55	44.4	- 13	NN	8	6	*	*	*	-	
Stockholm ...	30.02	69	N	4	0	30.02	-.16	63	53	- 4	N	4	6	*	*	*	-	
Wisby ...	30.13	60	SW	4	6	30.04	-.22	55	57	- 1	NNH	4	6	*	*	*	-	
Christiansund ...	30.16	57	NNH	4	0	30.26	+ .03	57	57	+ 1	NNH	3	6	*	55	41	0.32	
Skudesnaes ...	30.23	61	NNH	2	6	30.21	-.08	59	55	- 5	NNH	2	6	2	64	7	-	
Oxö (Xtiansand) ...	30.18	60	SW	4	6	30.13	-.15	59	54	+ 5	SW	2	6	2	61	54	-	
Skagen (The Seaw) ...	30.17	54	SW	3	6	30.12	-.16	61	56	- 2	N	3	6	2	70	52	-	
Fanö ...	30.19	64	Z	0	6	30.17	-.09	67	60	+ 1	ENE	1	6	*	72	52	-	
Cuxhaven ...	30.25	*	E	2	6	30.23	-.07	70	65	+ 5	SE	2	6	*	6	68	-	
Sumburgh Head																		
Stornoway	30.17	68	NE	1	6	30.19	+ .04	53	57	- 12	NE	4	f	4	70	50	-	
Thurso ...	30.15	56	NNH	1	6	30.24	+ .08	49	48	- 10	ENE	1	of	1	66	47	-	
Wick ...	30.20	57	SE	1	6	30.25	+ .08	50	50	- 9	ENE	2	f	1	64	46	-	
Nairn ...	30.18	59	E	1	6	30.23	+ .06	57	47	- 11	Z	0	0	0	69	47	-	
Aberdeen ...	30.17	58	S	1	6	30.21	.00	59	54	+ 6	E	1	6	2	63	45	-	
Leith ...	30.15	55	ENE	2	6	30.20	.00	50	50	- 3	E	1	of	*	63	49	-	
Shields ...	30.18	54	NE	2	0	30.19	-.02	55	54	0	NNE	1	bf	0	58	50	-	
York ...	30.14	68	E	2	6	30.16	-.04	65	59	+ 9	ENE	1	6	*	77	48	-	
Scarborough ...	30.17	55	NE	2	f	30.18	-.02	60	57	+ 7	N	2	6	2	?	52	-	
Nottingham ...	30.10	69	NNE	4	6	30.14	-.04	63	58	+ 10	N	4	6	*	50	57	-	
Ardrossan ...	30.11	77	NN	1	6	30.15	-.03	61	57	+ 3	NE	3	fm	1	78	54	-	
Greencastle ...	30.09	70	E	2	6	30.09	-.03	63	58	+ 1	S	1	6	*	74	50	-	
Donaghadee ...	30.12	63	N	2	6	30.14	-.02	62	57	+ 4	N	3	6	2	66	52	-	
Kingstown ...	30.11	63	NN	1	6	30.12	-.01	58	55	+ 1	NE	1	fm	2	63	55	-	
Holyhead ...	30.07	67	ENE	3	6	30.14	+ .05	66	62	+ 4	E	3	6	2	71	58	-	
Liverpool (Bidston) ...	30.07	73	E	1	6	30.12	.00	67	58	+ 4	E	1	6	1	77	55	-	
Valencia ...	30.02	64	NNH	3	0	30.09	+ .08	64	60	- 5	N	1	fm	2	74	54	-	
Roche's Point ...	30.07	71	ESE	3	6	30.05	+ .02	64	58	+ 5	ESE	4	6	4	74	55	-	
Pembroke ...	30.07	69	ESE	1	6	30.04	+ .01	65	61	+ 1	E	1	6	0	72	58	-	
Portishead ...	30.00	71	NE	2	6	30.05	-.01	63	59	+ 7	NNE	3	6	3	76	53	-	
Scilly ...																		
Plymouth ...	29.99	72	SE	2	6	30.04	+ .03	67	62	0	Z	0	fm	*	75	57	-	
Hurst Castle ...	29.99	70	E	2	6	30.02	-.01	65	64	0	E	2	6	1	74	58	-	
Dover ...	30.03	69	ENE	3	6	30.04	-.02	69	63	+ 3	ENE	2	6	1	72	61	-	
London ...	30.02	75	E	3	6	30.06	.00	70	62	0	NE	1	fm	*	82	55	-	
Oxford ...	*	*	*	*	*	30.06	-.03	63	59	+ 7	NE	1	6	*	78	53	-	
Cambridge ...	30.05	75	E	1	6	30.09	-.02	66	62	+ 5	N	1	6	*	81	49	-	
Yarmouth ...	30.09	63	E	2	6	30.11	-.06	61	58	0	ENE	2	6	2	64	56	-	
The Helder ...	*	*	*	*	*	30.12	-.05	67	60	+ 3	E	1	6	*	*	*	-	
Cape Gris Nez	29.99	64	NNE	3	6	30.04	-.01	72	63	+ 4	NE	1	6	0	72	57	-	
Brest ...	30.09	70	N	3	0	30.13	+ .11	55	55	- 2	NNH	2	m	3	?	55	-	
L'Orient ...	30.02	63	NW	4	0	30.06	+ .05	59	57	0	NW	3	0	3	68	57	-	
Rochefort ...	29.99	68	NN	5	0	30.06	+ .10	63	61	- 3	NN	5	0	3	79	61	?	
Biarritz ...	30.06	72	NNH	4	0	30.15	+ .15	64	59	0	NNH	3	6	3	?	59	0.08	
Corunna ...	*	*	*	*	*	30.15		66	*		SW	3	6	1	*	*	*	
Brussels ...	*	*	*	*	*	30.04	-.03	64	*	0	ESE	3	6	*	*	*	-	
Charleville ...	*	*	*	*	*	29.95	.00	68	*	+ 3	S	3	6	*	*	*	*	
Paris ...	29.93	79	E	3	6	30.01	+ .04	71	*	+ 2	N	3	6	*	*	*	-	
Lyons ...	*	*	*	*	*	30.06	+ .08	73	*	- 2	E	2	6	*	*	*	*	
Toulon ...	29.98	68	E	6	6	29.99	.00	63	61	- 5	E	6	0	6	75	?	-	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	30.26	63	53	NNH	2	6	1	Valencia			
Thurso								Scilly			
Scarborough								London			*
Greencastle						*		Rochefort	29.95	63	63
Holyhead											3

## EXPLANATION OF COLUMNS.

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

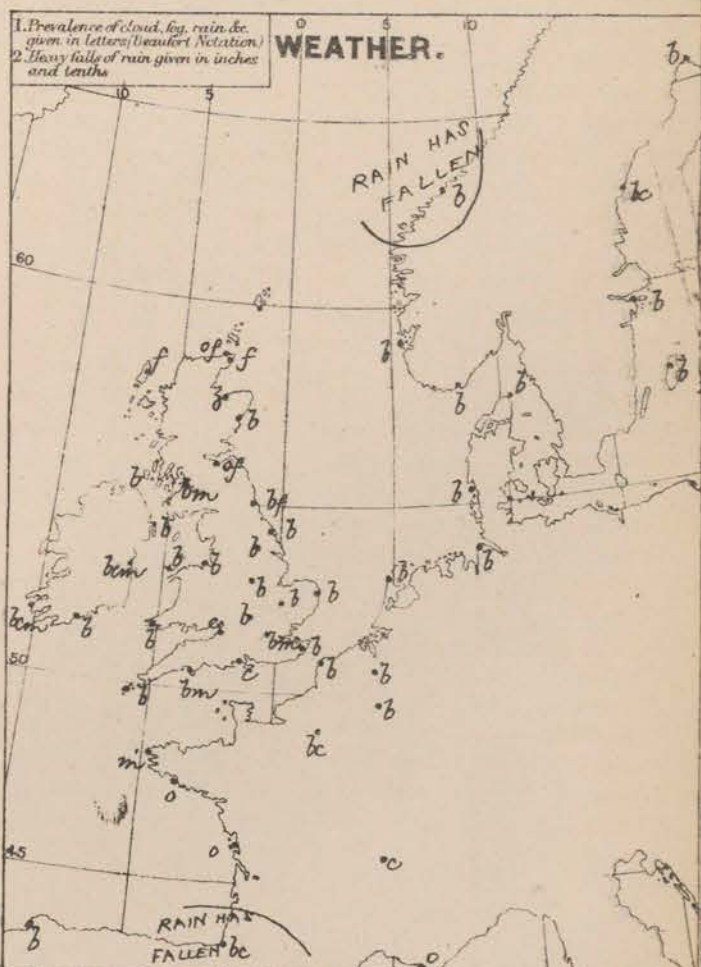
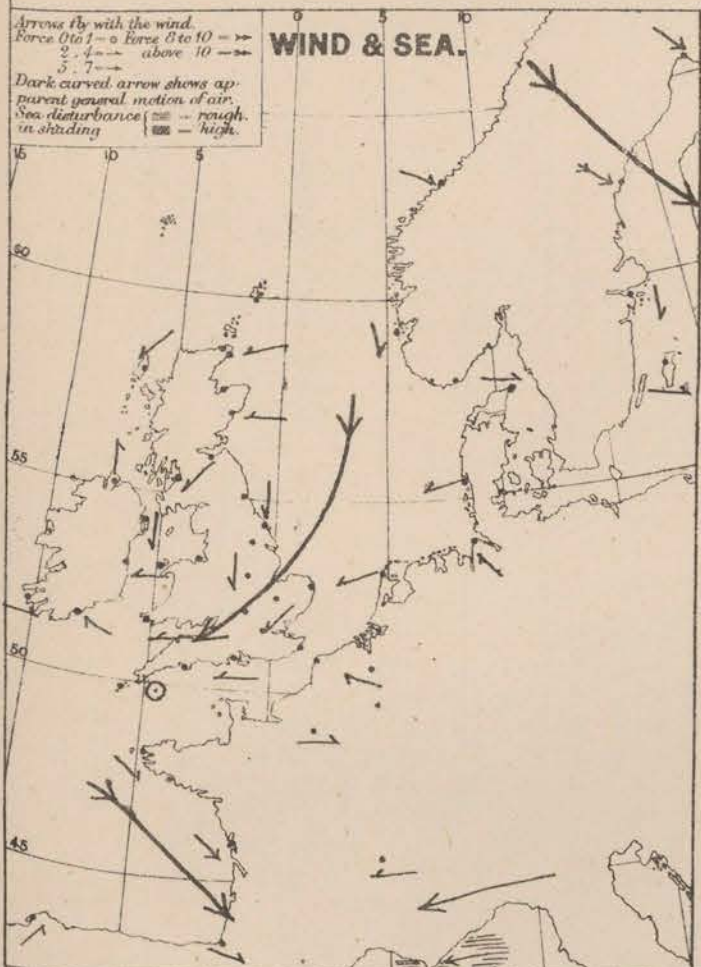
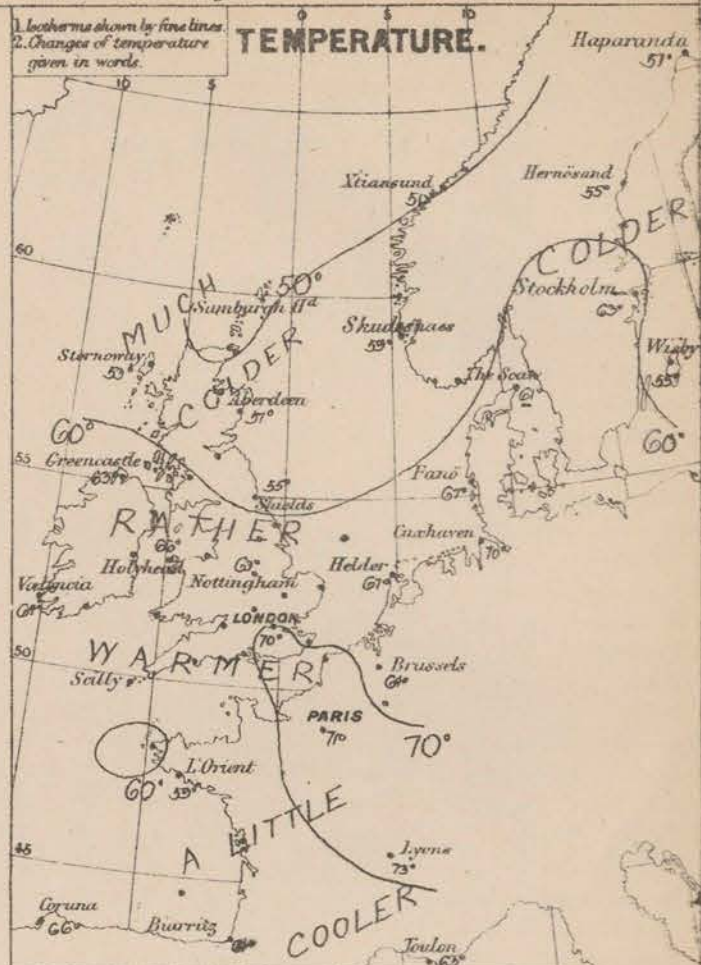
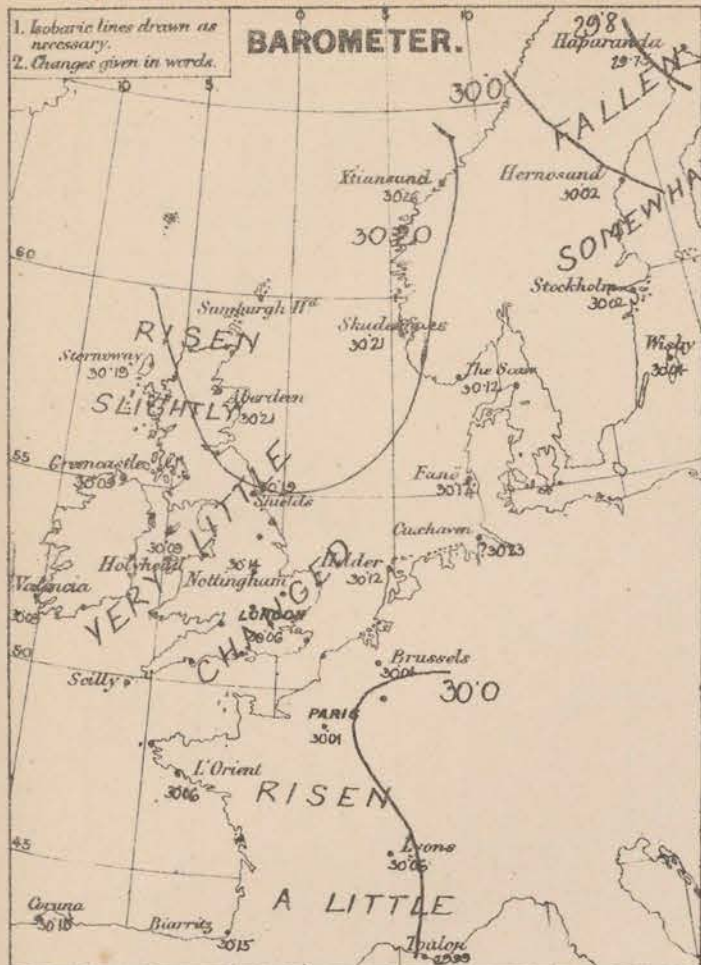
\* AN ASTERISK is inserted in all places for which information is not usually received.

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

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



WEATHER CHARTS *for 8 a.m. on Monday 18<sup>th</sup> JUNE 1877.*



**REMARKS.** Pressure has fallen rather briskly in Scandinavia, and the wind is strong from N. or N.W. over the Baltic this morning but in all other places the changes in the barometer have been slight and rather irregular. The region of high pressure noticed during the past few days still lies over the North Sea and our north eastern stations, while comparatively low readings are still shown in the east of France. The wind, which is light generally continues steadily E<sup>ly</sup> in the south of England but on our more northern coasts it has shifted to N., while over the Bay of Biscay light NW breezes are reported. Temperature has fallen fast in the north of Scotland, and to a less extent in Norway and France but elsewhere it is high and rising. Over south eastern England it exceeded 80° in the shade yesterday. The sky is for the most part exceedingly clear but mist or fog prevails in some places. The sea is smooth or calm.

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

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

Landerfield Lith 22 Bedford St. Covent Garden



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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 15).		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.		
Haparanda ...	29.83	42	NW	4	o	29.85	+ .10	46	39	- 5	NW	6	bc	*	*	*	-	
Hernösand ...	30.09	52	NW	6	bc	30.12	+ .10	49	41	- 6	N	8	bc	*	*	*	-	
Stockholm ...	30.05	55	SSE	2	bc	30.12	+ .10	53	44	- 10	NNE	4	bc	*	*	*	-	
Wibby ...	30.09	54	SE	4	bc	30.04	.00	39	48	+ 4	E	6	bc	*	*	*	-	
Christiansund ...	30.31	48	N	3	bc	30.28	+ .02	48	42	- 3	N	1	c	4	52	7	-	
Skudesnaes ...	30.13	53	NW	6	bc	30.10	- .11	61	56	+ 2	NW	2	bc	2	?	?	-	
Oxö (Xtiansand) ...	30.02	58	SSW	4	bc	30.10	- .03	59	48	0	NE	7	bc	4	70	55	-	
Skagen (The Seaw) ...	30.06	58	Z	0	bc	30.07	- .05	60	53	- 1	ENE	4	bc	3	75	50	-	
Fanö ...	30.10	56	NNW	2	bc	30.06	- .11	66	61	- 1	N	4	bc	*	73	54	-	
Cuxhaven ...	30.12	*	E	1	bc	? 30.11	- .12	70	65	0	ENE	1	bc	*	*	66	-	
Samburgh Head ...	30.30	57	NE	5	bc	30.26		57	48		NE	5	bc	4	53	45	-	
Stornoway ...	30.14	61	NNE	3	bc	30.14	- .05	61	59	+ 8	ESE	1	bc	1	61	47	-	
Thurso ...	30.24	53	ESE	2	0	30.23	- .01	57	49	+ 2	SSE	2	0	2	56	48	-	
Wick ...	30.34	53	E	2	0	30.34	- .01	52	50	+ 2	SE	2	0	2	55	44	-	
Nairn ...	30.23	54	E	1	f	30.23	.00	53	50	+ 2	Z	0	0	0	56	51	-	
Aberdeen ...	30.21	55	Z	0	m	30.22	+ .01	52	50	+ 5	E	1	0	2	60	51	-	
Leith ...	30.18	57	ENE	2	bc	30.21	+ .01	52	51	+ 2	E	2	0	*	61	49	-	
Shields ...	30.18	62	ENE	3	bc	30.21	+ .02	54	53	- 1	NE	1	0	0	62	52	-	
York ...	30.15	70	E	2	bc	30.19	+ .03	61	56	- 4	N	1	bc	*	78	57	-	
Scarborough ...	30.16	59	NE	2	bc	30.19	+ .01	57	55	- 3	NE	3	f	3	62	53	-	
Nottingham ...	30.11	73	E	4	c	30.18	+ .04	62	57	- 1	NNE	3	bc	*	83	53	-	
Ardrossan ...	30.10	74	NE	3	bc	30.16	+ .01	57	53	- 5	NE	3	sm	2	87	54	-	
Greencastle ...	30.08	73	E	2	bc	30.10	+ .01	64	58	+ 1	E	2	0	*	77	56	-	
Donaghadee ...	30.11	63	ENE	2	bc	30.15	+ .01	60	58	- 2	ENE	2	bc	1	69	50	-	
Kingstown ...	30.09	69	Z	0	c	30.11	- .01	63	61	+ 5	SSE	1	bm	2	?	59	0.04	
Holyhead ...	30.06	63	NW	2	0	30.11	- .03	64	63	- 2	Z	0	m	10	73	62	0.21	
Liverpool (Bidston) ...	30.07	77	ESE	1	bc	30.13	+ .01	63	57	- 4	SE	1	0	1	79	60	-	
Valencia ...	30.05	69	WSW	2	bc	30.10	+ .01	59	58	- 5	N	1	ogm	1	71	55	-	
Roche's Point...	30.07	72	SE	1	bc	30.09	+ .04	62	57	- 2	SSW	1	0	2	76	56	-	
Pembroke ...	30.03	73	Z	0	bc	30.08	+ .04	60	59	- 5	E	1	of	1	76	59	-	
Portishead ...	30.02	73	NNE	2	0	30.10	+ .05	67	61	+ 4	E	2	bc	2	80	59	-	
Scilly ...																		
Plymouth ...	30.04	68	S	1	0	30.09	+ .08	63	61	+ 4	Z	0	c	*	75	59	-	
Hurst Castle ...	30.04	68	SSE	3	bc	30.11	+ .09	68	63	+ 3	Z	0	bc	0	75	58	-	
Dover ...	30.06	68	NNE	2	bc	30.08	+ .04	70	63	+ 1	NNW	3	bc	2	74	60	-	
London ...	30.07	76	E	2	bc	30.11	+ .05	69	61	+ 1	Z	0	bm	*	85	53	-	
Oxford ...	*	*	*	*	*	30.10	+ .04	63	59	0	Z	0	0	*	83	55	-	
Cambridge ...	30.09	77	E	1	bc	30.13	+ .04	68	63	+ 2	N	1	bc	*	84	57	-	
Yarmouth ...	30.11	63	ENE	1	bc	30.13	+ .02	61	58	0	NNE	2	bc	2	64	56	-	
The Helder...	*	*	*	*	*	30.09	- .03	66	62	- 1	NE	2	bc	*	*	*	-	
Cape Gris Nez ...	30.06	63	NE	2	bc	30.10	+ .06	63	61	- 9	NE	1	bc	0	75	57	-	
Brest ...	30.16	66	NW	2	+	30.22	+ .09	61	39	+ 6	SE	1	bc	2	?	55	0.20	
L'Orient ...																		
Rochefort ...	30.12	70	NW	4	bc	30.19	+ .13	66	63	+ 3	SE	3	bc	3	70	57	-	
Biarritz ...	30.16	72	NNW	2	bc	30.15	.00	64	61	0	E	3	bc	3	?	57	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.07	+ .03	68	*	+ 4	WSW	1	bc	*	*	*	-	
Charleville ...	*	*	*	*	*	? 30.07	+ .12	66	*	- 2	SSE	1	bc	*	*	*	0	
Paris ...	30.03	71	SW	2	0	30.14	+ .13	65	*	- 6	SW	2	0	*	*	*	0.16	
Lyons ...	*	*	*	*	*	30.18	+ .12	71	*	- 2	N	4	p	*	*	*	0	
Toulon ...	30.07	66	E	5	bc	30.13	+ .14	72	61	+ 9	Z	0	bc	3	?	61	0.08	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.15	59	54	NNW	8	bc	3	Valencia ...	30.04	69	64	N	1	sm	2
Thurso .....	30.20	55	52	ESE	2	0	2	Scilly .....							
Scarborough ...	30.17	61	58	NE	2	bc	2	London .....	30.07	77	62	E	3	bc	*
Greencastle ...	30.08	74	63	ENE	2	bc	*	Rochefort ...	30.11	66	61	NNW	5	0	3
Holyhead .....	30.07	69	62	ENE	3	bc	2								

*Pressure shows no important change since the morning, but the winds have varied slightly in many places.*

## EXPLANATION OF COLUMNS.

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

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

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

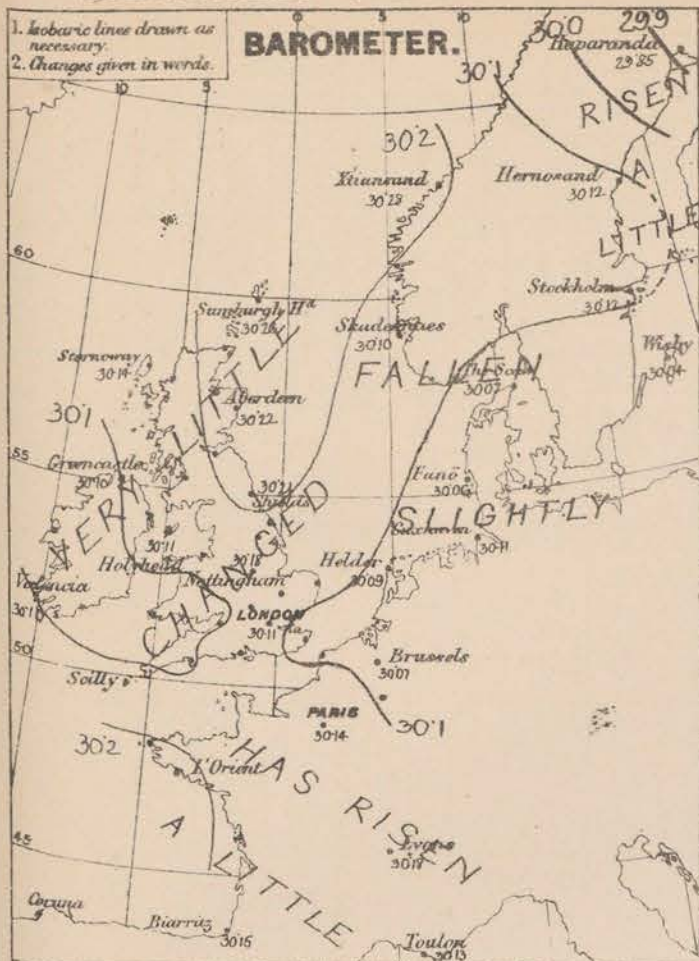
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Tuesday 19<sup>th</sup> JUNE 1877.

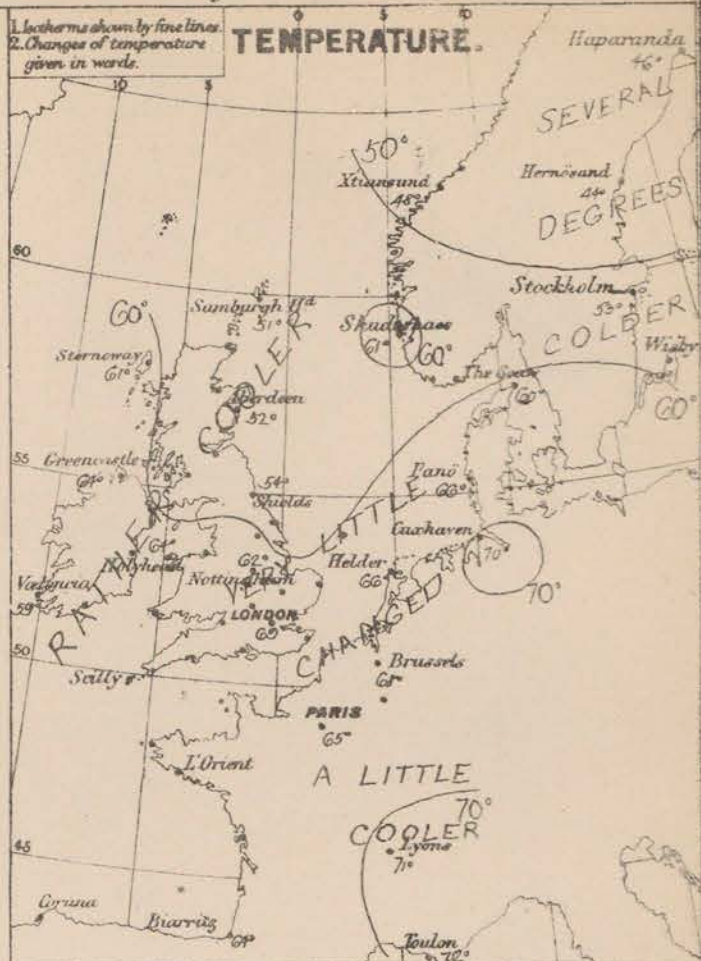
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



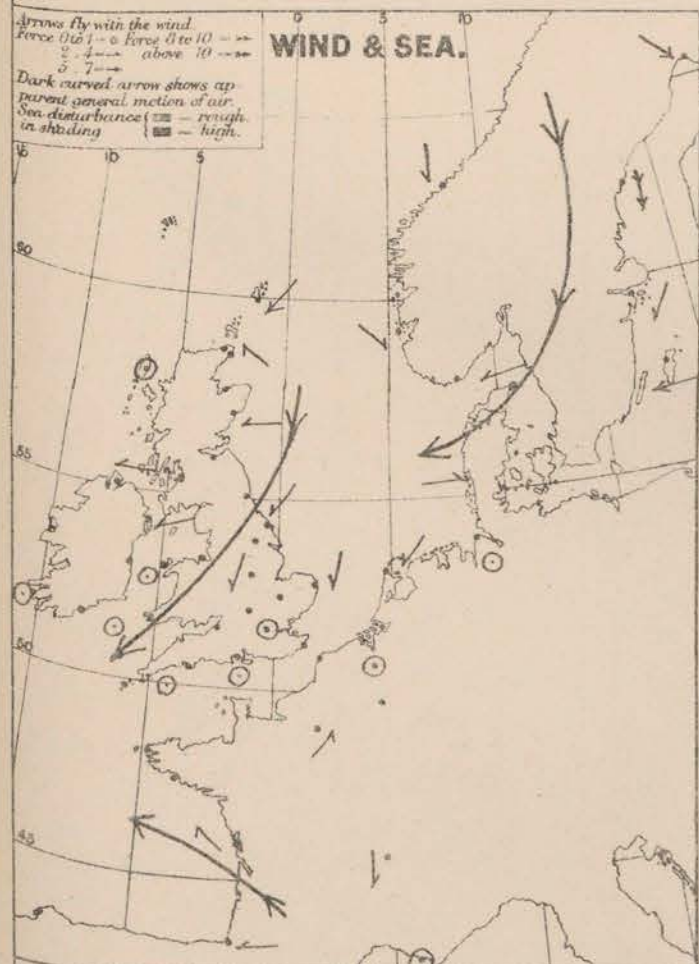
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



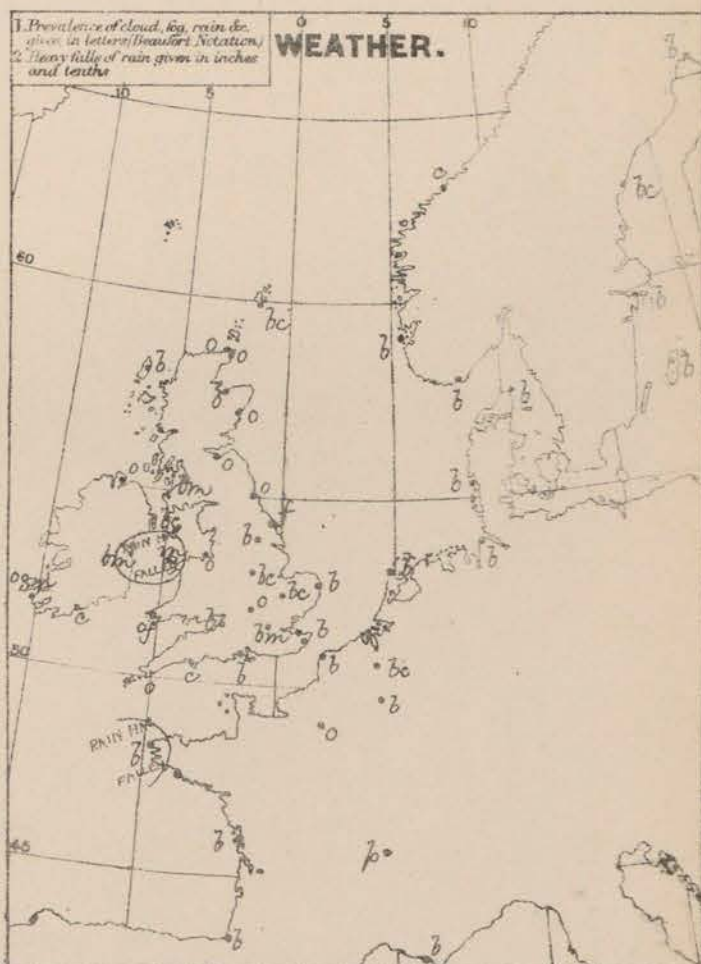
1. Arrows fly with the wind. Force 0 to 10 — 11 to 20 — 21 to 30 — 31 to 40 — 41 to 50 — 51 to 60 — 61 to 70 — 71 to 80 — 81 to 90 — 91 to 100 —
2. Dark curved arrow shows apparent general motion of air. Sea disturbance (—) — rough in shading — high.

## WIND & SEA.



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

## WEATHER.



**REMARKS.** During the past twenty four hours the barometer has remained almost unchanged over the British Islands but over France and Sweden it has risen somewhat. It is exceedingly uniform over Western Europe. The wind is still fresh or strong from N. over Scandinavia, but is light elsewhere and very variable in direction. Temperature has fallen a few degrees except in the south east of England and west of France. During yesterday the thermometer was higher over Central England than on any previous day this season, reaching 85° in London, 84° at Cambridge, 83° at Nottingham and Oxford, and 80° in other parts of the country. Thunder and lightning occurred at Kingstown, and the sky this morning is cloudy in the west and north of these islands. Elsewhere the fine weather still holds. The sea is smooth or calm.

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

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

R. H. SCOTT.  
Director.

Longerfield Lith 22 Bedford St. Covent Garden.



# DAILY WEATHER REPORT

JUNE 20<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					9 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 8 P. M. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETERS.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 9 A.M. and Sea Level.	Difference from 9 A.M. yesterday.	Dry.	Wet.	Difference from 9 A.M. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.84	43	N	4	b	29.86	+ .01	46	?	0	N	4	5	*	*	*	-	
Hernösand ...	29.97	55	NW	2	c	29.99	- .13	48	41	- 1	NNW	4	5	*	*	*	-	
Stockholm ...	30.06	48	SSE	2	b	29.96	- .16	50	44	- 3	N	4	0	*	*	*	-	
Wisby ...	30.08	48	SE	4	b	29.99	- .05	53	47	- 6	W	4	5	*	*	*	-	
Christiansund ...	30.20	57	NNW	3	c	30.15	- .13	49	43	+ 1	NE	3	6	3	66	?	-	
Skudesnaes ...	30.07	53	NNH	6	b	30.00	- .10	53	48	- 8	NN	6	c	2	61	?	-	
Oxö (Klansand) ...	30.05	57	SH	4	b	29.93	- .17	59	57	0	NNE	2	1	1	61	52	-	
Skagen (The Seal) ...	30.01	60	Z	0	b	29.91	- .16	60	56	0	N	2	c	1	74	48	-	
Fanö ...	29.97	63	NH	4	b	29.96	- .10	64	57	- 2	NNW	3	1	*	75	52	-	
Cuxhaven ...	30.08	?	N	3	b	30.02	- .09	64	62	- 6	N	3	c	*	2	57	-	
Sumburgh Head ...	30.21	50	NE	5	b	30.18	- .08	52	47	+ 1	NE	5	5	4	53	47	-	
Stornoway ...	30.11	65	NE	1	b	30.06	- .08	60	58	- 1	Z	0	0	0	66	55	-	
Thurso ...	30.19	54	SE	2	b	30.14	- .09	54	50	+ 3	SE	2	2	2	62	49	-	
Wick ...	30.19	55	E	2	b	30.16	- .08	54	52	+ 2	E	2	1	1	60	47	-	
Nairn ...	30.19	56	N	1	o	30.12	- .11	53	57	0	Z	0	0	0	58	52	-	
Aberdeen ...	30.16	53	SE	1	b	30.11	- .11	56	53	+ 4	ESE	1	c	2	60	50	-	
Leith ...	30.17	56	ESE	1	b	30.11	- .10	53	53	+ 1	ENE	1	1	*	63	51	-	
Shields ...	30.19	56	ENE	2	c	30.10	- .11	58	56	+ 4	E	1	0	0	58	54	-	
York ...	30.17	67	E	2	b	30.12	- .07	61	55	0	S	1	0	*	77	54	-	
Scarborough ...	30.17	56	ENE	2	f	30.07	- .12	59	56	+ 2	SSE	1	c	1	63	52	-	
Nottingham ...	30.15	71	ESE	3	b	30.12	- .06	66	58	+ 4	SE	2	1	*	52	48	-	
Ardrossan ...	30.12	69	Z	0	c	30.08	- .08	60	57	+ 4	NE	2	1	1	74	50	0.07	
Greenecastle ...	30.07	68	E	2	o	30.04	- .06	67	63	+ 3	E	1	0	*	75	?	-	
Donaghadee ...	30.13	62	ENE	2	b	30.07	- .08	59	56	- 1	NNE	3	2	2	66	57	-	
Kingstown ...	30.12	64	ESE	1	o	30.09	- .02	61	59	- 2	E	1	1	1	67	59	0.02	
Holyhead ...	30.10	65	NNE	1	c	30.07	- .04	58	57	- 4	SSH	1	0	0	72	56	0.06	
Liverpool (Bidston) ...	30.08	74	ESE	2	b	30.08	- .05	65	57	+ 2	SE	2	1	1	79	56	-	
Valencia ...	30.09	61	Z	0	mv	30.09	- .01	57	55	- 2	S	1	0	2	67	55	-	
Roche's Point ...	30.11	64	SSH	2	o	30.11	+ .02	59	55	- 3	NH	2	c	2	67	55	0.04	
Pembroke ...	30.11	61	NH	1	o	30.09	+ .01	56	56	- 4	NNH	1	0	0	65	55	0.13	
Portishead ...	30.08	68	SH	2	b	30.07	- .03	61	60	- 6	NNE	2	1	1	72	54	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Plymouth ...	30.12	66	NH	1	o	30.08	- .01	65	62	+ 2	Z	0	c	*	71	57	-	
Hurst Castle ...	30.10	62	SH	3	c	30.08	- .03	62	61	- 6	Z	0	m	0	70	56	-	
Dover ...	30.11	63	SH	2	b	30.10	+ .02	61	58	- 9	E	2	c	1	74	57	-	
London ...	30.07	78	Z	0	b	30.11	0.00	61	58	- 8	ESE	2	0	*	84	56	-	
Oxford ...	...	...	...	...	...	30.08	- .02	61	57	- 2	Z	0	c	*	78	52	-	
Cambridge ...	30.11	73	NE	1	b	30.10	- .03	60	56	- 8	NE	1	1	*	81	46	-	
Yarmouth ...	30.14	63	NNE	2	b	30.12	- .01	57	55	- 4	NE	2	1	1	65	50	-	
The Helder ...	...	...	...	...	...	30.08	- .01	60	57	- 6	Z	0	1	*	*	*	-	
Cape Gris Nez ...	30.12	63	NH	1	b	30.12	+ .02	57	57	- 6	SH	1	1	0	70	54	-	
Brest ...	30.22	70	N	1	b	30.12	- .10	64	59	+ 3	E	3	3	2	67	55	-	
L'Orient ...	30.15	66	NH	2	b	30.07	- .13	63	61	+ 2	E	3	3	3	70	55	-	
Rochefort ...	30.10	72	NH	3	b	30.01	- .18	66	64	0	SE	3	3	3	79	55	0.79	
Biarritz ...	30.00	79	ENE	3	b	29.96	- .19	72	63	+ 3	SSE	3	0	2	84	63	-	
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Brussels ...	...	...	...	...	...	30.06	- .01	66	...	- 2	NNW	1	?	*	*	*	-	
Charleville ...	...	...	...	...	...	?	?	64	...	- 2	NE	3	0	*	*	*	-	
Paris ...	30.11	72	SW	3	b	30.10	- .04	71	...	+ 6	NE	1	1	*	*	*	-	
Lyons ...	...	...	...	...	...	30.13	- .05	71	...	0	SE	2	1	*	*	*	-	
Toulon ...	30.12	74	S	1	b	30.13	0.00	72	61	0	SE	3	2	2	88	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	30.10	59	52	NH	5	6	2	Valencia ...	30.08	66	62	NNH	1	com	2
Thurso .....	30.21	60	54	SE	2	6	2	Scilly .....							
Scarborough ...	30.20	59	56	NE	2	0	2	London .....	30.09	77	64	2	0	com	2
Greenecastle ...	30.10	70	63	SE	1	0	2	Rochefort ...	30.13	72	64	SE	1	6	2
Holyhead .....	30.12	70	67	Z	0	0	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.

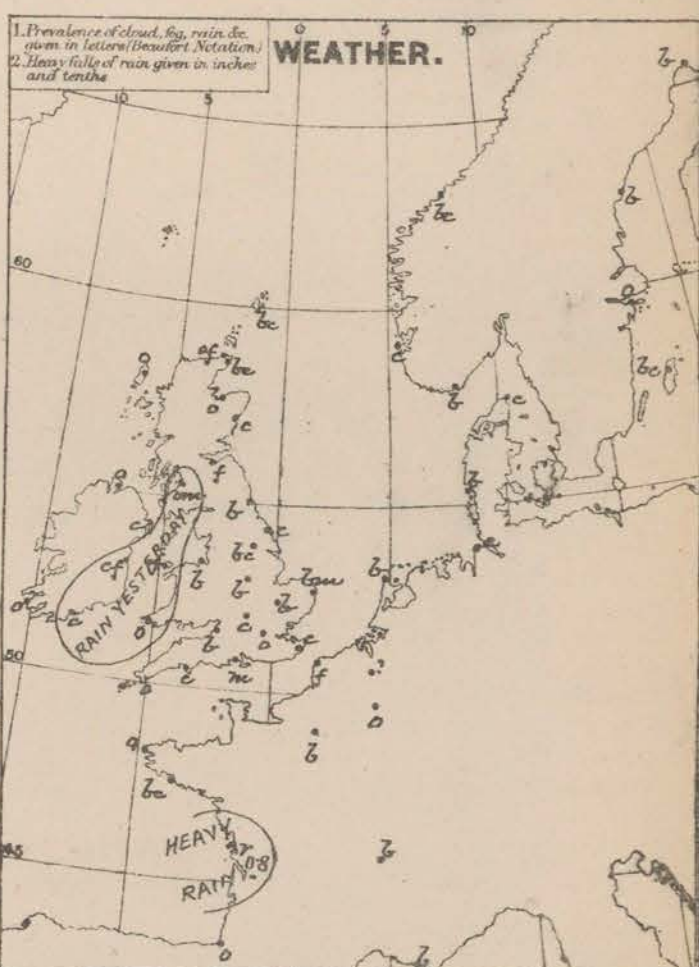
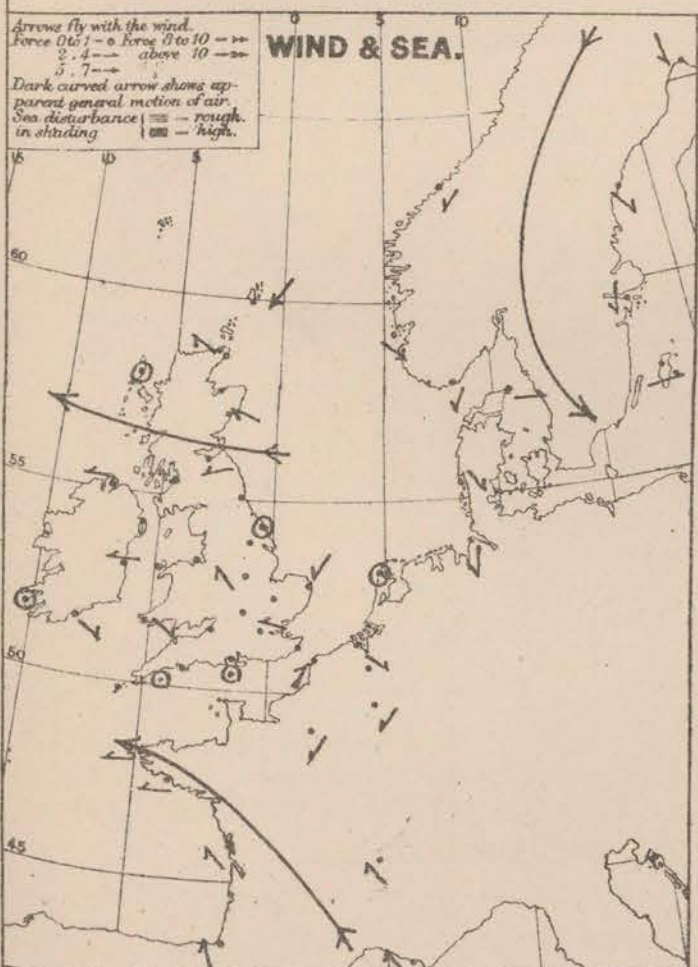
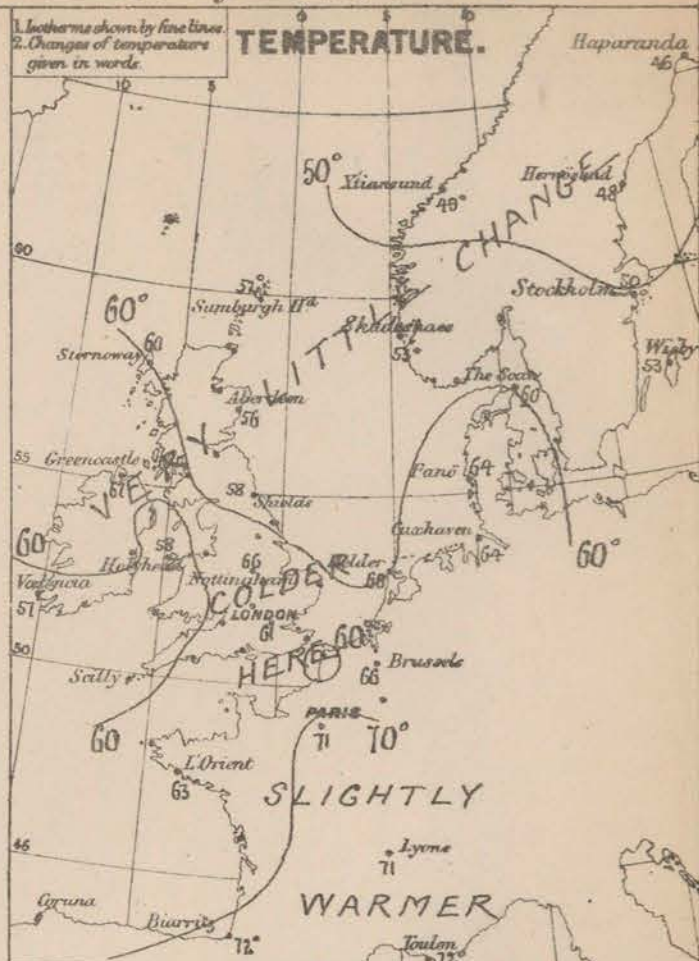
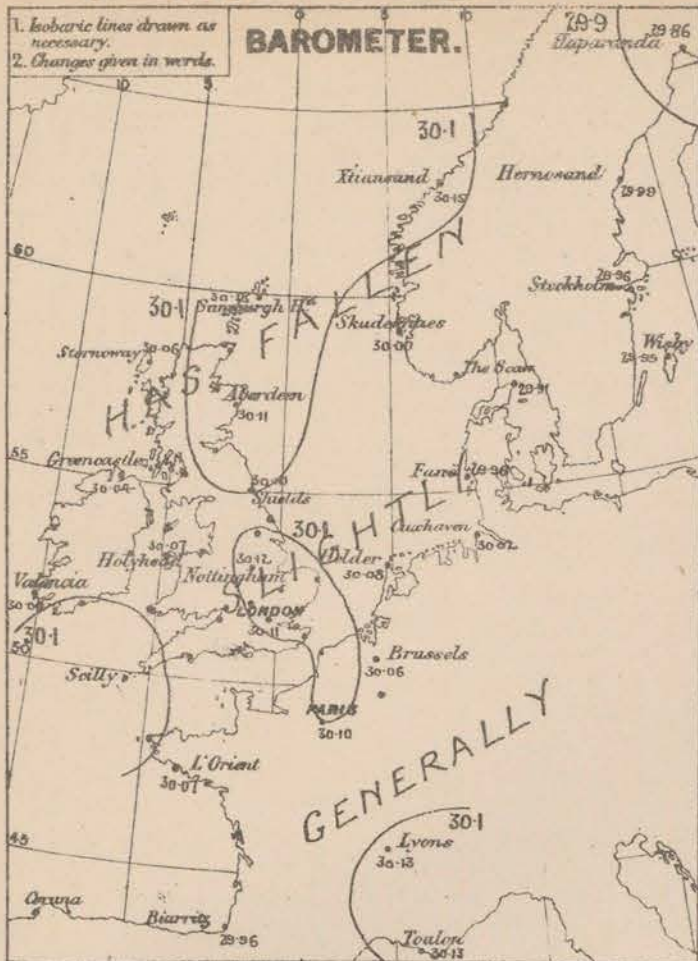
\* AN ASTERISK is inserted in all places for which information is not usually received.

† 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 Wednesday 20 JUNE 1877.



**REMARKS.** This morning a decrease of pressure is reported from all parts of W. Europe. The change though slight everywhere has, however, been rather greater in the SW and NE (that is where readings were highest yesterday) than elsewhere, so that pressure has become still more uniform over our area. Moderate N. breezes still prevail in Scandinavia, but on all other coasts very light and variable airs are reported. Temperature has not changed much generally, but a slight rise has occurred over France, and a decrease of several degrees at the SE stations. In London the thermometer in the shade rose to 64° yesterday, and over 80° was registered in many parts of Central England. The sky is rather more cloudy this morning than it has been of late, and some rain has fallen in the W. The sea is slight to smooth.

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

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

R. H. SCOTT,  
Director.



# DAILY WEATHER REPORT

JUNE 21<sup>ST</sup> 1877.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 P.M. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 8 P.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda	29.85	42	N	4	c	29.83	- .03	42	40	- 4	N	2	0	*	*	*	-	
Hernösand	29.92	57	NW	2	c	29.90	- .09	49	42	+ 1	N	4	60	*	*	*	-	
Stockholm	29.96	50	NNE	4	b	29.97	+ .01	50	47	0	NNW	2	0	*	*	*	-	
Wisby	29.94	46	E	4	b	29.99	00	49	45	- 4	NNE	4	60	*	*	*	-	
Christiansund	30.09	46	NNE	6	b	30.00	- .15	47	42	- 2	NE	3	0	3	50	39	-	
Skudesnaes	29.97	50	NNW	4	b	29.90	- .07	53	48	0	NNW	2	0	2	54	50	-	
Oxö (Ktiansand)	29.94	64	ENE	4	b	29.93	00	55	50	- 4	ENE	4	0	2	64	46	-	
Skagen (The Snow)	29.93	63	ENE	3	c	29.95	+ .04	60	55	0	SSE	3	60	2	72	52	-	
Fanö	29.98	56	NW	4	c	29.90	- .06	60	55	- 4	NW	4	0	*	68	52	-	
Cuxhaven	30.01	?	N	3	b	29.96	- .06	63	61	- 1	N	2	0	*	*	55	-	
Sumburgh Head	30.15	50	NE	4	b	30.04	- .14	50	45	- 2	ENE	3	0	1	54	44	-	
Stornoway	30.01	64	NE	1	b	29.90	- .16	59	57	- 1	SSE	1	0	1	66	49	-	
Thurso	30.11	52	ESE	2	0	29.97	- .17	51	48	- 3	ESE	2	0	3	58	49	-	
Wick	30.11	52	E	3	0	29.99	- .17	52	48	- 2	E	4	0	3	60	47	-	
Nairn	30.10	55	Z	0	0	29.96	- .16	53	50	0	Z	0	0	0	56	52	0.05	
Aberdeen	30.09	54	E	1	0	29.97	- .14	52	51	- 4	SSE	1	0	2	59	51	0.11	
Leith	?	55	ENE	2	c	29.96	- .15	57	55	+ 4	NE	1	0	*	61	52	0.09	
Shields	30.07	59	ENE	2	b	30.00	- .10	57	55	- 1	SE	2	0	0	61	54	-	
York	30.03	70	SSE	2	b	30.00	- .12	56	53	- 5	S	2	0	*	76	49	-	
Scarborough	30.06	53	SE	2	60	30.00	- .07	59	56	0	SE	2	60	1	62	51	-	
Nottingham	30.10	73	SE	2	b	30.00	- .12	58	54	- 8	NE	2	60	*	84	48	-	
Ardrossan	30.01	65	NE	3	0	29.95	- .13	58	55	- 2	NE	3	0	2	72	54	-	
Greencastle	29.97	67	NE	2	b	29.88	- .16	60	59	- 7	E	1	0	*	79	55	0.04	
Donaghadee	30.00	63	N	1	60	29.92	- .15	58	54	- 1	NNE	2	60	0	64	53	-	
Kingstown	29.99	70	SSE	3	b	29.93	- .16	63	59	+ 2	ESE	1	0	1	71	59	-	
Holyhead	29.99	61	NNW	2	b	29.89	- .18	59	57	+ 1	NNW	2	0	1	67	56	-	
Liverpool (Bishop)	29.99	68	NNW	1	b	29.94	- .14	64	55	- 1	SE	2	0	2	79	57	-	
Valencia	30.04	59	NW	1	c	29.93	- .16	62	59	+ 3	NW	2	60	2	65	57	-	
Roche's Point	30.01	67	SW	3	60	29.90	- .21	62	58	+ 3	N	3	0	3	74	58	-	
Pembroke	29.99	58	NNW	1	b	29.89	- .20	59	58	+ 3	E	1	0	0	60	55	-	
Portishead	29.95	69	NNW	3	c	29.91	- .16	64	61	+ 3	E	3	0	2	75	56	-	
Seilly																		
Plymouth	29.91	65	SE	1	60	29.87	- .21	64	60	- 1	E	1	0	*	72	57	0.02	
Hurst Castle	29.98	63	S	1	60	29.91	- .17	62	56	0	E	3	0	2	65	56	-	
Dover	30.01	61	E	3	b	29.94	- .16	63	59	+ 2	NE	4	60	2	67	56	-	
London	30.00	72	E	2	c	29.94	- .17	64	58	+ 3	E	1	60	*	82	53	-	
Oxford	*	*	*	*	*	29.93	- .15	62	53	+ 1	E	2	0	*	76	53	-	
Cambridge	29.98	78	N	1	b	29.96	- .14	60	55	0	ENE	1	60	*	81	52	-	
Yarmouth	30.05	59	NE	2	b	30.01	- .11	59	57	+ 2	ENE	2	60	2	61	54	-	
The Helder	*	*	*	*	*	29.98	- .10	62	55	+ 2	E	1	0	*	*	*	-	
Cape Gris Nez	30.01	59	NE	2	f	29.91	- .21	63	61	+ 6	ENE	3	0	2	64	57	-	
Brest	29.99	70	NE	2	0	29.92	- .20	61	59	- 3	SE	1	0	2	73	55	0.08	
L'Orient																		
Rocheport	29.94	72	SSW	2	c	29.91	- .10	66	64	0	SSE	2	0	3	79	54	0.05	
Biarritz	29.89	79	Z	0	0	29.88	- .08	68	63	- 4	SSW	2	60	2	79	63	-	
Corunna	*	*	*	*	*													
Brussels	*	*	*	*	*	29.94	- .12	65	*	- 1	NW	3	0	*	*	*	-	
Charleville	*	*	*	*	*	? 29.86	?	69	*	+ 5	S	3	0	*	*	*	-	
Paris	29.95	63	SW	1	0	29.89	- .21	71	*	0	ENE	3	0	*	*	*	-	
Lyons	*	*	*	*	*	29.99	- .14	72	*	+ 1	S	4	0	*	*	*	-	
Toulon	30.10	70	SE	2	b	30.06	- .07	66	59	- 6	E	4	0	3	81	61	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.98	52	49	NNW	6	0	Valencia .....	30.06	64	60	SW	2	0	3
Thurso .....	30.13	53	49	SE	2	0	Seilly .....							
Scarborough ...	30.07	57	55	SE	1	0	London .....	30.04	73	65	E	2	0	*
Greencastle ...	29.99	75	68	ESE	1	0	Rocheport ...	30.00	75	68	SSE	3	0	3
Holyhead .....	30.04	60	59	NNW	1	0								

The barometer is falling slowly generally. The winds continue 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.

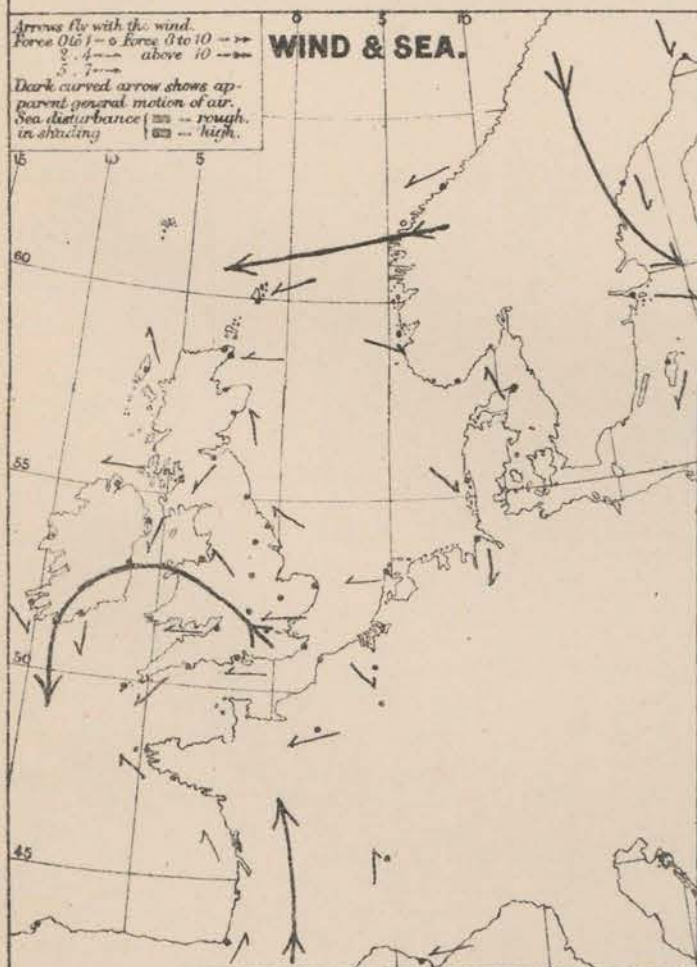
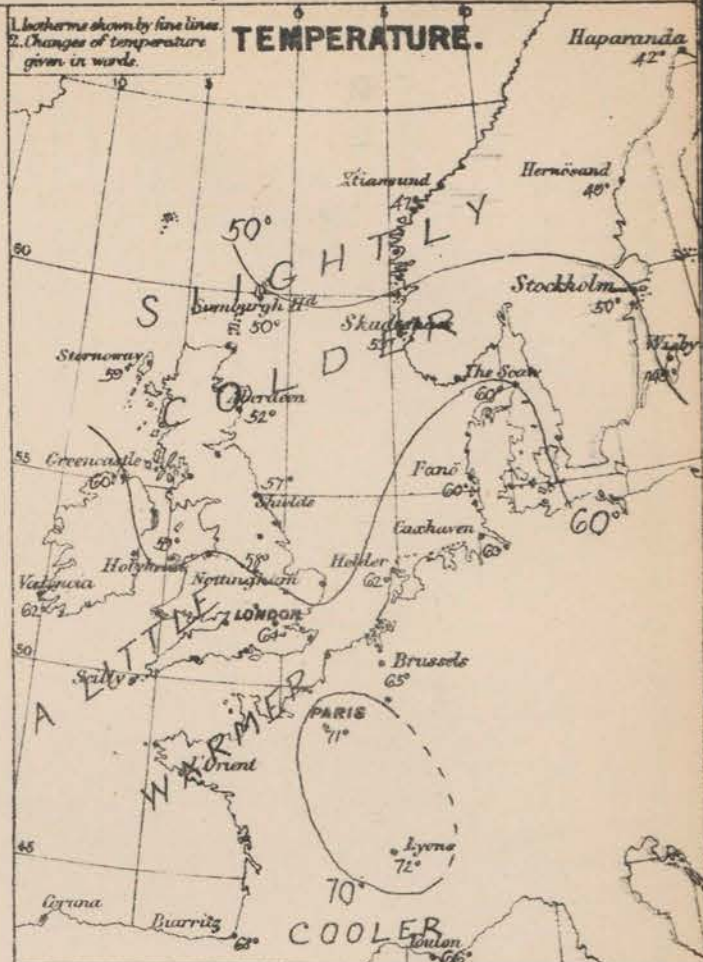
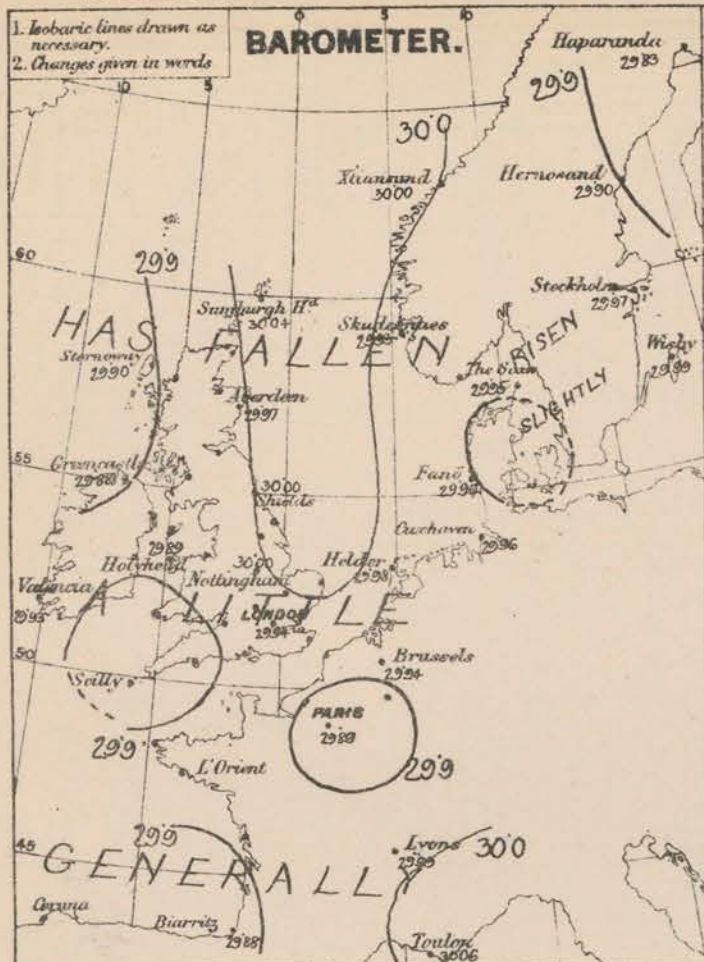
\* AN ASTERISK is inserted in all places for which information is not usually received.

† 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. 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 21<sup>st</sup> JUNE 1877.





# DAILY WEATHER REPORT

JUNE 22<sup>nd</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETERS.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.83	43	Z	0	f	29.80	-.03	50	46	+ 8	SW	2	o	*	*	*	-	
Hernösand ...	29.84	48	SSW	2	f	29.76	-.08	45	44	- 4	SSW	4	o	*	*	*	-	
Stockholm ...	29.89	50	ENE	6	f	29.82	-.07	65	54	+ 15	SW	4	bc	*	*	*	-	
Wisby ...	29.96	48	SW	4	f	29.94	-.02	55	45	+ 6	WSW	6	f	*	*	*	-	
Christiansund ...	29.82	46	NNE	5	c	29.68	-.14	49	45	+ 2	N	1	c	2	50	43	-	
Skudesnaes ...	29.83	49	NNW	4	c	29.68	-.15	50	46	- 3	NNW	4	f	2	54	?	-	
Oxö (Ålön) ...	29.80	59	SW	4	f	29.71	-.09	55	57	0	SW	4	f	2	64	52	-	
Skagen (The Seaw)	29.81	59	SSW	6	c	29.76	-.05	58	55	- 2	SW	3	o	2	66	52	-	
Fanö ...	29.76	52	NNW	1	o	29.70	-.06	64	60	+ 4	SSE	4	c	*	64	50	-	
Cuxhaven ...	29.92	?	NNE	2	f	29.72	-.20	64	60	+ 1	SSE	2	o	*	*	59	-	
Sumburgh Head	29.92	49	ENE	3	o	29.72	-.20	46	44	- 4	ENE	3	f	2	53	45	0.03	
Stornoway	29.76	60	NE	1	o	29.59	-.17	46	46	- 12	NE	9	f	6	63	45	0.74	
Thurso ...	29.85	50	ESE	2	f	29.62	-.23	45	45	- 6	E	5	f	4	53	43	0.93	
Wick ...	29.83	50	SE	4	m	29.61	-.22	46	46	- 6	NE	7	f	4	54	45	0.19	
Nairn ...	29.78	56	Z	0	f	29.54	-.24	53	52	0	Z	0	f	0	58	53	0.43	
Aberdeen ...	29.83	56	SSE	3	o	29.54	-.29	52	51	0	SSE	1	f	2	58	51	0.52	
Leith ...	29.83	56	E	1	o	29.52	-.31	55	54	- 2	Z	0	o	*	61	52	0.12	
Shields ...	29.83	57	S	4	f	29.56	-.27	53	50	- 4	S	3	f	3	60	57	0.06	
York ...	29.83	65	E	2	f	29.59	-.24	56	54	0	S	1	f	*	73	52	0.03	
Scarborough ...	29.86	55	SE	3	c	29.58	-.28	53	52	- 6	SE	3	f	2	60	52	0.03	
Nottingham ...	29.79	71	ESE	4	o	29.57	-.22	63	63	+ 5	N	2	o	*	79	54	0.32	
Ardrossan ...	29.78	64	ESE	1	o	29.53	-.25	58	56	0	Z	0	m	0	71	57	0.04	
Greencastle ...	29.75	64	NE	1	o	29.51	-.24	56	56	- 4	N	2	f	*	73	55	0.12	
Donaghadee ...	29.76	63	NNE	3	c	29.52	-.24	55	55	- 3	NNW	2	f	1	66	54	0.04	
Kingstown ...	29.76	65	E	1	o	29.54	-.22	63	60	0	NNW	3	m	2	68	60	-	
Holyhead ...	29.74	65	NNW	1	o	29.53	-.21	58	57	- 1	SW	1	f	0	70	58	0.08	
Liverpool (Bidston)	29.75	69	SE	1	o	29.52	-.23	61	60	- 3	SE	1	o	1	75	57	0.14	
Valencia ...	29.78	62	NNW	3	bc	29.67	-.11	56	55	- 6	NN	4	odg	3	66	55	-	
Roche's Point...	29.78	66	SE	1	o	29.58	-.20	58	56	- 4	N	4	c	3	68	57	0.58	
Pembroke ...	29.74	64	Z	0	o	29.55	-.19	57	57	- 2	SW	1	f	2	67	? 52	0.21	
Portishead ...	29.71	62	S	4	f	29.56	-.15	60	57	- 4	SW	4	c	1	76	56	0.43	
Seilly ...																		
Plymouth ...	29.75	60	E	1	o	29.63	-.12	59	58	- 5	S	2	o	*	67	57	0.25	
Hurst Castle ...	29.79	63	Z	0	m	29.66	-.13	60	59	- 2	SSW	3	o	2	65	56	0.18	
Dover ...	29.80	63	ENE	2	c	29.70	-.10	58	57	- 5	SW	4	o	2	69	57	0.03	
London ...	29.80	67	E	3	o	29.65	-.15	65	59	+ 1	SW	2	bc	*	80	58	0.03	
Oxford ...	*	*	*	*	*	29.63	-.17	60	57	- 2	SSW	3	o	*	76	58	0.33	
Cambridge ...	29.79	72	ESE	1	o	29.62	-.17	64	61	+ 4	S	2	o	*	78	57	0.05	
Yarmouth ...	29.84	60	E	2	f	29.62	-.18	62	60	+ 3	WSW	2	m	2	62	56	0.06	
The Helder ...	*	*	*	*	*	29.64	-.14	64	63	+ 2	S	1	c	*	*	*	0.04	
Cape Gris Nez	29.81	63	S	1	f	29.73	-.08	59	59	- 4	SSW	3	f	3	66	55	0.57	
Brest ...	29.88	70	WSW	2	f	29.78	-.10	57	57	- 4	N	3	o	3	?	55	0.20	
L'Orient ...																		
Roche fort ...	29.88	70	N	4	f	29.90	-.02	64	61	- 2	N	5	bc	3	75	59	-	
Biarritz ...	29.95	75	NN	1	f	29.96	+ .01	68	64	0	ENE	1	c	2	75	63	0.08	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.73	-.21	68	*	+ 3	SW	1	c	*	*	*	0.02	
Charleville ...	*	*	*	*	*	29.75	-.11	63	*	- 6	S	1	o	*	*	*	*	
Paris ...	29.82	68	SW	3	f	29.83	-.01	68	*	- 3	SSW	4	bc	*	*	*	-	
Lyons ...	*	*	*	*	*	29.95	-.04	73	*	+ 1	SE	2	f	*	*	*	*	
Toulon ...	29.99	73	SE	1	f	29.97	-.02	66	61	0	E	4	bc	3	77	66	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.85	54	?	NN	3	f	2	Valencia .....	29.83	64	50	NN	3	c	3
Thurso .....	29.90	53	50	ESE	4	o	3	Seilly .....							
Scarborough ...	29.91	57	58	ESE	3	f	2	London .....	29.84	72	62	E	2	c	*
Greencastle ...	29.80	67	63	ESE	2	o	*	Roche fort ...	29.87	72	66	SSW	4	bc	3
Holyhead .....	29.83	69	63	NNN	1	o	0								

The barometer still falls steadily, and rather more in the S. than in the N. 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. 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.

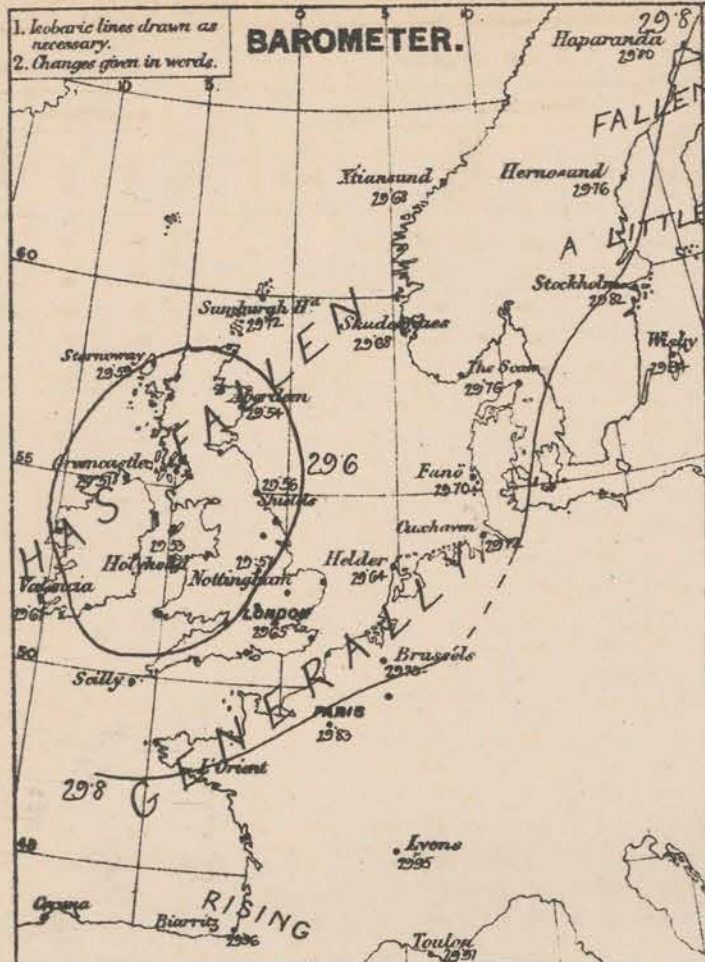
N.B.—The wind is said to "veer" when its direction changes with the rose, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Friday 22<sup>ND</sup> JUNE 1877.

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

## BAROMETER.



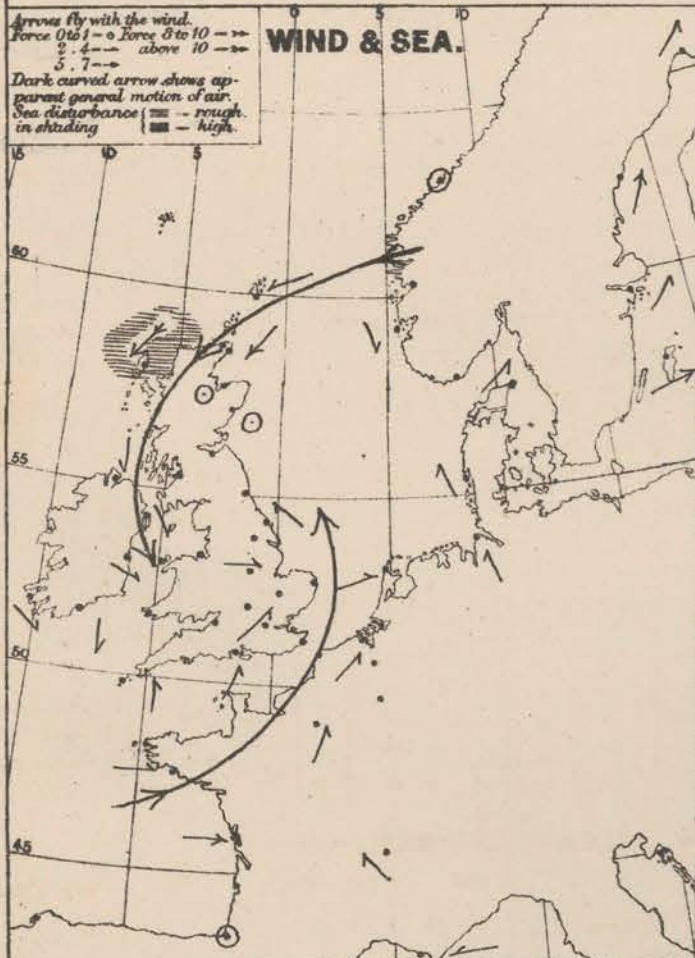
1. Isobars shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



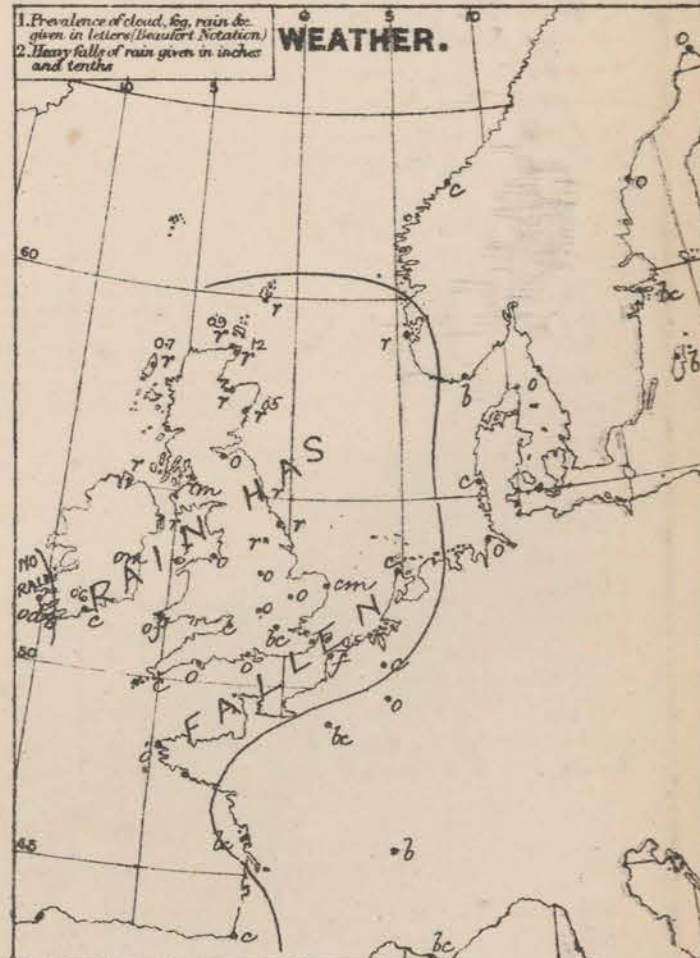
1. Arrows fly with the wind. Force 0 to 10 — 10 — 20 — 30 — 40 — 50 — 60 — 70 — 80 — 90 — 100 —
2. Dark curved arrow shows apparent general motion of air.
3. Sea disturbance — rough in shading — high.

## WIND & SEA.



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

## WEATHER.



**REMARKS.** A decrease of pressure is reported this morning from nearly all parts of Western Europe. The greatest change has occurred over these islands, and a large shallow depression is now shown lying over Ireland, Scotland and the greater part of England. In the south west of France a slight recovery is reported this morning. The wind is light or moderate from N. in the south of Ireland, from W and SW over the Channel and France and from S. in the east, while in the north strong E. winds, increasing to the force of a gale at Stornoway, are experienced. Temperature has fallen a few degrees generally. The thermometers reached only 80° in the shade in London yesterday and varied between 70° and 80° in other parts of Central England. Heavy rain has fallen in the north of Scotland, and smaller amounts in nearly all other places. In some parts of London the fall was very heavy though our Observers at Portico registered only 0.05 in. The sky is very cloudy this morning, with rain at all the more northern stations. The sea is slight except at Stornoway.

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

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

R. H. SCOTT.  
Director.



# DAILY WEATHER REPORT

JUNE 23<sup>rd</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Baromet. at 320 ft. and Sea Level.	Temp. in shade.	WIND.			Weather.	Barometre.		SEASIDE TEMP.			WIND.			Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.
			Dirco.	Force. (0 to 11).	Force. (0 to 11).		Reading at 320 ft. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 11).	Force. (0 to 11).			Max.	Min.	
Haparanda ...	29.71	44	SW	3	6	6	29.46	- .34	45	45	- 5	S	4	7	7	3	*	*	-
Hernösand ...	29.53	45	E	2	f	f	29.33	- .43	49	48	+ 4	S	2	0	0	3	*	*	0.24
Stockholm ...	29.66	54	SSE	5	v	v	29.39	- .43	61	59	- 4	S	4	c	c	3	*	*	-
Wisby ...	29.71	54	S	6	0	0	29.46	- .48	64	59	+ 9	SW	4	6	6	3	*	*	0.12
Christiansund ...	29.53	48	NN	3	v	v	29.43	- .35	48	44	- 1	NE	3	c	3	3	50	43	0.28
Skudesnaes ...	29.45	48	NNH	2	0	0	29.29	- .39	49	47	- 1	NNH	6	7	3	3	50	48	-
Oxö (Klansand) ...	29.43	39	E	4	0	0	29.23	- .45	58	57	+ 3	S	5	7	3	3	61	48	-
Skagen (The Seaw) ...	29.44	58	SW	4	7	7	29.31	- .45	59	57	+ 1	SW	3	0	2	2	68	54	0.20
Fanö ...	29.48	57	SSW	4	v	v	29.40	- .30	60	59	- 4	SW	6	0	*	*	72	50	0.28
Cuxhaven ...	29.61	4	SW	3	6	6	29.46	- .26	63	61	- 1	SW	5	c	*	*	*	59	0.60
Sumburgh Head ...	29.60	49	NE	4	7	7	29.60	- .12	46	43	0	N	5	c	3	3	50	42	0.13
Stornoway ...	29.67	46	NE	3	0	0	29.79	+ .20	48	45	+ 2	N	4	c	5	5	48	46	0.28
Thurso ...	29.62	46	NNE	4	7	7	29.70	+ .08	48	44	+ 3	NNH	4	6	4	4	49	44	0.47
Wick ...	29.59	45	NE	4	7	7	29.70	+ .09	48	45	+ 2	N	3	c	4	4	49	40	0.45
Nairn ...	29.57	46	NE	6	7	7	29.73	+ .19	48	45	- 5	NN	3	c	2	2	53	45	0.68
Aberdeen ...	29.43	50	Z	0	7	7	29.67	+ .13	48	45	- 4	NNH	4	c	4	4	55	45	0.50
Leith ...	29.39	53	ENE	3	7	7	29.70	+ .18	52	48	- 3	NNE	2	6	*	*	63	45	0.37
Shields ...	29.39	53	S	2	0	0	29.70	+ .14	50	47	- 3	NNE	5	0	4	4	57	47	0.37
York ...	29.42	61	WSW	2	0	0	29.66	+ .07	52	50	- 4	N	2	0	*	*	47	50	0.12
Scarborough ...	29.38	62	WSW	3	0	0	29.63	+ .05	50	49	- 3	N	4	0	4	4	62	49	0.16
Nottingham ...	29.47	61	N	1	7	7	29.66	+ .09	56	53	- 7	NNH	5	0	*	*	73	51	0.32
Ardrossan ...	29.42	58	NNH	3	v	v	29.75	+ .22	52	48	- 6	NNH	3	6	2	2	61	46	0.14
Greencastle ...	29.53	57	N	4	0	0	29.81	+ .30	51	46	- 5	N	3	7	*	*	64	45	0.05
Donaghadee ...	29.57	53	NN	6	v	v	29.79	+ .27	52	49	- 3	NNH	7	6	6	6	58	48	0.25
Kingstown ...	29.53	61	NNH	4	0	0	29.84	+ .30	52	47	- 11	NNH	5	6	4	4	63	49	0.41
Holyhead ...	29.50	57	N	3	7	7	29.78	+ .25	51	48	- 7	NNH	6	c	5	5	70	49	0.56
Liverpool (Bidston) ...	29.46	56	N	4	7	7	29.71	+ .19	51	48	- 10	NNH	6	c	4	4	61	51	0.11
Valencia ...	29.74	58	NNH	3	0	0	29.96	+ .29	57	49	+ 1	N	3	6	3	3	60	57	0.02
Roche's Point ...	29.69	60	NNH	5	v	v	29.91	+ .33	55	50	- 3	NNH	4	6	3	3	62	49	-
Pembroke ...	29.56	56	NNH	3	0	0	29.82	+ .27	52	48	- 5	NNH	4	6	2	2	62	57	0.10
Portishead ...	29.50	60	SW	3	0	0	29.75	+ .19	53	49	- 7	N	3	0	2	2	68	57	0.05
Scilly ...	29.71	58	WNW	6	0	0	29.90	+ .26	57	51	- 1	NNW	5	0	4	4	63	56	0.03
Plymouth ...	29.62	63	N	3	0	0	29.83	+ .20	60	54	+ 1	NNH	4	6	*	*	67	54	0.07
Hurst Castle ...	29.60	60	SW	5	0	0	29.77	+ .11	57	55	- 3	NN	5	0	5	5	62	55	0.05
Dover ...	29.61	60	SW	4	v	v	29.69	- .01	62	60	+ 4	WSW	4	c	3	3	64	58	0.06
London ...	29.56	65	SW	2	0	0	29.72	+ .07	57	52	- 8	NNH	2	0	*	*	70	56	-
Oxford ...	*	*	*	*	*	*	29.72	+ .09	56	57	- 4	N	3	0	*	*	72	54	0.10
Cambridge ...	29.49	67	SW	3	v	v	29.68	+ .06	57	53	- 7	SW	2	0	*	*	73	53	0.04
Yarmouth ...	29.50	64	SW	4	6	6	29.62	.00	57	54	- 5	NNH	4	6	2	2	69	54	0.16
The Helder ...	*	*	*	*	*	*	29.55	- .09	60	59	- 4	SW	2	7	*	*	*	*	0.04
Cape Gris Nez ...	29.65	59	SW	5	v	v	29.71	- .02	57	57	- 2	SW	6	f	5	5	64	55	0.16
Brest ...	29.85	64	NNH	4	0	0	29.99	+ .21	57	55	0	NN	3	0	3	3	?	55	0.08
L'Orient ...	29.84	61	WNW	5	N	N	29.98	+ .19	59	57	- 3	WNW	3	0	4	4	61	55	0.04
Rocheport ...	29.95	70	N	6	6	6	30.04	+ .11	66	61	+ 2	NNH	5	6	3	3	70	57	-
Biarritz ...	29.97	75	NNH	3	6	6	30.02	+ .06	63	61	- 5	ESE	1	7	3	3	?	59	0.20
Corunna ...	*	*	*	*	*	*	Not received			*	*	*	*	*	*	*	*	*	*
Brussels ...	*	*	*	*	*	*	29.74	+ .01	61	*	- 7	SW	6	0	*	*	*	*	*
Charleville ...	*	*	*	*	*	*	29.72	- .03	69	*	- 4	NN	6	0	*	*	*	*	0.60
Paris ...	29.76	74	SW	4	v	v	29.87	+ .04	60	*	- 8	SW	4	0	*	*	*	*	0.32
Lyons ...	*	*	*	*	*	*	30.00	+ .05	70	*	- 13	N	2	v	*	*	*	*	*
Toulon ...	29.98	72	SE	3	0	0	29.92	- .05	70	64	+ 4	SW	3	c	3	3	77	?	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.55	49	44	NN	1	0	2	Valencia .....	29.69	58	56	NN	3	59	3
Thurso .....	29.61	45	44	NE	5	0	4	Scilly .....	29.64	60	59	WNW	5	0	4
Scarborough ...	29.44	54	55	SE	4	0	3	London .....	29.57	68	62	SW	3	c	*
Greencastle ...	29.50	53	57	N	3	0	*	Rocheport ...	29.96	66	61	N	6	c	3
Holyhead .....	29.58	59	58	SW	1	7	0								

Pressure is now recovering slightly in the SW, but is still falling elsewhere - most at Scarborough.  
The winds are unchanged.

## EXPLANATION OF COLUMNS.

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

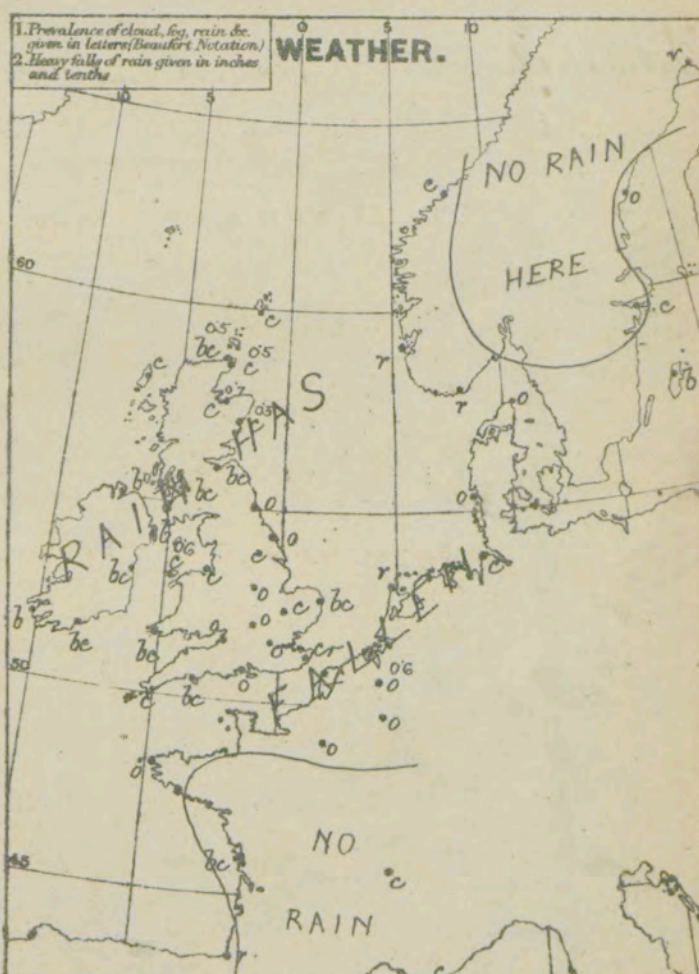
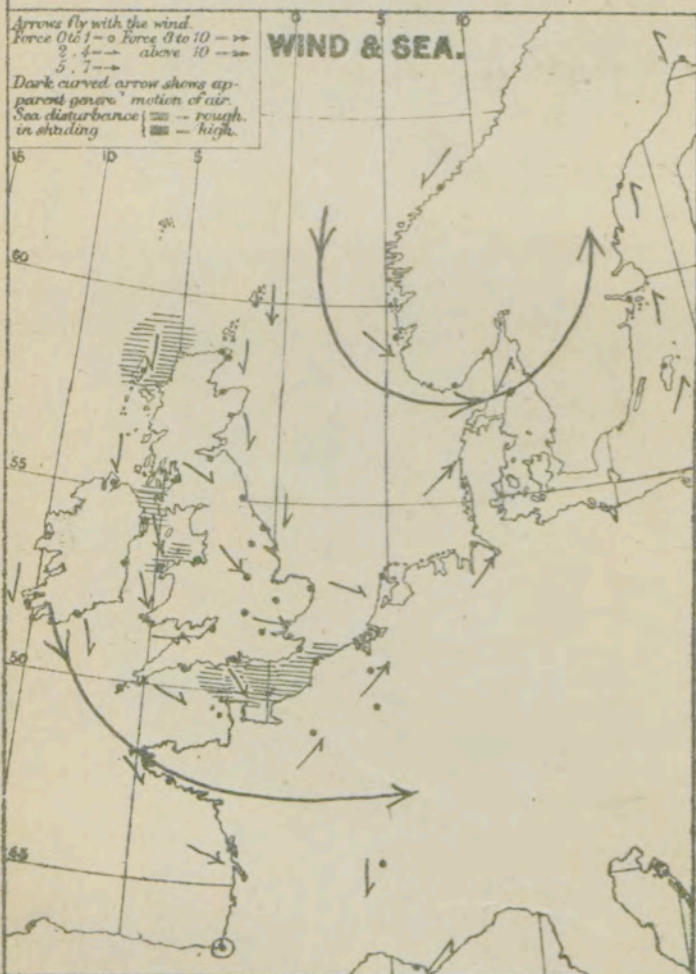
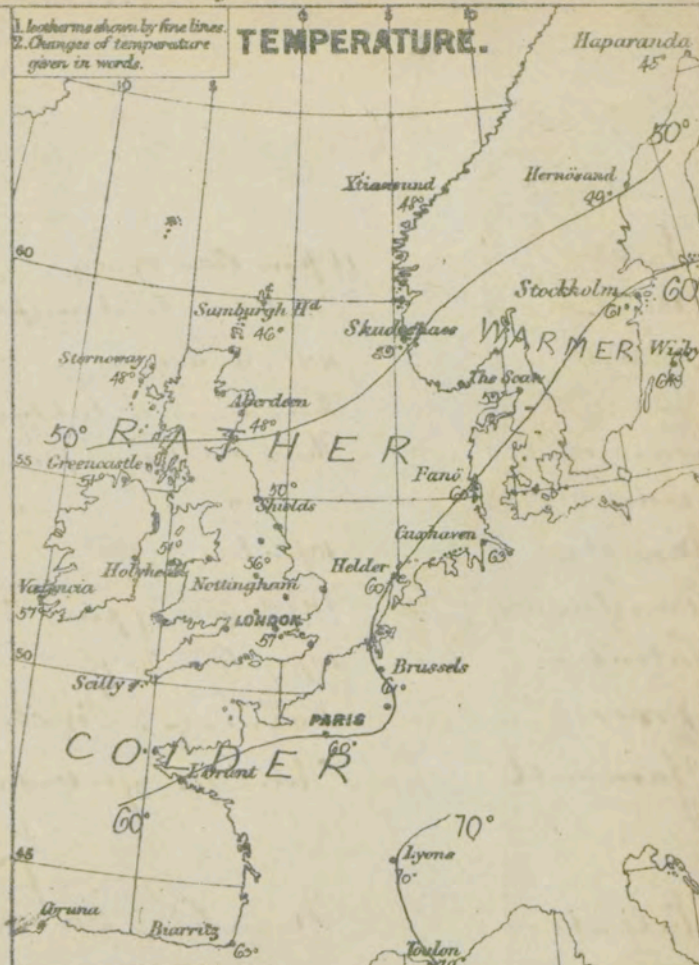
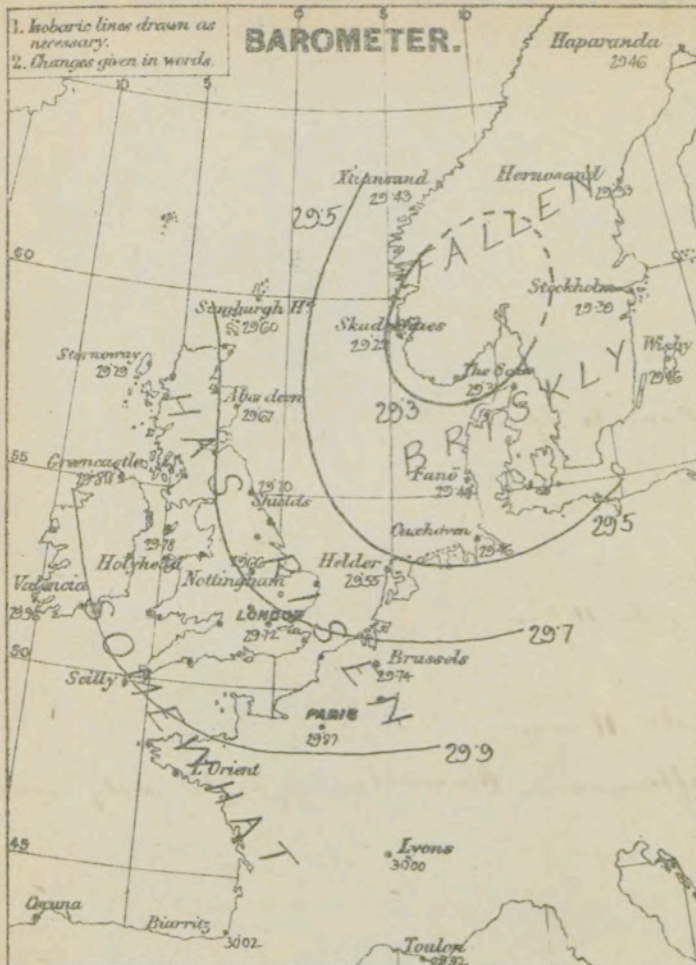
\* AN ASTERISK is inserted in all places for which information is not usually received.

† 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 23<sup>rd</sup> JUNE 1877.



**REMARKS.** The depression which lay over these Islands yesterday morning has since moved away NE<sup>ly</sup> across the North Sea, and now has its centre over the south of Norway and the Skager Rack. It has at the same time become deeper, the lowest readings this morning being nearly three tenths lower than those of yesterday. Pressure has given way briefly on the eastern shores of the North Sea, while it is now rising over the whole of these Islands, and the greater part of France. Over Denmark and Norway the wind is still SW: but on our coasts it has shifted to the N<sup>ly</sup>, and in the west of France to WNW. It is moderate generally but blown freshly in some places. With this shift of wind temperature has decreased, the change amounting to nearly ten degrees over Central England, and the thermometer is now low over the United Kingdom for the time of year. Rain has been general, with thunder in the north and east of England. The sky is cloudy this morning except in Ireland. The sea is rough in the north west, moderate to slight elsewhere.

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

R. H. SCOTT.  
Director.

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# SUMMARY OF WEATHER IN WESTERN EUROPE

from JUNE 17<sup>th</sup> to JUNE 23<sup>rd</sup> 1877.

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

During the first few days of this week no changes of importance occurred in either pressure or wind over Western Europe the former being very steady and uniform, the latter light and variable. Temperature was high reaching  $65^{\circ}$  in London on the 17<sup>th</sup>, and the weather was exceedingly fine and dry. On the night of Thursday, however, a change occurred; the barometer fell rather briskly, and a large depression was formed over Ireland, Scotland and the greater part of England, rain at the same time falling generally. As this depression moved away eastward, the winds shifted to the northwards, the weather became rather cloudy and temperature sank several degrees. Some thunderstorms have occurred in different parts of the country, but have been of slight importance.

SUNDAY 17<sup>th</sup> The barometer had fallen slightly in most places but the changes everywhere were slight and pressure continued comparatively high over the North Sea, and low over France. The wind which was moderate or light on all coasts was consequently generally easterly at our stations, while it was S<sup>W</sup> over Denmark, and NW<sup>W</sup> in the N. of France. Temperature had fallen a few degrees in the N. as well as over France, and risen at most of the southern stations. Over Central England it reached about  $60^{\circ}$  in the shade in the middle of the day. A heavy thunderstorm had occurred in the N. of France on the previous day, but elsewhere the weather had been and continued dry and fine. During the day pressure gave way slowly except in the North of Scotland and West of France, but the general conditions were unaltered.

MONDAY 18<sup>th</sup> The mercury still fell slowly in Denmark and North Germany, but in <sup>all</sup> other parts of Western Europe a recovery was in progress. The general distribution of pressure was unchanged, but the winds had backed over these Islands and a N<sup>W</sup> current was reported over most of our stations as well as in the N. of France. In all places light or moderate breezes were reported. Temperature had fallen about  $10^{\circ}$  in the N. of Scotland, and to a less extent in Scandinavia, but elsewhere it was high and still rose. The sky generally was exceedingly clear, but fog or mist prevailed in several places. Pressure changed little during the day, the weather remained fine and temperature rose to  $65^{\circ}$  in London and to over  $80^{\circ}$  at the other inland stations.

TUESDAY 19<sup>th</sup> No change of any importance had occurred in pressure over the whole of Western Europe, but readings had become even more uniform than of late. The winds were very light except at some of the Swedish stations and varied considerably in direction. Temperature had fallen slightly except at the SE<sup>W</sup> stations, and in the West of France, while the sky had become cloudy in the west and north of these Islands. Elsewhere the fine weather still held. Later Reports showed the barometer falling <sup>slowly</sup> every where, but in the SE the sky remained exceedingly clear, and the thermometer again reached  $67^{\circ}$  in the shade in London while at Toulon  $86^{\circ}$  was registered.

WEDNESDAY 20<sup>th</sup> A slight decrease of pressure was reported from all parts of Western Europe, but readings continued exceedingly uniform and the wind, with the exception of a moderate N<sup>W</sup>



breeze in Sweden was very light in force and variable in direction. Temperature had fallen several degrees at the south eastern stations but elsewhere there was little change. The sky was more or less cloudy generally, and some rain had fallen in the West. In the evening the barometer was still falling generally, but the weather was fine over England and at the Central stations the thermometer had reached  $80^{\circ}$  during the afternoon.

THURSDAY 21<sup>st</sup> Pressure still decreased everywhere, but the fall being very uniform, the general distribution was unchanged. The winds were light and still varied considerably in direction though over the Channel and south of England they were generally Easterly. Temperature continued high over England. The sky had become much more cloudy than of late except on the Eastern shores of the North Sea, and rain was reported both in the north west of France and east of Scotland. The barometer fell rather briskly all day, and in the evening rain became general, the amount in many parts of the country being large, though often local.

FRIDAY 22<sup>nd</sup> The barometer still fell in nearly all parts of Western Europe, and a large depression was lying over Ireland, Scotland, and the greater part of England, within which region the decrease amounted to about four tenths of an inch. The wind circulating round the depression blew from North in the South of Ireland, from N and N.W. in France and the Channel, from S. over the North Sea, and from N.E. in the N. of Scotland. In most places it was moderate in force, but the N.E. winds just mentioned were strong. Temperature had fallen in nearly all places and the sky was overcast with rain at all our more N.W. stations. In the evening the barometer was rising somewhat in the S.W. as the disturbance moved eastwards, and the wind was drawing into N. on all our western coasts.

SATURDAY 23<sup>rd</sup> The depression had travelled briskly N.E. during the night and lay at 8 a.m. over the south of Norway while at the same time it had become deeper the readings at its centre being two tenths lower than those of the previous night. The barometer was consequently falling briskly on the eastern shores of the North Sea, while it had risen at all our own and the French stations. The wind was N.W. on all our coasts, and north-westerly over France, while in North Germany and Denmark it was still S.W. It was moderate in most places but blew freshly at some stations. Temperature had fallen generally, and the weather was cold with clouded skies except in Ireland. Pressure rose everywhere during the day and the weather improved.



# DAILY WEATHER REPORT JUNE 24<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.40	46	S	2	r	29.34	— .12	51	50	+ 6	?	?	f	*	*	*	1.26	
Hernösand ...	29.27	47	E NE	2	o	29.17	— .16	49	49	0	ESE	2	f	*	*	*	0.12	
Stockholm ...	29.30	60	SSW	6	?	29.43	+ .14	57	49	— 4	SW	8	c	*	*	*	—	
Wisby ...	29.45	58	SW	6	?	29.63	+ .17	53	49	— 11	WSW	8	b	*	*	*	—	
Christiansund ...	29.42	47	NN	3	o	29.47	+ .04	45	43	— 3	NN	5	o	3	50	39	—	
Skudesnaes ...	29.24	48	NN	4	o	29.17	+ .48	50	45	+ 1	NN	6	o	3	52	48	—	
Oxö (Xtiansand) ...	29.41	53	NN	8	?	29.65	+ .42	52	46	— 6	N	6	?	4	59	45	—	
Skagen (The Seaw) ...	29.43	50	N	9	?	29.66	+ .35	53	48	— 6	NN	8	?	8	64	46	1.30	
Fanö ...	29.72	52	N	6	o	29.88	+ .48	57	53	— 3	N	6	o	*	63	48	—	
Cuxhaven ...	29.70	*	NN	3	o	29.99	+ .53	63	57	0	NN	3	?	*	*	52	0.16	
Sumburgh Head ...	29.70	48	NN	5	r	29.81	+ .21	44	43	— 2	NN	2	o	4	52	43	0.15	
Stornoway ...	29.90	55	NN	4	o	29.94	+ .15	51	48	+ 3	NN	4	o	4	55	44	0.02	
Thurso ...	29.81	49	NN	4	o	29.81	+ .11	50	48	+ 2	NN	4	o	4	55	43	0.08	
Wick ...	29.81	47	NNE	3	r	29.89	+ .49	52	48	+ 4	NN	6	o	3	54	42	0.06	
Nairn ...	29.88	50	WSW	3	o	29.97	+ .24	54	49	+ 6	WSW	4	o	2	55	44	0.02	
Aberdeen ...	29.71	50	NN	4	o	29.95	+ .28	54	48	+ 6	NN	1	o	1	56	44	0.02	
Leith ...	29.85	53	W	1	o	30.03	+ .33	60	54	+ 8	NN	2	o	*	63	44	0.17	
Shields ...	29.89	51	S	1	o	30.05	+ .35	54	49	+ 4	NN	2	o	3	54	44	0.04	
York ...	29.92	51	NN	2	o	30.04	+ .38	56	50	+ 4	NN	1	?	*	57	41	0.06	
Scarborough ...	29.88	52	N	2	?	30.07	+ .44	59	53	+ 9	NNE	2	?	3	59	46	—	
Nottingham ...	29.93	55	N	1	o	30.10	+ .44	60	54	+ 4	NN	2	o	*	61	38	0.02	
Ardrossan ...	29.89	55	NN	4	o	30.07	+ .32	55	51	+ 3	NN	3	?	2	58	50	—	
Greencastle ...	29.98	53	NN	2	?	30.09	+ .28	55	49	+ 4	NN	2	?	*	57	40	—	
Donaghadee ...	29.97	54	N	5	o	30.10	+ .31	57	53	+ 5	N	5	?	4	59	43	—	
Kingstown ...	29.99	58	NN	5	o	30.18	+ .34	51	47	— 1	NN	4	?	3	59	48	—	
Holyhead ...	29.97	55	NN	2	?	30.14	+ .36	52	49	+ 1		3	o	?	?	?	—	
Liverpool (Bidston) ...	29.95	55	WN	3	?	30.12	+ .41	54	49	+ 3	WN	3	o	3	57	49	0.07	
Valencia ...	30.09	58	NN	4	o	30.22	+ .26	58	51	+ 1	NN	2	o	2	60	45	—	
Roche's Point ...	30.06	60	NN	4	o	30.18	+ .27	58	52	+ 3	N	2	o	2	65	50	—	
Pembroke ...	30.00	57	NN	1	?	30.15	+ .33	56	51	+ 4	NN	1	?	1	58	51	—	
Portishead ...																		
Seilly ...																		
Plymouth ...	30.04	59	NN	2	?	30.14	+ .31	58	53	— 2	Z	0	?	*	66	50	—	
Hurst Castle ...	29.93	62	NN	4	o	30.12	+ .35	57	52	0	NN	2	?	2	63	48	—	
Dover ...	29.90	63	NE	3	o	30.09	+ .40	57	53	— 5	NN	3	o	2	65	52	0.26	
London ...	29.92	62	NN	2	o	30.11	+ .39	57	49	0	NN	2	o	*	66	46	—	
Oxford ...	*	*	*	*	*	30.12	+ .40	54	48	— 2	NN	2	o	*	64	41	—	
Cambridge ...	29.91	55	NE	1	o	30.11	+ .43	55	51	— 2	NN	1	o	*	63	42	0.05	
Yarmouth ...	29.89	55	NN	2	o	30.08	+ .46	56	53	— 1	NN	1	o	2	59	45	—	
The Helder ...	*	*	*	*	*	30.06	+ .37	56	52	— 4	NN	2	o	*	*	*	0.20	
Cape Gris Nez ...	29.89	57	WS	5	o	30.10	+ .39	57	54	0	NNE	1	o	0	61	52	0.04	
Brest ...	30.12	66	N	3	o	30.26	+ .27	55	55	— 2	N	1	?	2	63	55	—	
L'Orient ...	30.05	59	NN	3	o	30.23	+ .25	55	52	— 4	NE	3	?	?	?	?	0.04	
Rocheport ...	30.06	72	NN	3	?	30.13	+ .12	63	61	— 3	NN	3	o	3	72	55	0.12	
Biarritz ...	30.11	72	NN	3	o	30.17	+ .15	61	59	— 2	WS	3	r	3	?	59	—	
Corunna ...	*	*	*	*	*	30.16		68	*		Z	0	?	1	*	*	*	
Brussels ...	*	*	*	*	*	30.07	+ .33	56	*	— 5	N	3	?	*	*	*	0.03	
Charleville ...	*	*	*	*	*	30.00	+ .28	49	*	— 10	SE	3	o	*	*	*	*	
Paris ...	29.97	63	WN	3	o	30.09	+ .22	59	*	— 1	NN	3	?	*	*	*	—	
Lyons ...	*	*	*	*	*	?	?	?	*	?	NN	2	?	*	*	*	*	
Toulon ...	29.91	72	N	5	o	29.95	+ .03	64	57	— 6	N	5	?	4	72	?	—	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.46	51	47	NN	8	c	4	Valencia .....	30.05	59	57	NNW	3	bc	3
Thurso .....	29.75	49	47	NN	5	p	4	Seilly .....							
Scarborough ...	29.82	53	49	N	4	c	4	London .....	29.83	62	55	N	8	c	3
Greencastle ...	29.91	55	49	N	2	bc	3	Rocheport ...	30.04	72	63	W	3	c	3
Holyhead .....	29.92	55	49	NNW	4	b	3								

The barometer is rising generally - most in the E. Moderate N<sup>4</sup> winds prevail in the N. and N. and NNW<sup>4</sup> breezes in the S.

## EXPLANATION OF COLUMNS.

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

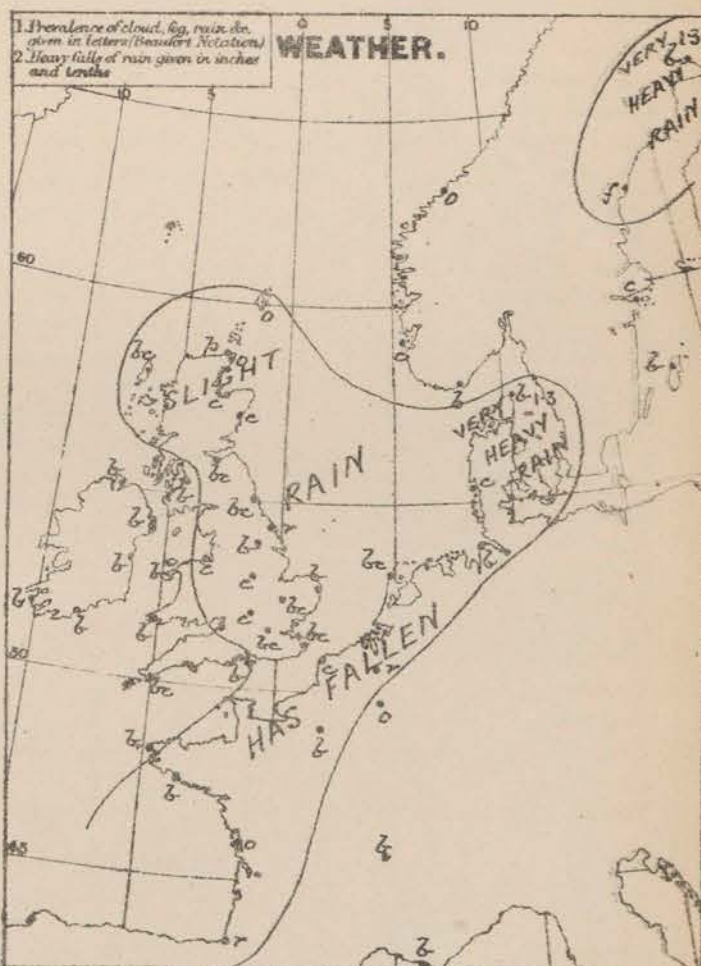
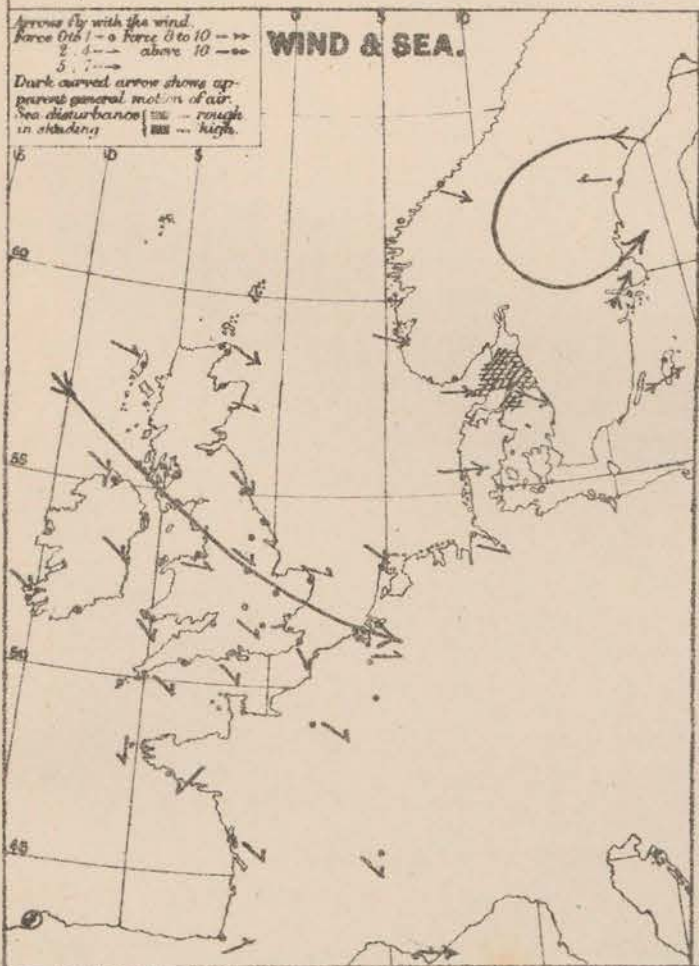
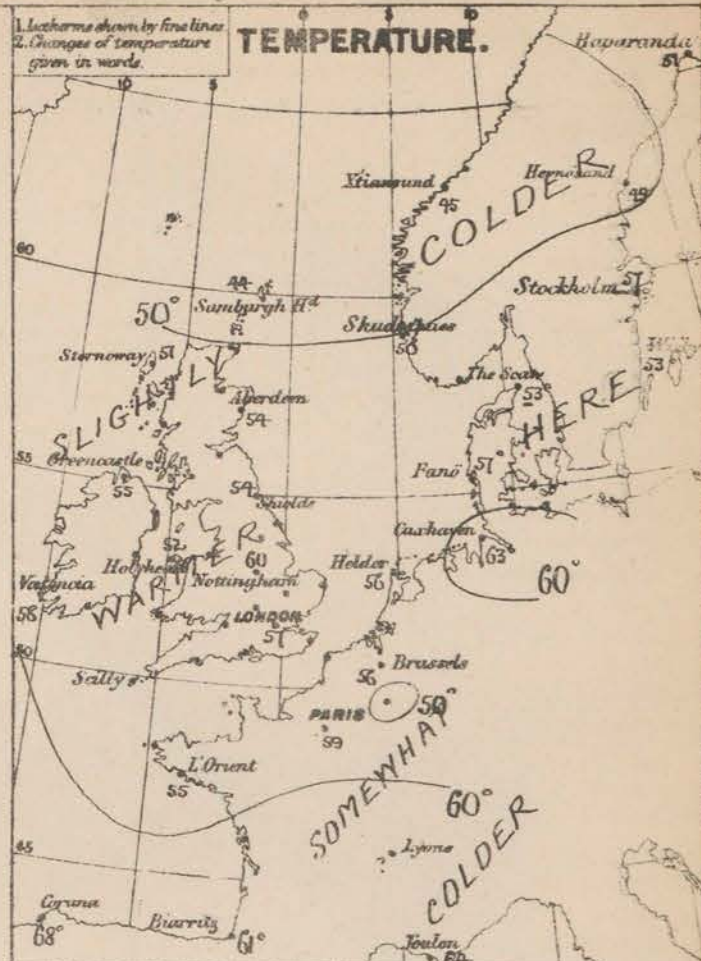
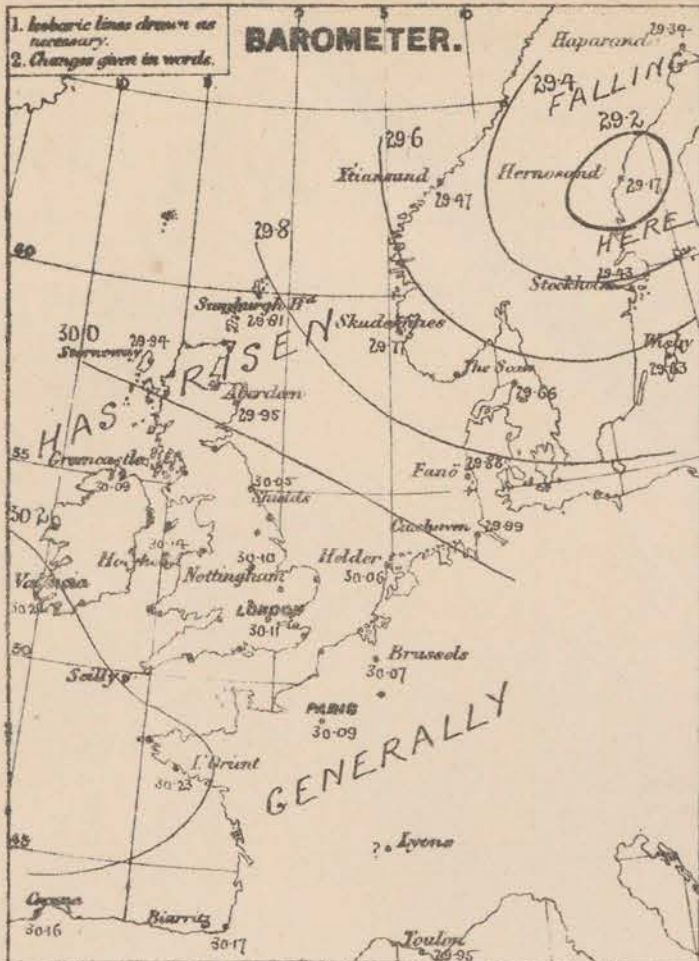
\* AN ASTERISK is inserted in all places for which information is not usually received.

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

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



**WEATHER CHARTS** *for 8 a.m. on Sunday 24. JUNE 1877.*



REMARKS. During the past 24 hours the barometer has risen on all our coasts, and the weather has improved generally. The depression which was over the E. of Norway on Saturday has passed in a NE<sup>ly</sup> direction, and is found this morning near the Gulf of Bothnia. Fresh NW<sup>ly</sup> gales are felt in the E. of Sweden, W<sup>ly</sup> gales in the Skager Rack, and strong WNW<sup>ly</sup> winds in the W. of Scandinavia. Over the United Kingdom and France light NW<sup>ly</sup> breezes are reported. Temperature has fallen over Scandinavia and France, but elsewhere a slight rise has occurred. Very heavy rain has fallen in the neighbourhood of the depression, and slight showers, except in Ireland and the W. of England. The sky is clear & most atonous. The sea is very high in the Skager Rack, but slight elsewhere.

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

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

Langerfeldt Lith 22 Bedford St. Covent Garden



# DAILY WEATHER REPORT JUNE 25<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.43	46	S	4	b	29.63	+ .29	47	40	- .4	SW	4	b	*	*	*	-	
Hernösand ...	29.65	51	NNN	2	b	29.79	+ .62	49	46	0	N	2	b	*	*	*	-	
Stockholm ...	29.76	50	N	2	b	29.86	+ .43	62	52	+ .5	SSW	2	b	*	*	*	-	
Wisby ...	29.82	50	WSN	4	b	29.89	+ .26	51	49	- .2	N	4	b	*	*	*	-	
Christiansund ...	29.63	44	SW	4	c	29.66	+ .19	44	42	- .1	WSN	3	c	3	48	39	1.30	
Skudesnaes ...	29.87	48	WSN	2	c	29.84	+ .07	52	49	+ .2	N	2	c	3	52	48	-	
Oxö (Xiansand) ...	29.91	52	N	6	c	29.89	+ .24	52	51	0	SSW	5	c	3	59	46	-	
Skagen (The Seaw) ...	29.88	53	NNN	6	b	29.94	+ .28	55	49	+ .2	N	5	b	4	60	48	-	
Fanö ...	30.01	53	N	4	c	30.02	+ .14	58	54	+ .1	N	4	c	*	59	50	0.08	
Cuxhaven ...	30.09	51	NN	3	c	30.11	+ .12	61	57	- .2	WSN	3	c	*	60	50	0.12	
Sumburgh Head ...	29.76	48	WSN	4	c	29.82	+ .04	48	44	+ .4	N	4	c	3	50	?	0.32	
Stornoway ...	29.85	55	N	4	c	29.91	- .03	50	49	- .1	NNN	4	c	4	57	42	0.32	
Thurso ...	29.84	52	?	5	c	29.88	+ .07	54	50	+ .4	N	3	c	3	56	45	0.08	
Wick ...	29.86	49	NN	4	b	29.89	00	52	49	0	N	3	b	2	56	44	0.05	
Nairn ...	29.92	52	WSN	3	c	29.93	- .04	54	49	0	WSN	3	c	2	57	48	0.05	
Aberdeen ...	29.93	57	Z	0	b	29.93	- .02	53	48	- .1	NNN	1	c	1	60	48	0.04	
Leith ...	30.02	59	NN	3	b	29.97	- .06	58	53	- .2	NN	3	b	*	67	49	-	
Shields ...	30.06	61	WSN	5	b	30.02	- .02	54	51	0	NNN	2	c	2	62	48	-	
York ...	30.10	59	N	1	c	30.09	+ .05	55	51	- .1	SW	1	c	*	63	46	-	
Scarborough ...	30.09	57	SSE	2	c	30.06	- .01	53	50	- .6	WSN	2	c	2	58	49	0.11	
Nottingham ...	30.13	63	SW	2	c	30.14	+ .04	62	55	+ .2	SW	2	b	*	68	41	-	
Ardrossan ...	30.08	58	NNN	4	b	30.01	- .06	55	52	0	NNN	2	b	2	62	57	0.09	
Greencastle ...	30.09	58	N	3	b	30.02	- .07	54	53	- .1	SW	1	c	*	63	57	0.22	
Donaghadee ...	30.13	53	SSW	4	c	30.05	- .05	58	55	+ .1	N	4	c	2	62	52	0.10	
Kingstown ...	30.17	60	SSE	4	b	30.13	- .05	56	52	+ .5	WSN	4	c	3	61	50	-	
Holyhead ...	30.17	58	SW	3	b	30.14	00	54	52	+ .2	SW	3	c	2	62	52	0.06	
Liverpool (Bidston) ...	30.15	55	NNN	2	b	30.12	00	56	51	+ .2	WSN	4	b	3	58	50	-	
Valencia ...	30.24	58	NNN	2	b	30.20	- .02	59	58	+ .1	WSN	3	c	4	62	48	0.02	
Roche's Point ...	30.22	61	N	3	b	30.21	+ .03	57	54	- .1	N	2	c	2	64	49	-	
Pembroke ...	30.22	57	NNN	1	b	30.21	+ .06	58	54	+ .2	NNN	1	b	1	58	54	-	
Portishead ...																		
Scilly ...																		
Plymouth ...	30.20	60	NN	3	b	30.23	+ .09	57	53	- .1	NN	1	b	*	68	45	-	
Hurst Castle ...	30.14	60	WSN	3	c	30.20	+ .08	60	56	+ .3	N	2	b	2	62	47	-	
Dover ...	30.14	58	SW	2	c	30.16	+ .07	63	55	+ .6	NN	2	b	1	63	53	-	
London ...	30.12	64	NN	1	b	30.18	+ .07	59	57	+ .2	WSN	1	b	*	69	46	-	
Oxford ...	*	*	*	*	*	30.17	+ .05	54	57	+ .2	Z	0	b	*	57	46	-	
Cambridge ...	30.11	62	NNN	1	c	30.14	+ .03	57	52	+ .2	WSN	1	b	*	69	45	-	
Yarmouth ...	30.12	59	SSE	1	b	30.14	+ .06	59	54	+ .3	NNN	2	b	2	60	50	0.02	
The Helder ...	*	*	*	*	*	30.13	+ .07	58	55	+ .2	WSN	1	b	*	*	*	-	
Cape Gris Nez ...	30.16	59	SW	1	b	30.16	+ .06	59	55	+ .2	Z	0	m	0	64	54	-	
Brest ...	30.30	68	NNW	2	b	30.32	+ .06	57	55	+ .2	N	1	b	1	?	48	-	
L'Orient ...	30.23	63	NNN	3	b	30.30	+ .07	57	54	+ .2	ESE	1	b	2	64	48	-	
Rocheport ...	30.16	70	NN	5	b	30.20	+ .07	62	57	0	NE	4	b	3	70	50	0.12	
Biarritz ...	30.17	60	NNE	3	b	30.19	+ .02	63	59	+ .2	E	3	b	2	68	55	-	
Corunna ...	*	*	*	*	*	30.07	- .09	70	*	+ .2	NE	1	c	1	*	*	*	
Brussels ...	*	*	*	*	*	30.17	+ .10	55	*	- .1	SE	3	c	*	*	*	0.01	
Charleville ...	*	*	*	*	*	30.07	+ .07	58	*	+ .9	N	3	c	*	*	*	*	
Paris ...	30.13	63	NN	3	c	30.21	+ .12	55	*	- .4	NN	2	b	*	*	*	-	
Lyons ...	*	*	*	*	*	30.12	?	65	*	?	N	6	c	*	*	*	*	
Toulon ...	29.93	70	NN	7	b	29.99	+ .04	63	55	- .1	NN	6	b	6	77	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.88	51	47	N	2	0	3	Valencia .....							
Thurso .....								Scilly .....							
Scarborough ...								London .....					*		
Greencastle ...						*		Rocheport ...	30.14	66	59	NN	4	b	3
Holyhead .....															

## EXPLANATION OF COLUMNS.

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

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

† The evening observations are taken at 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.







# DAILY WEATHER REPORT

JUNE 26<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		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 ...	29.84	48	S	2	b	29.80	+ .17	52	47	+ 5	S	2	b	*	*	*	-	
Hernösand ...	29.73	49	Z	0	b	29.69	- .10	58	50	+ 9	SW	4	b	*	*	*	-	
Stockholm ...	29.87	57	SSW	2	b	29.83	- .03	59	51	- 3	SSW	6	bc	*	*	*	-	
Wisby ...	29.95	55	SW	4	b	29.95	+ .06	57	51	+ 6	WSW	6	b	*	*	*	-	
Christiansund ...	29.63	49	E	3	c	29.55	- .11	43	41	- 1	SSW	2	o	2	58	57	-	
Skudesnaes ...	29.81	51	WSW	2	c	29.64	- .20	52	49	0	N	6	c	4	55	50	0.24	
Oxö (Åriansand) ...	29.86	52	SSW	4	b	29.71	- .18	52	50	0	S	4	+	3	55	?	-	
Skagen (The Seaw) ...	29.88	53	N	4	c	29.76	- .18	52	50	- 3	SW	5	o	5	63	46	0.08	
Fanö ...	29.96	56	WSW	6	c	29.86	- .16	59	57	+ 1	WSW	6	c	*	63	54	-	
Cuxhaven ...	30.06	54	WSW	2	c	30.01	- .10	62	59	+ 1	SW	4	c	*	54	54	0.01	
Sumburgh Head ...	29.69	46	WSW	1	+	29.69	- .13	47	43	- 1	WSW	5	c	2	53	39	0.28	
Stornoway ...	29.79	51	WSW	2	+	29.78	- .10	49	48	- 1	WSW	1	bc	2	54	45	0.12	
Thurso ...	29.75	51	SW	2	+	29.77	- .11	48	45	- 6	WSW	2	c	2	57	44	0.23	
Wick ...	29.65	50	N	2	+	29.79	- .10	44	44	- 5	N	2	o	1	59	41	0.11	
Nairn ...	29.81	52	WSW	1	o	29.80	- .13	48	46	- 6	Z	0	o	1	58	47	0.18	
Aberdeen ...	29.82	55	Z	0	o	29.78	- .15	48	45	- 5	N	2	o	2	61	48	0.02	
Leith ...	29.89	57	N	4	c	29.75	- .22	55	55	- 3	WSW	1	+	*	66	54	0.06	
Shields ...	29.94	61	WSW	3	c	29.82	- .21	60	58	+ 6	N	4	o	2	66	53	0.09	
York ...	30.04	58	N	3	o	29.91	- .18	58	57	+ 3	N	4	o	*	60	53	0.01	
Scarborough ...	29.99	59	WSW	2	c	29.87	- .19	59	57	+ 6	WSW	3	o	2	62	57	0.01	
Nottingham ...	30.14	63	WSW	3	o	30.01	- .13	61	57	- 1	SSW	5	ow	*	72	54	0.02	
Ardrossan ...	29.94	57	WSW	3	+	29.80	- .21	57	55	+ 2	WSW	3	+	3	60	55	0.28	
Greencastle ...	29.95	57	N	0	o	29.81	- .21	58	55	+ 4	N	4	o	*	61	53	0.42	
Donaghadee ...	29.99	59	SW	5	+	29.86	- .19	58	57	0	N	6	o	4	64	54	0.11	
Kingstown ...	30.08	63	N	4	c	29.98	- .15	59	56	+ 3	N	5	bc	4	66	56	0.03	
Holyhead ...	30.06	58	SW	3	+	29.98	- .16	56	55	+ 2	SW	4	+	3	61	52	0.22	
Liverpool (Bidston) ...	30.04	59	WSW	4	o	29.97	- .15	57	56	+ 1	WSW	4	+	3	61	55	0.07	
Valencia ...	30.17	61	SW	4	o	30.08	- .12	59	58	0	SW	4	tg	4	64	57	0.19	
Roche's Point ...	30.17	64	N	3	c	30.10	- .11	59	57	+ 2	WSW	3	bc	3	64	50	0.08	
Pembroke ...	30.15	60	WSW	3	bc	30.11	- .10	57	57	- 1	WSW	3	ow	3	60	56	0.06	
Portishead ...	30.09	57	N	4	b	30.09		59	58		SSW	4	+	2	65	55	-	
Scilly ...																		
Plymouth ...	30.21	63	WSW	2	b	30.19	- .04	60	57	+ 3	SW	2	o	*	69	56	-	
Hurst Castle ...	30.16	61	N	5	b	30.17	- .03	61	60	+ 1	N	4	o	4	62	55	-	
Dover ...	30.14	59	WSW	3	bc	30.14	- .02	63	58	0	WSW	3	bc	3	66	53	-	
London ...	30.12	66	N	2	c	30.13	- .05	64	58	+ 5	WSW	3	c	*	73	50	-	
Oxford ...	*	*	*	*	*	30.08	- .09	61	57	+ 5	SW	6	o	*	70	53	-	
Cambridge ...	30.10	64	WSW	1	o	30.05	- .09	62	59	+ 5	SW	2	o	*	70	49	0.01	
Yarmouth ...	30.08	62	WSW	1	c	30.03	- .11	62	58	+ 3	WSW	4	bc	2	67	52	-	
The Helder ...	*	*	*	*	*	30.03	- .10	61	57	+ 3	SW	2	o	*	*	*	-	
Cape Gris Nez ...	30.16	59	SW	4	b	30.17	+ .01	59	57	0	N	4	b	3	66	55	-	
Brest ...	30.33	64	N	2	b	30.32	.00	57	55	0	SE	1	o	?	?	?	-	
L'Orient ...	30.25	61	WSW	3	b	30.27	- .03	55	54	- 2	ESE	3	bc	2	66	48	-	
Rochefort ...	30.16	70	WSW	5	b	30.22	+ .02	63	59	0	E	3	b	3	75	50	-	
Biarritz ...	30.13	72	N	4	bc	30.16	- .03	64	61	+ 1	ENE	2	bc	3	?	57	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.17	.00	57	*	+ 2	SW	3	o	*	*	*	-	
Charleville ...	*	*	*	*	*	30.11	+ .04	57	*	- 1	SE	3	o	*	*	*	*	
Paris ...	30.18	64	WSW	3	bc	30.24	+ .03	60	*	+ 5	WSW	2	b	*	*	*	-	
Lyons ...	*	*	*	*	*	30.22	+ .10	64	*	- 1	N	2	b	*	*	*	*	
Toulon ...	29.95	68	WSW	6	b	30.02	+ .03	66	55	+ 3	WSW	3	b	3	73	63	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.84	55	57	WSW	2	c	3	Valencia .....	30.20	62	60	WSW	4	o	4
Thurso .....	29.82	53	50	N	3	+	3	Scilly .....							
Scarborough ...	30.01	62	57	WSW	3	c	2	London .....	30.14	67	55	N	2	bc	*
Greencastle ...	29.98	58	56	N	3	o	*	Rochefort ...	30.17	70	68	NW	4	b	3
Holyhead .....	30.08	58	56	WSW	5	c	4								

No important change beyond a rise of temperature in the E. and S. and a considerable increase of cloud in London.

## EXPLANATION OF COLUMNS.

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

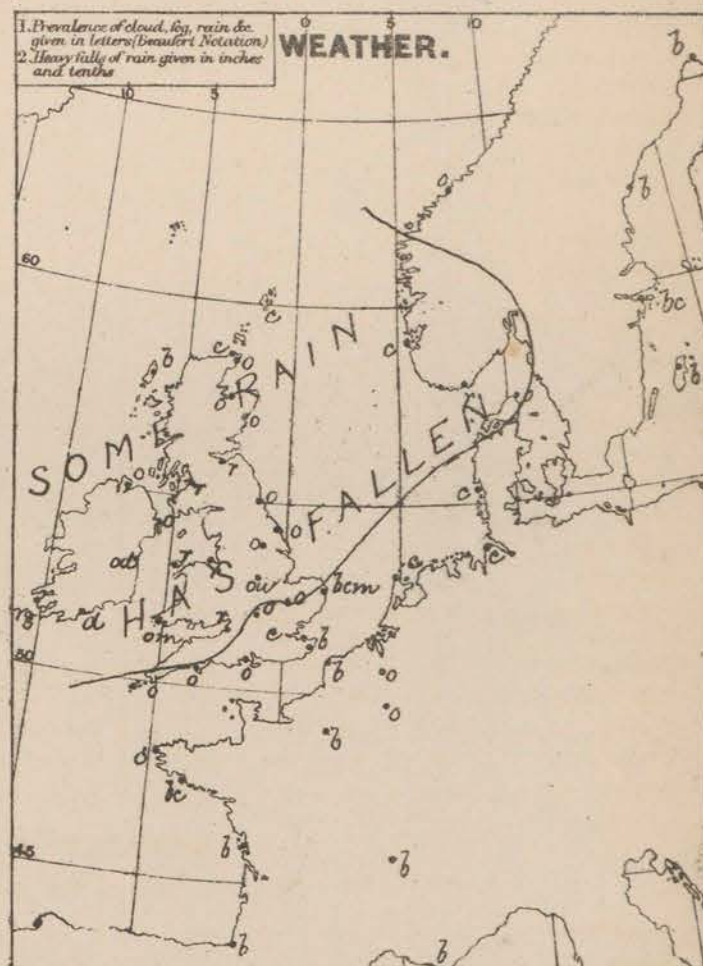
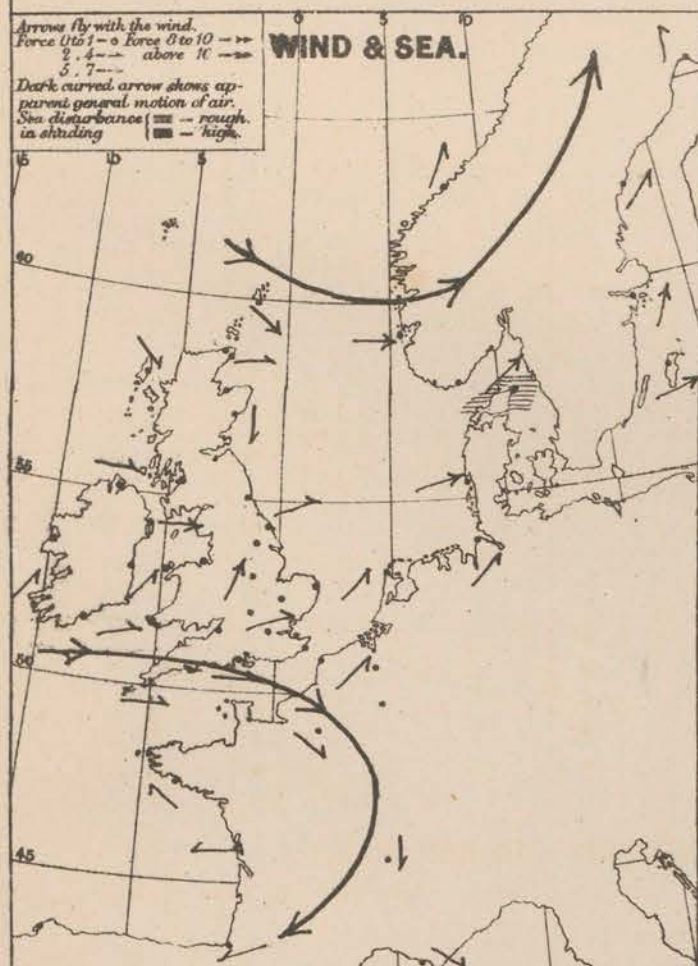
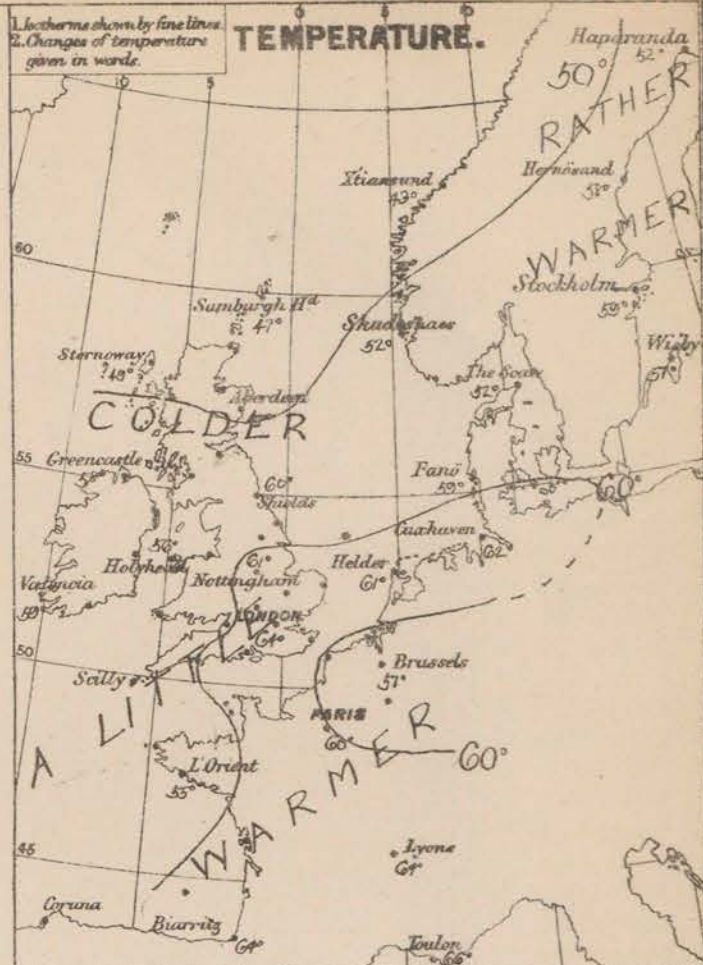
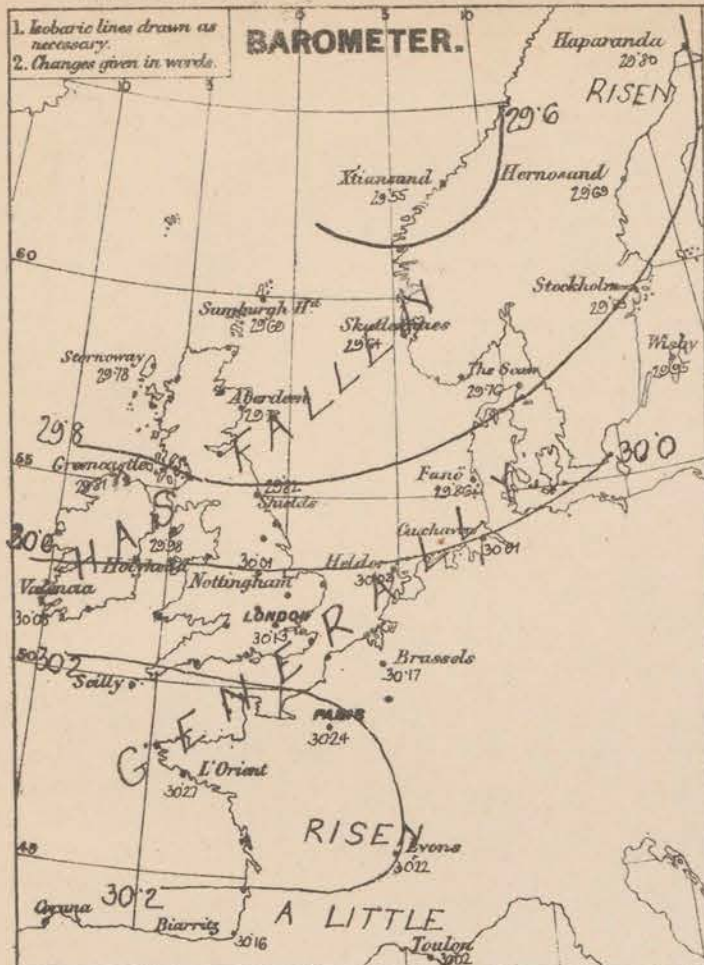
\* AN ASTERISK is inserted in all places for which information is not usually received.

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

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



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



**REMARKS.** Since yesterday the barometer has fallen more or less over the whole of the British Islands, the North Sea and Scandinavia but a tendency towards recovery has been manifested in Scotland during the night. The barometer is still highest at the mouth of the English Channel, a large but shallow depression lies off the Norwegian coasts, and some very small secondary disturbances over our Islands. Very light N.W. breezes consequently prevail at the Scotch stations, and fresh N.W. to S.W. winds in England, Ireland and over the North Sea, while in the Bay of Biscay a light E. breeze is again reported. Temperature has fallen in Scotland, and is still considerably higher in the south than in the north of our Islands. In London the maximum point reached in the shade yesterday was 73°. Rain has fallen at all but the southern stations but the amount measured is small except on our north west coasts. The sky is cloudy over nearly the whole of our Islands but clear in France and rain still falls at several of our western and northern stations. The sea is moderate in the west, smooth or slight elsewhere.

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

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

R. H. SCOTT.  
Director.



# DAILY WEATHER REPORT

JUNE 27<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Weather.	Sea. (0 to 9.)	SHADE TEMP.		
			Dirco.	Force. (0 to 12).	Force. (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.
Haparanda ...	29.72	51	SE	2	c		29.52	-.28	50	48	-.2	SE	4	r	*	*	*	*	-
Hernösand ...	29.52	49	S	6	o	?	29.57	-.19	45	42	-.13	SE	6	o	*	*	*	*	0.12
Stockholm ...	29.38	53	SSW	4	r		29.71	-.12	52	47	-.7	N	4	e	*	*	*	*	0.20
Wisby ...	29.78	57	NSE	8	o		29.81	-.14	54	57	-.3	N	4	o	*	*	*	*	0.24
Christiansund ...	29.63	44	N	5	c		29.71	+.16	45	43	+.2	NSE	6	r	4	2	39	39	0.43
Skudesnaes ...	29.77	49	NNN	2	b		29.91	+.27	53	48	+.1	NSE	2	c	3	?	?	?	-
Oxö (Ktiansand) ...	29.70	54	NSE	6	b		29.87	+.16	51	43	-.1	NN	4	b	3	57	43	-	-
Skagen (The Seaw) ...	29.71	51	NNN	6	o		29.86	+.10	52	45	0	NN	2	b	2	59	45	0.04	-
Fanö ...	29.81	54	NN	4	r		29.93	+.07	56	52	-.3	NN	3	c	*	61	50	0.47	-
Cuxhaven ...	29.96	*	N	6	r		29.98	-.03	62	55	0	N	4	c	*	*	*	*	0.36
Sumburgh Head ...	29.82	48	NN	3	c		29.94	+.25	48	45	+.1	NN	3	c	1	53	39	-	-
Stornoway ...	29.86	52	NE	2	b		29.99	+.21	52	48	+.3	SW	2	b	4	53	38	-	-
Thurso ...	29.85	53	N	2	b		29.98	+.21	50	46	+.2	N	1	c	1	57	46	-	-
Wick ...	29.87	50	E	2	c		30.00	+.21	53	50	+.6	N	2	b	0	56	44	-	-
Nairn ...	29.84	52	Z	0	o		30.00	+.20	57	48	+.3	Z	0	b	0	53	46	-	-
Aberdeen ...	29.85	49	SE	2	c		29.99	+.21	54	57	+.6	Z	0	c	1	54	41	0.08	-
Leith ...	29.84	48	N	4	c		30.01	+.26	57	52	+.2	NNN	4	b	*	62	50	0.20	-
Shields ...	29.88	63	N	5	b		30.04	+.22	52	52	-.8	NNN	2	b	0	65	50	0.02	-
York ...	29.93	64	N	4	b		?	?	59	54	+.1	NNN	3	b	*	66	49	-	-
Scarborough ...	29.89	65	NNN	4	b		30.04	+.17	55	57	-.4	NN	2	o	2	65	50	-	-
Nottingham ...	30.03	62	NSE	4	b		30.14	+.13	61	55	0	NN	5	c	*	67	52	0.01	-
Ardrossan ...	29.89	59	NNN	4	b		30.06	+.26	57	53	0	NNN	3	c	2	61	53	-	-
Greencastle ...	29.94	57	N	4	b		30.08	+.27	57	53	-.1	N	2	o	*	62	49	0.01	-
Donaghadee ...	29.96	60	NNN	5	b		30.12	+.26	58	54	0	NNN	5	b	4	65	49	-	-
Kingstown ...	30.02	65	NNN	4	r		30.19	+.21	55	57	-.4	NNN	4	b	4	69	57	0.03	-
Holyhead ...	29.99	58	SW	4	c		30.17	+.19	55	53	-.1	NNN	4	b	3	64	57	0.13	-
Liverpool (Bidston) ...	29.97	63	SW	4	b	?	30.15	+.18	54	50	-.3	N	4	c	4	65	52	0.12	-
Valencia ...	30.10	57	NNN	3	o		30.24	+.16	59	55	0	Z	0	c	2	64	44	0.09	-
Roche's Point ...	30.13	61	N	4	b		30.24	+.14	55	50	-.4	N	1	b	2	66	50	0.09	-
Pembroke ...	30.09	60	NSE	3	b		30.20	+.09	56	53	-.1	N	1	b	1	60	57	0.08	-
Portishead ...	30.10	59	N	4	c		30.15	+.06	62	58	+.3	NN	2	b	1	66	52	0.06	-
Seilly ...	30.17	64	NSE	2	c		30.17	-.02	65	62	+.5	NN	3	c	*	67	59	0.01	-
Plymouth ...	30.13	60	N	5	o		30.14	-.03	62	60	+.1	N	4	o	4	62	58	0.01	-
Hurst Castle ...	30.10	60	NSE	4	b		30.13	-.01	63	60	0	NSE	2	c	2	65	58	-	-
Dover ...	30.10	66	NSE	4	o		30.13	00	60	58	-.4	NNN	2	o	*	69	55	-	-
London ...	30.10	66	NSE	4	o		30.13	+.05	58	54	-.3	N	2	c	*	68	53	0.03	-
Oxford ...	30.03	61	SW	3	r		30.12	+.07	60	55	-.2	NN	1	c	*	66	52	0.06	-
Cambridge ...	30.00	61	N	4	r		30.09	+.06	57	54	-.5	NN	2	b	2	67	53	0.10	-
Yarmouth ...	30.00	61	N	4	r		30.04	+.01	61	59	0	NSE	1	o	*	*	*	0.12	-
The Helder ...	30.13	57	NSE	5	a		30.14	-.03	59	57	0	SW	2	o	2	61	55	-	-
Cape Gris Nez ...	30.29	68	NNN	2	b		30.28	-.04	57	55	0	NN	1	b	1	?	50	-	-
Brest ...	30.22	64	NNN	3	c		30.23	-.04	57	54	+.2	ENE	3	c	4	?	41	-	-
L'Orient ...	30.11	72	NN	2	b		30.11	-.11	66	61	+.3	ENE	3	b	3	81	55	-	-
Rochefort ...	30.06	73	NNN	4	b		30.08	-.08	66	63	+.2	Z	0	b	3	79	61	-	-
Biarritz ...	30.04	69	NN	3	b		30.14	-.13	69	67	+.2	NE	3	b	4	*	*	*	-
Corunna ...	30.15	59	NN	3	o		30.15	-.05	59	58	+.1	SW	3	o	*	*	*	-	-
Brussels ...	30.20	62	NN	3	o		30.20	-.04	62	62	+.2	N	2	b	*	*	*	-	-
Charleville ...	30.16	67	NN	3	b		30.16	-.06	67	64	+.3	N	2	b	*	*	*	-	-
Paris ...	30.06	77	NN	1	b		30.09	+.07	70	64	+.4	E	4	b	3	77	66	-	-
Lyons ...																			
Toulon ...																			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.72	52	46	NNN	6	c	3	Valencia .....	30.10	62	60	NSE	3	09	4
Thurso .....	29.82	55	47	NNN	2	b	3	Seilly .....							
Scarborough ...	29.87	64	59	N	3	o	2	London .....	30.11	64	60	SW	3	o	*
Greencastle ...	29.90	59	53	N	4	o	*	Rochefort ...	30.18	72	61	NNN	2	b	3
Holyhead .....	29.99	59	58	SW	5	c	4								

The barometer is rising again in Ireland as well as in Scotland, but is steady at present in England. In London some slight showers have occurred since 11.30 a.m. but no other change of importance is noted.

## EXPLANATION OF COLUMNS.

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

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

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

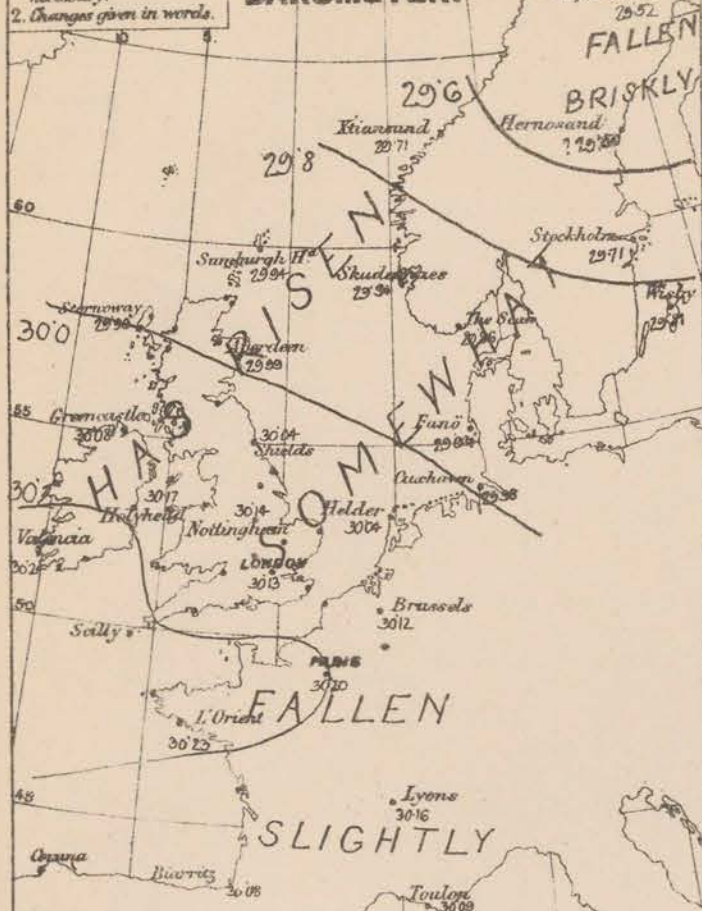
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Wednesday 27<sup>th</sup> JUNE 1877.

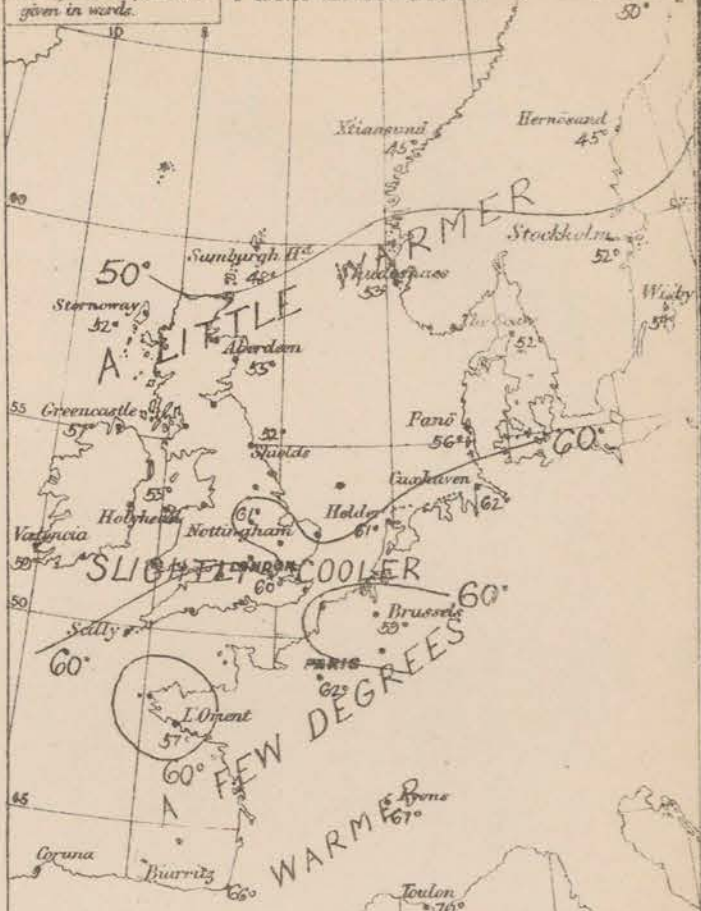
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



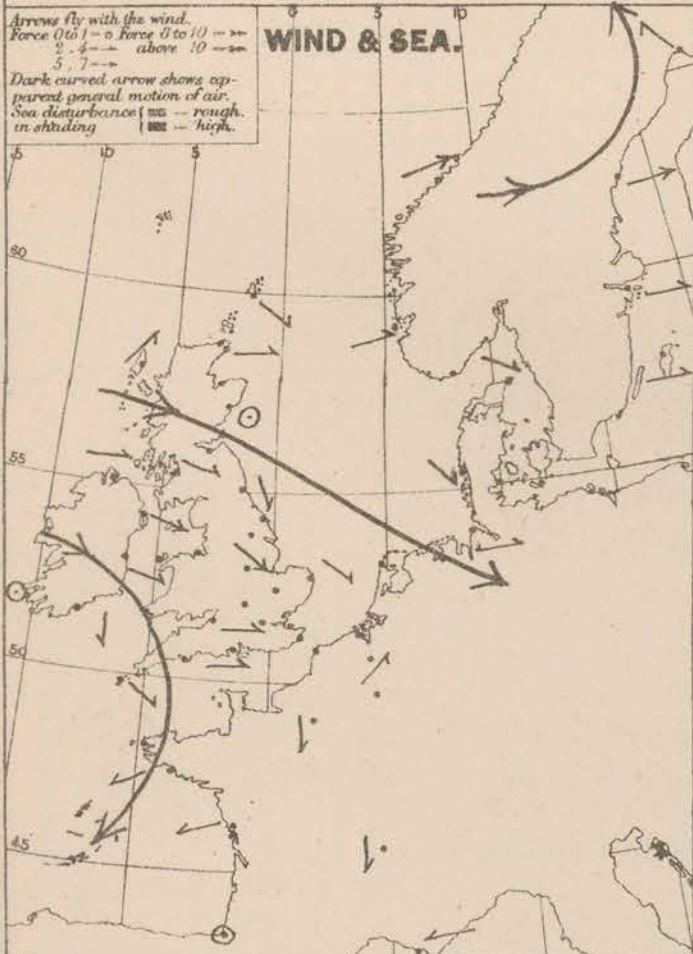
1. Isobaric lines drawn as necessary.
2. Changes of temperature given in words.

## TEMPERATURE.



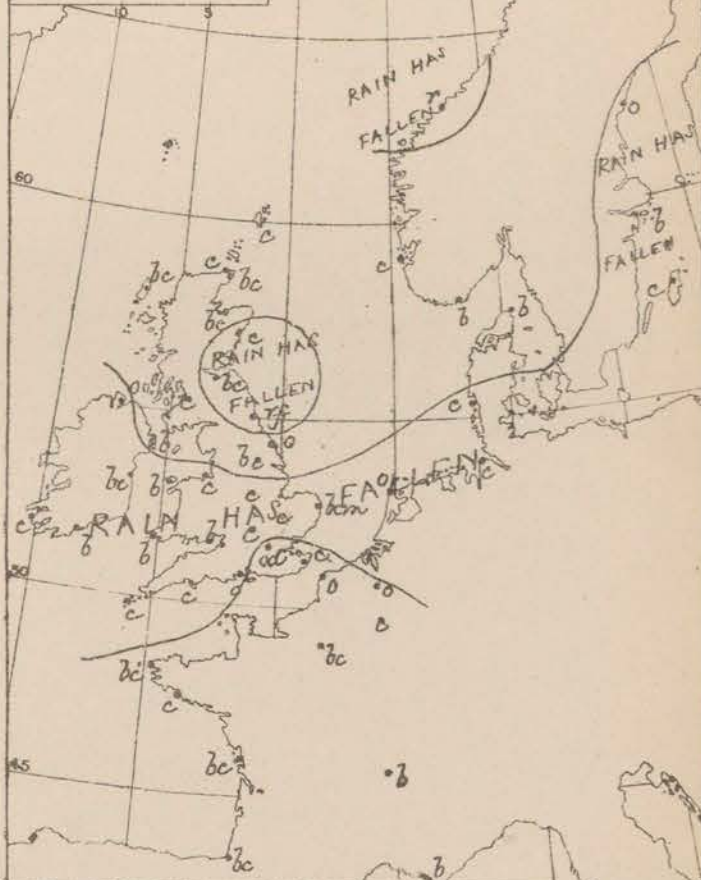
1. Arrows fly with the wind. Force 0 to 10 — 10 — 20 — 30 — 40 — 50 — 60 — 70 — 80 — 90 — 100 — 110 — 120 — 130 — 140 — 150 — 160 — 170 — 180 — 190 — 200 — 210 — 220 — 230 — 240 — 250 — 260 — 270 — 280 — 290 — 300 — 310 — 320 — 330 — 340 — 350 — 360 — 370 — 380 — 390 — 400 — 410 — 420 — 430 — 440 — 450 — 460 — 470 — 480 — 490 — 500 — 510 — 520 — 530 — 540 — 550 — 560 — 570 — 580 — 590 — 600 — 610 — 620 — 630 — 640 — 650 — 660 — 670 — 680 — 690 — 700 — 710 — 720 — 730 — 740 — 750 — 760 — 770 — 780 — 790 — 800 — 810 — 820 — 830 — 840 — 850 — 860 — 870 — 880 — 890 — 900 — 910 — 920 — 930 — 940 — 950 — 960 — 970 — 980 — 990 — 1000 — 1010 — 1020 — 1030 — 1040 — 1050 — 1060 — 1070 — 1080 — 1090 — 1100 — 1110 — 1120 — 1130 — 1140 — 1150 — 1160 — 1170 — 1180 — 1190 — 1200 — 1210 — 1220 — 1230 — 1240 — 1250 — 1260 — 1270 — 1280 — 1290 — 1300 — 1310 — 1320 — 1330 — 1340 — 1350 — 1360 — 1370 — 1380 — 1390 — 1400 — 1410 — 1420 — 1430 — 1440 — 1450 — 1460 — 1470 — 1480 — 1490 — 1500 — 1510 — 1520 — 1530 — 1540 — 1550 — 1560 — 1570 — 1580 — 1590 — 1600 — 1610 — 1620 — 1630 — 1640 — 1650 — 1660 — 1670 — 1680 — 1690 — 1700 — 1710 — 1720 — 1730 — 1740 — 1750 — 1760 — 1770 — 1780 — 1790 — 1800 — 1810 — 1820 — 1830 — 1840 — 1850 — 1860 — 1870 — 1880 — 1890 — 1900 — 1910 — 1920 — 1930 — 1940 — 1950 — 1960 — 1970 — 1980 — 1990 — 2000 — 2010 — 2020 — 2030 — 2040 — 2050 — 2060 — 2070 — 2080 — 2090 — 2100 — 2110 — 2120 — 2130 — 2140 — 2150 — 2160 — 2170 — 2180 — 2190 — 2200 — 2210 — 2220 — 2230 — 2240 — 2250 — 2260 — 2270 — 2280 — 2290 — 2300 — 2310 — 2320 — 2330 — 2340 — 2350 — 2360 — 2370 — 2380 — 2390 — 2400 — 2410 — 2420 — 2430 — 2440 — 2450 — 2460 — 2470 — 2480 — 2490 — 2500 — 2510 — 2520 — 2530 — 2540 — 2550 — 2560 — 2570 — 2580 — 2590 — 2600 — 2610 — 2620 — 2630 — 2640 — 2650 — 2660 — 2670 — 2680 — 2690 — 2700 — 2710 — 2720 — 2730 — 2740 — 2750 — 2760 — 2770 — 2780 — 2790 — 2800 — 2810 — 2820 — 2830 — 2840 — 2850 — 2860 — 2870 — 2880 — 2890 — 2900 — 2910 — 2920 — 2930 — 2940 — 2950 — 2960 — 2970 — 2980 — 2990 — 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4430 — 4440 — 4450 — 4460 — 4470 — 4480 — 4490 — 4500 — 4510 — 4520 — 4530 — 4540 — 4550 — 4560 — 4570 — 4580 — 4590 — 4600 — 4610 — 4620 — 4630 — 4640 — 4650 — 4660 — 4670 — 4680 — 4690 — 4700 — 4710 — 4720 — 4730 — 4740 — 4750 — 4760 — 4770 — 4780 — 4790 — 4800 — 4810 — 4820 — 4830 — 4840 — 4850 — 4860 — 4870 — 4880 — 4890 — 4900 — 4910 — 4920 — 4930 — 4940 — 4950 — 4960 — 4970 — 4980 — 4990 — 5000 — 5010 — 5020 — 5030 — 5040 — 5050 — 5060 — 5070 — 5080 — 5090 — 5100 — 5110 — 5120 — 5130 — 5140 — 5150 — 5160 — 5170 — 5180 — 5190 — 5200 — 5210 — 5220 — 5230 — 5240 — 5250 — 5260 — 5270 — 5280 — 5290 — 5300 — 5310 — 5320 — 5330 — 5340 — 5350 — 5360 — 5370 — 5380 — 5390 — 5400 — 5410 — 5420 — 5430 — 5440 — 5450 — 5460 — 5470 — 5480 — 5490 — 5500 — 5510 — 5520 — 5530 — 5540 — 5550 — 5560 — 5570 — 5580 — 5590 — 5600 — 5610 — 5620 — 5630 — 5640 — 5650 — 5660 — 5670 — 5680 — 5690 — 5700 — 5710 — 5720 — 5730 — 5740 — 5750 — 5760 — 5770 — 5780 — 5790 — 5800 — 5810 — 5820 — 5830 — 5840 — 5850 — 5860 — 5870 — 5880 — 5890 — 5900 — 5910 — 5920 — 5930 — 5940 — 5950 — 5960 — 5970 — 5980 — 5990 — 6000 — 6010 — 6020 — 6030 — 6040 — 6050 — 6060 — 6070 — 6080 — 6090 — 6100 — 6110 — 6120 — 6130 — 6140 — 6150 — 6160 — 6170 — 6180 — 6190 — 6200 — 6210 — 6220 — 6230 — 6240 — 6250 — 6260 — 6270 — 6280 — 6290 — 6300 — 6310 — 6320 — 6330 — 6340 — 6350 — 6360 — 6370 — 6380 — 6390 — 6400 — 6410 — 6420 — 6430 — 6440 — 6450 — 6460 — 6470 — 6480 — 6490 — 6500 — 6510 — 6520 — 6530 — 6540 — 6550 — 6560 — 6570 — 6580 — 6590 — 6600 — 6610 — 6620 — 6630 — 6640 — 6650 — 6660 — 6670 — 6680 — 6690 — 6700 — 6710 — 6720 — 6730 — 6740 — 6750 — 6760 — 6770 — 6780 — 6790 — 6800 — 6810 — 6820 — 6830 — 6840 — 6850 — 6860 — 6870 — 6880 — 6890 — 6900 — 6910 — 6920 — 6930 — 6940 — 6950 — 6960 — 6970 — 6980 — 6990 — 7000 — 7010 — 7020 — 7030 — 7040 — 7050 — 7060 — 7070 — 7080 — 7090 — 7100 — 7110 — 7120 — 7130 — 7140 — 7150 — 7160 — 7170 — 7180 — 7190 — 7200 — 7210 — 7220 — 7230 — 7240 — 7250 — 7260 — 7270 — 7280 — 7290 — 7300 — 7310 — 7320 — 7330 — 7340 — 7350 — 7360 — 7370 — 7380 — 7390 — 7400 — 7410 — 7420 — 7430 — 7440 — 7450 — 7460 — 7470 — 7480 — 7490 — 7500 — 7510 — 7520 — 7530 — 7540 — 7550 — 7560 — 7570 — 7580 — 7590 — 7600 — 7610 — 7620 — 7630 — 7640 — 7650 — 7660 — 7670 — 7680 — 7690 — 7700 — 7710 — 7720 — 7730 — 7740 — 7750 — 7760 — 7770 — 7780 — 7790 — 7800 — 7810 — 7820 — 7830 — 7840 — 7850 — 7860 — 7870 — 7880 — 7890 — 7900 — 7910 — 7920 — 7930 — 7940 — 7950 — 7960 — 7970 — 7980 — 7990 — 8000 — 8010 — 8020 — 8030 — 8040 — 8050 — 8060 — 8070 — 8080 — 8090 — 8100 — 8110 — 8120 — 8130 — 8140 — 8150 — 8160 — 8170 — 8180 — 8190 — 8200 — 8210 — 8220 — 8230 — 8240 — 8250 — 8260 — 8270 — 8280 — 8290 — 8300 — 8310 — 8320 — 8330 — 8340 — 8350 — 8360 — 8370 — 8380 — 8390 — 8400 — 8410 — 8420 — 8430 — 8440 — 8450 — 8460 — 8470 — 8480 — 8490 — 8500 — 8510 — 8520 — 8530 — 8540 — 8550 — 8560 — 8570 — 8580 — 8590 — 8600 — 8610 — 8620 — 8630 — 8640 — 8650 — 8660 — 8670 — 8680 — 8690 — 8700 — 8710 — 8720 — 8730 — 8740 — 8750 — 8760 — 8770 — 8780 — 8790 — 8800 — 8810 — 8820 — 8830 — 8840 — 8850 — 8860 — 8870 — 8880 — 8890 — 8900 — 8910 — 8920 — 8930 — 8940 — 8950 — 8960 — 8970 — 8980 — 8990 — 9000 — 9010 — 9020 — 9030 — 9040 — 9050 — 9060 — 9070 — 9080 — 9090 — 9100 — 9110 — 9120 — 9130 — 9140 — 9150 — 9160 — 9170 — 9180 — 9190 — 9200 — 9210 — 9220 — 9230 — 9240 — 9250 — 9260 — 9270 — 9280 — 9290 — 9300 — 9310 — 9320 — 9330 — 9340 — 9350 — 9360 — 9370 — 9380 — 9390 — 9400 — 9410 — 9420 — 9430 — 9440 — 9450 — 9460 — 9470 — 9480 — 9490 — 9500 — 9510 — 9520 — 9530 — 9540 — 9550 — 9560 — 9570 — 9580 — 9590 — 9600 — 9610 — 9620 — 9630 — 9640 — 9650 — 9660 — 9670 — 9680 — 9690 — 9700 — 9710 — 9720 — 9730 — 9740 — 9750 — 9760 — 9770 — 9780 — 9790 — 9800 — 9810 — 9820 — 9830 — 9840 — 9850 — 9860 — 9870 — 9880 — 9890 — 9900 — 9910 — 9920 — 9930 — 9940 — 9950 — 9960 — 9970 — 9980 — 9990 — 10000

## WIND & SEA.



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

## WEATHER.



**REMARKS.** In the course of the past twenty-four hours the barometer has risen at all but the Swedish and French stations, the change having been greatest in the neighbourhood of the Hebrides, where it amounts to a quarter of an inch. The highest readings lie off the south of Ireland, but the indications are now very slight. Light to moderate W to NW winds consequently prevail in our Island and over the North Sea, while variable N winds are felt in the east of France, and NE in the Bay of Biscay. Temperature has fallen several degrees in many parts of England — notably on our eastern coasts, but has changed little elsewhere. Showers of rain have fallen in many places since yesterday. The sky is, however, much clearer this morning than it was 24 hours ago, except in one or two places. In London it is thickly overcast, and rain is falling. The sea is moderate in the north-west and west, smooth elsewhere.



# DAILY WEATHER REPORT JUNE 28<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force. (0 to 12).		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.50	43	SW	2	f	29.69	+ .17	55	50	+ 5	SW	2	c	*	*	*	0.47	
Hernösand ...	29.75	54	N.N.W.	2	f	29.88	+ .38	53	46	+ 8	N.N.W.	2	bc	*	*	*	-	
Stockholm ...	29.84	55	SW	2	f	29.88	+ .17	60	52	+ 8	Z	0	f	*	*	*	-	
Wisby ...	29.87	54	S	4	f	29.89	+ .08	57	48	- 3	N.N.W.	6	f	*	*	*	-	
Christiansund ...	29.84	45	WSW	6	f	29.91	+ .20	45	43	- 0	WSW	4	f	4	48	39	0.79	
Skudesnaes ...	30.01	52	N.W.	2	f	30.05	+ .14	55	49	+ 2	SSE	2	o	2	51	47	-	
Oxö (Xtiansand) ...	29.90	56	N.W.	4	f	29.98	+ .11	53	45	+ 2	N.W.	2	f	2	57	45	-	
Skagen (The Seaw) ...	29.92	53	N.W.	2	o	29.97	+ .11	53	49	+ 3	N.W.	2	f	1	61	46	-	
Fanö ...	30.00	49	N.W.	2	f	30.04	+ .11	55	57	- 1	N.W.	4	c	*	61	48	-	
Cuxhaven ...	30.03	67	N.W.	3	o	30.15	+ .17	65	60	+ 3	N.W.	3	o	*	61	54	0.01	
Sumburgh Head ...	29.98	50	SW	2	c	30.03	+ .09	53	50	+ 5	W	3	c	2	54	46	-	
Stornoway ...	29.93	52	SSW	1	f	30.04	+ .05	54	52	+ 2	SSW	2	cu	3	59	48	0.37	
Thurso ...	29.97	53	SSE	1	o	30.04	+ .06	56	53	+ 6	W	1	bc	1	59	48	0.04	
Wick ...	29.99	52	S	2	o	30.06	+ .06	56	53	+ 3	N.W.	2	bc	0	61	44	0.03	
Nairn ...	29.99	56	Z	0	f	30.09	+ .09	55	52	+ 4	Z	0	o	0	61	50	0.23	
Aberdeen ...	30.02	54	S	1	o	30.07	+ .08	57	53	+ 3	N.N.W.	1	bc	1	60	57	0.25	
Leith ...	30.06	56	W	4	o	30.18	+ .10	59	55	+ 2	W	3	bc	*	67	53	0.01	
Shields ...	30.09	63	WSW	4	c	30.14	+ .10	60	56	+ 8	N.N.W.	4	bc	1	65	52	0.03	
York ...	30.15	61	W	3	f	30.17	?	62	57	+ 3	N.N.W.	4	f	*	66	52	-	
Scarborough ...	30.11	55	SE	1	o	30.13	+ .09	65	57	+ 10	N.W.	4	bc	3	67	53	-	
Nottingham ...	30.20	61	N.N.W.	3	bc	30.23	+ .09	66	58	+ 5	N.N.W.	5	c	*	70	50	-	
Ardrossan ...	30.11	54	SSW	4	f	30.15	+ .09	58	55	- 1	W	1	o	1	60	54	0.13	
Greencastle ...	30.10	59	W	2	o	30.13	+ .05	58	56	+ 1	S	2	bc	*	62	52	-	
Donaghadee ...	30.15	60	W	4	c	30.18	+ .06	63	58	+ 5	SSW	2	bc	1	66	54	-	
Kingstown ...	30.23	62	N.N.W.	4	c	30.23	+ .04	60	54	+ 5	SSE	3	f	2	63	54	-	
Holyhead ...	30.22	?	SW	3	o	30.22	+ .05	58	56	+ 3	SSW	3	f	2	64	53	-	
Liverpool (Bidston) ...	30.20	57	W	2	c	30.22	+ .07	60	54	+ 6	W	3	f	2	61	53	-	
Valencia ...	30.26	61	W	2	c	30.20	- .04	60	58	+ 1	SSE	5	o	5	64	53	-	
Roche's Point...	30.27	64	WSW	4	f	30.25	+ .01	61	56	+ 6	SW	3	bc	3	68	52	-	
Pembroke ...	30.25	60	N.N.W.	1	f	30.28	+ .08	61	59	+ 5	Z	0	f	0	61	54	-	
Portishead ...	30.19	64	N.N.W.	3	c	30.27	+ .12	62	56	0	N.W.	2	f	2	71	50	-	
Scilly ...	30.22	67	N.W.	4	f	30.28	+ .11	63	56	- 2	Z	0	bc	*	73	53	-	
Plymouth ...	30.16	68	W	2	f	30.28	+ .14	64	62	+ 2	Z	0	f	0	68	57	-	
Hurst Castle ...	30.17	61	WSW	1	c	30.27	+ .14	63	56	0	N.W.	1	f	3	67	53	0.01	
Dover ...	30.18	66	W	2	bc	30.27	+ .14	62	55	+ 2	SSW	6	bc	*	70	47	0.06	
London ...	30.18	66	W	2	bc	30.26	+ .13	62	56	+ 4	SW	1	bc	*	68	45	-	
Oxford ...	30.17	64	N.N.W.	1	o	30.26	+ .14	62	56	+ 2	W	1	bc	*	69	45	-	
Cambridge ...	30.15	62	N.N.W.	2	f	30.21	+ .12	62	56	+ 5	N.N.W.	3	bc	2	63	50	-	
Yarmouth ...	30.17	64	W	2	bc	30.17	+ .13	59	56	- 2	WSW	1	c	*	*	*	0.20	
The Helder ...	30.17	63	SSW	1	m	30.28	+ .14	61	57	+ 2	W	1	m	0	64	53	0.04	
Cape Gris Nez ...	30.30	70	N	3	f	30.03	+ .05	59	57	+ 2	N	1	o	1	?	50	-	
Brest ...	30.07	77	NE	3	bc	30.25	+ .04	72	64	+ 6	E	4	f	3	82	55	-	
L'Orient ...	30.05	75	WSW	3	o	30.11	+ .03	66	64	0	?WSW	3	o	2	75	64	-	
Biarritz ...	30.05	75	WSW	3	o	30.11	+ .03	66	64	0	?WSW	3	o	2	75	64	-	
Corunna ...	*	*	*	*	*	30.24	+ .12	57	*	- 2	N.N.W.	3	c	*	*	*	0.03	
Brussels ...	*	*	*	*	*	30.15	+ .12	59	*	+ 1	?SE	3	f	*	*	*	*	
Charleville ...	*	*	*	*	*	30.25	+ .05	63	*	+ 1	NNE	2	f	*	*	*	0.28	
Paris ...	30.15	53	SSW	4	f	30.27	+ .11	70	*	+ 3	N	2	f	*	*	*	*	
Lyons ...	30.05	75	W	2	bc	30.07	- .02	73	61	+ 3	SE	1	f	2	81	70	-	
Toulon ...	30.05	75	W	2	bc	30.07	- .02	73	61	+ 3	SE	1	f	2	81	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.92	52	45	NW	4	bc	0	Valencia .....	30.26	63	56	WSW	2	c	3
Thurso .....	29.99	57	47	NNW	1	bc	1	Scilly .....							
Scarborough ...	30.12	56	53	NE	1	o	1	London .....	30.17	66	56	W	2	c	*
Greencastle ...	30.11	58	53	W	2	o	*	Roche's Point ...	30.15	61	66	ENE	3	bc	3
Holyhead .....	30.21	62	58	SW	3	bc	2								

*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; un. unusual transparency; w. dew.

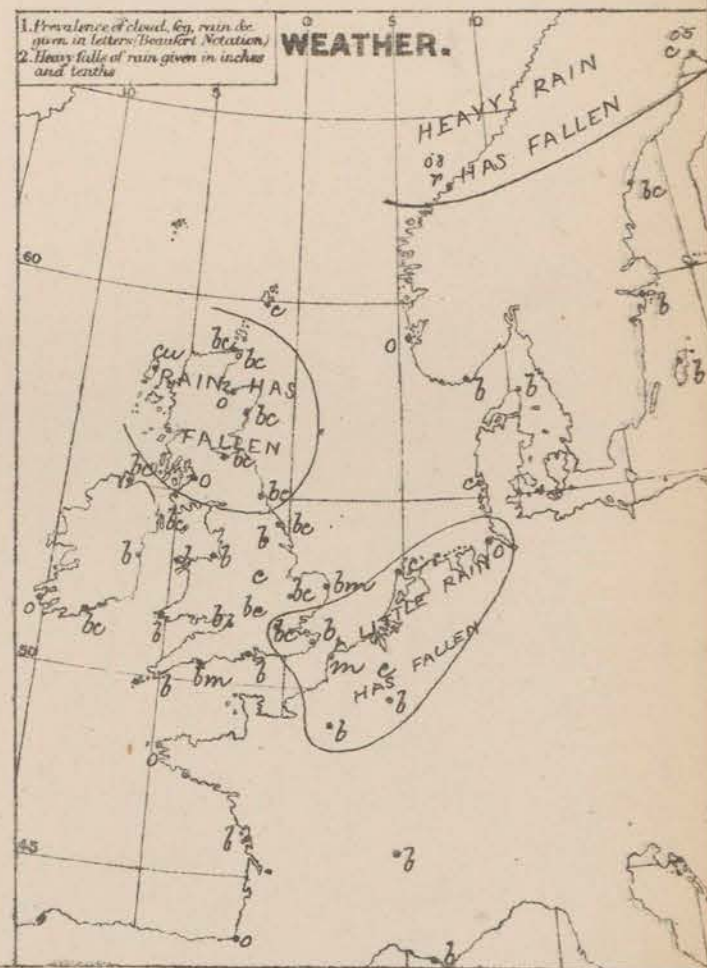
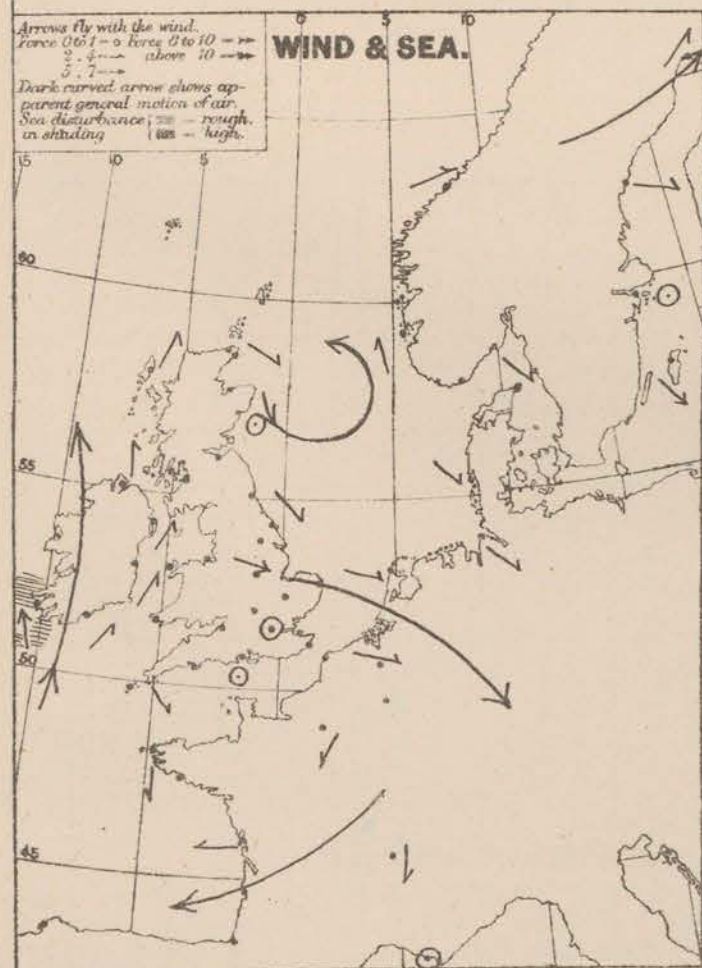
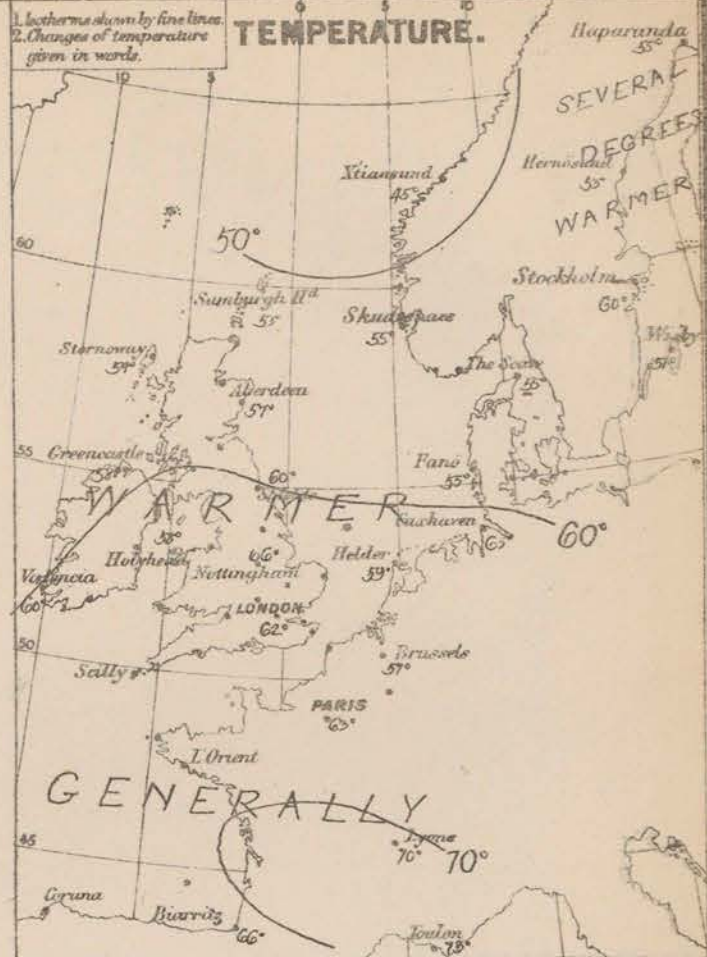
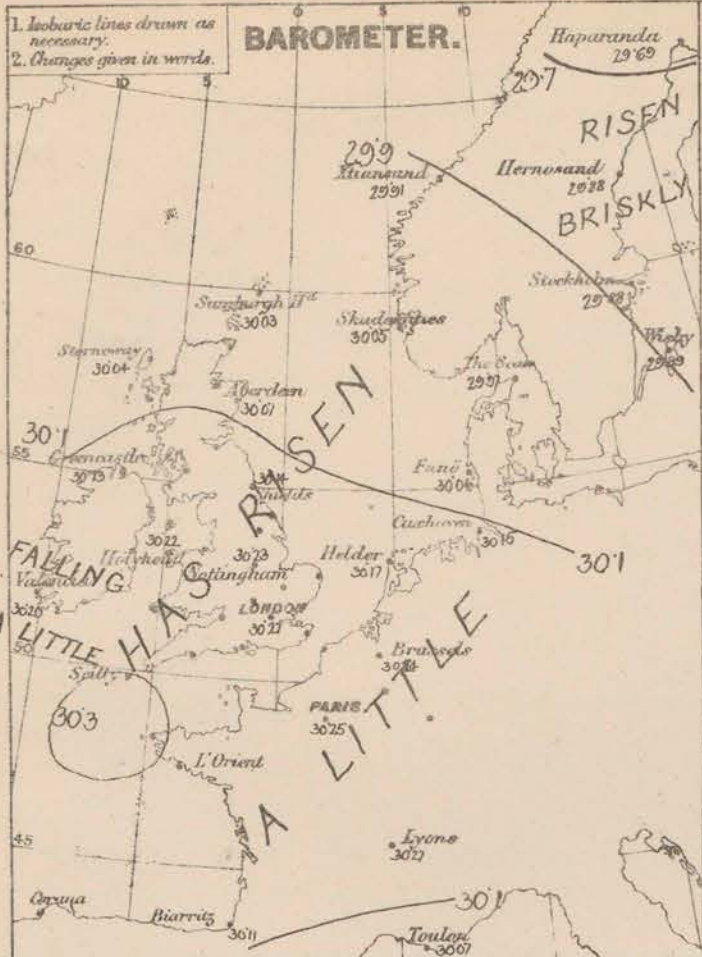
\* AN ASTERISK is inserted in all places for which information is not usually received.

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

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



WEATHER CHARTS *for 8 a.m. on Thursday 28<sup>th</sup> JUNE 1877.*



**REMARKS.** Since yesterday morning the barometer has risen somewhat over nearly the whole of Western Europe, but in the south of Ireland it has begun to fall again during the night. The highest readings are still reported from about the mouth of the Channel, and slight gradients for W. to NW winds prevail over St. Britain, the North Sea and Scandinavia. Light breezes from WNW are consequently again reported from those regions, but at our western stations the wind has backed to the S.W., and is freshening at Valentia. Temperature has risen generally - most in the east. At Plymouth it rose to 73° in the shade yesterday, at Portlaoise to 71° and in London to 70°. In the southern parts it was as high as 82°. Fine weather prevails in almost all places. At Valentia and Hornsby. However, the sky has become very cloudy, with a threatening appearance at the latter station. The sea is rather rough at Valentia, smooth or nearly so elsewhere.

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.**  
Director.



# DAILY WEATHER REPORT

JUNE 29<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...																		
Hernösand ...																		
Stockholm ...																		
Wisby ...																		
Christiansund ...	30.04	47	WSW	3	b	30.01	+ .10	51	47	+ 6	ESE	1	8	2	?	57	-	
Skudesnaes ...	30.02	56	WSW	2	b	30.06	+ .01	53	50	- 2	SE	6	0	3	?	?	-	
Oxö (Xtiansand) ...	29.98	61	WSW	4	b	30.08	+ .10	56	50	+ 3	SW	4	0	3	61	48	-	
Skagen (The Scaw) ...	30.03	54	WSW	3	b	30.09	+ .12	57	52	+ 2	W	2	0	0	66	48	-	
Fanö ...	30.08	53	Z	0	c	30.14	+ .10	62	56	+ 7	WSW	2	0	*	63	45	0.04	
Cuxhaven ...	30.13	53	WSW	2	c	30.22	+ .07	61	58	- 4	ENE	1	0	*	63	54	-	
Samburgh Head ...	30.03	52	SW	3	0	29.77	+ .26	52	51	- 1	SW	4	0	3	58	48	0.11	
Stornoway ...	29.91	53	S	6	+	29.84	- .07	53	52	- 1	WSW	3	0	4	57	?	0.18	
Thurso ...	29.98	53	SSE	2	+	29.80	- .18	59	57	+ 3	SW	21	0	1	60	52	0.22	
Wick ...	29.95	52	SW	4	+	29.82	- .13	58	57	+ 2	SW	1	0	0	59	50	0.32	
Nairn ...	?	?	?	?	?	29.86	- .03	60	58	+ 5	Z	0	0	0	62	54	0.21	
Aberdeen ...	30.06	58	S	1	+	29.88	- .18	59	58	+ 2	SW	1	0	2	62	51	0.77	
Leith ...	30.04	63	W	3	0	29.94	- .10	62	59	+ 3	WSW	4	0	*	72	55	0.09	
Shields ...	30.15	58	SSE	2	0	30.04	- .11	61	58	+ 1	SW	3	0	1	65	54	0.09	
York ...	30.18	66	WSW	2	0	30.13	- .05	62	57	0	SW	2	0	*	74	55	0.10	
Scarborough ...	30.18	57	SE	1	0	30.08	- .10	60	56	- 5	WSW	3	0	2	68	55	0.06	
Nottingham ...	30.19	70	SW	2	0	30.19	- .04	67	58	+ 1	SW	4	0	*	80	57	-	
Ardrossan ...	30.05	58	SSW	0	+	29.97	- .08	57	56	- 1	SSW	4	0	4	61	57	0.59	
Greencastle ...	29.97	60	SW	2	+	29.98	- .01	58	56	0	W	2	0	*	67	56	0.39	
Donaghadee ...	30.07	59	SSW	4	+	30.02	- .05	60	60	- 3	SSW	3	0	2	68	57	0.11	
Kingstown ...	30.15	65	SSW	4	c	30.10	- .05	66	61	+ 6	WSW	4	0	2	71	59	-	
Holyhead ...	30.18	59	SSW	5	c	30.12	- .06	58	57	0	SSW	4	0	3	65	55	-	
Liverpool (Bidston) ...	30.18	65	SW	4	c	30.14	- .04	65	58	+ 5	SW	2	0	1	68	53	-	
Valencia ...	30.14	62	S	6	c	30.12	- .02	61	61	+ 1	SW	4	0	4	65	58	0.09	
Roche's Point ...	30.23	64	SW	4	c	30.16	- .07	60	57	- 1	SW	3	0	3	68	54	-	
Pembroke ...	30.24	63	SW	1	0	30.22	- .02	60	58	- 1	SSW	2	0	2	66	56	-	
Portishead ...	30.22	69	WSW	2	0	30.24	- .02	63	57	+ 1	W	3	0	2	72	53	-	
Scilly ...																		
Plymouth ...	30.27	63	Z	0	b	30.27	- .01	62	58	- 1	Z	0	0	*	69	49	-	
Hurst Castle ...	30.26	65	SW	3	b	30.27	- .01	64	60	0	W	3	0	2	67	59	-	
Dover ...	30.24	63	SW	2	b	30.27	0.00	65	61	+ 2	SW	2	0	1	67	58	-	
London ...	30.21	76	W	1	c	30.26	- .05	66	57	+ 4	W	2	0	*	78	54	-	
Oxford ...	*	*	*	*	*	30.22	- .04	65	56	+ 3	WSW	3	0	*	77	56	-	
Cambridge ...	30.19	75	W	1	c	30.20	- .01	66	60	+ 4	SW	1	0	*	79	55	-	
Yarmouth ...	30.20	64	E	1	b	30.19	- .01	67	60	+ 5	W	2	0	2	72	59	-	
The Helder ...	*	*	*	*	*	30.21	+ .04	60	59	+ 1	S	1	0	*	*	*	0.04	
Cape Gris Nez ...	30.25	63	W	1	b	30.26	- .01	63	59	+ 2	SSW	3	0	2	70	55	-	
Brest ...	30.24	72	N	2	b	30.24	+ .01	64	59	+ 5	ESE	1	0	1	?	54	-	
L'Orient ...	30.26	70	WSW	3	b	30.29	+ .03	66	61	+ 9	ENE	3	0	2	75	55	-	
Rocheport ...	30.14	?	NE	3	b	30.20	+ .06	70	64	- 2	ENE	5	0	3	86	59	-	
Biarritz ...	30.11	75	WSW	3	0	30.15	+ .04	68	?	+ 2	WSW	4	0	3	?	64	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.29	+ .05	61	*	+ 4	WSW	3	0	*	*	*	*	
Charleville ...	*	*	*	*	*	30.23	+ .08	59	*	0	SE	3	0	*	*	*	*	
Paris ...	30.23	71	NNE	4	b	30.32	+ .09	73	*	+ 10	NNE	2	0	*	*	*	-	
Lyons ...	*	*	*	*	*	30.23	- .04	70	*	0	NE	4	0	*	*	*	*	
Toulon ...	30.07	77	Z	0	b	30.08	+ .01	79	64	+ 6	Z	0	0	2	88	73	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.07	55	50	W	2	b	2	Valencia ...	30.17	64	60	S	6	c	6
Thurso .....	30.04	55	53	Z	0	0	1	Scilly .....							
Scarborough ...	30.16	59	56	ESE	1	0	1	London .....	30.24	72	60	W	1	0	*
Greencastle ...	30.06	62	58	SW	2	0	*	Rocheport ...	30.15	84	70	NE	4	b	3
Holyhead .....	30.21	63	58	SSW	5	0	4								

The barometer is rather unsteady, but its changes are slight. The southerly wind has increased to a strong breeze at Valencia, with a rough sea, but the weather there has improved.

## 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.

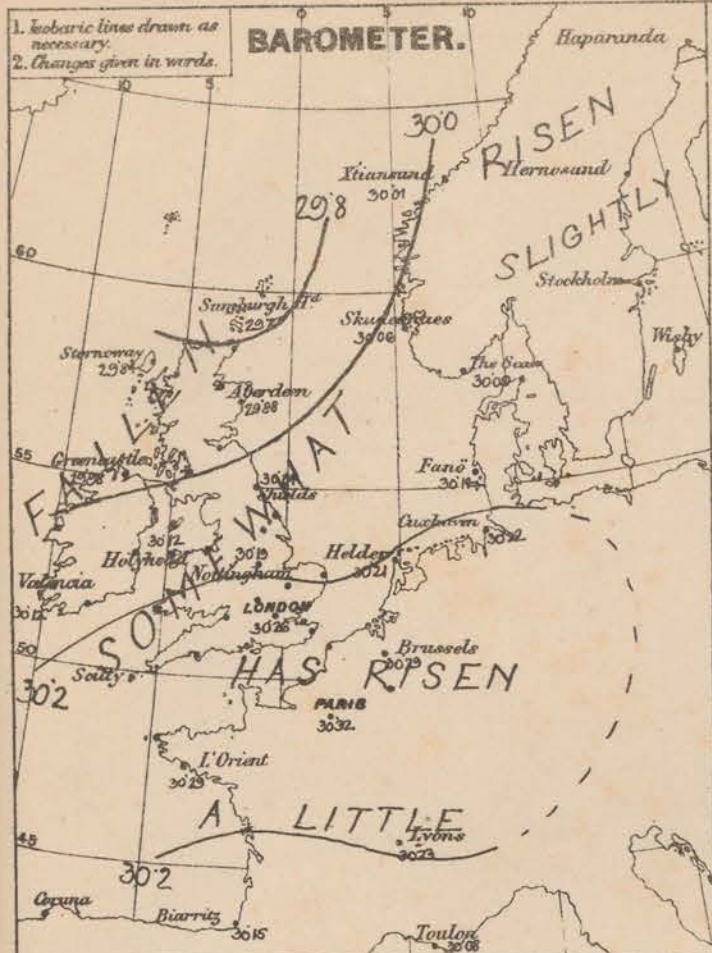
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Friday 29<sup>th</sup> JUNE 1877.

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

## BAROMETER.





# DAILY WEATHER REPORT

JUNE 30<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*	*	*		
Skudesnaes ...																		
Oxö (Ktiansand) ...																		
Skagen (The Scaw) ...	30.10	54	N	4	f	29.95	-.14	57	55	1.0	NW	4	0	3	64	50	0.16	
Fanö ...	30.09	60	NW	4	0	30.04	-.10	57	59	-.3	NW	2	6	*	64	57	0.20	
Cuxhaven ...														*				
Sumburgh Head ...	29.89	54	N	4	f	29.96	+.19	57	49	-.1	SW	5	0	5	56	48	0.34	
Stornoway ...	29.95	59	NW	5	bc	29.90	+.06	53	52	0	NW	6	bc	5	61	50	0.14	
Thurso ...	29.94	60	NW	2	f	29.91	+.11	57	57	-.2	NW	5	0	3	63	47	0.04	
Wick ...	29.96	60	NW	3	bc	29.94	+.12	55	52	-.3	SW	2	0	0	60	47	-	
Nairn ...	29.99	61	N	4	f	29.98	+.12	58	52	-.2	N	5	0	2	65	50	0.02	
Aberdeen ...	29.99	59	Z	0	c	30.01	+.13	59	52	0	SW	1	f	1	65	46	-	
Leith ...	30.03	60	N	3	c	30.10	+.16	58	53	-.4	N	3	bc	*	68	49	-	
Shields ...	30.07	65	NW	1	0	30.16	+.12	59	53	-.2	NW	3	c	1	68	50	0.02	
York ...	30.13	65	N	1	0	30.20	+.07	60	55	-.2	NW	2	f	*	73	53	-	
Scarborough ...	30.10	66	NW	2	0	30.17	+.09	65	58	+.5	N	2	f	2	72	55	0.03	
Nottingham ...	30.17	72	SW	2	c	30.22	+.03	67	60	0	NW	3	bc	*	83	60	-	
Ardrossan ...	30.08	59	NW	3	bc	30.13	+.16	56	53	-.1	SW	4	c	3	61	55	0.02	
Greencastle ...	30.09	61	N	2	c	30.12	+.14	55	53	-.3	N	2	0	*	74	48	-	
Donaghadee ...	30.12	58	SW	2	c	30.17	+.15	58	55	-.2	NW	4	c	3	64	47	0.09	
Kingstown ...	30.15	59	NW	3	m	30.24	+.14	57	53	-.9	NW	4	bc	3	68	54	0.04	
Holyhead ...	30.15	56	SW	4	f	30.24	+.12	55	54	-.3	NW	3	f	3	61	53	0.08	
Liverpool (Bidston) ...	30.14	60	NW	2	f	30.23	+.09	57	55	-.8	NW	2	bc	1	71	53	0.02	
Valencia ...	30.22	61	N	2	bc	30.27	+.15	59	55	-.2	NW	3	c	3	62	48	0.19	
Roche's Point... ..	30.22	60	N	3	0	30.26	+.10	55	57	-.5	Z	0	f	1	64	50	0.45	
Pembroke ...	30.22	61	SW	2	0	30.26	+.04	57	56	-.3	N	1	f	1	65	55	-	
Portishead ...	30.21	68	NW	4	f	30.22	-.02	62	61	-.1	N	3	0	2	74	56	-	
Scilly ...																		
Plymouth ...	30.25	65	Z	0	f	30.25	-.02	62	59	0	Z	0	f	*	71	64	-	
Hurst Castle ...	30.24	66	SW	3	f	30.24	-.03	62	59	-.2	Z	0	bc	0	67	52	-	
Dover ...	30.24	63	NW	3	f	30.24	-.03	65	59	0	N	2	f	1	68	57	-	
London ...	30.20	80	SW	3	f	30.23	-.03	66	59	0	NW	1	f	*	83	53	-	
Oxford ...	*	*	*	*	*	30.21	-.01	66	61	+.1	NW	1	0	*	80	54	-	
Cambridge ...	30.16	78	NW	2	bc	30.22	+.02	66	62	0	NW	1	0	*	82	55	-	
Yarmouth ...	30.16	77	N	1	f	30.21	+.02	62	60	-.5	N	3	c	2	81	59	-	
The Helder ...	*	*	*	*	*	30.15	-.06	65	61	+.5	SW	1	f	*	*	*	-	
Cape Gris Nez ...	30.25	66	SW	2	f	30.25	-.01	64	59	+.1	SW	1	f	0	70	59	-	
Brest ...	30.33	71	N	1	f	30.31	-.03	66	63	+.2	NE	3	0	2	72	52	-	
L'Orient ...	30.25	70	NW	3	f	30.30	+.04	65	63	+.2	E	0	bc	3	81	59	-	
Rochefort ...	30.16	79	ENE	4	f	30.16	-.04	72	64	+.2	E	3	f	3	?	57	-	
Biarritz ...	30.15	75	NW	3	c	30.17	+.02	70	68	+.2	SW	1	bc	2	77	64	-	
Corunna ...	*	*	*	*	*	?	?	71	*	-.4	?	6	f	4	*	*	*	
Brussels ...	*	*	*	*	*	30.24	-.05	66	*	+.5	SW	3	f	*	*	*	-	
Charleville ...	*	*	*	*	*	30.17	-.06	68	*	+.9	SW	3	f	*	*	*	*	
Paris ...	30.25	77	SE	3	f	30.26	-.06	68	*	-.5	NW	1	m	*	*	*	-	
Lyons ...	*	*	*	*	*	30.04	-.19	78	*	+.8	E	2	f	*	*	*	*	
Toulon ...	30.13	79	N	3	f	30.17	+.04	68	63	-.11	E	1	f	2	84	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.95	52	57	SE	6	+	5	Valencia .....	30.19	56	55	NW	1	79	1
Thurso .....	29.90	61	54	NW	4	bc	3	Scilly .....							
Scarborough ...	30.08	72	65	N	2	bc	2	London .....	30.21	77	63	N	2	6	*
Greencastle ...	30.06	61	55	N	2	0	*	Rochefort ...	30.17	88	72	ENE	4	6	3
Holyhead .....	30.15	58	57	SW	5	m	4								

Pressure has risen a little in the West and North, but is unchanged over England. The wind has veered and fallen lighter at Valencia, but rain is still reported there.

## 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.

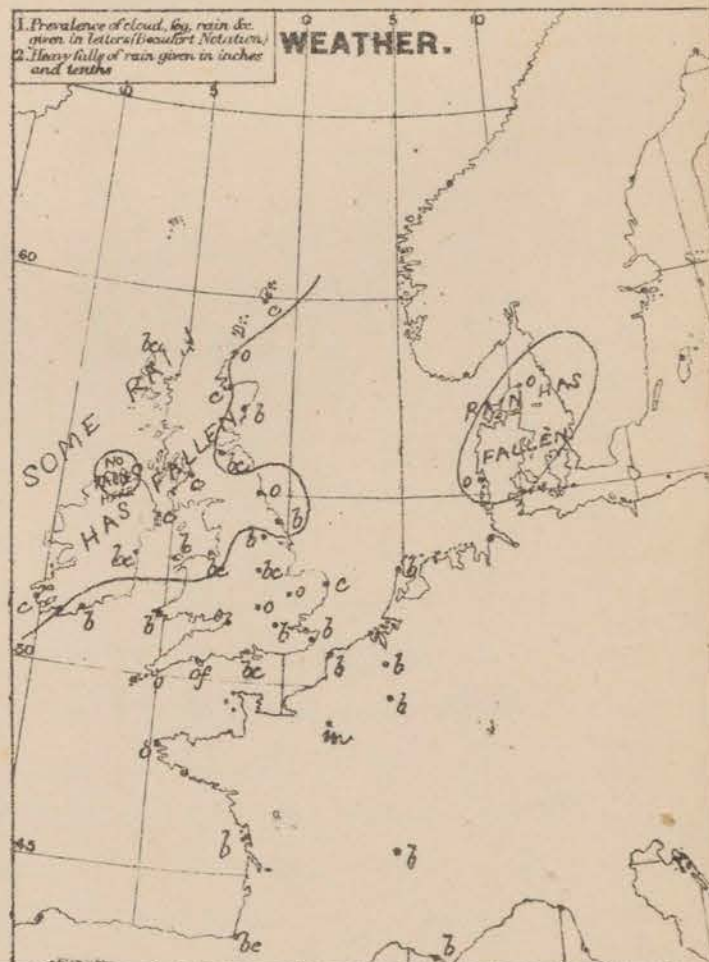
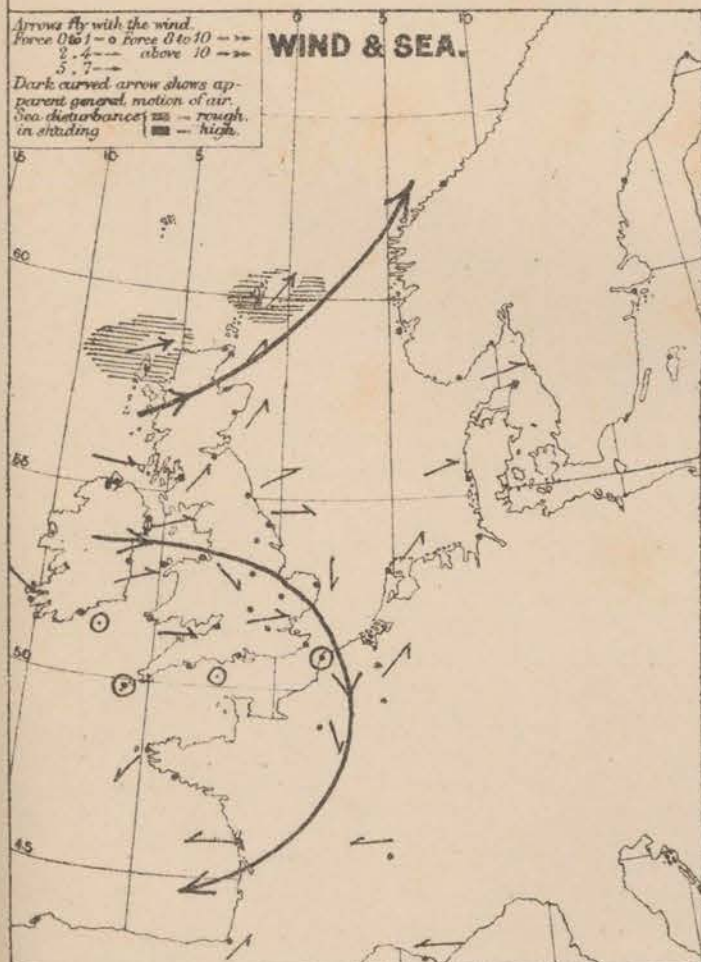
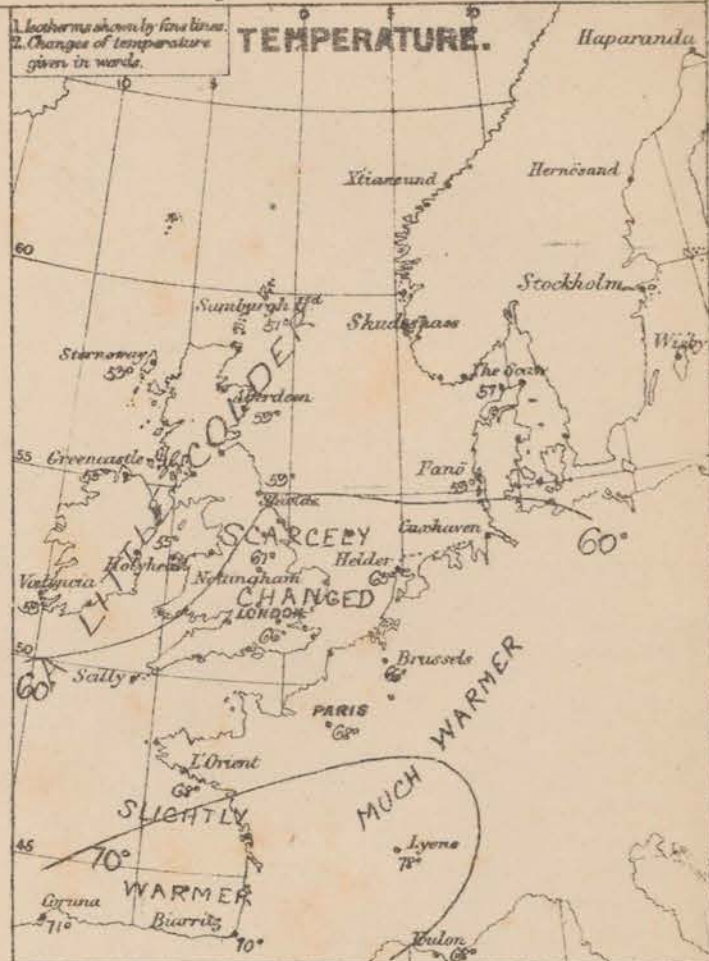
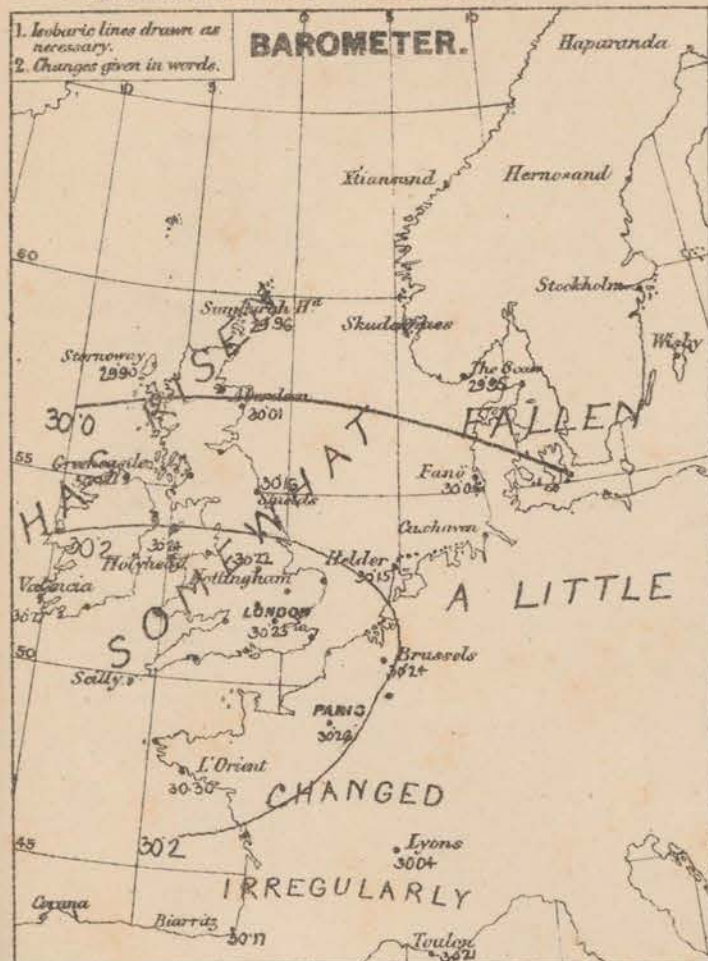
\* AN ASTERISK is inserted in all places for which information is not usually received.

† 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 30<sup>th</sup> JUNE 1877.*



**REMARKS.** In the course of the past twenty-four hours the depression which had advanced towards Rotterdam yesterday has travelled away, the barometer has risen at all the northern and western stations, and the highest pressure has been restored to its original position at the mouth of the English Channel. The mercury is, however, again inclined to fall in the north-west. Moderate to fresh SW breezes are blowing in our north and north-west coasts, and very light W winds in the southern parts of England and Ireland, while in the south of France and Bay of Biscay the wind remains E. Temperature was again very high over England yesterday. It rose to  $83^{\circ}$  in the shade in London and at Nottingham, to  $82^{\circ}$  at Cambridge,  $81^{\circ}$  at Yarmouth, and  $80^{\circ}$  at Oxford, while at Rochefort in the south west of France it reached  $88^{\circ}$ . In the night the weather was cool, the thermometer having fallen to  $53^{\circ}$  in London, giving a range of  $30^{\circ}$  in about 12 hours. This morning the weather is again very warm. A little more rain has fallen in the west and north but the weather is still very fine in the south and east. The sea is rather rough at our extreme northern stations, smooth elsewhere.



# SUMMARY OF WEATHER IN WESTERN EUROPE

from JUNE 24<sup>TH</sup> to JUNE 30<sup>TH</sup> 1877.

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

Pressure, during the whole of this week, has been highest off our SW coasts, and slight shallow depressions have passed from SW to NE, to the N<sup>W</sup> of Scotland. The wind has consequently remained steadily W<sup>S</sup> on our coasts, and over the North Sea, and NE<sup>S</sup> to E<sup>S</sup> in France, and as the influence of the different depressions has been very little felt over the United Kingdom it has been generally moderate or light in force. Temperature was not very high during the early part of the week, but it increased towards the close, and exceeded 80° in the shade over central England on Friday. The weather has been fine generally, but on some days it was rather unsettled, particularly in the N. and W.

JUNE 24<sup>TH</sup> The depression, whose course was traced at the close of last week to the S. of Norway, had since passed on NE<sup>S</sup>, and had its centre over the Gulf of Bothnia. In consequence while the barometer had fallen somewhat at the N. Swedish stations, a recovery was in progress in all parts of W. Europe. The highest readings lay off our SW coasts, and very light W<sup>S</sup> to NW<sup>S</sup> breezes prevailed at all our stations, while in Norway and Sweden W<sup>S</sup> to SW<sup>S</sup> gales were reported. Temperature had fallen somewhat on the Continent, but in these Islands it had risen. It was very uniform generally. Heavy rain had fallen in the countries to the E<sup>S</sup> of the North Sea, and in different parts of the United Kingdom slight showers had been experienced. At Glasgow the sky was clear, or nearly so except in Scotland. By the evening a slight decrease of pressure had commenced in Scotland, but otherwise very little change had occurred.

JUNE 25<sup>TH</sup> The depression in the N. of Sweden had disappeared, and the barometer had risen generally, readings varying from 30.3 in. at the mouth of the Channel, to 29.6 in. in the N. of Sweden. The winds were light - generally from W. over the United Kingdom and North Sea, and from N. and NE. over France. Temperature had risen somewhat at the more S. stations, but elsewhere it was very little changed, and readings were about the average for the time of year. Some rain had fallen in the N. and NW, and a slight thunderstorm had occurred at Yarmouth, but at Glasgow the sky was clear except in the extreme N. During the day pressure gave way slightly in all parts of W. Europe, but its general distribution was unchanged. In London temperature rose to 73°, and in Paris to 67° at midday.

JUNE 26<sup>TH</sup> The barometer had fallen somewhat at all but the French stations, and a large shallow depression lay off the W. Norwegian coasts, while the region of highest pressure was still found at the mouth of the Channel. In consequence, the W. breezes over these Islands, and the North Sea had increased, in force at all stations, but in France very light N<sup>S</sup> to NE<sup>S</sup> airs still prevailed. Temperature had risen at most of the more S. stations, but fallen in the N. The sky had become cloudy over nearly the whole of these Islands, but in France it still remained clear. Later in the day pressure increased in the N, while it remained almost steady in the S. so that gradients decreased, the winds fell lighter, and the weather improved considerably in Scotland.



JUNE 27<sup>th</sup> The disturbance which lay off the Norwegian coast on the previous day, had passed on E<sup>ly</sup>, and caused a decrease of pressure at the Swedish stations, while in France also the mercury had fallen. In all other places, however, the barometer had risen, and readings had become very uniform over these Islands. Light breezes prevailed on all coasts, from W to WNW over these Islands and the North Sea, and from NE over the Bay of Biscay. Temperature had fallen several degrees in the E. of England, but had changed little and irregularly elsewhere. The sky was clear or nearly so except in the E. and SE. Slight oscillations occurred in pressure during the day, but in the S. the weather was fine, though the thermometer in London only reached 70° all day.

JUNE 28<sup>th</sup> Pressure was comparatively high and uniform over the whole of W<sup>est</sup> Europe, and the barometer was rising in all parts except the S. of Ireland. In that district the mercury had begun to fall during the night, and the wind had backed to the SSE, and increased to a fresh breeze. Elsewhere the winds were light, and very similar in direction to those of the previous day. Temperature had risen everywhere, and the weather was fine generally. By the evening the depression which had caused the fall of the barometer at Valentia had reached the W. coast of Scotland, where pressure was going very briskly, while rain was falling at all the Scotch stations. In the S. the weather remained fine, and temperature rose to about 80° at our central stations.

JUNE 29<sup>th</sup> The depression lay at dawn to the N<sup>orth</sup> of Scotland, and the barometer was still falling over the greater part of these Islands, as well as on the E<sup>ast</sup> shores of the North Sea, though over France and on our S<sup>outh</sup> coast the mercury still rose. The wind was still NE over the Bay of Biscay, but elsewhere it had backed, and moderate to fresh W<sup>est</sup> breezes were general. Temperature was high, and was still rising in most places, particularly in France, where the thermometer stood at about 70° at dawn. At some of our NW<sup>est</sup> and N<sup>orth</sup> stations rain was falling, the amount measured at Aberdeen being more than three quarters of an inch, but over England and France the weather was very fine. During the day no important change occurred, but temperature rose very quickly, reaching 83° in London, and Nottingham, and over 80° at Oxford, Cambridge and Exmouth.

JUNE 30<sup>th</sup> The disturbance from the N. of Scotland had travelled away NE. and the barometer had risen at all our more N<sup>orth</sup> stations, but in the S. and over France a slight decrease had occurred. Readings were uniform, especially over England and the Channel, and the wind was light, except in the extreme N. of Scotland. It still drew from W. over the British Isles, through N. and the N. of France, into E. over the Bay of Biscay. Temperature had fallen slightly generally, but in the E. of France a rather brisk rise was reported. The weather was fine, but rather cloudy in the N. of Scotland. In the evening pressure was going way generally - west in the SE, and the weather had become very dull in London.



## CORRECTIONS AND ADDITIONS TO THE REPORTS FOR JUNE 1877

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

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2).	SHADE TEMP.		Amount of Rainfall.	
				Dirco.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
1st	Sunderland Hd.	29.66	49	W	1	c	29.61	+1.5	48	46	+1	N	4	c	5	54	41	0.02	
"	Silly	29.34	54	ESE	20	c	29.31	+1.4	53	52	+1	N	10	c	5	57	50	0.02	
"	Lorient	29.85	57	S	20	c	29.78	+1.5	54	52	+2	N	10	c	5	57	50	0.02	
"	Corunna	*	*	*	*	*	30.13	+1.5	60	58	+2	N	10	c	5	57	50	0.02	
"	Silly 2pm	*	*	*	*	*	29.72	-	57	53	-	WSE	9	c	5	57	50	0.02	
2nd	Sunderland Hd.	29.29	48	E	4	c	29.11	-5.0	47	47	-1	SW	9	c	5	50	45	0.35	
"	Silly	29.14	55	SW	6	c	29.11	+4.4	55	54	+1	SW	9	c	5	57	50	0.02	
"	Lorient	30.04	55	W	6	c	30.14	+3.6	55	54	+1	SW	9	c	5	57	50	0.02	
"	Corunna	*	*	*	*	*	30.16	+0.3	66	66	+6	Z	0	c	5	57	50	0.02	
"	Silly 2pm	*	*	*	*	*	29.82	-	59	56	-	SE	1	c	5	57	50	0.02	
3rd	Sunderland Hd.	29.33	48	SW	4	c	29.48	+3.7	51	48	+4	S	5	c	5	53	39	0.03	
"	Silly	29.83	55	SSW	6	c	29.66	-1.1	56	54	+1	SSW	5	c	5	59	52	0.01	
4th	Sunderland Hd.	29.55	49	SE	5	c	29.53	+0.5	51	48	+0	S	3	c	5	52	38	0.24	
"	Silly	29.62	56	S	6	c	29.65	-0.1	55	55	-	ESE	3	c	5	59	51	0.06	
"	Corunna	*	*	*	*	*	29.71	-1.5	63	63	-1	SW	12	c	5	59	51	0.06	
"	Silly 2pm	*	*	*	*	*	29.54	-	58	56	-	ESE	6	c	5	57	51	0.06	
5th	Sunderland Hd.	29.72	51	S	1	c	29.47	-0.6	49	48	-2	NE	5	c	5	54	45	0.17	
"	Silly	29.51	54	S	10	c	29.47	+2.6	56	53	+1	SSW	5	c	5	60	51	0.02	
"	Lorient	29.48	54	SW	5	m	30.05	+3.4	55	54	-2	W	4	c	5	68	52	0.02	
"	Lorient	29.88	55	W	4	c	29.11	+4.0	57	54	-2	W	4	c	5	68	52	0.02	
"	Silly 2pm	*	*	*	*	*	30.01	-	60	56	-	SSW	6	c	5	57	51	0.02	
6th	Hoponunda	29.94	46	Z	0	c	29.88	+0.7	46	45	+1	S	2	c	5	57	51	0.02	
"	Hoponunda	29.91	50	ESE	2	b	29.87	+0.1	58	52	-8	SSW	4	c	5	57	51	0.02	
"	Stockholm	30.00	64	Z	0	b	30.00	0.0	66	66	0	Z	0	c	5	57	51	0.02	
"	Wick	30.05	66	SE	4	b	30.00	-0.4	70	62	+8	SE	4	c	5	57	51	0.02	
"	Sunderland Hd.	29.54	51	SW	8	c	29.71	+2.4	52	49	+3	SE	9	c	5	54	35	0.02	
"	Silly	29.92	55	SSW	6	c	29.86	-0.5	55	54	-1	SSW	6	c	5	60	52	0.05	
"	Corunna	*	*	*	*	*	30.21	+2.0	60	58	-2	N	3	c	5	57	51	0.02	
"	Silly 2pm	*	*	*	*	*	29.91	-	55	51	-4	WNW	6	c	5	57	51	0.02	
7th	Sunderland Hd.	29.67	49	SE	5	c	29.49	-2.2	47	46	-5	W	4	c	5	54	34	0.34	
"	Silly	30.01	55	W	6	c	30.19	+3.3	57	54	+2	SSW	4	c	5	57	50	0.01	
"	Corunna	*	*	*	*	*	30.18	-0.3	63	63	+3	W	2	c	5	57	50	0.01	
"	Silly 2pm	*	*	*	*	*	30.24	-	59	55	-4	SW	2	c	5	57	50	0.01	
8th	Sunderland Hd.	29.53	48	SSW	4	c	29.70	+2.1	50	47	+3	SSW	6	c	5	54	37	0.12	
"	Silly	30.21	56	SSW	4	c	30.07	-1.2	58	54	+1	S	4	c	5	60	52	0.01	
"	Corunna	*	*	*	*	*	30.10	-0.8	65	65	+2	S	5	c	5	57	50	0.01	
"	Silly 2pm	*	*	*	*	*	30.01	-	60	56	-4	S	5	c	5	54	34	0.10	
9th	Sunderland Hd.	29.77	52	SW	6	c	29.60	-1.6	50	49	-1	S	2	c	5	54	34	0.10	
"	Silly	29.98	55	SSW	5	c	30.11	+0.4	57	55	-2	SW	4	c	5	60	53	0.01	
"	Silly 2pm	*	*	*	*	*	30.13	-	59	57	-2	S	4	c	5	57	50	0.01	
10th	Sunderland Hd.	29.71	54	SW	6	c	29.75	+1.5	52	50	+2	SW	2	c	5	56	45	0.01	
"	Silly	30.12	57	S	4	c	30.10	-0.1	58	57	+1	SW	5	c	5	62	53	0.01	
"	Sunderland Hd.	29.70	51	SSW	3	c	29.74	-0.1	51	48	-3	SW	4	c	5	56	46	0.01	
"	Silly	30.11	58	SSW	4	c	30.11	+0.1	55	55	-3	ENE	1	c	5	60	53	0.01	
"	Corunna	*	*	*	*	*	29.94	-2.2	66	66	-6	SW	1	c	5	57	50	0.01	
"	Silly 2pm	*	*	*	*	*	30.19	-	60	58	-2	NNW	2	c	5	57	50	0.01	
12th	Sunderland Hd.	29.85	50	NNW	6	c	29.98	+2.2	48	46	-2	NN	2	c	5	53	42	0.02	
"	Silly	30.02	56	NE	4	c	29.85	-2.6	56	55	+1	NE	6	c	5	63	54	0.02	
"	Lorient	29.91	66	ENE	2	c	29.89	-1.6	59	59	-2	WN	3	c	5	75	55	0.02	
"	Corunna	*	*	*	*	*	29.90	-0.4	66	66	0	SW	3	c	5	57	50	0.02	
"	Silly 2pm	*	*	*	*	*	29.90	-	59	57	-2	ENE	4	c	5	57	50	0.02	
13th	Sunderland Hd.	29.99	51	NNW	3	c	30.05	+0.7	51	48	+3	NNW	1	c	5	53	42	0.01	
"	Silly	29.91	57	NNE	4	c	29.94	+0.9	57	56	+1	NNE	4	c	5	49	53	0.01	
"	Lorient	29.93	64	SW	2	b	29.97	+0.8	61	61	+2	ENE	2	c	5	73	54	0.01	
"	Corunna	*	*	*	*	*	29.96	+0.6	64	64	-2	NE	9	c	5	57	50	0.01	
"	Silly 2pm	*	*	*	*	*	29.95	-	64	61	-3	E	3	c	5	57	50	0.01	
14th	Sunderland Hd.	30.09	52	S	3	c	30.17	+1.2	51	50	0	S	2	c	5	53	42	0.01	
"	Silly	29.96	59	E	4	c	29.98	+0.4	58	56	+1	E	6	c	5	59	53	0.01	
"	Silly 2pm	*	*	*	*	*	30.00	-	60	57	-3	E	5	c	5	57	50	0.01	
15th	Sunderland Hd.	30.21	49	SE	2	m	30.27	+1.0	48	47	-1	ENE	2	c	5	57	50	0.01	
"	Silly	30.00	60	E	5	c	30.02	+0.4	59	54	+1	ESE	7	c	5	57	50	0.01	
"	Corunna	*	*	*	*	*	29.97	+1.3	67	67	0	SW	3	c	5	57	50	0.01	
"	Silly 2pm	*	*	*	*	*	30.02	-	62	58	-4	E	7	c	5	57	50	0.01	
16th	Sunderland Hd.	30.29	51	ENE	2	m	30.28	+0.1	55	52	+3	SE	2	c	5	55	45	0.01	
"	Silly	30.01	60	E	7	c	30.01	-0.1	59	57	-2	E	7	c	5	62	54	0.01	
"	Lorient	29.95	79	ESE	3	b	29.99	-0.2	68	64	+2	E	3	c	5	82	61	0.01	
"	Corunna	*	*	*	*	*	30.00	+0.3	69	69	0	W	3	c	5	57	50	0.01	
"	Silly 2pm	*	*	*	*	*	29.98	-	62	58	-4	E	6	c	5	57	50	0.01	
17th	Sunderland Hd.	30.27	54	SE	3	c	30.22	-0.6	50	49	-1	SE	2	c	5	58	46	0.01	
"	Silly	29.98	61	ESE	4	c	29.96	-0.5	58	57	-1	ESE	5	c	5	62	56	0.01	
18th	Sunderland Hd.	30.21	51	Z	0	m	30.29	+0.7	52	50	+2	NE	4						



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

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. shade.	WIND.		Weather.	BAROMETER.		SEALED TEMP.		WIND.		Weather.	Sea. (0 to 2.)	SEALED TEMP.		Amount of Rainfall.		
				Dir.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	1. of force from 8 A.M. yesterday.	Dir.			Force (0 to 12).	Max.		Min.	
23 <sup>d</sup>	Scilly	29.71	58	WNW	6	c	29.90	+26	57	51	-1	WNW	5	0	4	63	56	0.03	
"	Scilly	29.84	61	WNW	5	h	29.98	+19	59	57	-3	WNW	3	0	4	61	55	0.04	
"	Scilly 2pm						30.02		58	57		WNW	5	0	4				
24 <sup>th</sup>	Scilly	30.04	59	WNW	3	h	30.17	+27	59	55	+2	Z	0	5	60	54			
25 <sup>th</sup>	Scilly	30.25	59	WNW	3	h	30.26	+0.9	59	55	0	WNW	1	0	61	54			
"	Scilly 2pm						30.25		61	57		W	3	0					
26 <sup>th</sup>	Scilly	30.25	60	W	4	bc	30.21	-0.5	59	57	0	WSW	4	0	62	56			
"	Corunna	*	*	*	*	*	30.07	0.0	68	*	-2	NE	6	4	*	*			
"	Scilly 2pm						30.21		63	60		W	4	0					
27 <sup>th</sup>	Scilly	30.20	61	WSW	5	c	30.20	-0.1	60	58	+1	WNW	2	0	65	57			
"	Scilly 2pm						30.26		63	57		ENE	3	0					
28 <sup>th</sup>	Scilly	30.26	60	NE	3	c	30.28	+0.3	63	55	+3	ENE	2	0	63	54			
"	Corunna	30.21	70	NW	2	0	30.26	+0.3	57	55	+2	ENE	3	0	72	52			
"	Scilly 2pm						30.27	+0.3	72	*	+2	NE	1	0	*	*			
"	Scilly 2pm						30.28		66	58		W	2	0					
29 <sup>th</sup>	Haparanda	29.79	48	S	2	0	29.85	+16	55	49	0	Z	0	0	*	*			
"	Haparanda	29.90	55	WNW	2	h	30.02	+14	53	49	0	WNW	2	0	*	*			
"	Stockholm	29.93	54	ENE	2	0	30.03	+15	60	53	0	Z	0	0	*	*			
"	Wibby	29.93	52	W	4	h	29.98	+0.9	58	52	+4	ENE	4	0	*	*			
"	Scilly	30.24	64	Z	0	bc	30.24	-0.1	64	60	+1	WSW	4	0	67	56			
"	Corunna	*	*	*	*	*	30.14	+0.7	75	*	+2	NE	3	0	*	*			
"	Scilly 2pm						30.24		67	62		WSW	3	0	*	*			
30 <sup>th</sup>	Haparanda	29.91	51	Z	0	bc	29.95	+10	57	48	+2	WSW	0	0	*	*			
"	Haparanda	29.98	50	S	2	0	29.82	-20	54	53	+1	SSW	2	0	*	*			
"	Stockholm	30.04	57	W	4	h	29.97	-0.6	56	54	-4	SW	4	0	*	*			
"	Wibby	30.08	55	W	2	h	30.06	+0.8	60	58	+2	SW	4	0	*	*			
"	Christiansund	29.79	53	SE	1	bc	29.84	+17	56	52	+5	Z	0	0	3	57	45	0.15	
"	Skudesnäs	29.95	53	W	2	h	29.99	-0.7	58	53	+2	SSE	2	0	2	57	52		
"	Oss	29.04	54	S	4	h	29.95	-13	55	52	-1	WSW	4	0	2	57	52		
"	Christiansund	30.13	?	WNW	2	c	30.23	+0.8	61	58	-4	ENE	1	0	2	57	54		
"	Scilly	30.26	64	WSW	2	bc	30.26	-0.1	60	60	-4	WNW	1	0	4	68	59		
"	Scilly 2pm						30.24		62	60		WNW	3	0	4				
CORRECTIONS																			
23 <sup>d</sup>	Greencastle															61			
"	Kingstown		55																
"	Holyhead																		
24 <sup>th</sup>	Scarlborough	29.68	59	SW	3	0	29.74	+0.4	58	54	-5	S	4	0	3	62	51	0.01	
"	Stornoway																		
"	Scarlborough	29.57	67	SSE	4	h	29.70	-0.4	63	58	+5	SW	1	0	2	75	55		
"	Kingstown									50									
"	Dover																	0.05	
"	Thurso															67			
"	Leith															69			
"	Shields																		
"	Scarlborough							-0.3			-5						255		
25 <sup>th</sup>	Androsau																	0.30	
"	Talence						30.04											3.06	
"	Plymouth			W														0.89	
"	Talence								53	51	-1								
26 <sup>th</sup>	Portishead																		
"	London		70																
"	Birmingham																		
"	Leith															70			
"	Donaghadee																	0.01	
27 <sup>th</sup>	Dover	30.03																	
"	Oss						30.10												
28 <sup>th</sup>	Portishead											ENE							
"	Cambridge	30.16																	
"	Thurso 2pm						30.22		69	57									
"	Holyhead 2pm											WNW							
"	Scarlborough															59			
29 <sup>th</sup>	Kingstown		64																
30 <sup>th</sup>	Greencastle															60			
"	Cambridge															45			
"	Nick																	1.19	
"	Talence																	0.01	
"	Donaghadee																	0.05	
"	Holyhead											NNW			2	56	50		
"	Swanburgh Hd.																		
"	Stornoway								44	48									
"	Nick								47	44									
"	York						30.09	+18											
"	Alford																		
"	Stornoway																		