



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

Wm. Phillips, Lith. London

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY—31ST DECEMBER,

1877.

DAILY WEATHER REPORT OCT^r 1st 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 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.92	29	NW	4	6	29.83	+ .08	31	30	-	1	Z	0	0	*	*	*	-
Hernösand ...	30.21	36	NW	2	6	30.10	- .03	42	38	+	4	NW	4	0	*	*	*	-
Stockholm ...	30.24	41	N	2	6	30.24	+ .05	39	37	-	1	SSW	2	6	*	*	*	-
Wisby ...	30.29	40	SW	4	6	30.28	+ .09	42	41	-	2	NNW	4	0	*	*	*	-
Christiansund ...	30.26	43	SW	1	6	30.21	- .09	45	42	+	3	SW	3	0	4	?	32	0.39
Skudesnaes ...	30.27	44	ESE	2	6	30.20	- .12	49	45	+	4	E	4	0	2	50	?	-
Oxö (Xtiansand) ...	30.29	48	NNE	1	6	30.24	- .06	46	45	+	1	NNW	4	0	2	54	43	-
Skagen (The Saaw) ...	30.31	49	SW	3	6	30.26	- .04	50	45	0	SW	3	0	2	55	45	-	
Fanö ...	30.26	50	SE	4	6	30.20	- .08	50	48	+	8	SE	5	0	*	57	41	-
Cuxhaven ...	30.22	3	E	1	6	30.19	- .07	52	50	+	1	ESE	3	0	*	54	48	-
Sumburgh Head ...	30.27	49	SE	3	6	30.18	- .14	48	46	+	1	SSE	2	0	2	53	45	0.01
Stornoway ...	30.19	52	SE	1	0	30.14	- .10	52	51	+	2	SW	1	0	3	55	45	0.64
Thurso ...	30.20	50	SSE	2	0	30.16	- .11	45	45	+	2	Z	0	0	1	58	40	-
Wick ...	30.24	51	S	2	0	30.18	- .11	51	50	-	1	Z	0	0	0	56	39	-
Nairn ...	30.20	50	Z	0	0	30.18	- .08	49	46	+	4	Z	0	0	0	61	45	-
Aberdeen ...	30.23	50	SSE	1	6	30.18	- .11	47	46	-	4	Z	0	0	0	55	45	-
Leith ...	30.25	47	N	1	0	30.22	- .04	44	44	-	8	N	1	0	*	56	42	-
Shields ...	30.25	51	?	1	0	30.23	- .05	46	45	-	6	NNW	2	0	0	53	46	-
Scarborough ...	30.23	52	E	1	0	30.22	- .06	51	50	-	1	N	1	0	*	54	50	-
York ...	30.23	54	E	1	0	30.22	- .05	50	49	-	2	N	1	0	*	61	47	-
Nottingham ...	30.21	56	SE	2	0	30.23	- .03	52	50	+	2	N	1	0	0	64	49	-
Ardrossan ...	30.21	54	NE	2	0	30.21	- .03	44	43	-	7	NNE	1	0	0	59	43	-
Greencastle ...	30.15	55	E	1	0	30.18	+ .03	50	49	-	3	NE	1	0	0	62	44	-
Donaghadee ...	30.18	53	ESE	2	6	30.21	00	53	53	-	1	E	1	0	0	57	49	-
Kingstown ...	30.17	56	SE	3	0	30.21		53	51			Z	0	0	0	58	51	-
Holyhead ...	30.16	57	NNW	1	0	30.20	+ .02	53	52	-	2	SSW	1	0	0	61	50	-
Liverpool (Bidston) ...	30.15	56	SE	1	6	30.21	- .02	51	50	+	1	SE	2	0	1	59	49	-
Valencia ...	30.09	59	SSE	3	6	30.20	+ .12	53	51	-	2	Z	0	0	1	64	47	-
Roche's Point...	30.14	57	ESE	3	0	30.20	+ .10	52	51	-	3	ESE	2	0	3	60	52	-
Pembroke ...	30.14	57	ESE	2	6	30.20	+ .07	52	52	-	2	E	1	0	1	58	50	-
Portishead ...	30.15	57	ENE	2	0	30.20	+ .01	47	46	-	1	ENE	1	0	1	64	44	-
Scilly ...																		
Plymouth ...	30.12	56	ENE	2	0	30.18	+ .07	53	50	-	4	ENE	2	0	*	62	52	0.11
Hurst Castle ...	30.12	60	NE	2	6	30.17	- .02	50	49	-	5	ENE	2	0	2	60	45	-
Dover ...	30.14	56	ENE	4	6	30.15	- .03	53	52	-	4	NNE	2	0	1	59	52	-
London ...	30.17	57	E	2	6	30.19	- .02	42	42	-	6	Z	0	0	0	66	36	-
Oxford ...	*	*	*	*	*	30.20	- .02	43	42	-	2	Z	0	0	*	61	40	0.01
Cambridge ...	30.18	55	E	1	0	30.21	- .02	47	46	-	2	NNW	1	0	*	64	42	-
Yarmouth ...	30.18	56	ENE	2	0	30.18	- .04	54	52	-	1	ENE	3	0	2	57	52	-
The Helder ...	*	*	*	*	*	30.13	- .12	54	52	+	1	NE	1	0	*	*	*	-
Cape Gris Nez ...	30.13	55	NE	2	6	30.17	+ .02	54	52	+	2	E	1	0	0	59	46	-
Jersey ...	30.12	59	ENE	2	6	30.15	+ .03	58	57	+	2	NE	1	0	1	66	53	-
Brest ...	30.14	68	SW	1	0	30.18	+ .08	57	55	0	ESE	1	0	2	70	34	-	
L'Orient ...	30.09	63	SW	1	6	30.17	+ .09	55	54	0	E	1	0	1	70	30	-	
Rocheport ...	30.06	64	NNW	3	6	30.09	+ .00	52	50	-	3	ENE	2	0	3	75	45	-
Biarritz ...	30.01	68	NNW	3	0	30.05	+ .03	63	61	+	4	WSW	3	0	3	72	57	-
Corunna ...	*	*	*	*	*			*							*	*	*	*
Brussels ...	*	*	*	*	*	30.14	- .05	44	*	+	2	NE	3	0	*	*	*	-
Charleville ...	*	*	*	*	*	30.09	- .07	43	*	+	2	WSW	1	0	*	*	*	*
Paris ...	30.08	60	N	2	6	30.12	- .02	48	*	+	3	NNW	2	0	*	*	*	-
Lyons ...	*	*	*	*	*	30.11	- .09	52	*	0	SE	?	?	*	*	*	*	*
Toulon ...	30.11	61	SE	2	6	30.05	- .11	59	52	+	4	NE	4	0	3	68	55	-

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.28	50	44	ENE	2	6					
Thurso											
Scarborough ...											
Greencastle ...											
Holyhead											
Valencia											
Scilly											
London											
Rocheport ...	30.04	70	61	SE	2	6					

EXPLANATION OF COLUMNS.

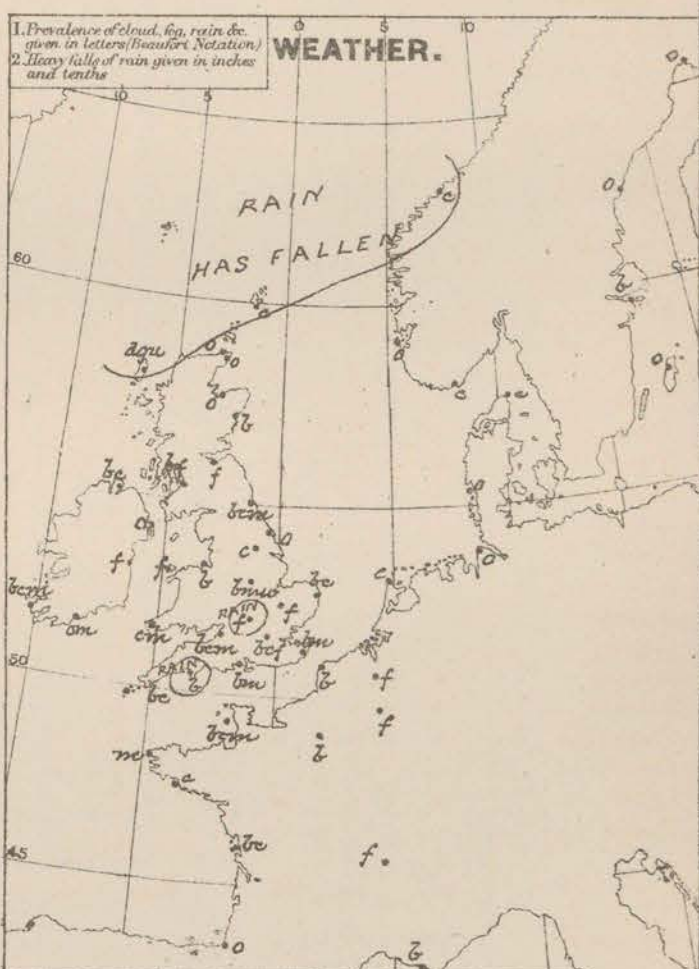
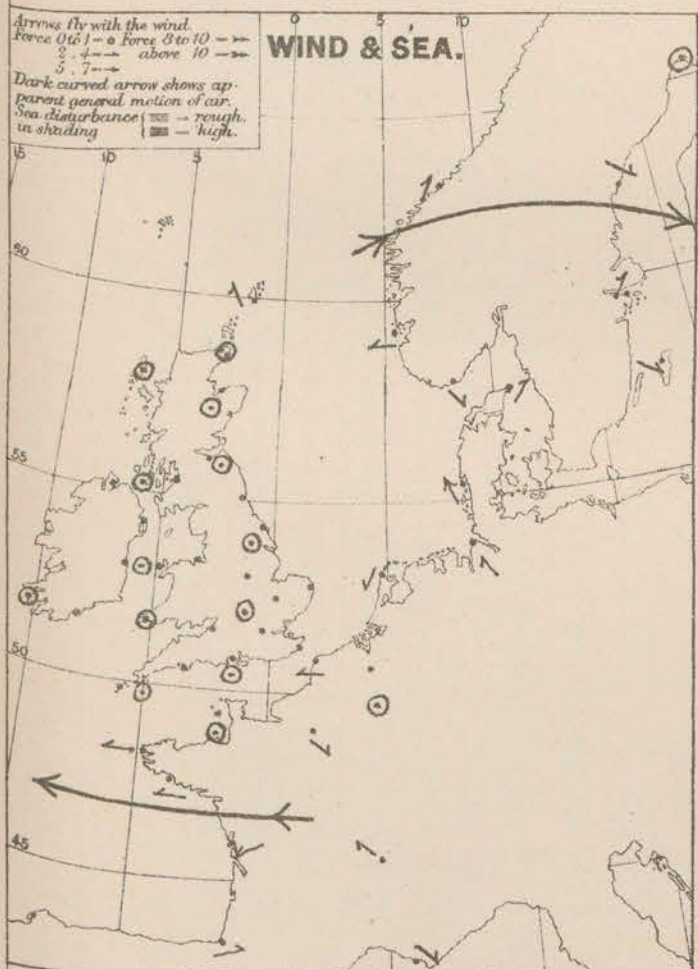
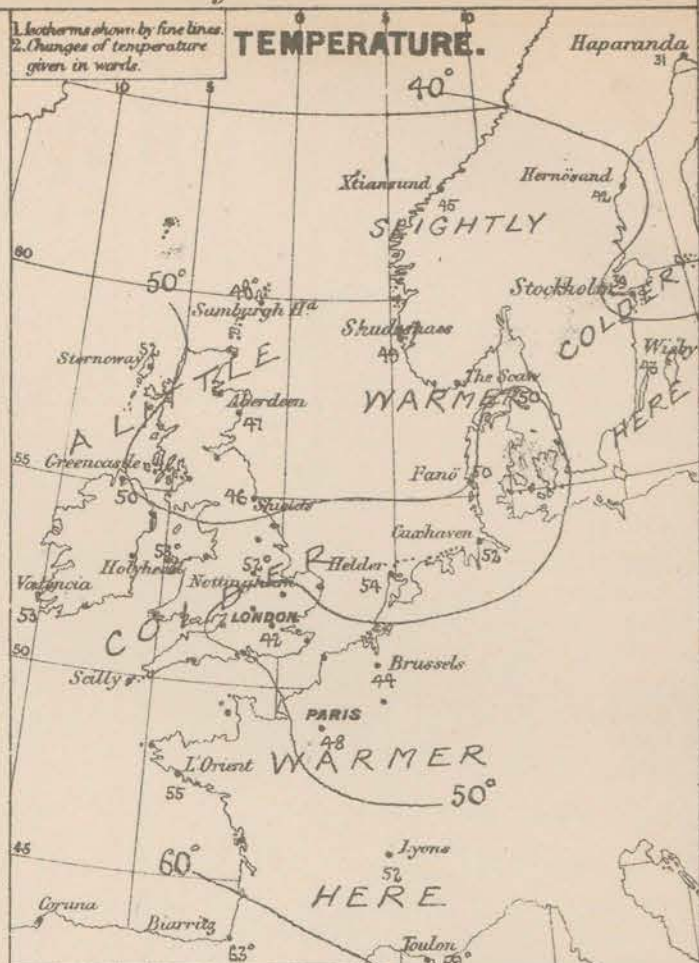
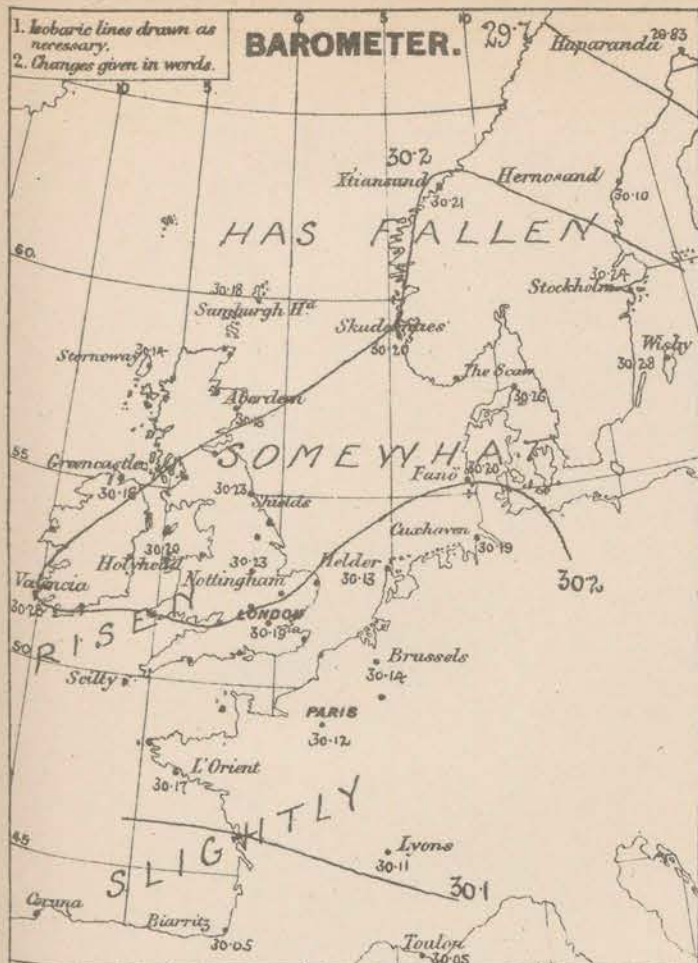
WEATHER.—Beaufort scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Monday Oct. 1st 1877.



REMARKS. Weather is moderately clear at all except the N^e stations, though over the greater part of England and Ireland much fog and mist prevail. At Stornoway a drizzling rain is now falling, but the weather generally has been very dry. Temperature has fallen at nearly all our own, and risen at most of the Continental stations, the changes are, however, slight except in the south of Scotland; it is still very low over Central England, and last night the thermometer fell to 36° in the shade, and 29° in the grass in London. Winds is very light and variable, though its general direction is E^{by} over France and the Channel, and W^{by} in Sweden. In Denmark the wind is locally fresh from SE. The sea is smooth.

Barometrical Indications.
 Barometer is rising slowly over France, and the S. and W. of England, but is falling in most other places; it is exceedingly uniform over W^e Europe.

DAILY WEATHER REPORT OCT^r 2nd 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 ...	29.81	33	N	2	0	29.80	-.03	32	32	+ 1	NN	2	c	*	*	*	-	
Hernösand ...	30.02	43	NNN	2	0	29.91	-.19	44	41	+ 2	NNN	2	bc	*	*	*	-	
Stockholm ...	30.08	44	SSN	2	0	30.00	-.08	43	41	+ 2	Z	0	bc	*	*	*	-	
Wisby ...	30.22	46	SN	4	0	30.08	-.14	46	45	+ 1	N	4	bc	*	*	*	-	
Christiansund ...	30.08	45	SN	2	0	30.00	-.08	46	43	+ 3	SSN	2	c	4	48	43	-	
Skudesnaes ...	30.08	?	NE	2	0	30.02	-.06	?	48	?	NE	1	0	1	?	48	-	
Oxö (Xtiansand) ...	30.12	50	NN	2	0	30.01	-.11	48	47	+ 1	NNN	2	0	2	55	46	-	
Skagen (The Seaw) ...	30.13	?	SSN	4	c	30.02	-.11	48	45	- 2	SSN	3	c	1	57	45	-	
Fanö ...	30.07	50	SE	4	0	29.97	-.10	49	48	- 1	E	2	0	*	55	46	-	
Cuxhaven ...	30.07	?	E	2	0	29.95	-.12	51	50	- 1	SSE	1	0	*	55	50	-	
Sumburgh Head ...																		
Stornoway ...	30.11	52	NN	1	0	30.01	-.10	52	51	+ 1	SSN	1	0	3	57	44	-	
Thurso ...	30.10	52	Z	0	0	30.02	-.08	42	42	- 0	SSN	2	bm	1	58	39	-	
Wick ...	30.11	53	Z	0	0	30.03	-.08	42	41	+ 1	Z	0	f	0	56	39	-	
Nairn ...																		
Aberdeen ...	30.13	51	Z	0	0	30.05	-.08	41	40	+ 1	SN	1	bm	0	58	39	-	
Leith ...	30.15	53	N	1	0	30.06	-.09	43	43	- 0	N	1	f	*	63	37	-	
Shields ...	30.17	49	E	2	0	30.09	-.12	43	40	+ 3	N	1	bc	1	54	40	-	
Scarborough ...	30.17	50	N	1	0	30.08	-.10	48	46	+ 2	NNN	1	0	1	53	44	-	
York ...	30.19	51	E	1	0	30.11	-.02	57	57	- 0	NNN	1	0	*	59	35	-	
Nottingham ...	30.19	53	N	1	0	30.13	-.06	56	56	- 0	Z	0	fw	*	62	34	-	
Ardrossan ...	30.17	53	SE	1	0	30.07	-.10	46	45	+ 1	ESE	1	bc	0	61	44	-	
Greencastle ...	30.14	55	NNN	1	0	30.00	-.14	52	53	+ 1	NE	1	0	*	65	48	-	
Donaghadee ...	30.20	53	SSE	2	0	30.06	-.14	49	49	- 0	SSN	2	m	1	57	44	-	
Kingstown ...	30.20	56	SE	1	0	30.08	-.12	57	50	+ 7	S	3	cf	2	58	46	0.01	
Holyhead ...	30.17	55	Z	0	0	30.08	-.09	52	52	- 0	SSN	2	bc	1	60	49	0.01	
Liverpool (Bidston) ...	30.17	55	ESE	1	0	30.09	-.08	45	45	- 0	ESE	1	f	1	59	44	-	
Valencia ...	30.17	57	S	1	0	29.90	-.27	57	54	+ 3	SE	5	0	5	68	50	-	
Roche's Point ...	30.21	58	SE	3	0	30.01	-.20	56	54	+ 2	SSE	4	0	4	63	51	-	
Pembroke ...	30.19	58	Z	0	0	30.08	-.10	49	49	- 0	E	1	bc	1	60	48	0.01	
Portishead ...	30.17	56	N	1	0	30.10	-.07	45	45	- 0	Z	0	f	1	66	40	-	
Scilly ...																		
Plymouth ...	30.17	57	NE	1	0	30.09	-.09	48	47	+ 1	ENE	1	0	*	62	43	-	
Hurst Castle ...	30.16	57	ENE	2	0	30.08	-.09	48	47	+ 1	ENE	2	bm	2	60	42	-	
Dover ...	30.15	58	NNE	3	0	30.09	-.06	49	47	+ 2	NN	3	bc	1	57	48	-	
London ...	30.18	56	NE	1	0	30.11	-.07	45	45	- 0	Z	0	f	*	60	40	-	
Oxford ...	*	*	*	*	*	30.11	-.09	38	37	+ 1	Z	0	f	*	59	35	-	
Cambridge ...	30.18	52	N	1	0	30.10	-.08	44	44	- 0	N	1	f	*	61	41	-	
Yarmouth ...	30.15	53	NNN	2	0	30.08	-.10	48	47	+ 1	NN	2	bm	3	57	45	-	
The Helder ...	*	*	*	*	*	30.00	-.13	52	50	+ 2	NNN	1	0	*	*	*	0.04	
Cape Gris Nez ...	30.15	54	NE	3	0	30.08	-.07	54	52	+ 2	N	3	0	3	61	52	0.04	
Jersey ...	30.14	57	NE	1	0	30.11	-.04	55	54	+ 1	NE	1	bm	1	61	49	-	
Brest ...	30.17	?	NE	3	m	30.10	-.07	52	52	- 0	SE	3	0	2	66	50	-	
L'Orient ...	30.13	61	SN	3	0	30.07	-.06	52	50	+ 2	E	3	m	2	73	48	-	
Rochefort ...	30.07	64	NN	4	0	30.04	-.03	54	52	+ 2	E	3	0	3	73	46	-	
Biarritz ...																		
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.02	-.12	50	*	+ 6	NN	6	0	*	*	*	0.01	
Charleville ...	*	*	*	*	*	29.97	-.15	49	*	+ 6	NN	3	0	*	*	*	*	
Paris ...	30.09	59	NE	3	0	30.08	-.01	49	47	+ 2	NN	3	c	*	*	*	-	
Lyons ...	*	*	*	*	*	30.04	-.07	58	*	+ 6	N	2	0	*	*	*	*	
Toulon ...	29.99	61	E	4	0	29.90	-.09	57	54	+ 3	Z	0	0	4	68	57	-	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	30.10	53	57	SE	4	0	3	Valencia ...	30.19	63	58	N	2	bm	2
Thurso	30.13	57	53	NW	1	0	1	Scilly							
Scarborough ...	30.19	52	52	NE	1	bc	2	London	30.17	59	53	NNE	1	0	*
Greencastle ...	30.17	62	57	SW	1	0	*	Rochefort ...	30.07	72	64	NE	2	bc	3
Holyhead	30.19	59	57	SW	1	0	0								

Weather continues fine, temperature has risen briskly since the morning, but there is no other important change.

EXPLANATION OF COLUMNS.

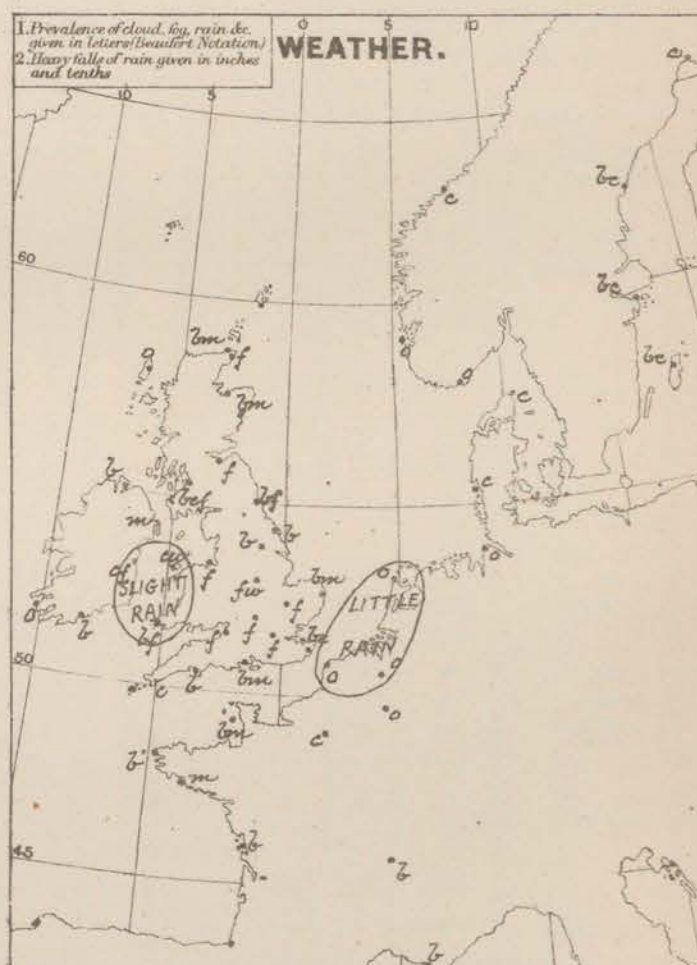
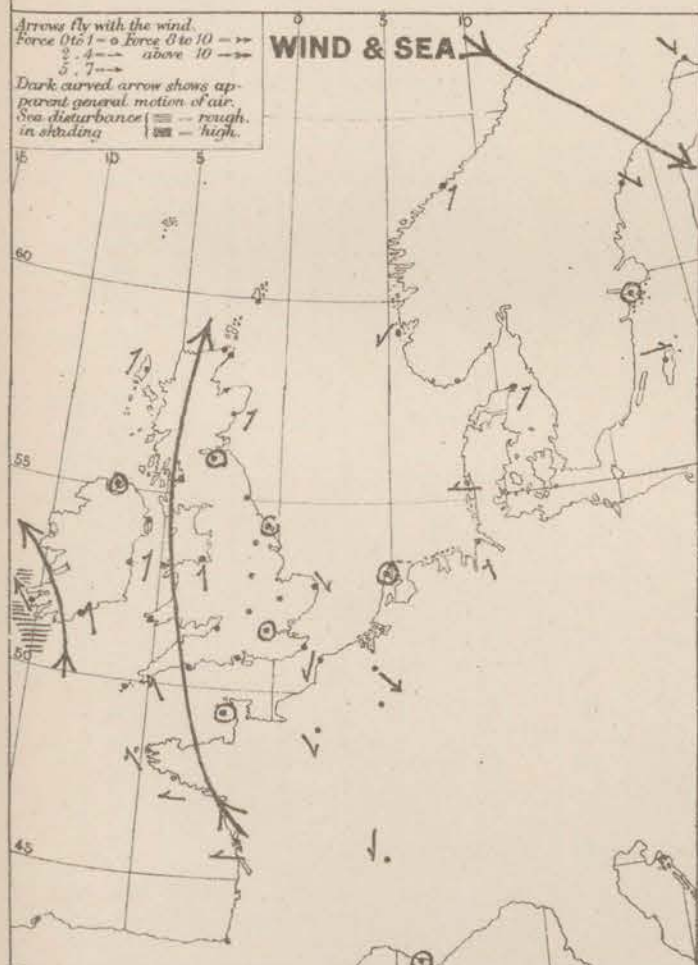
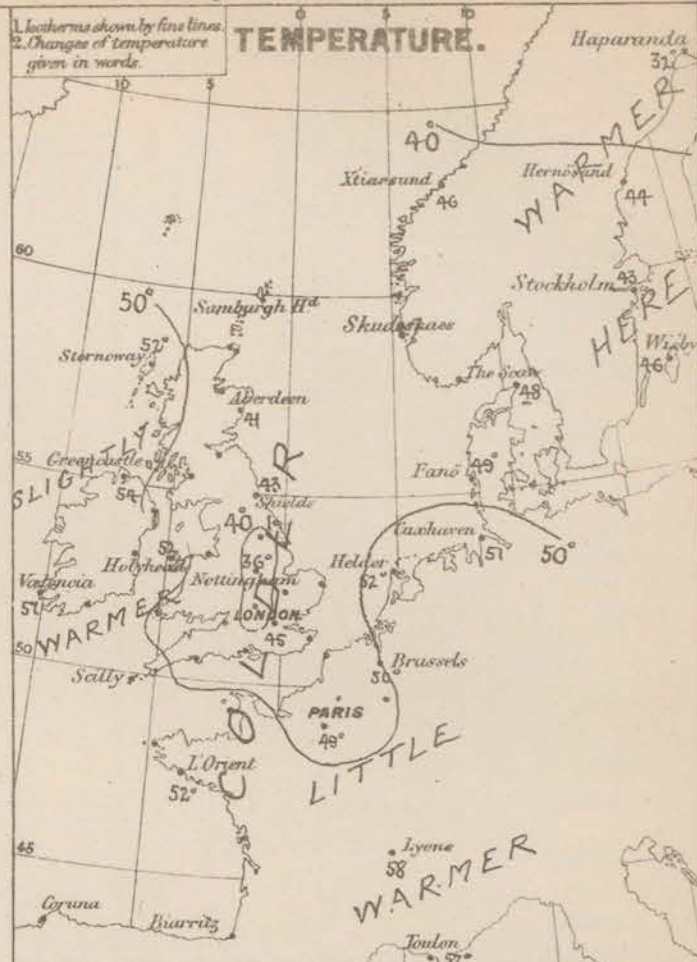
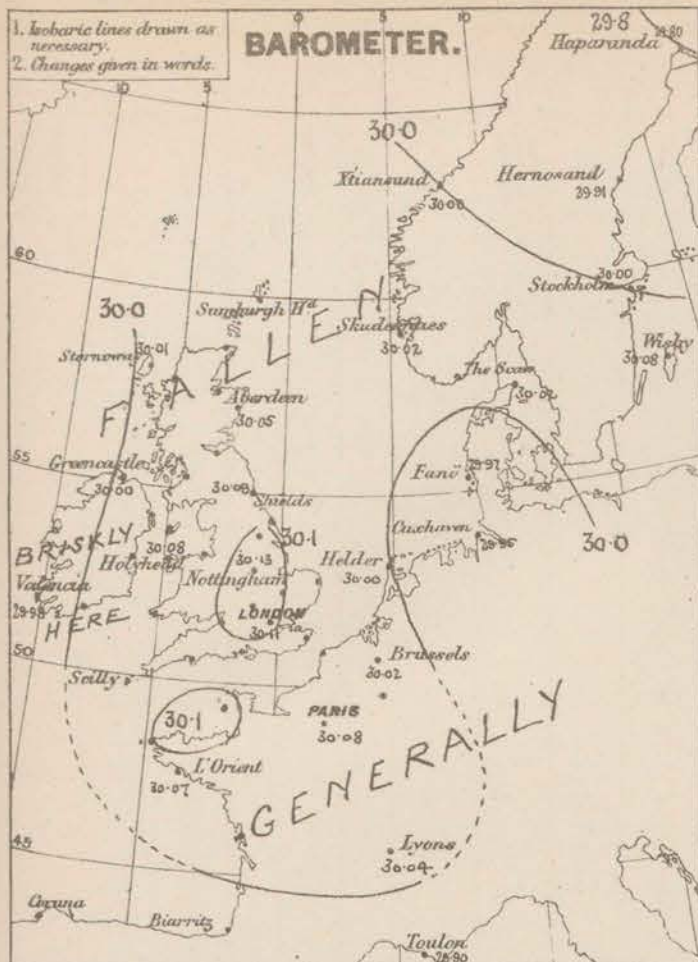
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

WEATHER CHARTS for 8 a.m. on Tuesday Oct. 2nd 1877.



REMARKS. Weather has become overcast at Valentia, Slauway, and on the E. shores of the North Sea, and in the Netherlands, but elsewhere the sky appears to be clear of clouds, though a great deal of fog and mist prevail. Rain has fallen in very slight showers in Wales, at the Helder, Cape Fin Rey and Brussels, but in all other parts of our area the weather has been dry. Temperature has risen in Ireland and the E. of France, but has fallen in nearly all other places, over Central England the change is as much as 16°, and the thermometer is now as low as 36° at Nottingham, while during the night it fell to 32°. There, to 35° at Oxford and York, and to 40° in London. There is now 21° difference between Valentia and Central England. Wind continues light and variable over Great Britain, but has shifted to the S.W. in Ireland, and increased to a fresh breeze at Valentia; over France it is light from E. Sea is rough off the SW. of Ireland, smooth on our other coasts.

Barometrical Indications.

Pressure is falling in all parts of our area. Slightly in the SW. of Ireland, it is, however, still very uniform at a little above 30 in.; over these Islands and France.

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

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

R. H. SCOTT.

Secretary.

DAILY WEATHER REPORT OCT 3rd 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 Rain.	
			Blew.	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.	Dires.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.04	27	N	2	δ	30.14	+ .34	24	22	- 8	Z	0	δ	*	*	*	-	
Hernösand ...	30.08	40	Z	0	e	30.14	+ .23	42	41	- 2	S	2	2	*	*	*	-	
Stockholm ...	30.00	42	NNE	2	δ	30.10	+ .10	40	39	- 3	NNE	2	δ	*	*	*	-	
Wisby ...	30.00	41	ENE	4	δ	30.04	- .04	43	41	- 3	E	4	δ	*	*	*	-	
Christiansund ...	30.01	42	Z	0	δ	30.02	+ .02	42	41	- 4	ESE	2	m	2	50	36	-	
Skudesnaes ...	29.99	48	NNE	2	δ	30.08	+ .06	50	48	- ?	SSE	2	0	3	52	48	-	
Oxö (Xtiansand) ...	29.99	48	NNE	4	δ	30.09	+ .08	43	41	- 5	NNE	4	δ	2	52	41	-	
Skagen (The Scaev) ...	30.00	48	SE	3	δ	30.08	+ .06	48	45	- 0	ESE	3	δe	2	52	43	-	
Fanö ...	29.97	45	NNE	2	δ	30.01	+ .04	43	41	- 6	NE	3	δ	*	54	36	-	
Cuxhaven ...	29.93	?	ENE	3	e	29.97	+ .02	50	49	- 1	NE	4	e	*	52	46	-	
Sumburgh Head ...	29.96	52	S	1	0	29.94	- .02	50	49	-	SSE	4	e	3	55	47	-	
Stornoway ...	29.89	52	SSE	1	δe	29.83	- .18	54	51	+ 2	SSW	4	ow	4	55	47	-	
Thurso ...	29.92	49	SSE	2	δe	29.89	- .13	49	48	+ 7	SSE	2	δem	2	63	41	-	
Wick ...	29.93	52	S	1	δ	29.91	- .12	51	50	+ 9	S	3	δe	2	53	40	-	
Nairn ...	29.96	48	E	1	e	29.91	- .12	42	40	-	Z	3	e	1	58	40	-	
Aberdeen ...	29.97	51	S	1	δ	29.97	- .08	51	50	+ 10	S	2	ow	1	55	41	-	
Leith ...	29.95	49	NNW	1	e	29.98	- .08	44	44	+ 1	E	1	f	*	59	39	-	
Shields ...	29.99	51	ESE	1	δ	30.03	- .06	44	44	+ 1	Z	0	f	0	58	43	-	
Scarborough ...	30.00	52	SE	1	f	30.03	- .05	50	49	+ 2	SSE	1	0	1	55	46	-	
York ...	30.01	50	SSE	1	δ	30.03	- .08	46	46	+ 9	ESE	1	f	*	62	36	0.01	
Nottingham ...	30.00	53	SSE	1	δ	?	?	34	34	- 2	Z	0	f	*	63	32	-	
Ardrossan ...	29.90	53	Z	0	δe	29.95	- .12	46	45	- 0	NE	1	δef	0	60	43	-	
Greencastle ...	29.88	57	S	2	δ	29.90	- .10	53	52	- 1	S	2	0	*	63	51	-	
Donaghadee ...	29.93	52	SSW	1	δ	29.95	- .11	53	53	+ 4	SE	3	0	2	58	49	-	
Kingstown ...	29.93	?	SSE	4	e	29.94	- .14	53	51	+ 2	SE	1	δewf	2	58	49	-	
Holyhead ...	29.96	56	SSW	1	δ	29.97	- .11	48	47	- 4	SSW	1	f	0	61	47	-	
Liverpool (Bidston) ...	29.97	54	NNW	1	δe	29.99	- .10	45	44	- 0	SE	2	f	1	61	44	-	
Valencia ...	29.78	58	SE	5	e	29.83	- .10	58	56	+ 1	?NNE	4	e	4	60	56	0.05	
Roche's Point...	29.88	59	SSE	5	e	29.86	- .15	57	55	+ 1	SSE	5	δe	4	63	55	-	
Pembroke ...	29.94	56	ESE	2	δ	29.93	- .15	56	54	+ 7	ESE	3	δ	3	58	54	-	
Portishead ...	29.99	51	Z	0	e	30.00	- .10	42	42	- 3	NNE	3	δfw	1	63	39	-	
Scilly ...	29.96	54	E	2	δ	29.96	- .13	50	49	+ 2	E	2	δ	*	62	47	-	
Plymouth ...	29.98	57	SSE	1	δ	30.04	- .04	47	46	- 1	NE	1	f	1	60	40	-	
Hurst Castle ...	30.00	53	NNE	2	δ	29.98	- .11	48	47	- 1	NNW	2	eg	1	57	47	-	
Dover ...	30.01	56	Z	0	δm	30.03	- .08	39	38	- 6	Z	0	f	*	58	36	-	
London ...	30.02	49	N	1	δ	30.04	- .07	36	35	- 2	Z	0	f	*	60	34	-	
Oxford ...	30.02	49	N	1	δ	30.01	- .09	38	37	- 6	N	1	m	*	61	34	-	
Cambridge ...	30.01	53	NNW	1	δe	29.99	- .09	48	46	- 0	NNE	1	δm	2	57	42	-	
Yarmouth ...	30.01	53	NNW	1	δe	29.99	- .09	48	46	- 0	NNE	1	δm	2	57	42	-	
The Helder ...	30.01	53	NNW	1	δe	29.99	- .09	48	46	- 0	NE	1	e	*	*	*	0.08	
Cape Gris Nez ...	29.99	52	NE	3	0	29.99	- .09	54	52	- 0	SW	1	e	0	59	48	0.20	
Jersey ...	30.02	55	ENE	2	δ	29.98	- .13	54	51	- 1	E	3	δ	2	61	50	-	
Brest ...	30.00	?	S	2	δ	29.93	- .17	54	52	- 0	SE	3	δ	3	63	52	-	
L'Orient ...	29.99	57	SE	1	m	29.92	- .15	52	52	- 0	E	4	δ	2	64	48	-	
Rochefort ...	29.98	64	Z	0	δ	29.91	- .13	52	50	- 2	ENE	4	δe	3	75	46	-	
Biarritz ...	29.98	68	SSW	1	δ	29.88	- .15	54	52	- 9	ENE	1	δ	8	?	52	-	
Corunna ...	30.01	56	Z	0	δm	30.03	- .08	39	38	- 6	Z	0	f	*	58	36	-	
Brussels ...	30.02	49	N	1	δ	30.04	- .07	36	35	- 2	Z	0	f	*	60	34	-	
Charleville ...	30.02	49	N	1	δ	30.01	- .09	38	37	- 6	N	1	m	*	61	34	-	
Paris ...	29.98	54	NN	3	0	29.97	- .11	48	46	- 1	NN	2	e	*	60	34	-	
Lyons ...	29.98	54	NN	3	0	29.97	- .11	48	46	- 1	NN	2	e	*	60	34	-	
Toulon ...	29.79	63	N	3	m	29.79	- .11	55	?	- 2	NN	4	m	3	66	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.98	52	48	NN	4	δ	2	Valencia	29.82	60	56	SE	6	e	5
Thurso	29.95	61	55	SSE	1	δm	1	Scilly							
Scarborough ...	30.02	55	50	Z	0	δ	1	London	30.00	58	51	NNE	1	δm	*
Greencastle ...	29.94	58	55	S	2	δ	*	Rochefort ...	30.00	72	63	NNN	2	δ	3
Holyhead	30.01	59	56	SSW	2	δ	1								

Weather still remains fine, but the wind has increased to a strong breeze in the south-west of Ireland, where the barometer is falling briskly. Temperature has risen considerably.

EXPLANATION OF COLUMNS.

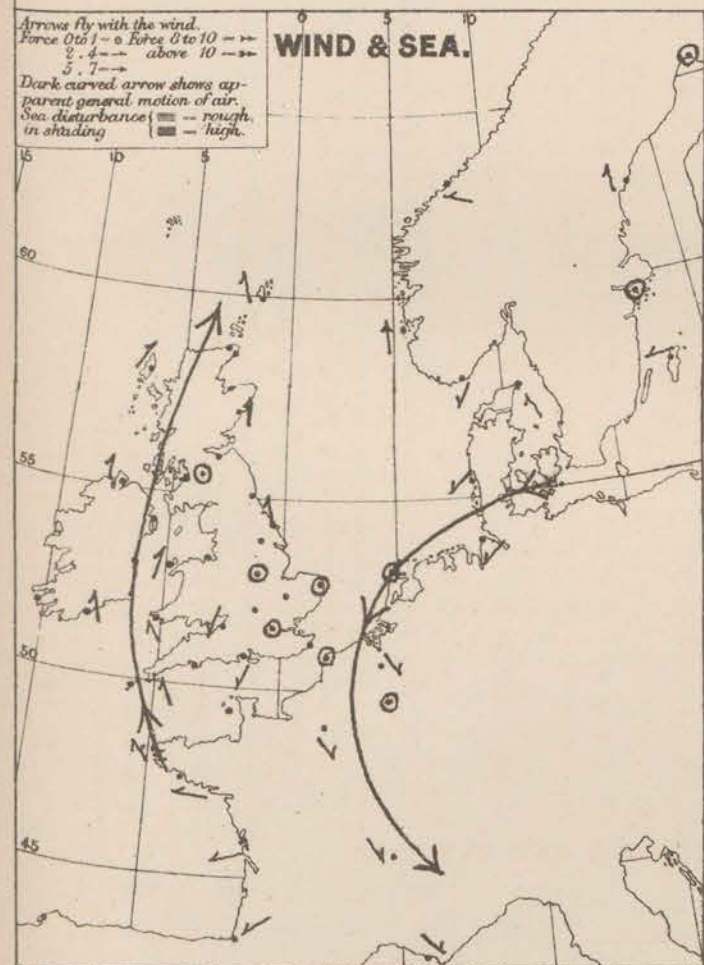
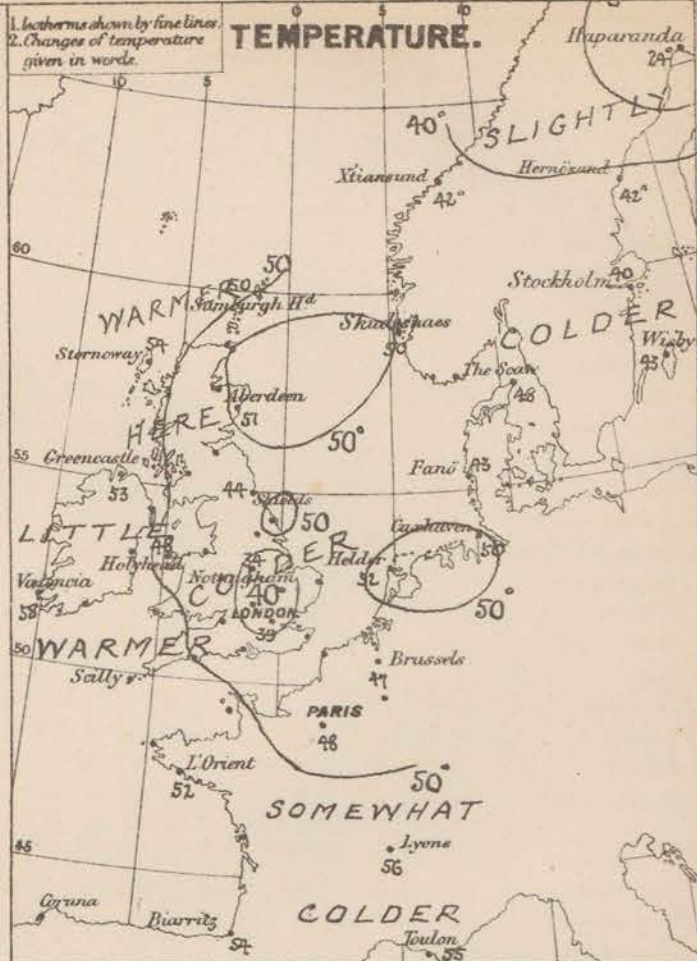
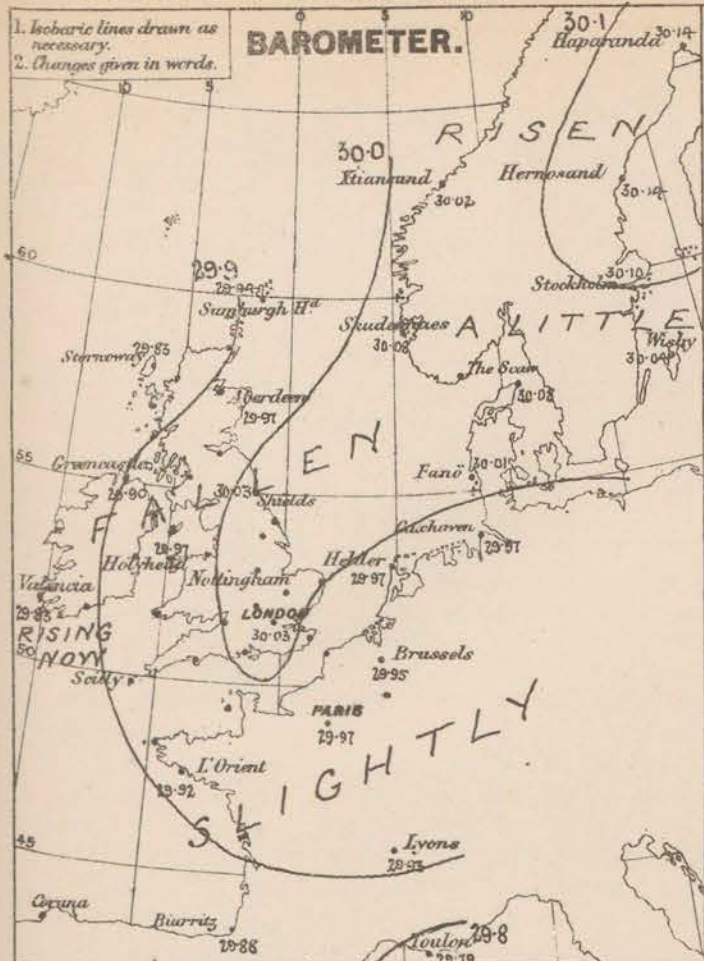
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 OCT. 3RD 1877.



REMARKS. Weather is clear in Sweden, and the coast of France, moderately so over Denmark, more or less cloudy elsewhere with a threatening appearance at Stornoway, and a great deal of fog and mist over England. Rain has fallen in very slight showers at York, Valencia and in the Netherlands, but fine dry weather continues generally over W. Europe. Temperature has risen somewhat in the N. and W. but in nearly all other places a further fall has occurred; it varies from 42° to 54° over Holland from 53° to 58° over Ireland, and 34° to 56° over England, over Central England. The weather is very cold, the thermometer at Nottingham being 24° lower than that at Valencia, and 20° lower than that at Stornoway; during last night it fell to 32° at Nottingham, 34° at Oxford and Cambridge, and 36° in London. Wind is light from E. in the W. of France, fresh from SE. at our SW. stations, light from SW. the W. and N. Sea is moderate to slight. Barometrical indications. Pressure has risen somewhat over Scandinavia and Denmark, but fallen in all other places, at our W. stations, however, a slight recovery seems now to be in progress. The disturbance which caused the fall of the barometer in the W. yesterday afternoon, now apparently lies off the NW. of Scotland.

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

R. H. SCOTT.
Secretary

DAILY WEATHER REPORT

Oct 4th

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 ...	30.19	36	NW	2	0	30.35	+ .21	36	34	+ 12	SE	2	0	*	*	*	—		
Hernösand ...	30.24	35	Z	0	f	30.31	+ .17	37	36	— 5	Z	0	fr	*	*	*	0.08		
Stockholm ...	30.24	41	NNE	2	0	30.36	+ .26	38	37	— 2	Z	0	f	*	*	*	—		
Wisby ...	30.16	44	ENE	4	c	?	?	44	41	+ 1	E	6	0	*	*	*	—		
Christiansund ...	30.10	43	ESE	1	0	30.14	+ .12	44	40	+ 2	ESE	3	0	*	*	*	—		
Skudesnaes ...	30.18	50	SSW	4	0	30.26	+ .18	48	44	— 2	ESE	6	0	4	52	?	—		
Oxö (Xtiansand) ...	30.19	48	E	4	0	30.31	+ .22	44	42	+ 1	N	4	0	2	50	41	—		
Skagen (The Sæw) ...	30.20	47	ENE	2	0	30.32	+ .24	49	45	+ 1	ESE	3	0	2	52	43	—		
Fanö ...	30.15	43	E	4	0	30.25	+ .24	44	43	+ 1	ENE	3	0	*	44	41	—		
Cuxhaven ...	30.06	*	E	4	0	30.18	+ .21	51	50	+ 1	ENE	4	0	*	54	46	—		
Sumburgh Head ...	29.94	50	S	6	2	29.92	— .02	51	51	+ 1	SSE	6	0	6	53	47	—		
Stornoway ...	29.81	56	SSW	6	0	29.80	— .03	54	54	0	SSW	7	0	6	58	52	0.10		
Thurso ...	29.89	52	SSE	1	m	29.87	— .02	52	50	+ 3	SSE	2	0	2	62	48	—		
Wick ...	29.92	52	S	3	0	29.92	+ .01	54	50	+ 3	S	3	0	3	56	49	—		
Nairn ...	?	57	Z	0	c	29.91	.00	56	53	+ 4	E	1	0	1	58	?	—		
Aberdeen ...	29.98	57	S	3	0	30.03	+ .06	50	49	— 1	Z	0	bm	1	54	49	—		
Leith ...	29.98	48	Z	0	0	30.05	+ .07	51	48	+ 7	Z	0	om	*	56	41	—		
Shields ...	30.04	50	S	2	0	30.16	+ .13	47	46	+ 3	SW	2	cm	1	54	44	—		
Scarborough ...	30.06	51	SSE	1	0	30.18	+ .15	53	50	+ 3	S	1	0	2	53	46	—		
York ...	30.04	51	ESE	1	0	30.21	+ .18	41	40	— 5	SE	1	fr	*	57	37	—		
Nottingham ...	30.07	51	Z	0	0	30.22	?	38	38	+ 4	Z	0	f	*	57	34	—		
Ardrossan ...	29.96	56	SE	2	0	30.02	+ .07	50	53	+ 10	S	4	0	4	61	46	—		
Greencastle ...	29.88	58	S	3	0	29.96	+ .06	55	54	+ 2	SW	3	0	*	41	?	—		
Donaghadee ...	29.95	53	S	3	0	30.04	+ .06	55	54	+ 2	S	5	0	3	59	50	—		
Kingstown ...	29.98	57	SSE	1	0	30.07	+ .13	55	53	+ 2	SE	3	0	3	59	52	—		
Holyhead ...	30.00	51	SSW	1	0	30.12	+ .15	51	50	+ 3	SSW	2	0	0	60	48	—		
Liverpool (Bidston) ...	30.01	55	SE	2	0	30.16	+ .17	44	43	— 1	SE	2	0	1	62	43	—		
Valencia ...	29.90	58	SSE	3	0	30.03	+ .20	57	57	+ 1	S	3	0	3	62	57	—		
Roche's Point ...	29.98	58	SSE	4	0	30.07	+ .21	58	56	+ 1	SSE	3	0	4	64	55	—		
Pembroke ...	29.98	57	SE	2	0	30.13	+ .20	55	53	— 1	SE	2	0	0	59	50	—		
Portishead ...	30.02	52	NNE	2	0	30.16	+ .16	41	41	— 1	Z	0	f	2	64	37	—		
Scilly ...	30.01	55	Z	0	0	30.13	+ .17	46	45	— 4	Z	0	fr	*	63	43	—		
Plymouth ...	30.03	59	SSW	2	0	30.15	+ .11	50	50	+ 3	NE	2	0	2	59	42	—		
Hurst Castle ...	30.02	58	NE	2	0	30.13	+ .15	51	47	+ 3	NNE	1	0	1	58	?	—		
Dover ...	30.03	55	Z	0	0	30.19	+ .16	38	37	— 1	Z	0	0	0	57	35	—		
London ...	30.03	55	Z	0	0	30.18	+ .14	38	38	+ 2	Z	0	f	*	59	34	—		
Oxford ...	30.04	50	E	1	0	30.19	+ .18	38	37	0	N	1	0	0	61	32	—		
Cambridge ...	30.03	55	ENE	2	0	30.16	+ .17	34	5	+ 6	E	2	0	2	56	46	—		
Yarmouth ...	30.03	55	ENE	2	0	30.17	+ .20	40	48	— 2	ENE	1	0	*	*	*	—		
The Helder ...	30.00	55	NE	3	0	30.12	+ .13	52	50	— 2	E	2	0	1	59	46	—		
Cape Gris Nez ...	30.00	55	NE	2	0	30.12	+ .14	55	52	+ 1	E	1	0	1	62	47	0.04		
Jersey ...	30.00	?	SE	3	0	30.16	+ .23	52	50	— 2	E	2	0	3	66	48	—		
Brest ...	30.00	?	SE	3	0	30.16	+ .23	52	50	— 2	E	2	0	3	66	48	—		
L'Orient ...	30.00	?	SE	3	0	30.16	+ .23	52	50	— 2	E	2	0	3	66	48	—		
Rocheport ...	29.94	64	N	3	0	30.08	+ .17	50	48	— 2	NE	3	0	3	73	48	—		
Biarritz ...	29.86	66	ENE	2	0	30.04	+ .16	54	50	0	Z	0	0	3	72	46	—		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	30.12	+ .17	?	*	?	?	?	f	*	*	*	—		
Charleville ...	*	*	*	*	*	30.02	+ .13	57	*	+ 3	N	1	0	*	*	*	—		
Paris ...	29.98	54	NE	3	0	30.09	+ .12	48	47	0	NE	3	0	*	*	*	—		
Lyons ...	*	*	*	*	*	30.03	+ .10	57	*	+ 1	N	2	0	*	*	*	—		
Toulon ...	29.80	57	NW	5	0	29.92	+ .13	52	46	— 3	NW	3	0	3	66	?	—		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.		
Skudesnaes ...	30.13	57	48	SSW	4	0a	3	Valencia	29.87	60	57	SSE	5	0a	5
Thurso	29.89	60	55	S	3	0cm	2	Seilly							
Scarborough ...	30.05	52	50	ESE	2	0	2	London	30.00	57	52	NNW	2	0	*
Greencastle ...	29.88	60	55	S	3	0	*	Rocheport ...	29.94	70	57	Z	0	0	1
Holyhead	30.00	59	53	SSW	3	0	2								

Weather remains very fine. Wind is moderate or fresh from SE. in the West, and the barometer is rising except at our NW stations.

EXPLANATION OF COLUMNS.

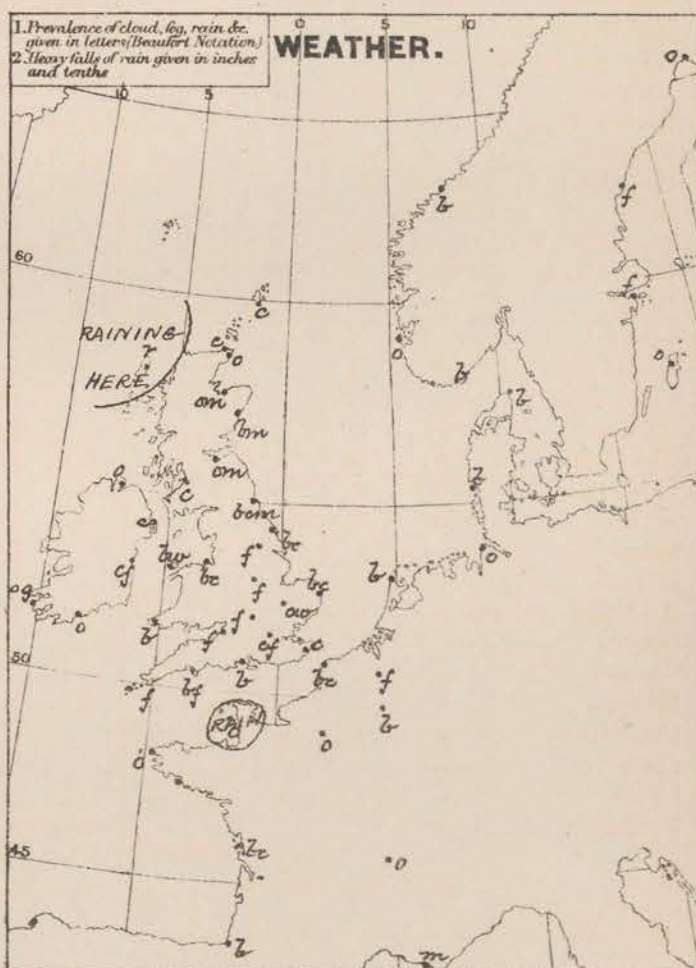
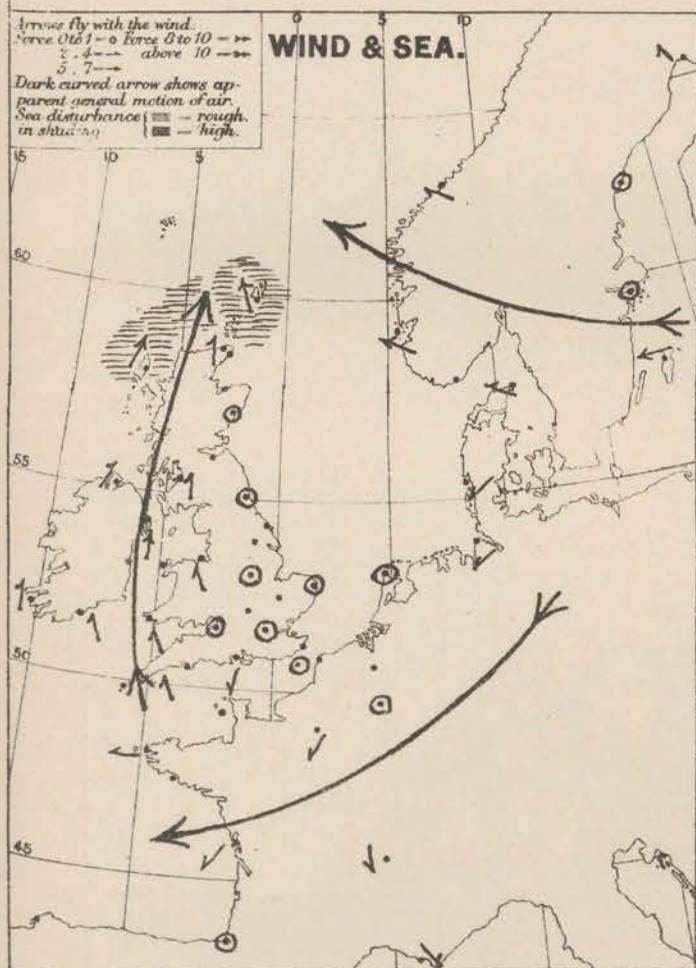
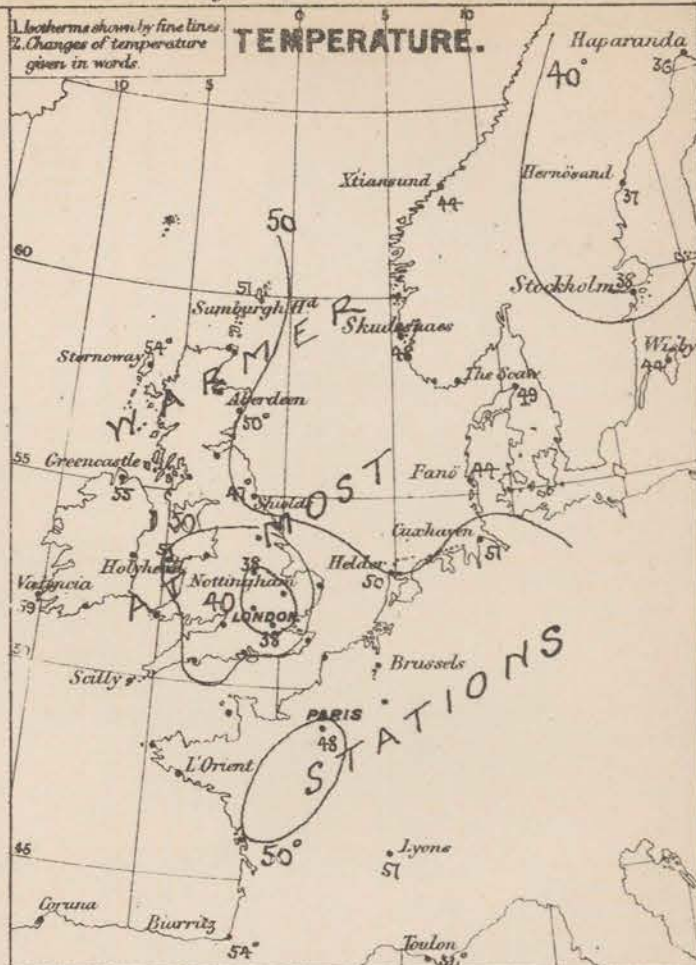
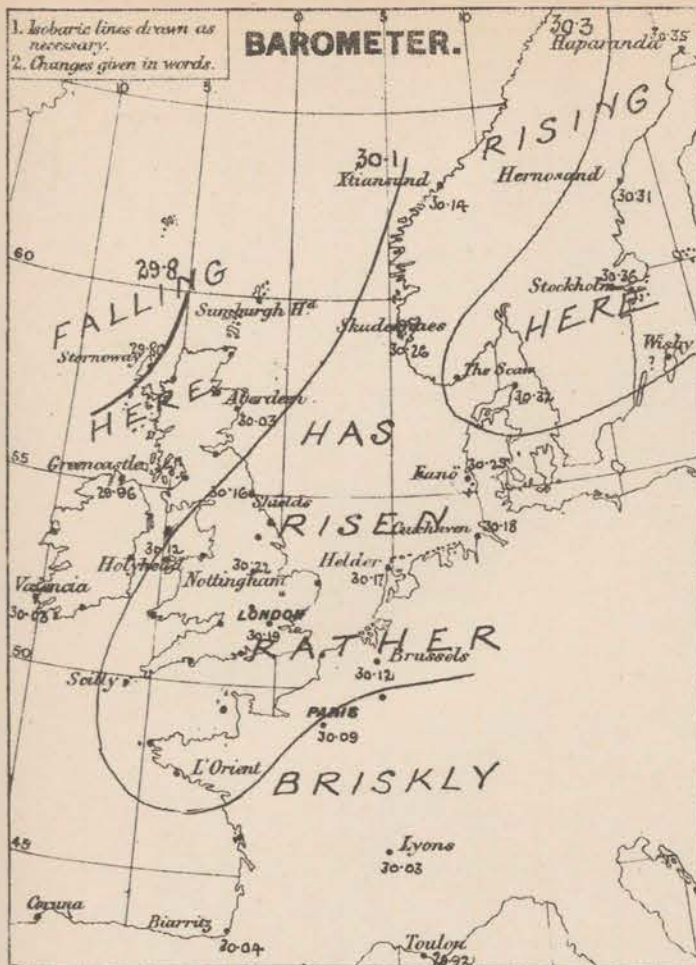
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Thursday Oct. 7th 1877.



REMARKS. Weather is clear over Denmark, and at some of our Sth and Eth stations, but is generally cloudy or overcast; at Norway rain is falling, and at most of the English stations a great deal of fog and mist still prevails. Rain has fallen during the past 24 hours at Jersey and Norway only. Temperature has risen, in nearly all places - chiefly in Scotland, it varies from 55° to 59° over Ireland, from 52° to 56° over Scotland, and from 38° to 56° over England, in the W. and N. the thermometer is high for the season, but over central England it continues very low; during last night it fell to 32° in the shade at Cambridge, to 34° at Nottingham and Oxford, and to 35° in London. Winds is NE^{ly} to E^{ly} over France and N. Germany. SE^{ly} to S^{ly} over Wth and Nth coasts, it blows strongly in the Hebrides, and Shetlands, but is moderate to light elsewhere, in England calms prevail. Sea is moderate to slight, except in the N.

Barometrical Indications. Barometer has fallen somewhat in the N. of Scotland, but has risen in all other places. A slight depression has advanced to the NWth of our Islands during the night, where the highest pressures are found over Scandinavia.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

OCT 5th

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.		SEASIDE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SEASIDE TEMP.		Amount of Rainfall.	
			Dirco.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force (0 to 12).			Max.	Min.		
Haparanda ...	30.47	39	S E	2	0	30.56	+ .21	40	39	+ 4	SW	2	0	*	*	*	-	
Hernösand ...	30.46	36	Z	0	0	30.60	+ .29	40	38	+ 3	SSW	2	0	*	*	*	-	
Stockholm ...	30.43	40	S	2	0	30.67	+ .31	37	36	- 1	Z	0	f	*	*	*	-	
Wisby ...	30.41	37	SE	4	0	30.62	?	39	37	- 5	ESE	4	0	*	*	*	-	
Christiansund ...	30.28	47	ESE	2	0	30.41	+ .27	49	44	+ 5	SE	1	0	4	7	41	-	
Skudesnaes ...	30.39	51	SE	6	0	30.57	+ .31	50	46	+ 2	SE	6	0	4	52	48	-	
Öxö (Xtina) and ...	30.44	47	E	4	0	?	?	46	44	+ 2	NE	4	0	2	50	41	-	
Skagen (The Seaw) ...	30.46	47	SE	2	0	30.60	+ .28	49	46	0	Z	0	0	0	50	43	-	
Fanö ...	30.42	46	ESE	4	0	30.57	+ .32	45	43	+ 1	ENE	4	0	*	52	41	-	
Cuxhaven ...	30.25	48	E	2	0	30.53	+ .35	49	49	- 2	E	2	0	*	55	45	-	
Sumburgh Head ...	30.09	52	SW	2	m	30.29	+ .37	52	51	+ 1	SSW	2	m	3	55	49	0.05	
Stornoway ...	30.03	51	W	1	0	30.23	+ .43	53	52	- 1	SW	1	0	4	56	48	0.09	
Thurso ...	30.08	55	Z	0	0	30.26	+ .39	55	54	+ 3	SSW	1	0	1	60	50	0.01	
Wick ...	30.13	54	NW	1	0	30.29	+ .37	56	54	+ 2	SW	2	0	3	59	51	-	
Nairn ...	29.86	56	Z	0	0	30.29	+ .38	57	54	+ 1	Z	0	cm	1	60	50	-	
Aberdeen ...	30.16	54	S	4	0	30.37	+ .34	52	51	+ 2	S	1	0	1	57	50	-	
Leith ...	30.15	57	SW	2	0	30.39	+ .34	48	48	- 3	ENE	1	cm	*	60	44	-	
Shields ...	30.26	53	SW	2	m	30.49	+ .33	46	43	- 3	SW	2	f	2	57	43	-	
Scarborough ...	30.29	52	S	2	0	30.47	+ .29	50	49	- 3	SSE	1	0	2	56	47	-	
York ...	30.29	52	SSE	1	0	30.50	+ .29	46	41	0	W	1	f	*	60	38	-	
Nottingham ...	30.30	52	Z	0	0	30.49	+ .27	37	37	- 1	Z	0	f	*	65	32	-	
Ardrossan ...	30.15	56	S	3	0	30.38	+ .36	53	51	- 3	ESE	1	0	2	57	53	-	
Greencastle ...	30.10	58	SSW	1	0	30.30	+ .34	5	49	- 4	S	2	0	*	59	?	0.01	
Donaghadee ...	30.18	57	SW	4	0	30.38	+ .34	52	52	- 3	SSW	4	0	2	58	50	-	
Kingstown ...	30.19	59	S	4	0	30.37	+ .30	54	52	- 1	S	1	0	1	63	52	-	
Holyhead ...	30.22	55	SSW	1	0	30.40	+ .28	49	47	- 2	SSW	1	0	1	60	45	-	
Liverpool (Bidston) ...	30.25	53	SE	2	0	30.44	+ .28	45	45	+ 1	SE	2	0	1	58	42	-	
Valencia ...	30.44	58	S	4	0	30.23	+ .20	59	57	0	SE	5	0	5	61	56	-	
Roche's Point ...	30.18	58	S	3	0	30.31	+ .24	57	55	- 1	SSE	4	0	4	64	55	-	
Pembroke ...	30.23	56	SE	2	0	30.34	+ .21	51	50	- 4	ESE	2	0	2	58	48	-	
Portishead ...	30.25	52	NNE	1	0	30.41	+ .25	43	43	+ 2	NNE	1	0	1	63	58	-	
Scilly ...	30.24	54	E	1	0	30.36	+ .23	49	48	+ 3	E	2	0	3	61	42	-	
Plymouth ...	30.23	57	SW	2	0	30.44	+ .29	50	49	0	NE	3	0	3	60	42	-	
Hurst Castle ...	30.26	54	NE	3	0	30.42	+ .29	55	52	+ 4	E	4	0	2	68	50	-	
Dover ...	30.28	56	ENE	2	0	30.44	+ .25	41	40	+ 3	NE	1	0	3	58	56	-	
London ...	*	*	*	*	*	30.45	+ .27	41	40	+ 3	Z	0	m	*	59	35	-	
Oxford ...	30.26	53	E	1	0	30.46	+ .27	58	57	0	N	1	m	*	62	32	-	
Cambridge ...	30.27	53	E	2	0	30.45	+ .29	58	53	+ 1	E	3	0	2	56	50	0.02	
Yarmouth ...	*	*	*	*	*	30.45	+ .28	57	50	+ 1	ENE	1	0	*	*	*	-	
The Helder ...	30.22	54	NE	4	0	30.39	+ .27	48	46	- 4	E	3	0	2	59	46	-	
Cape Gris Nez ...	30.24	54	ENE	1	0	30.34	+ .22	54	50	- 1	E	3	0	2	61	50	-	
Jersey ...	30.27	?	N	2	0	30.32	+ .16	52	50	0	E	2	0	3	64	48	-	
Brest ...	30.22	55	NNN	1	0	30.32	+ .19	50	46	0	E	3	0	2	66	45	-	
L'Orient ...	30.16	61	NNE	3	0	30.33	+ .15	50	48	0	NE	4	0	3	75	46	-	
Rochefort ...	30.12	64	N	4	0	30.19	+ .15	48	46	- 6	SSW	1	0	1	?	39	-	
Biarritz ...	*	*	*	*	*	30.41	+ .29	44	?	?	?	?	f	*	*	*	-	
Corunna ...	*	*	*	*	*	30.27	+ .25	46	?	?	E	3	?	*	*	*	-	
Brussels ...	30.19	56	NE	3	0	30.35	+ .26	?	?	?	N	?	?	*	*	*	-	
Charleville ...	*	*	*	*	*	30.16	+ .13	53	?	?	NE	2	f	*	*	*	-	
Paris ...	29.97	57	E	4	m	30.04	+ .12	57	50	+ 5	N	3	0	3	57	52	-	
Lyons ...	*	*	*	*	*	30.04	+ .12	57	50	+ 5	N	3	0	3	57	52	-	
Toulon ...	*	*	*	*	*	30.04	+ .12	57	50	+ 5	N	3	0	3	57	52	-	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	30.32	52	48	SE	8	c	5	Valencia	30.09	60	57	SSE	4	c	4
Thurso	29.99	56	54	Z	0	0	1	Scilly							
Scarborough ...	30.24	53	57	SSE	0	c	2	London	30.22	58	53	NE	2	cm	*
Greencastle ...	30.04	58	57	SSW	2	0	*	Rochefort ...	30.08	63	54	NE	3	0	3
Holyhead	30.18	59	55	SSW	3	0	2								

Weather is dull or cloudy except in Wales. Wind is S^{ly} (SW to SE) except in the SE. where it is NE^{ly}. Pressure is increasing everywhere - briskly at Thurso.

EXPLANATION OF COLUMNS.

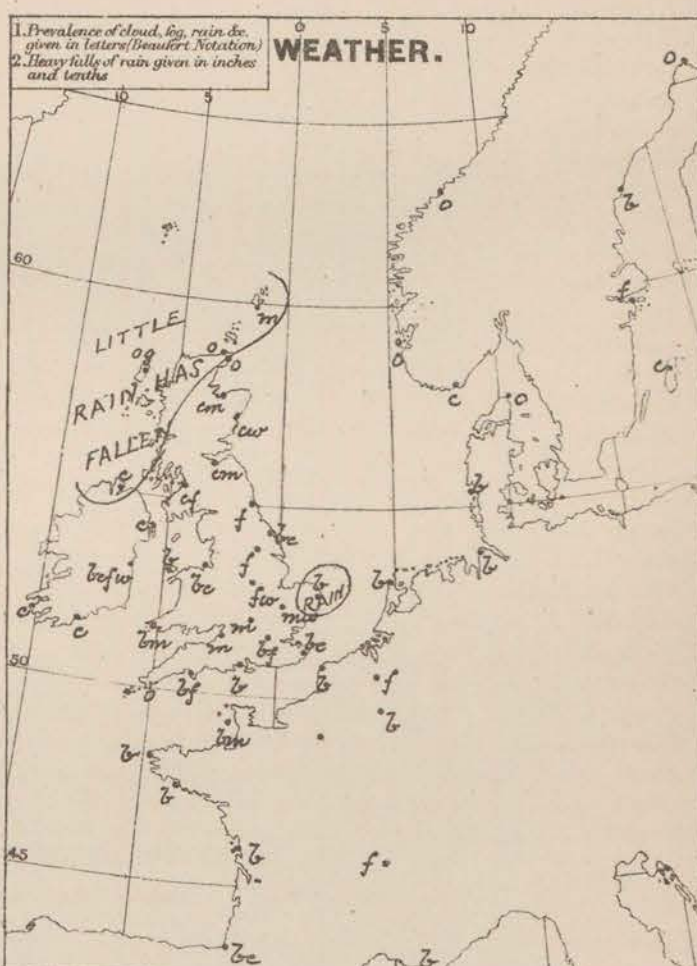
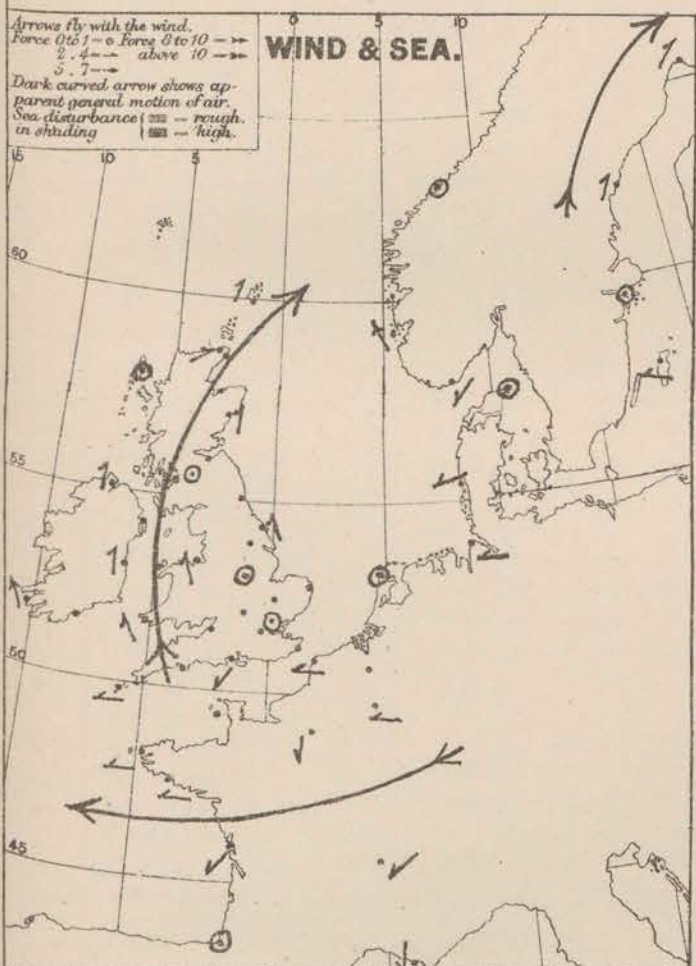
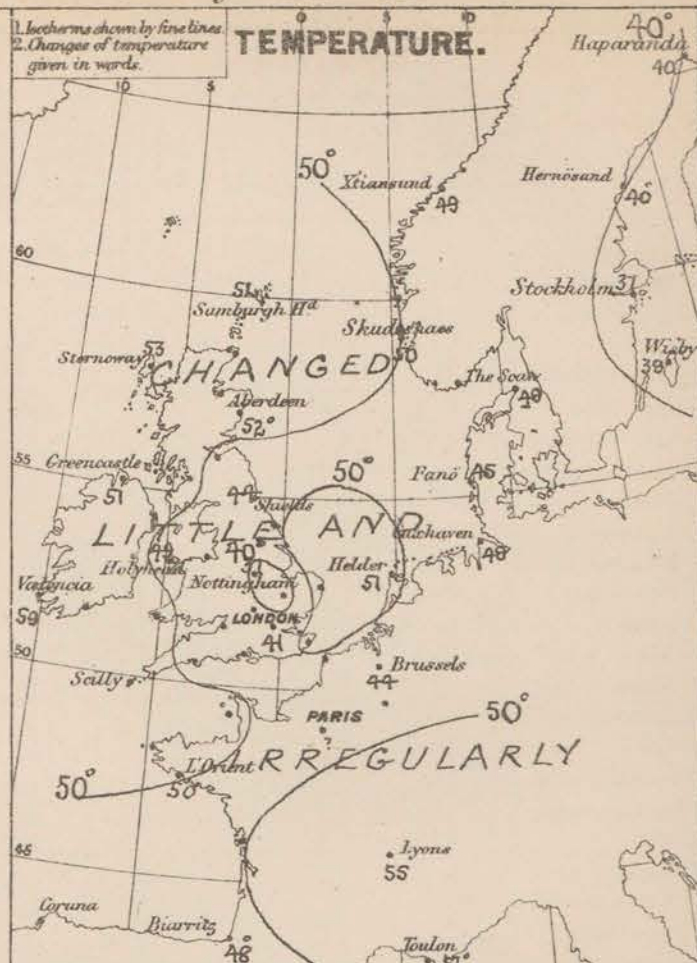
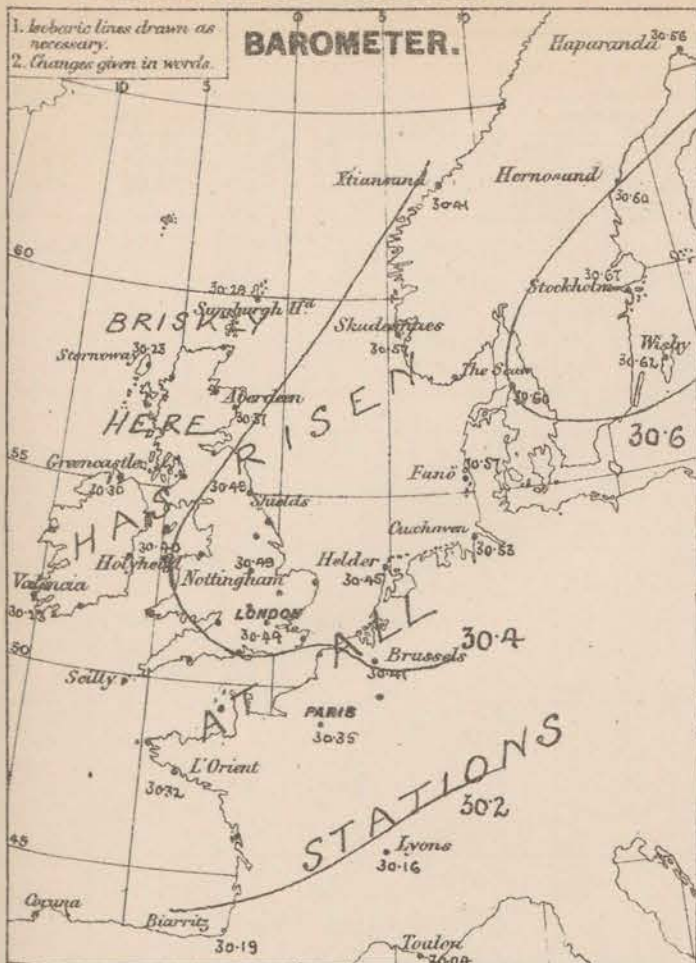
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Fri. day OCT. 5TH 1877.



REMARKS. Weather is clear over France, N. Germany, and the SE. of England, cloudy or dull elsewhere, with fog or mist over Central England, and at many of the Scotch stations. Rain has fallen in the extreme N. of Scotland, as well as at Newcastle and Plymouth, but still in very small quantities. Temperature has not changed much, it varies from 48° to 56° over Scotland, from 57° to 59° over Ireland, and from 37° to 55° over England, it is still low at our central stations, the reading at Nottingham this morning being 19° lower than that at Wick, and 3° lower than that at Haparanda in Lapland. During last night the thermometer fell to 32° at Cambridge, and Nottingham, and to 36° in London. Wind is E over France and the Channel, S. to SE. over W. coast, and S. in the N. It blows freshly at Valentia, but is moderate or light, and fresh elsewhere. Sea is rather rough at Valentia, moderate or slight in our other coasts.

Barometrical Indications. Pressure has increased in all parts of W. Europe most in the NW. of the Islands. It now exceeds 30 inches at all stations, and reaches 30.60 in Sweden.

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT

OCT 6th 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.			SEASIDE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		
			Dirco.	Force. (0 to 12).			Reading at 32° F. and Sea Level.	Difference from 32° F. yesterday.		Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.
Haparanda ...	30.53	57	SW	2	0		30.51	-.25	41	40	+	1	SW	2	0	*	*	*	-
Hernösand ...	30.64	55	Z	0	0		30.42	-.18	39	38	-	1	Z	0	0	*	*	*	-
Stockholm ...	30.77	57	SW	2	0		30.69	+.02	40	38	+	3	SW	6	0	*	*	*	-
Wisby ...	30.74	56	ESE	4	0		30.73	+.11	39	37	0		SSW	4	0	*	*	*	-
Christiansund ...	30.45	57	Z	0	0		30.26	-.15	53	48	+	4	SW	4	0	4	?	46	-
Skudesnaes ...	30.69	57	SSE	6	0		30.62	+.05	52	48	+	2	S	6	0	5	52	50	-
Oxö (Kriensand) ...	30.70	50	S	4	0		30.71	?	49	46	+	3	SSW	4	0	2	52	46	-
Skagen (The Sæw) ...	30.74	47	SSW	2	0		30.74	+.14	46	41	-	3	SW	4	0	4	48	41	-
Fanö ...	30.73	43	E	4	0		30.76	+.19	42	41	-	3	E	2	7	*	52	39	-
Cuxhaven ...	30.65	52	E	2	0		30.77	+.24	44	43	-	5	SE	2	0	*	54	41	-
Sumburgh Head ...	30.40	52	SSW	3	0		30.07	+.08	52	51	0		WSW	5	0	6	55	50	0.14
Stornoway ...	30.35	55	SSW	5	0		30.49	+.26	52	51	-	1	WSW	1	0	4	56	44	0.14
Thurso ...	30.39	54	SSW	0	0		30.46	+.20	53	52	-	2	WNW	1	0	2	66	57	0.03
Wick ...	30.42	56	SW	2	0		30.45	+.16	55	52	-	1	SW	2	0	2	59	50	0.04
Nairn ...	30.26	56	Z	0	0		30.49	+.20	54	52	-	3	W	1	0	1	61	53	-
Aberdeen ...	30.48	52	SSW	1	0		30.52	+.15	50	48	-	2	Z	0	0	1	57	48	-
Leith ...	30.50	52	Z	0	0		30.59	+.20	50	49	+	2	W	1	0	*	61	46	-
Shields ...	30.56	53	SW	2	0		30.67	+.18	48	47	+	4	WSW	2	0	2	57	43	-
Scarborough ...	30.58	52	SE	3	0		30.69	+.22	50	48	0		SW	1	0	*	55	47	-
York ...	30.57	54	SE	1	0		30.71	+.21	39	39	-	2	NNW	1	0	f	60	36	0.01
Nottingham ...	30.57	53	ENE	3	0		30.73	+.21	39	39	+	2	Z	0	f	*	65	33	-
Ardrossan ...	30.49	55	SE	2	0		30.61	+.23	53	51	0		SSW	2	0	2	60	48	-
Greencastle ...	30.39	57	S	3	0		30.60	+.30	52	50	+	1	SSW	1	0	*	60	49	-
Donaghadee ...	30.47	57	SSW	0	0		30.63	+.25	50	50	-	2	SW	3	0	2	58	47	-
Kingstown ...	30.49	56	SSE	2	0		30.46	+.29	54	52	0		Z	0	0	cfur	59	52	-
Holyhead ...	30.49	54	SSW	1	0		30.65	+.25	50	49	+	1	SSW	1	0	f	60	47	-
Liverpool (Bidston) ...	30.53	53	ESE	2	0		30.67	+.23	46	45	+	1	SE	2	0	1	58	44	-
Valencia ...	30.48	58	SE	4	0		30.66	+.43	55	53	-	4	Z	0	0	1	61	57	-
Roches Point ...	30.45	58	SSE	5	0		30.62	+.31	57	55	0		SE	3	0	4	63	54	-
Pembroke ...	30.46	56	ESE	2	0		30.60	+.29	49	48	-	2	E	1	0	2	58	48	-
Portishead ...	30.49	57	NNE	2	0		30.66	+.25	44	44	+	1	NNE	3	0	2	63	40	-
Scilly ...	30.45	55	E	2	0		30.60	+.24	52	49	+	3	E	3	0	*	61	48	-
Plymouth ...	30.47	57	NE	3	0		30.61	+.17	50	49	0		NE	3	0	3	60	48	-
Hurst Castle ...	30.32	55	ENE	4	0		30.64	+.23	54	48	-	1	ENE	4	0	3	58	52	-
Dover ...	30.54	57	E	3	0		30.67	+.23	42	41	+	1	Z	0	0	6f	61	39	-
London ...	*	*	*	*	*		30.67	+.22	39	39	-	2	Z	0	0	8f	61	36	-
Oxford ...	30.55	52	E	1	0		30.69	+.23	40	40	+	2	NNW	1	0	*	62	33	-
Cambridge ...	30.55	54	E	5	0		30.67	+.22	54	51	-	1	E	2	0	2	58	52	-
Yarmouth ...	30.55	54	E	5	0		30.69	+.24	50	48	-	1	ENE	1	0	*	*	*	-
The Helder ...	30.47	54	E	4	0		30.60	+.21	45	43	-	3	ENE	3	0	2	59	41	-
Cape Gris Nez ...	30.42	55	ENE	4	0		30.56	+.22	54	50	0		ENE	3	0	3	62	49	-
Jersey ...	30.40	66	ESE	2	0		30.57	+.25	48	48	-	4	E	2	0	2	66	45	-
Brest ...	30.35	59	E	3	0		30.57	+.19	48	45	-	2	ENE	4	0	3	64	45	-
L'Orient ...	30.36	63	NE	4	0		30.36	+.13	48	46	-	2	NE	6	0	3	77	45	-
Rochefort ...	30.15	64	NNE	2	0		30.30	+.11	50	46	+	2	ENE	1	0	4	?	45	-
Biarritz ...	*	*	*	*	*		30.64	+.23	57	*	-	7	E	6	0	*	*	*	-
Corunna ...	*	*	*	*	*		30.48	+.21	47	*	+	1	E	3	0	*	*	*	-
Brussels ...	30.38	41	ENE	4	0		30.52	+.17	46	42	?		NE	4	0	*	*	*	-
Charleville ...	*	*	*	*	*		30.28	+.12	53	*	-	2	NE	4	0	*	*	*	-
Paris ...	30.07	61	SW	2	0		30.05	+.01	59	55	+	2	W	2	0	3	68	57	-
Lyons ...	*	*	*	*	*		30.05	+.01	59	55	+	2	W	2	0	3	68	57	-
Toulon ...	*	*	*	*	*		30.05	+.01	59	55	+	2	W	2	0	3	68	57	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.66	52	48	SSE	6	0	Valencia ...	30.32	60	56	SE	5	0
Thurso ...	30.34	64	60	S	2	cm	Scilly ...						
Scarborough ...	30.53	52	53	SE	0	0	London ...	30.47	60	56	ENE	1	0
Greencastle ...	30.37	59	54	S	3	0	Rochefort ...	30.24	72	59	ENE	4	0
Holyhead ...	30.45	58	54	SSW	3	0							

Barometer has risen everywhere since the morning, but appears to have fallen slightly at Pembroke during the past hour. Winds are 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.

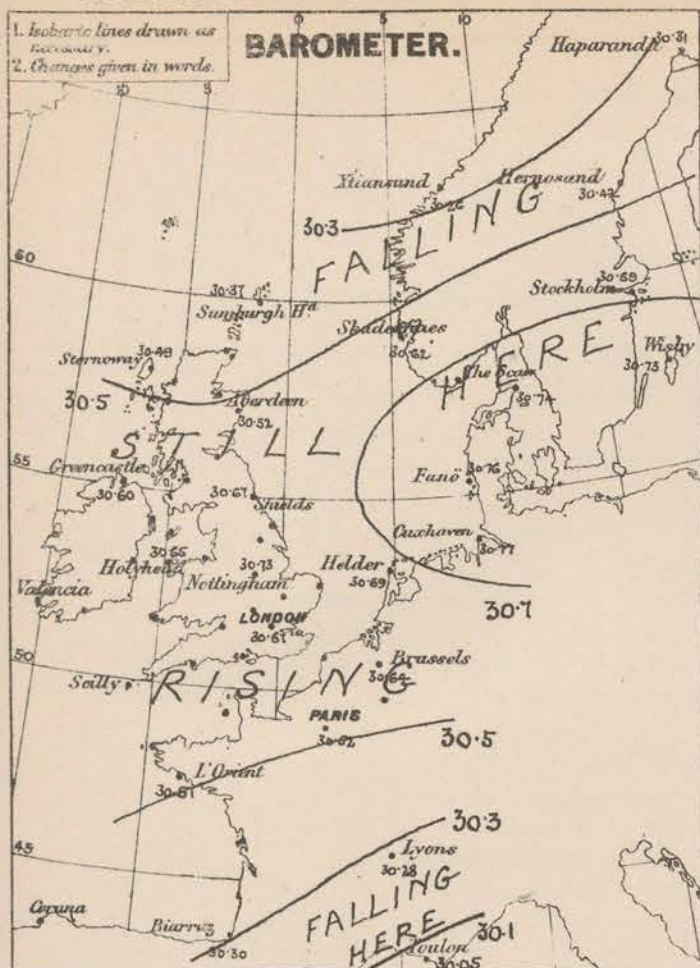
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Saturday Oct. 6th 1877.

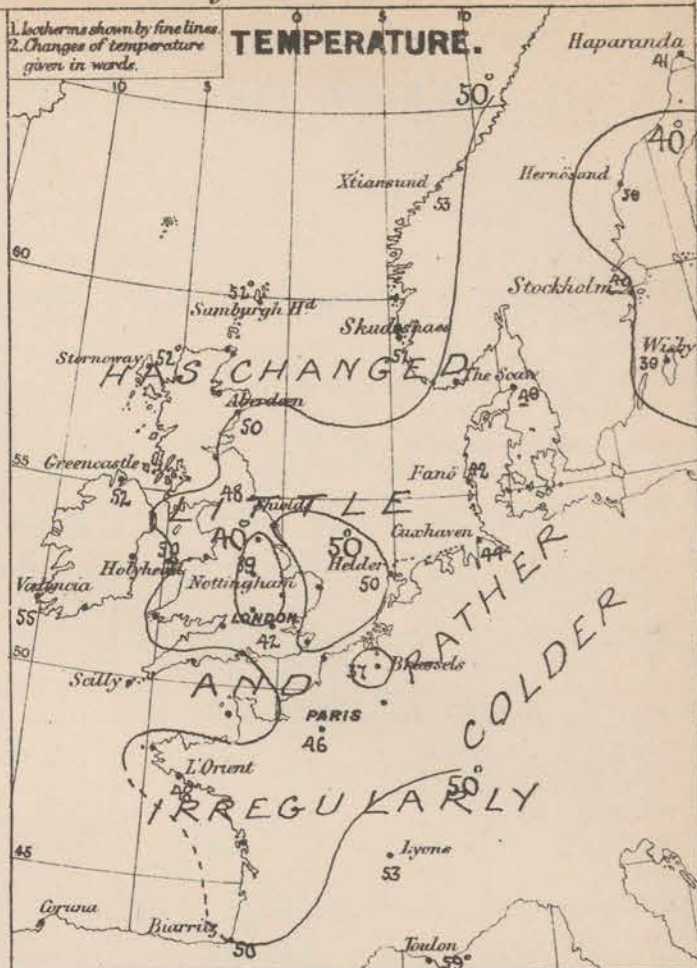
1. Isobaric lines drawn as
isobars.
2. Changes given in words.

BAROMETER.



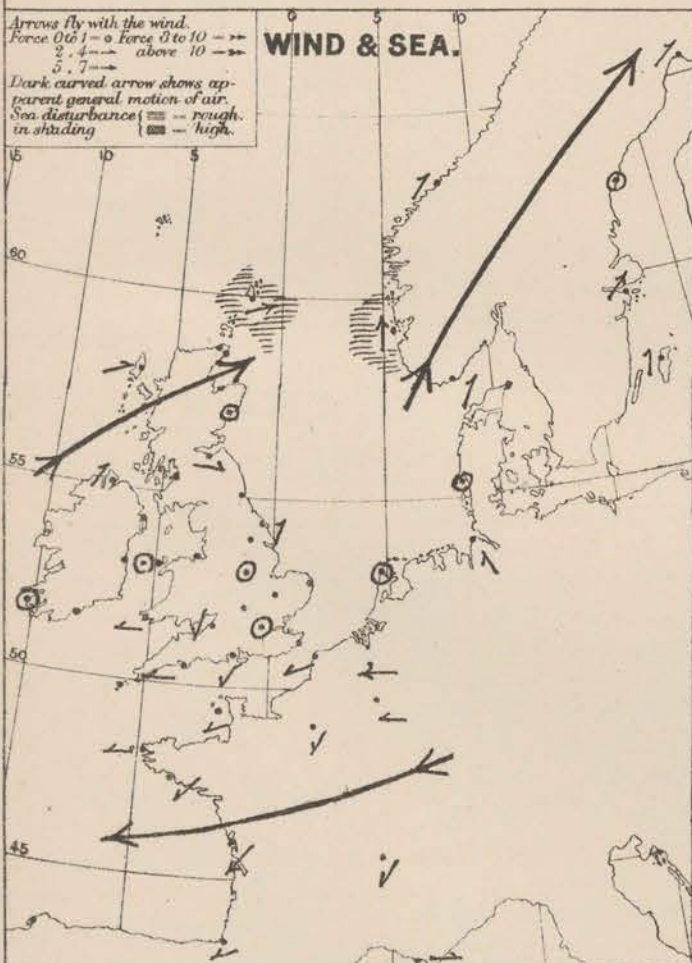
1. Isotherms shown by fine lines.
2. Changes of temperature
given in words.

TEMPERATURE.



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

WIND & SEA.



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

WEATHER.



REMARKS. Weather remains clear over France, N. Germany, and the E. of England, but cloudy or dull in the W. and N. of our Islands and over Scandinavia, where fog or mist still prevails at many of our stations. Rain is now falling at Thess and the Netherlands, and slight showers have occurred at the other stations in the extreme N. of Scotland, as well as at York, but elsewhere the weather is dry. Temperature has changed very little, still varying from 50° to 55° over Scotland, from 50° to 54° over Ireland, and from 50° to 55° over England, at our central stations the thermometer remains low, 16° lower than at Wick, 14° at Christiansund, and 2° than at Haparanda; but the lowest reading recorded this morning, over the whole of W. Europe, is 37° at Brussels; during last night the thermometer fell to 33° both at Cambridge and Nottingham, and to 39° in London. Wind is moderate from E. over France, the Channel, and the S. of England, very light from W. in Scotland, and moderate to strong from S. W. in the Netherlands, and Scandinavia. Sea is rough in the N. slight to smooth elsewhere.

Barometrical indications. Pressure is now giving way at Sumburgh H. and over Norway and Sweden, but continues to increase elsewhere. The highlands very uniform over Ireland, England, the North Sea (30.7) and low both off the W. of Norway, and over the Mediterranean.

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

R. H. SCOTT,
Secretary

SUMMARY OF WEATHER IN WESTERN EUROPE

from SEPT^r 30th to OCT^r 6th 1877.

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

Pressure has been high, steady, and uniform over Western Europe, during this week, and the wind, which has been generally easterly over France, S^W in the N, and S W^N in the N, has been light in nearly all places, while over England calms have been very prevalent. Temperature has been rather low generally, but more particularly so over Central England, where the thermometer on the nights of the 4th and 5th fell as low as 32°. Weather has been fine, though with a great deal of fog over England, and scarcely any rain has fallen during the whole period.

SEPT^r 30th Pressure had increased quickly in Sweden, the deep depression noticed over that country on the 29th, having travelled away E^W, elsewhere the change had been slight, and pressure remained high and uniform over Western Europe. Wind was E^W over France, the North Sea, and Great Britain, but drew into SE. in Ireland; it was light on all our coasts; in the Baltic a N^W to N^E breeze prevailed, moderate generally but reaching a gale at Wisby. Temperature had fallen several degrees over Scandinavia and Denmark, while it had risen over the Channel and N. of France, elsewhere little change was shown. Sky was clear on the Continent generally as well as at some of our S^W and E^W stations, cloudy in the West. Scarcely any rain had fallen. The 6 P.M. Reports showed no important change.

OCT^r 1st Barometer was rising slowly over the N. of France, and at our S^W and N^W stations, but was falling in nearly all other places. The highest readings lay in a broad band across Ireland, England, and the North Sea; but pressure everywhere was very uniform. A light breeze from E. prevailed over France, a fresh SE^W breeze over Denmark, whilst the wind was moderate N^W (S W-N.) in Scandinavia, but on our coast calms prevailed. Temperature had fallen over these islands, but risen on the Continent; the thermometer was rather low over Central England, and during the previous night had fallen to 36° in the shade, and 29° on the grass in London. Sky was very cloudy in the N. with drizzling rain at Norway, but elsewhere it was moderately clear, though a great deal of fog and mist prevailed over England. In the evening the barometer was falling slowly on all coasts, but readings remained very uniform.

OCT^r 2nd A general though slight decrease in pressure was reported; readings however, continuing very uniform over the whole of Western Europe. A light E^W breeze was still reported over France, while the wind had shifted to the S^W over Ireland, and increased to a fresh breeze at Valencia; over England light variable airs or calms still prevailed. Temperature had risen slightly in the S. of Ireland, the E. of France, and over Sweden but had fallen in most other places, the change amounting to 16° at Nottingham; over Central England the weather was very cold. Weather was overcast at Valencia and Norway, and on the E^W shores of the North Sea, but the sky was apparently clear of cloud elsewhere.

though a great deal of fog and mist prevailed. During the day the barometer continued to fall (most at Valentia), and the S^W wind increased somewhat in the S. of Ireland. The weather remained fine generally.

OCT^r 3rd Pressure was increasing slowly over Scandinavia, Denmark, England, and Ireland, but falling both in the N. of these Islands and over France. A band of high readings stretched across the North Sea to the S.E. of England. Wind was S^W at all our more N^W and N^W stations, NE^W in Denmark, and E^W in the N. of France, it was moderate or light in force generally, and in England calms were still reported. Temperature had risen very slightly in the N. and briskly in the S. but a further fall was reported elsewhere. Over central England the thermometer was very low. Weather was cloudy at our extreme N^W and N^W stations, and thick fog prevailed over England, but elsewhere the sky was clear. Very little change occurred during the day; the barometer still fell in the N^W and rose elsewhere, the weather was dull in Scotland.

OCT^r 4th The mercury was rising in all parts of Western Europe, except the extreme N^W of the British Isles; readings were highest (30.3 in.) over Sweden, but a broad band of comparatively high pressure stretched S^W across the North Sea, and England to the N^W of France. Wind remained S^W in the N. and N. blowing strongly in the Hebrides and Shetlands, and NE^W to E^W over France, in England calms were still general. Temperature had risen generally - briskly in Scotland, but at our central stations it was still low for the season. It had fallen to 32° in the shade at Cambridge. Weather was clear over Denmark, and at some of our S^W stations, cloudy or foggy in most other places. During the day the barometer rose everywhere, the change being greatest in the N. where the wind had died down.

OCT^r 5th The mercury had risen briskly at all stations, the general distribution was, however, unaltered; the highest readings (now 30.6 in.) being still found over the Baltic and stretching S^W across these Islands. Pressure exceeded 30 in. over the whole of N^W Europe. Wind was moderate to light from E. over North Germany, France, and the Channel, SE^W to S^W in the N. and S^W in the S.; calms were still general in England. Temperature had changed little and irregularly; over central England the thermometer had again been as low as 32° during the night. Sky was clear over N. Germany, France, and the S.E. of England, rather cloudy elsewhere with a great deal of fog and mist. No change of importance was shown by the later Reports, the barometer still rising slowly generally.

OCT^r 6th The barometer had fallen slightly during the night both over Norway, Sweden, the Shetlands, and S.E. of France, it was highest (30.7 in.) over North Germany and the Baltic, while areas of comparatively low pressure were reported from the N. of Norway, (30.26 in.) and the Mediterranean (30.05 in.). Wind was N^W to S^W in all the more N^W parts of our area, and E^W in the S. while calms prevailed in the intervening space. Temperature was still changing very little, and remained low at our central stations. Weather was fine over France, North Germany, and the south-east of England, cloudy elsewhere. In the evening the barometer was falling slowly everywhere.

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

DAILY WEATHER REPORT OCT. 7TH 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 ...	29.74	42	SW	4	0	29.42	-.89	42	41	+ 1	SW	4	r	*	*	*	0.20	
Hernösand ...	30.13	44	SSW	4	0	29.59	-.83	43	42	+ 4	SSW	2	r	*	*	*	0.04	
Stockholm ...	30.44	46	SW	6	0	29.90	-.79	49	48	+ 9	WSW	6	0	*	*	*	-	
Wisby ...	30.34	48	WSW	8	0	30.18	-.55	45	42	+ 6	SW	8	0	*	*	*	-	
Christiansund ...	30.04	57	SW	4	0	29.61	-.65	?	?	?	WSW	1	?	?	?	?	-	
Skudesnaes ...	40.40	53	WSW	6	0	30.06	-.56	57	50	- 1	WSW	8	hf	4	?	?	0.47	
Oxö (Ktiansand) ...	30.50	52	SW	6	0	30.11	-.60	53	57	+ 4	WSW	6	0	4	?	4.6	-	
Skagen (The Seaw) ...	30.53	48	WSW	6	0	30.13	-.61	53	50	+ 7	W	8	0	8	?	4.5	-	
Fanö ...	30.62	46	SW	2	0	30.35	-.41	52	49	+ 10	WSW	4	c	*	?	4.1	-	
Oxhaven ...	30.70	4	S	1	?	30.50	-.27	37	37	- 7	SSW	1	0	*	50	32	-	
Sumburgh Head ...	30.36	57	W	6	0	30.06	-.31	52	50	0	WSW	8	0	7	56	49	0.03	
Stornoway ...	30.49	57	W	1	0	30.36	-.13	53	52	+ 1	W	6	du	4	56	48	-	
Thurso ...	30.46	57	WSW	1	0	30.26	-.20	52	52	- 1	W	5	ty	4	60	45	0.02	
Wick ...	30.45	57	W	2	0	30.25	-.20	54	52	- 1	W	6	du	3	59	41	-	
Nairn ...	30.43	57	Z	0	0	30.27	-.12	53	49	- 1	W	3	0	1	60	50	-	
Aberdeen ...	30.48	?	W	1	0	30.29	-.23	55	48	+ 5	W	3	0	0	63	47	-	
Leith ...	30.57	54	W	2	0	30.42	-.17	52	50	+ 2	W	4	0	*	60	49	-	
Shields ...	30.62	55	SW	1	0	30.46	-.21	54	52	+ 6	W	3	0	2	57	48	-	
Scarborough ...	30.63	52	WSW	2	0	30.47	-.22	47	45	- 3	WSW	2	of	2	56	45	-	
York ...	30.65	57	SSW	1	0	30.52	-.19	43	42	+ 4	SSW	1	f	*	57	35	-	
Nottingham ...	30.66	52	WNW	1	0	30.57	-.16	38	38	- 1	Z	0	f	*	61	32	-	
Ardrossan ...	30.61	54	E	1	0	30.51	-.10	35	52	+ 2	WN	2	0	2	61	53	-	
Greencastle ...	30.61	55	W	2	0	30.55	-.05	54	53	+ 2	W	2	0	*	60	57	0.01	
Donaghadee ...	30.64	54	WSW	1	0	30.57	-.06	57	57	+ 1	WSW	3	0	2	56	46	-	
Kingstown ...	30.66	57	Z	0	0	30.63	-.03	57	50	- 3	WSW	4	cmr	3	57	49	-	
Holyhead ...	30.64	54	W	1	0	30.58	-.07	54	53	+ 4	W	1	mur	0	?	48	0.01	
Liverpool (Bidston) ...	30.65	50	SSE	1	0	30.56	-.11	57	57	+ 5	W	2	0	1	55	46	-	
Valencia ...	30.63	55	WSW	1	0	30.67	+ .01	48	48	- 4	Z	0	demr	1	64	44	-	
Roche's Point ...	30.67	58	SE	3	0	30.66	+ .04	49	47	- 8	N	3	af	3	62	48	-	
Pembroke ...	30.64	52	N	1	0	30.61	-.02	50	49	+ 1	NNW	1	0	2	55	49	-	
Portishead ...	30.61	53	Z	0	0	30.59	-.07	42	42	- 2	Z	0	0	1	62	40	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.60	54	E	1	0	30.58	-.02	45	44	- 7	Z	0	om	*	59	41	-	
Hurst Castle ...	30.54	58	NE	2	0	30.53	-.08	47	47	- 3	NE	2	0	2	59	40	-	
Dover ...	30.62	53	ENE	4	0	30.54	-.10	57	49	- 3	NNW	3	0	2	56	46	-	
London ...	30.63	56	SE	1	0	30.57	-.10	41	40	- 1	Z	0	f	*	62	38	-	
Oxford ...	*	*	*	*	*	30.58	-.09	37	37	- 2	Z	0	f	*	61	34	-	
Cambridge ...	30.63	57	E	1	0	30.56	-.13	40	40	0	SW	1	f	*	62	32	-	
Yarmouth ...	30.65	54	ENE	1	0	30.52	-.15	46	45	- 8	WSW	1	0	2	57	43	-	
The Helder ...	*	*	*	*	*	30.50	-.19	41	40	- 9	SE	1	0	*	*	*	-	
Cape Gris Nez ...	30.58	50	ENE	2	0	30.52	-.08	46	45	+ 1	ENE	1	0	0	57	43	-	
Jersey ...	30.57	55	ENE	4	0	30.57	+ .01	54	57	0	NNE	2	0	2	60	48	-	
Brest ...	30.57	63	E	4	0	30.60	+ .03	50	48	+ 2	NE	2	0	2	66	46	-	
L'Orient ...	30.50	55	E	4	0	30.54	+ .03	50	46	+ 2	NE	3	0	2	64	46	-	
Rochefort ...	30.34	63	ENE	5	0	30.41	+ .05	46	43	- 2	NE	6	0	3	72	45	-	
Biarritz ...	30.28	61	NNW	4	0	30.38	+ .08	46	45	- 4	ENE	1	0	4	63	43	-	
Corunna ...	*	*	*	*	*	...	...	...	...	...	...	...	...	...	*	*	*
Brussels ...	*	*	*	*	*	30.55	-.09	46	*	- 1	E	3	0	*	*	*	-	
Charleville ...	*	*	*	*	*	30.44	-.04	44	*	- 3	E	1	0	*	*	*	-	
Paris ...	30.49	55	NNE	3	0	30.51	-.01	42	38	- 4	NNW	2	0	*	*	*	-	
Lyons ...	*	*	*	*	*	30.23	-.05	47	*	- 6	NE	7	0	*	*	*	-	
Toulon ...	30.02	63	W	2	0	29.97	-.08	55	50	- 4	WSW	2	0	3	66	59	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.45	52	57	SSW	6	ff	5	Valencia ...	30.62	62	56	SE	1	0	2
Thurso	30.47	58	54	NW	2	0	3	Scilly							
Scarborough ...	30.65	55	57	WSW	2	0	2	London	30.63	60	54	SE	2	0	*
Greencastle ...	30.60	58	54	SW	3	0	*	Rochefort ...	30.38	64	55	ENE	6	0	4
Holyhead	30.65	57	55	W	1	0	0								

Pressure is now giving way slowly generally. No other change of importance is reported.

EXPLANATION OF COLUMNS.

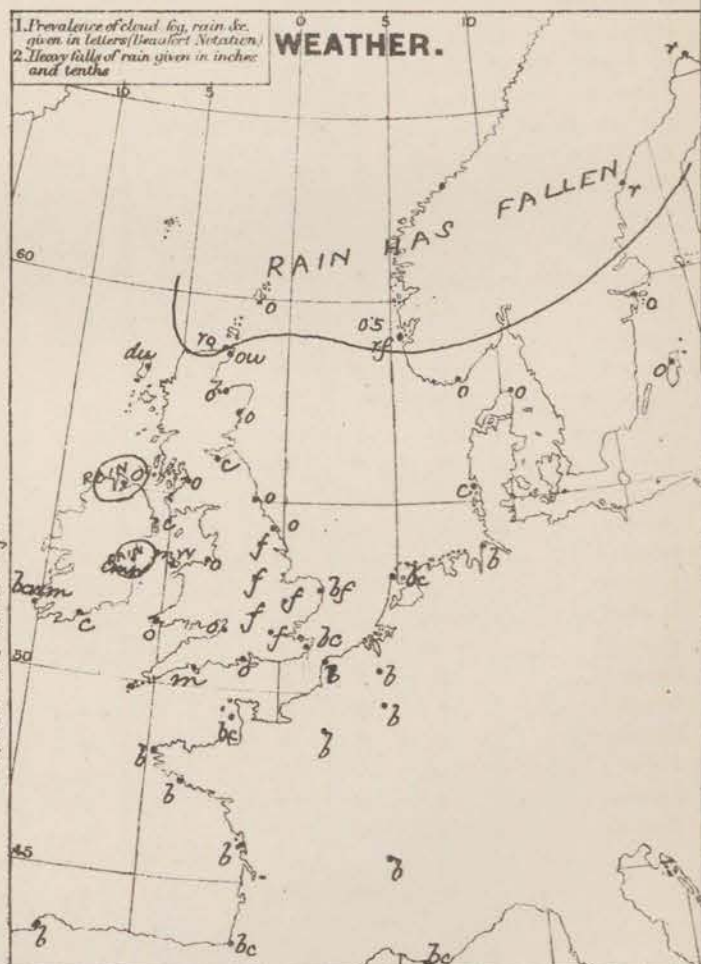
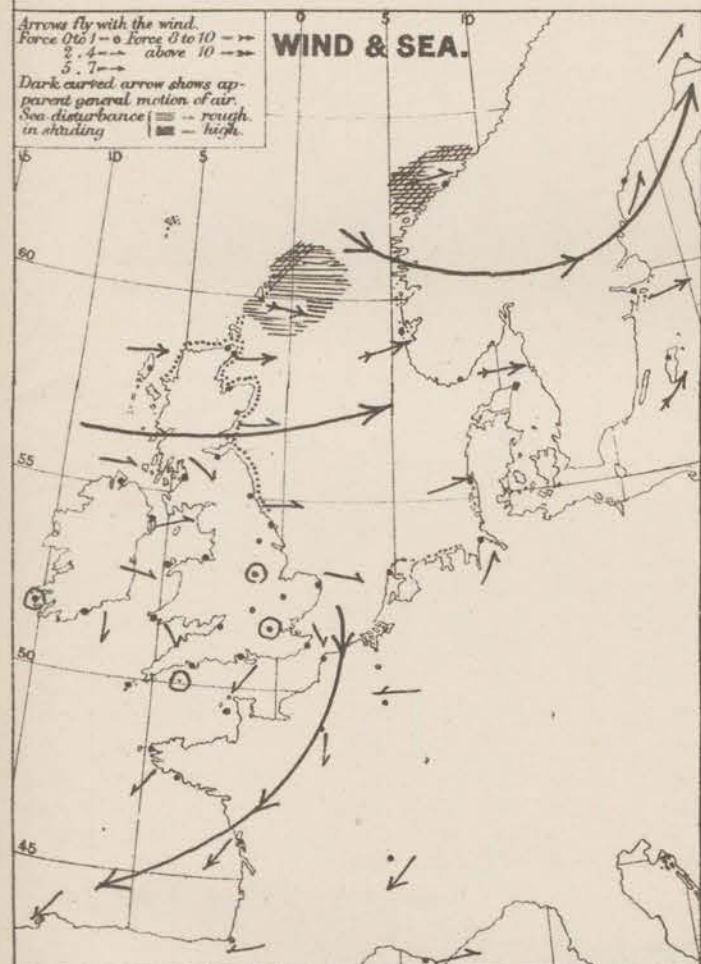
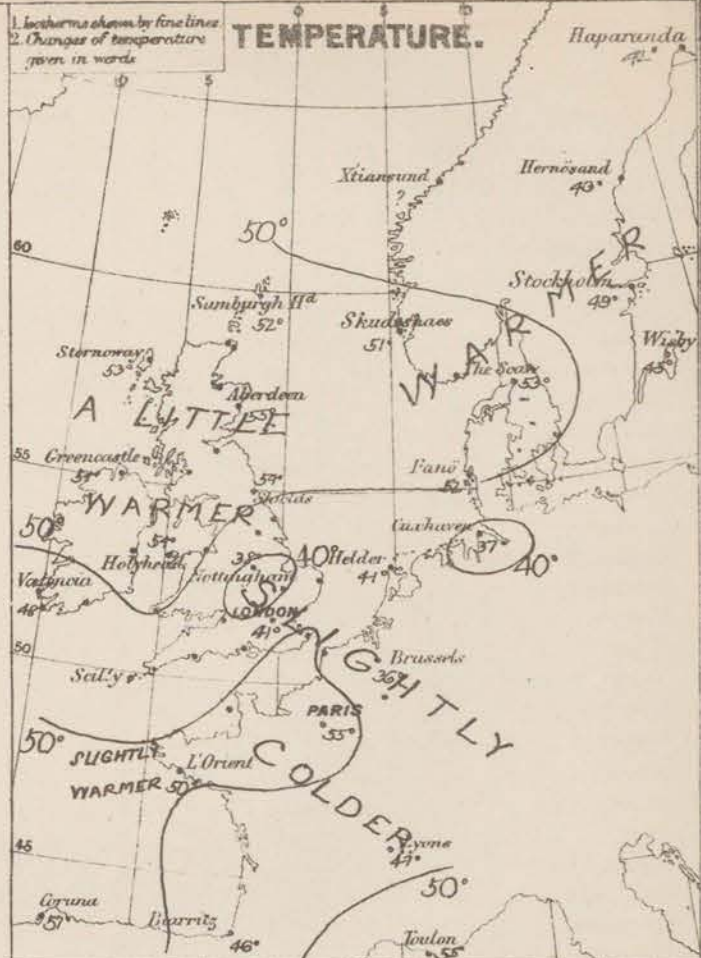
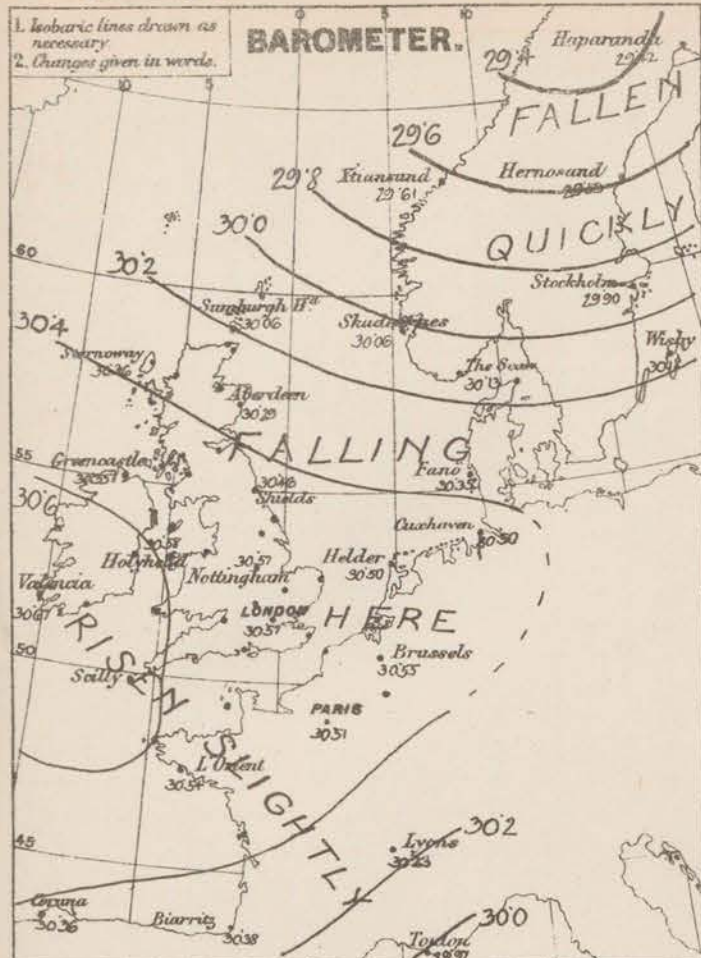
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Sunday 7TH OCT^R 1877.



Note. A dotted line is drawn round the coast which have been warned this morning.

REMARKS. Weather is still fine over France, but has become very dull elsewhere, and rain is falling in Scandinavia and the extreme north of Scotland. A good deal of fog is reported over Central England. Scarcely any rain has fallen during the past day. Temperature has risen several degrees over Scandinavia and Denmark, and to a smaller extent in the north of these islands, but in France and the south of England a slight fall has taken place. The weather over Central England is as much as seventeen degrees colder than in the north of Scotland and is now several degrees colder than in Lapland. The thermometer fell to the freezing point at Nottingham and Cambridge during the night, but at our coast stations it did not descend below 40°. Wind is light and variable on our south west coasts, moderate from NE over France, but W on our north and east coasts and in Scandinavia; it blows a fresh gale in the Shetlands and some parts of Norway, and is increasing quickly in the north of our Island. Sea is very high off the Shetlands and west of Norway, smooth on our south coasts. **Barometrical Indications.** During the past 24 hours pressure has fallen very quickly over Sweden, and a large and deep depression has advanced to the north of that country. At Haparanda the mercury is already down to 29.42 ins. and the barometer in all parts of the British Isles is being affected by the disturbance, though in the south of Ireland the mercury yet stands as high as 30.67 ins. Warnings issued to the N and NE coasts.

DAILY WEATHER REPORT OCT 8th 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 ...	28.97	39	Z	0	δ	29.13	-.29	38	37	- .4	N	4	c	*	*	*	0.12	
Hernösand ...	29.19	42	N	4	δc	29.31	-.28	42	37	- .1	NN	6	δ	*	*	*	-	
Stockholm ...	29.32	42	NNH	6	+	29.32	-.58	40	38	- .9	N	4	o	*	*	*	0.20	
Wisby ...	29.50	47	SE	8	+	29.32	-.86	44	41	- .1	NE	6	δ	*	*	*	0.57	
Christiansund ...	29.54	45	NNH	6	+	29.87	+.26	40	37	?	N	4	δc	8	45.5	36	?	
Skudesnaes ...	29.81	43	NNH	8	+	29.88	-.18	44	41	- .7	NNH	8	c	4	52	43	0.43	
Oxö (Xtiansand) ...	29.63	49	N	4	δ	29.67	-.44	48	41	- .5	NNH	5	δ	3	52	45	-	
Skagen (The Sæw) ...	29.52	50	NNH	7	δ	29.60	-.53	49	42	- .4	NE	8	δ	8	54	46	-	
Fanö ...	29.74	50	NNH	6	δ	29.65	-.70	47	45	- .5	NNH	6	δc	*	54	45	0.16	
Cuxhaven ...	30.07	*	NNH	4	o	29.65	-.85	50	45	+.13	N	6	c	*	52	36	0.10	
Sunburgh Head ...	30.07	47	N	6	c	30.23	+.17	43	39	- .9	N	5	c	5	53	39	0.05	
Stornoway ...	30.33	53	NNH	5	+	30.43	+.07	44	42	- .9	N	2	δ	4	54	41	0.10	
Thurso ...	30.20	51	NNH	6	o	30.33	+.07	45	44	- .7	NNH	5	c	5	54	44	0.08	
Wick ...	30.15	47	NNH	6	o	30.34	+.09	45	41	- .9	NNH	4	o	2	56	41	0.10	
Nairn ...	30.21	55	NNH	6	o	30.36	-.01	45	42	- .8	NNH	3	c	3	56	45	-	
Aberdeen ...	30.20	53	NNH	5	+	30.27	-.02	44	41	- .11	N	5	cp	3	59	43	0.12	
Leith ...	30.28	55	N	4	c	30.32	-.10	50	48	- .2	NNE	3	δ	*	56	48	0.05	
Shields ...	30.28	54	N	6	o	30.28	-.18	48	43	- .6	NNE	7	δc	4	60	47	0.08	
Scarborough ...	30.25	56	NNH	4	o	30.19	-.28	50	46	+.3	N	8	c	6	58	47	0.06	
York ...	30.31	58	NNH	1	c	30.24	-.28	49	45	+.6	NNH	3	δc	2	60	41	0.02	
Nottingham ...	30.34	54	NNH	4	o	30.25	-.32	50	47	+.12	NNH	4	δ	*	60	38	0.01	
Ardrossan ...	30.39	55	NNH	4	o	30.31	-.20	51	48	- .4	NNH	3	δ	3	56	51	-	
Greencastle ...	30.49	54	NNH	4	o	30.41	-.14	51	50	- .3	N	3	c	*	58	50	0.13	
Donaghadee ...	30.47	54	N	4	c	30.37	-.20	53	52	+.2	N	6	δc	5	58	50	0.01	
Kingstown ...	?	56	NNH	5	δc	30.40	-.23	54	50	+.3	NNH	6	c	5	58	49	-	
Holyhead ...	30.46	56	NNH	4	c	30.33	-.25	55	52	+.4	NNH	6	o	5	58	53	0.01	
Liverpool (Bidston) ...	30.42	54	NNH	4	o	30.26	-.30	53	53	+.2	NNH	4	o	3	56	51	-	
Valencia ...	30.62	57	N	2	o	30.55	-.12	55	52	+.7	N	4	o	5	61	47	-	
Roche's Point...	30.62	56	NNH	5	δc	30.48	-.18	54	51	+.5	NNH	5	c	4	59	50	-	
Penbroke ...	30.50	56	NNH	3	c	30.35	-.26	55	52	+.5	NNH	6	o	4	58	49	-	
Portishead ...	30.43	54	NNH	3	o	30.28	-.36	54	54	+.12	NNH	3	o	3	56	50	-	
Scilly ...																		
Plymouth ...	30.47	54	Z	0	o	30.32	-.26	54	53	+.9	Z	0	m	*	59	44	-	
Hurst Castle ...	30.47	57	N	1	o	30.20	-.33	55	54	+.8	NNH	3	o	3	57	45	-	
Dover ...	30.33	53	N	3	c	30.10	-.44	53	49	+.2	NNH	4	δc	2	56	50	-	
London ...	30.36	55	NNH	2	om	30.18	-.39	52	48	+.11	NNH	2	c	*	55	41	0.01	
Oxford ...	*	*	*	*	*	30.20	-.38	53	50	+.16	NNE	2	ow	*	56	37	-	
Cambridge ...	30.34	55	N	1	o	30.16	-.40	50	48	+.10	N	2	o	*	57	39	-	
Yarmouth ...	30.35	51	NNH	2	f	30.07	-.45	51	47	+.5	NNH	6	δc	6	54	45	-	
The Helder...	*	*	*	*	*	29.89	-.61	52	47	+.11	NNH	5	o	*	*	*	0.08	
Cape Gris Nez ...	30.36	54	NNH	2	m	30.08	-.44	54	50	+.8	N	6	o	5	55	46	-	
Jersey ...	30.45	53	NNH	2	c	30.25	-.32	56	53	+.2	N	5	ay	4	60	52	-	
Brest ...	30.37	63	N	2	o	30.36	-.24	55	52	+.5	N	5	o	3	64	48	-	
L'Orient ...	30.45	57	NE	4	δc	30.28	-.26	54	52	+.4	NNH	3	c	3	66	48	-	
Rochefort ...	30.34	63	NNH	4	δc	30.21	-.20	54	48	+.8	N	4	o	3	72	43	-	
Biarritz ...	30.32	61	NNH	3	δ	30.27	-.11	52	52	+.6	NNH	3	c	3	?	45	-	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.95	-.60	51	*	+.15	NNH	6	r	*	*	*	0.07	
Charleville ...	*	*	*	*	*	29.86	-.58	51	*	+.7	NNH	6	c	*	*	*	*	
Paris ...	30.34	53	N	3	δ	30.07	-.44	53	50	+.9	NNH	2	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.10	-.13	50	*	+.3	N	6	c	*	*	*	*	
Toulon ...	30.01	50	E	4	δ	29.80	-.17	52	45	- .3	N	1	c	4	55	?	0.67	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.80	49	46	NNH	8	+					
Thurso ...											
Scarborough ...											
Greencastle ...											
Holyhead ...											
Valencia ...											
Scilly ...											
London ...											
Rocheport ...	30.36	64	59	NNH	5	δ	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.

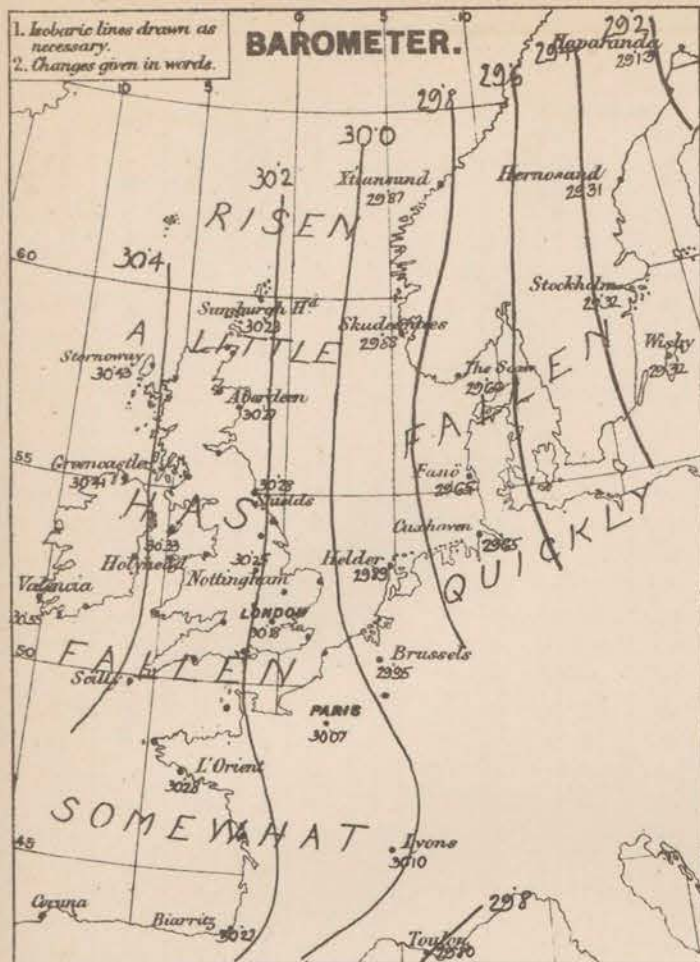
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 8TH OCT^R 1877.

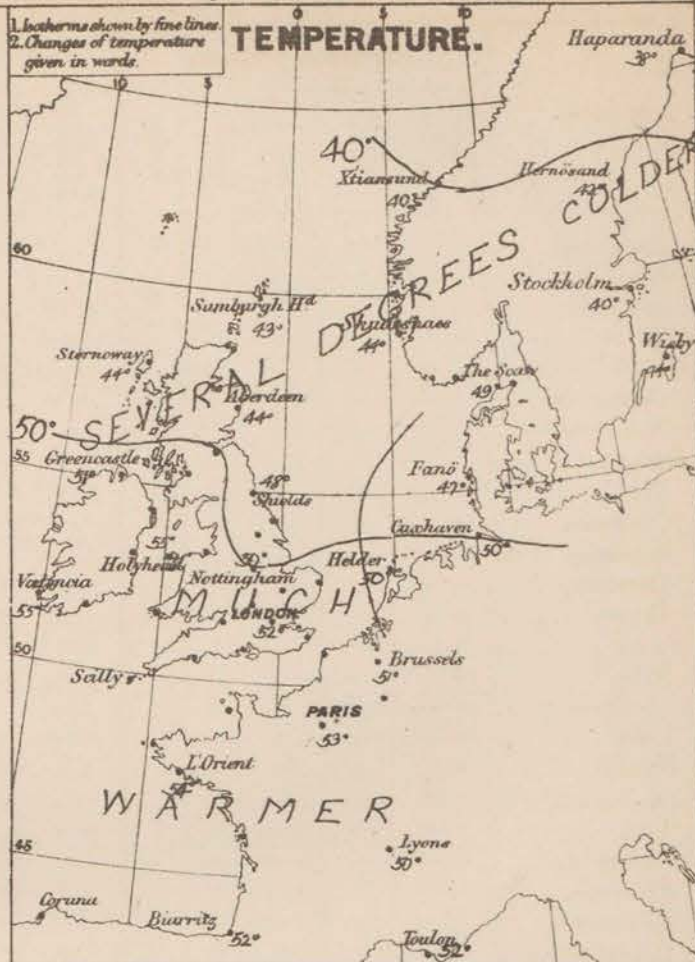
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



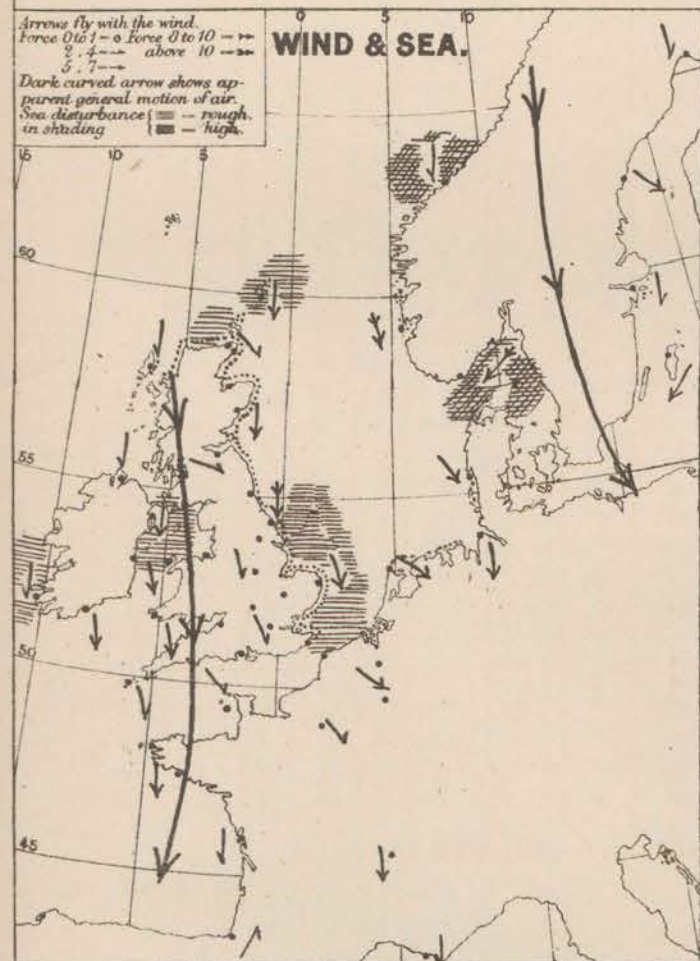
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



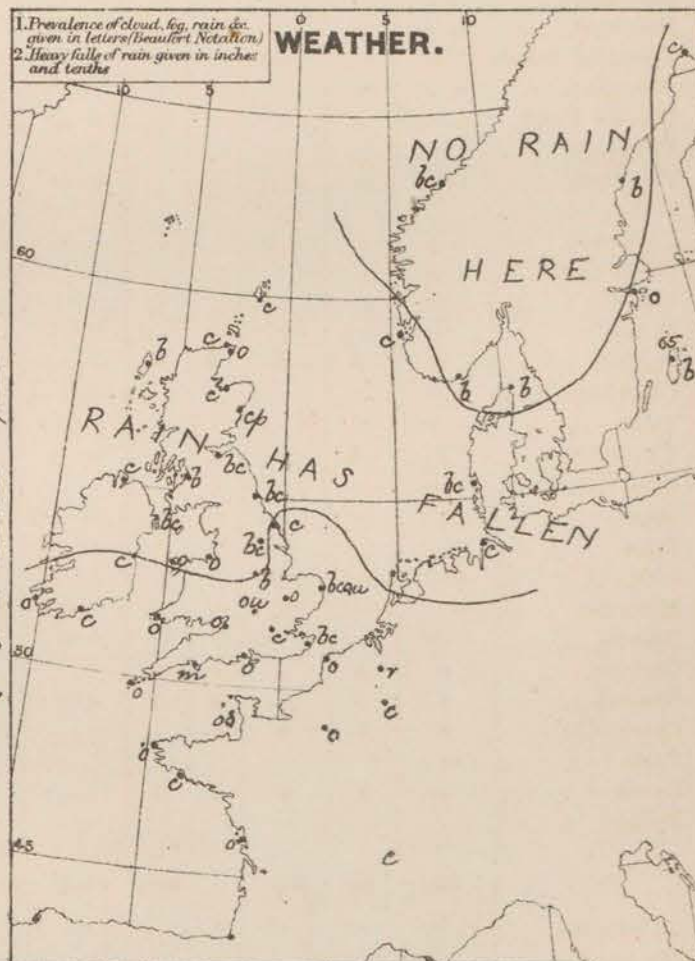
1. Arrows fly with the wind. Force 0 to 10 — 1 to 10 — 2 to 10 — 3 to 10 — 4 to 10 — 5 to 10 — 6 to 10 — 7 to 10 — 8 to 10 — 9 to 10 — 10 to 10 —
2. Dark curved arrow shows apparent general motion of air.
3. Sea disturbance — rough in shading — high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is clear in the west of Scotland and at some of the Scandinavian stations, but is dull or cloudy elsewhere, with squalls and showers of rain on the east coast. Rain has fallen at our northern, north-western and north-eastern stations, as well as in London and at the Helles, but everywhere in small quantities. Temperature has fallen quickly in the north, while it has risen equally quickly over England and France; it now varies from 42° to 51° over Scotland, from 51° to 55° over Ireland, and from 48° to 55° over England, the min in our Central England last night were about 40°. Wind is N on all coasts, and strong in force in nearly all places, while at Lubeck, Sweden and the Low it is blowing a fresh gale; during yesterday or last evening a fresh gale was experienced in the east of Scotland and north east of England. Sea is very high off the west of Norway, rough in the W, N, and east of these Islands, slight in the Channel. Barometrical Indications. A deep depression has advanced from the N^W over Scandinavia (the mercury at Haparanda being as low as 29.13 in.) and the barometer is falling at the southern stations but in Scotland, Norway and Sweden a recovery has commenced. Hannings were issued yesterday morning to the north and north east coasts, and extended to the east and south east this morning.

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT

OCT. 9TH 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETR.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	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 ...	29.53	35	N	6	δ	29.62	+ .49	30	28	- 8	Z	0	C	*	*	*	-	
Hernösand ...	29.71	40	NNW	6	δ	29.80	+ .49	36	33	- 6	NNW	4	δC	*	*	*	-	
Stockholm ...	29.61	41	NNW	6	δ	29.84	+ .52	35	33	- 5	N	4	δ	*	*	*	0.04	
Wisby ...	29.54	44	NE	8	0	29.79	+ .77	42	40	- 2	NNE	6	δC	*	*	*	0.04	
Christiansund ...	29.97	39	NW	2	0	29.91	+ .04	43	41	+ 3	SW	8	0	6	?	36	?	
Skudesnaes ...	30.00	44	NNW	6	C	30.13	+ .25	43	41	- 1	NNW	4	δ	2	45	43	-	
Oxö (Tiansand) ...	29.92	48	N	4	δ	30.08	+ .41	39	35	- 9	NNW	4	δ	2	54	37	-	
Skagen (The Seaw) ...	29.88	47	NE	9	δ	30.06	+ .44	44	38	- 5	ENE	3	δ	4	58	41	-	
Panö ...	29.93	45	N	2	δC	30.10	+ .45	40	37	- 7	N	2	δ	*	54	36	-	
Cuxhaven ...	29.79	*	N	6	δ	30.13	+ .48	47	44	- 3	NNE	4	δ	*	52	45	0.01	
Bumburgh Head ...	30.27	42	N	5	C	30.12	- .11	50	50	+ 7	NW	4	T	4	50	40	0.04	
Stornoway ...	30.39	47	NNW	1	C	30.28	- .15	52	51	+ 8	N	1	d	4	52	42	0.02	
Thurso ...	30.34	46	N	4	0	30.21	- .12	52	52	+ 7	N	3	rf	3	53	44	0.04	
Wick ...	30.35	44	N	2	0	30.21	- .13	53	53	+ 8	NNW	2	m	1	53	41	-	
Nairn ...	30.33	47	NNW	3	C	30.29	- .07	50	47	+ 5	N	1	C	1	50	43	-	
Aberdeen ...	30.31	45	N	4	0	30.25	- .02	49	47	+ 5	NW	1	0	1	49	43	0.01	
Leith ...	30.34	48	NE	2	δ	30.33	+ .01	41	39	- 9	N	2	δC	*	58	37	-	
Shields ...	30.31	46	N	5	C	30.36	+ .08	44	41	- 4	N	4	om	5	49	43	0.02	
Scarborough ...	30.25	48	N	8	δ	30.33	+ .14	49	46	- 1	NNE	3	C	4	50	46	0.03	
York ...	30.29	46	NNW	4	0	30.35	+ .11	45	43	- 4	N	2	0	*	57	42	0.01	
Nottingham ...	30.31	46	NNW	5	δC	30.37	+ .12	46	43	- 4	NNW	3	0	*	53	40	-	
Ardrossan ...	30.36	51	NNW	3	δ	30.36	+ .05	40	38	- 11	ESE	2	df	1	58	37	-	
Greencastle ...	30.43	50	NNE	3	C	30.37	- .04	50	49	- 1	N	1	0	*	54	46	0.02	
Donaghadee ...	30.40	52	N	6	δC	30.38	+ .01	50	50	- 3	N	2	0	2	56	49	-	
Kingstown ...	30.41	53	NNW	4	δ	30.42	+ .02	49	47	- 5	NNW	3	df	3	56	47	-	
Holyhead ...	30.35	53	N	5	C	30.38	+ .05	48	46	- 7	SW	1	C	0	57	46	-	
Liverpool (Bidston) ...	30.35	48	NNE	1	δ	30.40	+ .14	44	41	- 9	NE	1	δ	1	58	40	-	
Valencia ...	30.47	54	NNE	3	δC	30.46	- .09	49	48	- 6	NNE	1	C	1	58	43	-	
Roche's Point ...	30.43	54	N	5	C	30.46	- .02	50	47	- 4	NE	3	C	3	56	45	-	
Pembroke ...	30.34	52	N	5	δ	30.40	+ .05	47	44	- 8	E	1	0	1	58	45	-	
Portishead ...	30.21	56	NNW	4	C	30.39	+ .16	41	41	- 13	Z	0	δ	1	61	35	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.25	55	NNW	2	δC	30.38	+ .06	43	41	- 11	Z	0	f	*	60	40	-	
Hurst Castle ...	30.17	56	N	3	δC	30.31	+ .11	45	43	- 10	N	3	δ	3	57	38	-	
Dover ...	30.13	49	N	6	δC	30.22	+ .12	47	45	- 6	NNW	5	δC	2	54	45	-	
London ...	30.21	49	N	4	δC	30.32	+ .14	45	42	- 7	NNE	3	δ	*	54	42	-	
Oxford ...	*	*	*	*	*	30.34	+ .14	44	40	- 9	N	2	δ	*	55	37	-	
Cambridge ...	30.22	45	N	3	δ	30.31	+ .15	45	43	- 5	NNW	3	δC	*	55	40	0.03	
Yarmouth ...	30.12	47	NNW	6	δC	30.24	+ .17	49	48	- 2	NNE	6	cyw	5	52	48	-	
The Helder ...	*	*	*	*	*	30.15	+ .26	49	46	- 3	NE	1	C	*	*	*	0.24	
Cape Gris Nez ...	30.06	48	NNE	8	T	30.20	+ .12	46	46	- 8	NNE	7	T	5	55	45	0.12	
Jersey ...	30.19	55	NNE	6	C	30.30	+ .05	50	45	- 6	NE	5	C	4	59	48	-	
Brest ...	30.29	?	NNE	4	0	30.38	+ .02	48	45	- 7	NNE	2	0	2	59	43	-	
L'Orient ...	30.20	57	NE	5	0	30.25	- .03	48	45	- 6	N	4	C	3	59	45	-	
Rochefort ...	30.05	59	NNW	4	0	30.20	- .01	48	45	- 6	NNW	5	δ	4	?	45	-	
Biarritz ...	30.07	61	NE	4	T	30.16	- .11	46	43	- 6	NE	4	δ	4	61	45	0.04	
Corunna ...	*	*	*	*	*	...	...	...	...	...	...	...	...	...	*	*	*
Brussels ...	*	*	*	*	*	30.15	+ .20	44	*	- 7	N	3	δC	*	*	*	0.17	
Charleville ...	*	*	*	*	*	30.26	+ .20	40	*	- 11	E	3	C	*	*	*	*	
Paris ...	30.05	50	N	5	C	30.17	+ .10	46	44	- 7	N	3	δC	*	*	*	-	
Lyons ...	*	*	*	*	*	29.98	- .12	49	*	- 1	N	7	C	*	*	*	*	
Toulon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.99	45	39	NNW	8	δC	3	Valencia	30.50	56	52	N	3	C	4
Thurso	30.35	47	43	N	5	C	5	Scilly							
Scarborough ...	30.20	48	45	N	8	Cp	6	London	30.17	53	48	NN	4	C	*
Greencastle ...	30.43	52	48	NNE	3	C	*	Rochefort ...	30.11	59	55	NNN	4	0	3
Holyhead	30.32	55	51	N	6	δ	5								

Weather is cloudy generally, with showers at Scarborough. Wind remains N⁴ and still blows a gale in Yorkshire. The mercury has risen slightly in the N. and NW but has fallen elsewhere.

EXPLANATION OF COLUMNS.

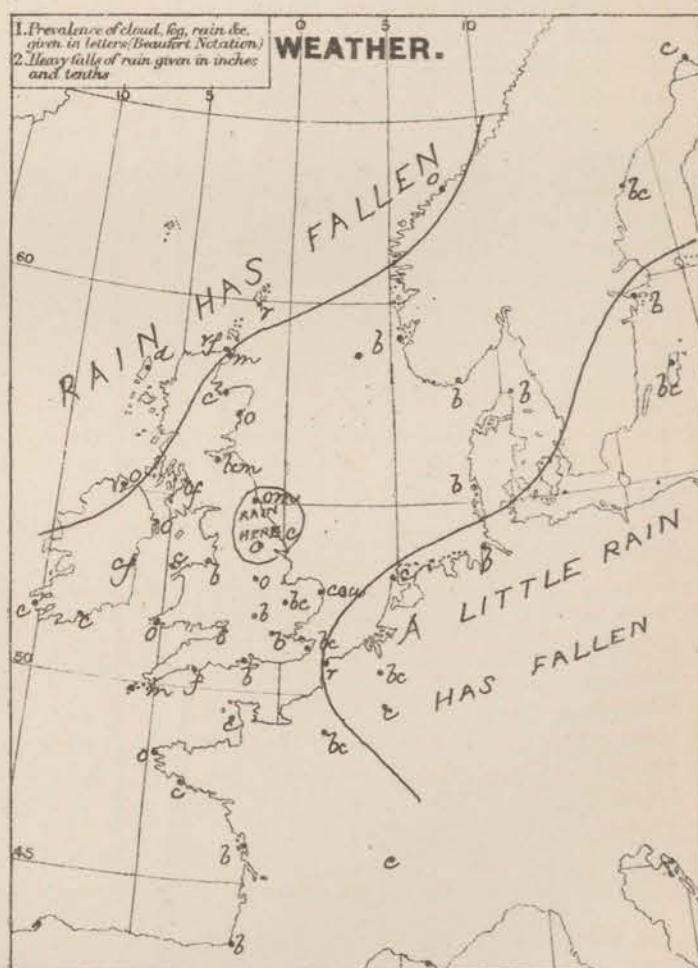
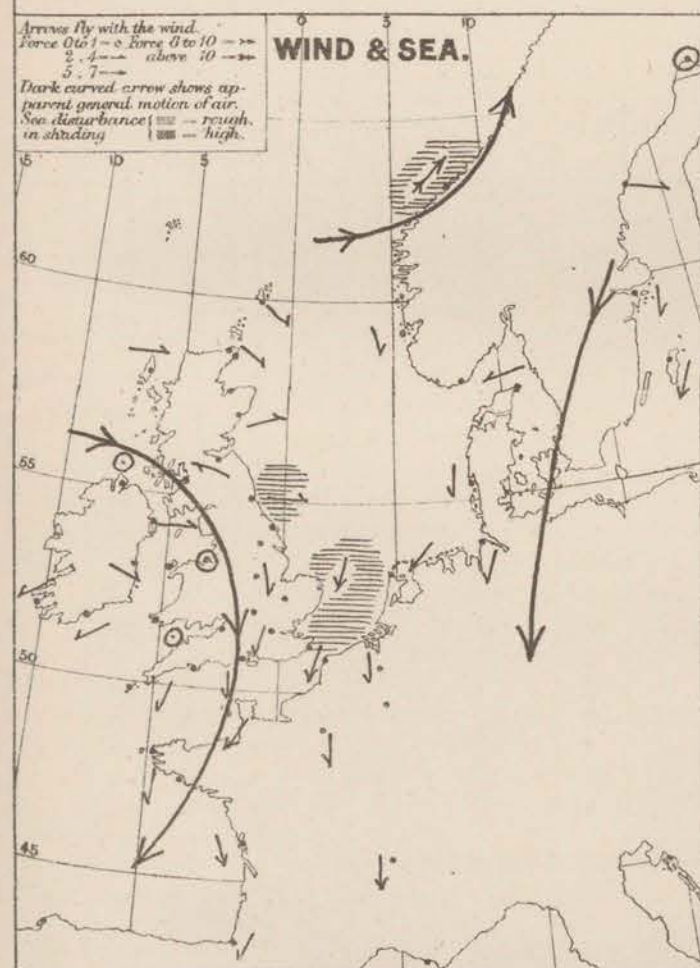
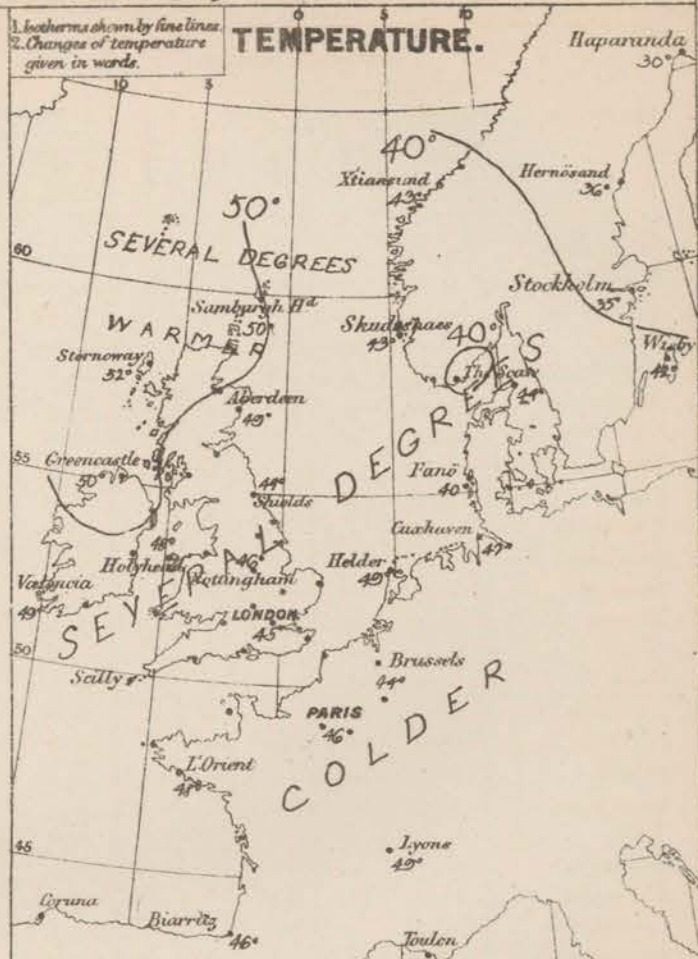
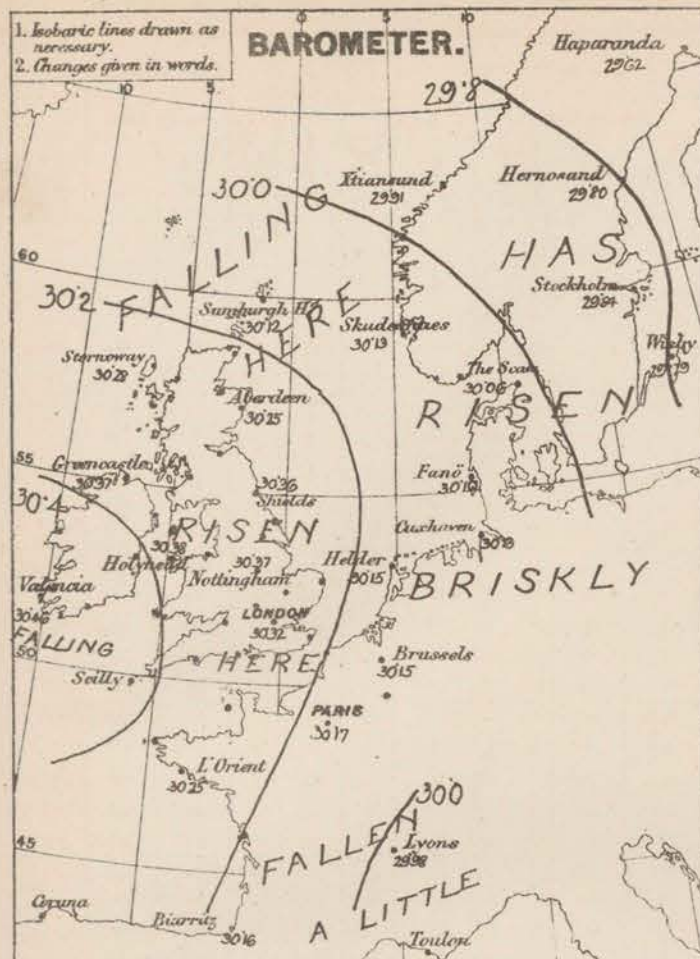
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 9TH OCT^R 1877.



REMARKS. Weather is clear on the eastern shores of the North Sea as well as over the south east of England but is cloudy elsewhere, with fog at the mouth of the Channel and at some of our northern stations; rain at Limerick, &c., Thurso and Stornoway. Rain fell during yesterday at many of our more northern stations and over the Netherlands. Temperature has risen several degrees in the extreme north of Scotland, but has fallen just over England and France; the change at some of our southern stations exceeding 10° ; it now varies from 40° to 53° over Scotland, from 49° to 50° over Ireland, and from 41° to 49° over England; the highest reading over these Islands and France being 53° at Mirk. Wind is blowing a fresh gale at Christiansund, but is moderate or light from W. to NW at our northern stations and in the south of Scandinavia, light to strong from N. to NE over England and France; in the Straits of Dover and at the mouth of the Thames the wind is strong. Sea is rough off Christiansund, rather so at Shields, Cape Grizby and Lymouth, moderate to smooth elsewhere. Barometrical Indications Pressure is now giving way on our northern coasts and at Christiansund, but is rising elsewhere; it is highest to the NW of Ireland, and lowest over the Baltic, but a separate area of low readings apparently lies over the mid east of France. Warming animals have now lowered on all coasts.

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

DAILY WEATHER REPORT

Oct 10th

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 ...	29.56	29	Z	0	δ	29.59	-.03	30	29	0	Z	0	0	*	*	*	-	
Hernösand ...	29.64	45	NNW	2	0	29.64	-.16	45	44	+ 9	W	2	0	*	*	*	0.08	
Stockholm ...	29.83	41	SW	4	δ	29.76	-.08	42	41	+ 7	SSW	4	f	*	*	*	-	
Wisby ...	29.95	44	N	6	δ	29.93	+.14	44	42	+ 2	WSW	8	c	*	*	*	-	
Christiansund ...	29.71	46	SW	9	0	29.58	-.33	50	46	+ 7	SW	6	c	6	?	41	0.39	
Skudesnaes ...	30.03	50	SSE	2	δ	29.82	-.31	51	51	+ 8	WSW	4	f	3	?	43	0.47	
Oxö (Xiansand) ...	30.01	49	NNW	4	δc	29.88	-.10	53	51	+ 14	SW	5	0	3	?	39	-	
Skagen (The Seaw) ...	30.04	45	N	4	δ	29.87	-.19	51	50	+ 7	NNW	6	0	6	52	39	-	
Fanö ...	30.14	45	WSW	2	c	30.08	-.07	50	49	+ 10	WSW	4	c	*	50	39	-	
Cuxhaven ...														*				
Sumburgh Head ...	30.00	50	NNW	4	0	29.64	-.45	51	49	+ 1	WSW	4	c	4	52	48	0.18	
Stornoway ...	30.11	53	WSW	3	δ	29.60	-.68	51	50	- 1	SW	6	du	5	56	47	0.05	
Thurso ...	30.09	53	W	1	0	29.66	-.55	50	49	- 2	SSW	2	du	3	55	49	0.06	
Wick ...	30.06	55	NNW	3	0	29.67	-.34	54	52	+ 1	SSW	2	0	2	57	48	-	
Nairn ...	30.18	54	Z	0	0	29.76	-.33	51	48	+ 1	NNW	4	0	2	58	50	-	
Aberdeen ...	30.14	54	Z	0	0	29.77	-.48	50	49	+ 1	SSW	2	δc	1	59	47	0.02	
Leith ...	30.20	51	WSW	3	0	29.86	-.47	50	48	+ 9	WSW	3	0	*	56	40	-	
Shields ...	30.25	49	SW	2	c	29.95	-.41	51	48	+ 7	W	1	of	3	54	44	-	
Scarborough ...	30.28	46	WSW	1	0	30.02	-.31	47	46	- 2	WSW	2	0	2	50	43	-	
York ...	30.29	47	S	2	0	30.03	-.32	48	46	+ 3	S	2	0	4	52	41	-	
Nottingham ...	30.32	46	Z	0	0	30.10	-.27	46	45	0	S	3	0	*	52	40	-	
Ardrossan ...	30.24	53	NNW	1	0	29.90	-.46	52	50	+ 12	SW	4	d	4	55	40	0.04	
Greencastle ...	30.04	52	W	2	0	29.86	-.57	50	50	+ 1	SW	3	du	*	54	48	0.02	
Donaghadee ...	30.33	51	W	3	c	29.96	-.42	50	50	0	WSW	2	0	1	53	48	-	
Kingstown ...	30.33	52	W	1	0	30.05	-.37	52	48	+ 3	SW	3	0	2	55	48	-	
Holyhead ...	30.30	52	Z	0	W	30.05	-.33	52	48	+ 4	WSW	4	0	3	55	47	-	
Liverpool (Bidston) ...	30.30	49	NNW	1	0	30.05	-.35	50	48	+ 6	SSW	1	0	1	52	44	-	
Valencia ...	30.35	53	S	1	0	30.06	-.40	54	53	+ 5	WSW	4	od	5	56	48	0.05	
Roche's Point... ..	30.37	50	NNW	2	c	30.10	-.26	53	51	+ 3	W	2	0	3	55	45	-	
Pembroke ...	30.33	53	NNW	1	0	30.12	-.28	53	51	+ 6	SW	4	0	3	56	47	-	
Portishead ...	30.32	53	NNW	1	δc	30.13	-.26	47	45	+ 6	SW	4	0	3	57	37	-	
Scilly ...																		
Plymouth ...	30.33	50	Z	0	δ	30.20	-.18	45	44	+ 2	Z	0	f	*	57	39	-	
Hurst Castle ...	30.28	52	N	1	δ	30.19	-.12	45	44	0	N	1	c	1	54	39	-	
Dover ...	30.28	50	N	4	δ	30.18	-.14	47	45	0	WSW	2	δ	1	55	44	-	
London ...	30.31	51	N	3	c	30.18	-.14	41	40	- 4	W	1	cf	*	53	38	-	
Oxford ...	*	*	*	*	*	30.15	-.19	44	42	0	Z	0	W	*	53	40	-	
Cambridge ...	30.31	48	N	1	0	30.15	-.16	44	43	- 1	SW	1	0	*	55	39	-	
Yarmouth ...	30.27	50	NNW	2	δc	30.16	-.18	46	45	- 3	SW	2	cm	2	53	41	-	
The Helder ...	*	*	*	*	*	30.18	+.03	47	46	- 2	S	1	0	*	*	*	-	
Cape Gris Nez ...	30.26	48	NE	2	δ	30.19	-.01	46	46	0	SSW	1	δ	1	55	46	0.20	
Jersey ...	30.31	52	NNE	4	c	30.24	-.06	51	48	+ 1	Z	0	cm	0	55	48	-	
Brest ...																		
L'Orient ...	30.29	52	NE	3	δc	30.25	.00	48	46	0	E	2	δc	2	59	43	-	
Rochefort ...	30.17	57	NNE	5	c	30.19	-.01	45	43	- 3	NE	4	δ	3	68	43	-	
Biarritz ...	30.17	59	NNE	5	0	30.19	+.03	45	41	- 1	ENE	1	δ	4	?	39	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.23	+.08	43	*	- 2	N	6	0	*	*	*	-	
Charleville ...	*	*	*	*	*	30.16	+.10	33	*	- 7	SSE	3	c	*	*	*	*	
Paris ...	30.21	51	NE	3	δ	30.24	+.07	40	*	- 6	NE	3	f	*	*	*	-	
Lyons ...	*	*	*	*	*	30.11	+.13	46	*	- 3	N	6	δ	*	*	*	*	
Toulon ...	?	55	NNW	5	δ	?	?	52	?	?	Z	0	δ	5	60	48	?	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.10	48	45	WSW	2	0	Valencia ...	30.40	55	51	NE	?	0
Thurso ...	30.16	54	53	NNW	2	0	Scilly ...						
Scarborough ...	30.31	50	47	N	1	0	London ...	30.31	53	49	N	3	c
Greencastle ...	30.31	52	51	SW	2	0	Rochefort ...	30.19	54	50	NNE	5	δc
Holyhead ...	30.36	54	50	NNW	1	c							

Weather is cloudy or dull everywhere. Wind has backed to SW over Scotland, and the barometer is falling on all coasts - briskly at Stornoway.

EXPLANATION OF COLUMNS.

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

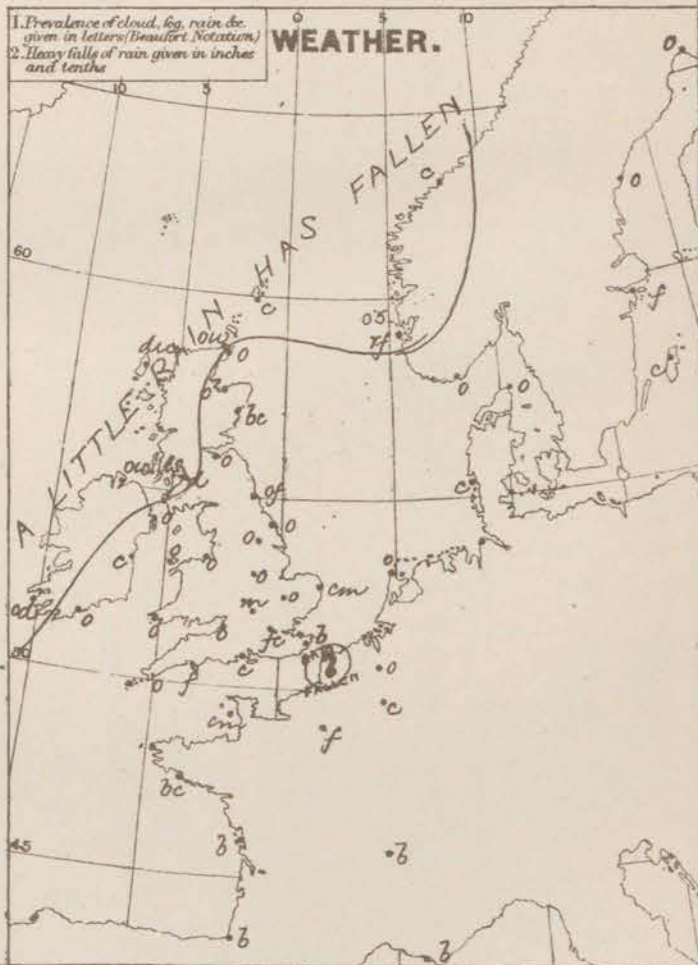
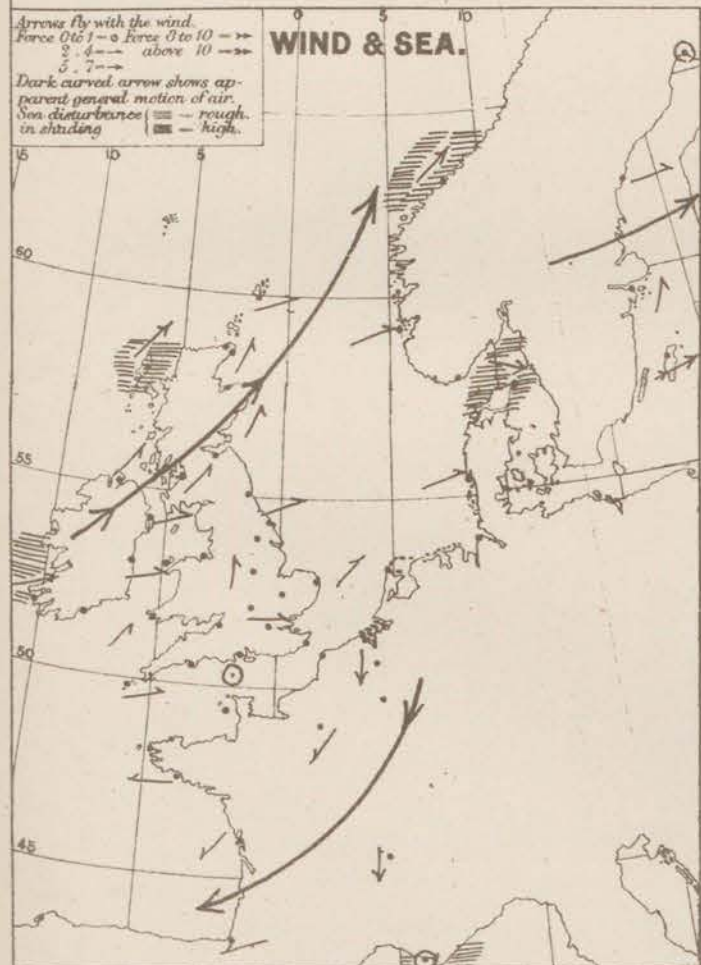
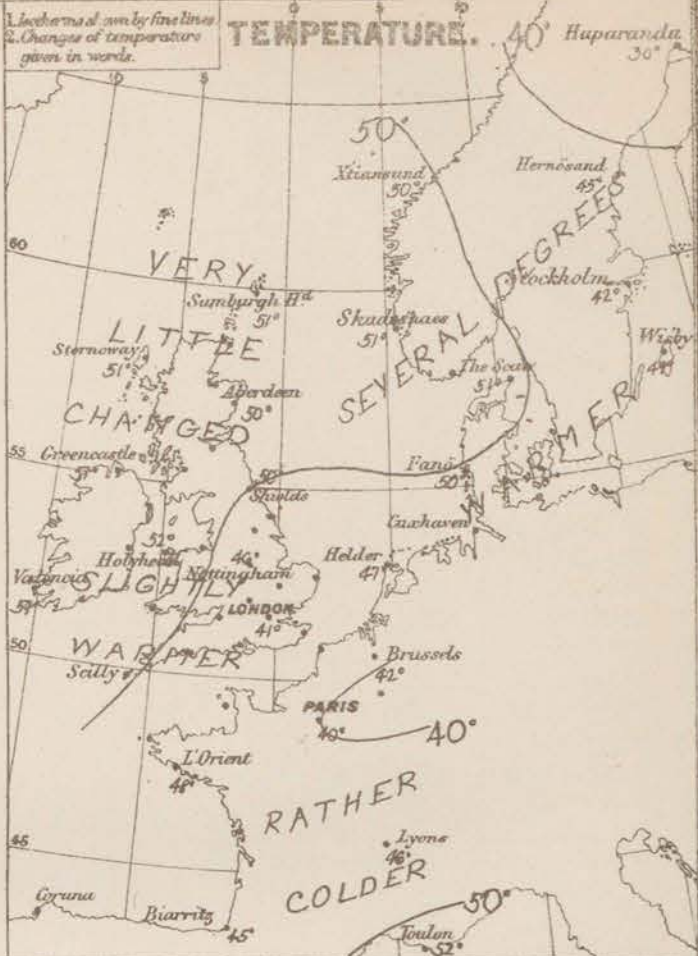
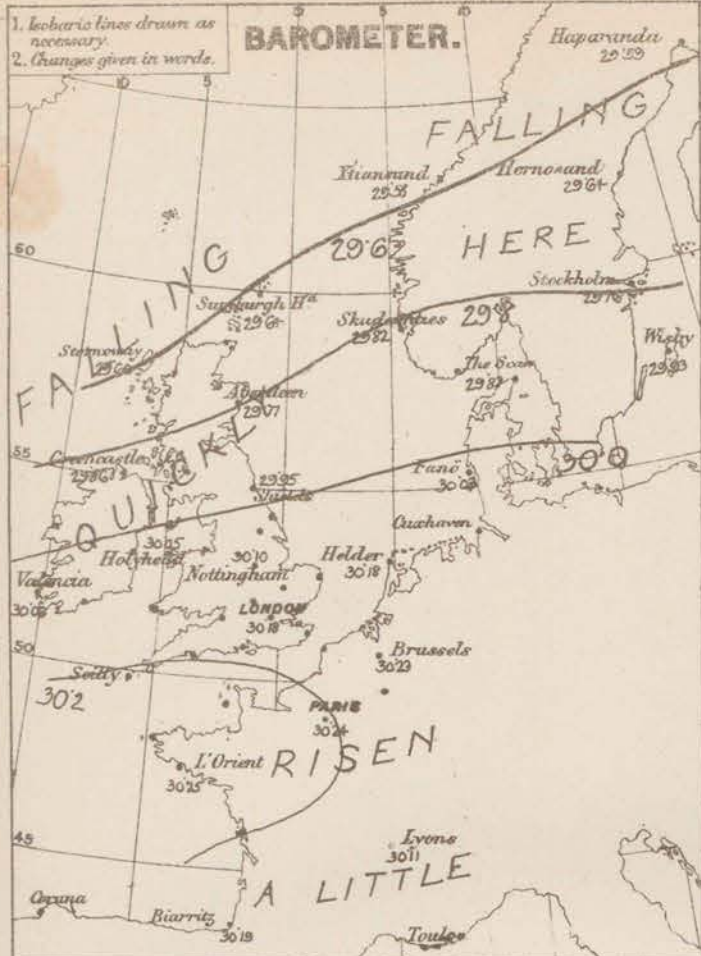
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† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS

for 8 a.m. on Wednesday 10th OCT^r 1877.



REMARKS. Weather is fine over the greater part of France, but is dull or cloudy over these Islands and Scandinavia, with drizzling rain at Norway, Andorra and Valencia, fog at Shields, Paris and the mouth of the Channel; and a very threatening appearance at all the north western stations. Rain has fallen at our extreme western and northern stations and in the west of Norway. Temperature has fallen over France (where it is now very low) and at our south eastern stations but has risen briskly in most other places; it varies from 50° to 54° over Ireland and Scotland, from 41° to 53° over England, and from 40° to 52° over France; the minima over Central England last night were again about 40°. Wind is light from E over the Bay of Biscay but is W^y to SW^y on our coasts and over the North Sea; in most places it is light or moderate in force, but both at Norway and Christiansund blows strongly. Sea is rough in the extreme west and north west, slight or smooth on our other coasts.

Barometrical Indications. The mercury has risen slightly at the French stations but has fallen elsewhere, the change varying over these Islands from seven tenths of an inch in the Hebrides to less than one tenth in the south east. A large depression lies apparently off the north west coast of Scotland.

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116, Victoria Street, Westminster, S. W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT OCT 11 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° E. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° E. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.				
			Dir.	Force. (0 to 12).				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.		
Haparanda ...	29.45	41	SE	4	0	29.56	- .23	41	40	+ 11	S	4	0	*	*	*	-		
Hernösand ...	29.57	46	SW	4	0	29.29	- .35	48	46	+ 3	SSW	4	0	*	*	*	-		
Stockholm ...	29.65	50	E	2	0	29.55	- .21	48	46	+ 6	SSW	6	0	*	*	*	-		
Wisby ...	29.84	47	SW	6	0	29.72	- .21	47	46	+ 3	SW	8	0	*	*	*	0.04		
Christiansund ...	29.21	49	E.N.E	2	0	29.07	- .57	45	42	- 5	SW	4	0	5	52	43	-		
Skudesnaes ...	29.49	51	S	6	0	29.33	- .49	47	44	- 4	WSW	6	0	5	52	?	0.47		
Oxö (Klansand) ...	29.65	51	SW	6	+	29.33	- .35	49	46	- 4	WSW	4	0	3	?	46	-		
Skagen (The Seaw) ...	29.73	50	SW	5	0	29.40	- .47	50	49	- 1	SW	7	m	6	54	46	0.04		
Fanö ...	29.77	52	WSW	6	0	29.50	- .53	53	52	+ 3	SW	6	+	*	54	50	0.04		
Cuxhaven ...	30.02	+	SW	2	0	29.67	- .47	47	46	- 2	SW	5	0	*	52	?	-		
Sumburgh Head ...	29.28	47	NNW	6	+	29.08	- .56	42	40	- 9	WSW	6	0	6	52	40	0.28		
Stornoway ...	29.49	44	NNW	5	+	29.30	- .30	40	38	- 11	NNW	7	3	6	54	36	0.59		
Thurso ...	29.40	46	WSW	4	+	29.25	- .41	39	38	- 11	WSW	5	pg	5	56	37	0.19		
Wick ...	29.44	45	SW	3	0	29.28	- .39	39	38	- 15	SW	5	+	2	56	36	0.07		
Nairn ...	29.45	49	NNW	4	0	29.41	- .35	39	37	- 12	NNW	4	0	3	58	39	0.05		
Aberdeen ...	29.46	52	SW	5	0	29.43	- .34	40	37	- 10	WSW	3	0	1	54	37	0.03		
Leith ...	29.52	55	SW	4	+	29.57	- .29	42	39	- 8	SW	4	0	*	57	38	0.02		
Shields ...	29.67	54	WSW	5	+	29.69	- .26	41	39	- 10	W	4	0	2	55	40	0.02		
Scarborough ...	29.72	52	WSW	5	0	29.73	- .29	46	43	- 1	WSW	3	0	3	53	42	-		
York ...	29.80	52	SW	4	0	29.87	- .16	46	43	- 2	W	5	0	*	54	42	0.01		
Nottingham ...	29.87	52	S	3	0	29.87	- .23	46	43	0	?WSW	3	0	*	54	39	0.03		
Ardrossan ...	29.83	52	NNW	5	+	29.62	- .28	47	42	- 5	NNW	8	bcy	6	55	44	0.35		
Greencastle ...	29.70	48	W	3	0	29.71	- .15	46	42	- 5	W	5	+	*	55	39	0.65		
Donaghadee ...	29.70	52	SW	4	+	29.77	- .19	43	42	- 7	SW	3	bc	2	53	40	0.09		
Kingstown ...	29.98	57	WSW	4	0	29.91	- .14	46	42	- 6	W	4	0	4	59	45	0.05		
Holyhead ...	29.80	56	SW	6	+	29.89	- .16	49	44	- 3	W	6	bc	5	57	45	0.11		
Liverpool (Bidston) ...	29.79	55	SW	3	0	29.83	- .22	49	45	- 1	W	7	bc	5	56	48	0.13		
Valencia ...	29.98	54	NNW	5	0	30.09	+ .03	50	46	- 4	NNW	4	bcy	4	59	47	0.11		
Roche's Point... ..	29.89	54	NNW	5	+	30.07	- .03	46	43	- 7	W	3	0	3	60	45	0.09		
Pembroke ...	29.91	56	SW	6	0	30.00	- .12	52	47	- 1	NNW	5	bc	4	56	50	0.13		
Portishead ...	29.97	53	SSW	4	0	29.99	- .14	47	45	0	W	4	0	4	54	44	0.16		
Seilly ...																			
Plymouth ...	30.02	54	SW	3	0	30.05	- .15	48	47	+ 3	W	1	m	*	56	45	0.05		
Hurst Castle ...	30.01	56	W	5	0	29.99	- .20	51	49	+ 6	NNW	3	0	3	57	42	0.05		
Dover ...	30.02	57	WSW	3	bc	29.86	- .32	50	48	+ 3	NNW	4	bcy	2	57	46	0.07		
London ...	30.00	53	WSW	2	om	29.93	- .25	49	47	+ 8	NNW	3	0	*	54	40	0.21		
Oxford ...	*	*	*	*	*	29.92	- .23	47	44	+ 3	W	1	0	*	53	44	0.03		
Cambridge ...	29.96	51	SW	1	0	29.88	- .27	46	44	+ 2	NNW	1	0	*	55	43	0.11		
Yarmouth ...	29.95	50	SW	2	c	29.82	- .34	48	46	+ 2	NNW	3	bcy	?	52	45	0.13		
The Helder ...	*	*	*	*	*	29.69	- .49	52	51	+ 5	NNW	3	+	*	*	*	0.08		
Cape Gris Nez ...	30.04	54	SW	2	0	29.87	- .22	52	50	+ 6	W	7	0	6	54	45	0.35		
Jersey ...	30.12	54	W	4	c	30.05	- .19	52	48	+ 1	NNW	6	bcy	4	55	57	0.09		
Brest ...	30.18	57	W	3	0	30.14	- .13	54	50	+ 7	W	3	0	3	57	48	-		
L'Orient ...	30.17	51	WSW	2	c	30.10	- .15	55	55	+ 7	W	4	m	3	61	46	-		
Rocheport ...	30.13	57	NNW	2	0	30.14	- .05	52	48	+ 7	SSW	3	0	3	64	41	-		
Biarritz ...	30.14	57	NNW	3	0	30.20	+ .01	50	45	+ 5	SSW	3	0	3	55	41	-		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.86	- .37	47	*	+ 5	SW	9	+	*	*	*	-		
Charleville ...	*	*	*	*	*	? 29.90	- .26	41	*	+ 8	SE	3	+	*	*	*	-		
Paris ...	30.12	48	N	1	bc	30.01	- .23	51	46	+ 11	SW	3	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.15	+ .04	47	*	+ 1	N	2	f	*	*	*	-		
Toulon ...	29.92	54	NNW	5	0	29.96	?	50	46	- 2	NE	1	0	5	61	?	-		

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.62	57	49	S	6	of	5	Valencia	29.92	57	57	SW	6	29	5
Thurso	29.38	55	53	SSW	4	0	4	Seilly							
Scarborough ...	29.86	57	48	SW	2	0	2	London	30.07	54	52	WSW	3	0	*
Greencastle ...	29.68	54	53	WSW	3	2	*	Rocheport ...	30.15	57	52	NNW	1	bc	3
Holyhead	29.91	57	54	SW	5	0	4								

Pressure continues to give way on all coasts—quickly in the North—and gradients have become steep.
 Wind is strong from SW in the West.
 Happings have been sent to our W^{est} and N^{orth} coasts.

EXPLANATION OF COLUMNS.

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

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

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

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

DAILY WEATHER REPORT

OCT. 12TH

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 ...	29.27	43	S	4	r	29.28	- .08	42	41	+	1	SE	6	0	*	*	*	0.08	
Hernösand ...	29.14	46	S	8	r	29.05	- .24	43	42	-	5	SSW	2	0	*	*	*	0.24	
Stockholm ...	29.33	45	SSW	6	r	29.21	- .34	41	40	-	7	WSW	4	0	*	*	*	0.24	
Wisby ...	29.45	44	SW	6	r	29.34	- .38	43	41	-	4	WSW	6	0	*	*	*	0.24	
Christiansund ...	28.97	42	SW	2	b	28.89	- .18	42	36	-	3	S	4	80	6	46	36	-	
Skudesnaes ...	29.20	45	WSW	7	0	29.19	- .14	43	39	-	4	WSW	6	0	5	42	?	0.05	
Oxö (Xtiansand) ...	29.28	44	NNE	4	c	29.25	- .08	41	39	-	8	WSW	4	c	3	?	37	-	
Skagen (The Scau) ...	29.34	42	W	5	bc	29.28	- .12	41	39	-	9	WSW	4	c	4	?	36	0.71	
Fanö ...	29.46	?	W	8	c	29.42	- .08	42	40	-	4	NW	6	r	*	54	41	0.55	
Cuxhaven ...	29.67	42	W	6	b	29.57	- .10	46	46	-	1	WSW	6	5	*	52	43	0.39	
Sumburgh Head ...	29.12	38	W	4	0	29.21	+ .13	41	36	-	1	NW	8	80	7	48	35	0.15	
Stornoway ...	29.40	37	W	5	5	29.57	+ .27	37	37	-	3	NW	6	80	6	45	33	0.47	
Thurso ...	29.30	40	WSW	5	5	29.45	+ .20	38	37	-	1	NW	5	8	6	44	36	0.62	
Wick ...	29.31	37	NW	6	r	29.44	+ .16	35	35	-	4	NNW	2	0	2	43	33	0.32	
Nairn ...	29.42	36	NW	2	r	29.56	+ .15	35	34	-	4	NNW	2	0	2	44	?	0.32	
Aberdeen ...	29.43	40	W	3	b	29.57	+ .08	39	35	-	1	W	6	8	1	47	36	-	
Leith ...	29.56	42	W	3	c	29.67	+ .10	39	36	-	3	NNW	3	8	*	50	35	0.20	
Shields ...	29.66	44	W	6	b	29.73	+ .04	43	39	+	2	NNW	6	8	2	48	39	0.02	
Scarborough ...	29.73	44	WSW	2	b	29.77	+ .04	42	40	-	4	W	2	8	2	50	40	0.06	
York ...	29.75	42	W	5	bc	29.80	+ .03	43	41	-	3	W	4	8	*	53	39	0.21	
Nottingham ...	29.84	47	WSW	4	b	29.88	+ .01	45	43	-	1	SW	3	8	*	55	39	-	
Ardrossan ...	29.61	49	NNW	6	bc	29.73	+ .11	46	41	-	1	NW	5	80	4	50	41	0.25	
Greencastle ...	29.70	43	W	4	0	29.82	+ .11	42	40	-	4	NNW	2	c	*	50	?	0.43	
Donaghadee ...	29.80	44	W	4	0	29.84	+ .07	41	40	-	2	NNW	3	bc	2	48	39	0.12	
Kingstown ...	29.89	50	W	4	c	29.94	+ .03	46	43	0		NNW	4	c	4	54	45	-	
Holyhead ...	29.87	51	W	5	c	29.92	+ .03	48	45	-	1	NNW	5	c	4	?	48	0.02	
Liverpool (Bidston) ...	29.80	47	W	6	r	29.87	+ .04	47	44	-	2	W	7	c	5	52	45	0.37	
Valencia ...	30.03	52	W	5	c	30.02	- .07	51	48	+	1	NW	1	80	2	57	48	0.16	
Roche's Point... ..	30.05	50	NW	4	bc	30.04	- .03	50	47	+	4	W	3	80	3	56	47	-	
Pembroke ...	29.95	53	W	7	0	29.98	- .02	52	49	0		NNW	4	c	3	54	50	0.01	
Portishead ...	29.96	52	WSW	4	bc	29.96	- .03	51	48	+	4	WSW	3	c	3	57	45	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.05	52	W	1	0	30.04	- .01	50	49	+	2	Z	0	f	*	57	46	0.01	
Hurst Castle ...	29.97	54	NNW	4	0	30.00	+ .01	54	53	+	3	NNW	4	8	4	56	48	-	
Dover ...	?	51	W	3	b	29.93	+ .07	47	45	-	3	WSW	3	8	2	54	45	-	
London ...	29.95	53	W	2	bc	29.96	+ .03	47	45	-	2	W	2	8	*	56	44	-	
Oxford ...	*	*	*	*	*	29.92	.00	48	45	+	1	W	1	8	*	55	44	-	
Cambridge ...	29.90	47	SW	1	bc	29.89	+ .01	46	44	0		SW	1	8	*	56	40	-	
Yarmouth ...	29.84	48	WSW	3	b	29.84	+ .02	47	45	-	1	W	4	80	2	53	?	-	
The Helder ...	*	*	*	*	*	29.69	.00	51	48	-	1	WSW	5	r	*	*	*	0.39	
Cape Gris Nez ...	29.97	54	NNW	5	0	29.95	+ .08	52	48	0		W	6	c	5	55	50	-	
Jersey ...	30.12	54	NW	5	bc	30.01	- .04	55	57	+	3	WSW	5	c	4	56	50	0.03	
Brest ...	30.21	?	NW	3	0	30.19	+ .05	55	54	+	1	NNW	4	0	4	59	52	-	
L'Orient ...	30.19	54	NNE	2	c	30.19	+ .09	55	50	0		NW	3	c	3	63	48	-	
Rochefort ...	30.15	57	W	6	0	30.19	+ .05	55	52	+	3	NW	3	0	3	66	41	-	
Warriz ...	30.22	59	WSW	2	0	30.23	+ .03	55	52	+	5	SSW	1	0	3	59	46	-	
Corunna ...	*	*	*	*	*	...	...	...	...	...	...	...	...	...	...	*	*	*
Brussels ...	*	*	*	*	*	29.92	+ .06	47	*	0		SW	6	80	*	*	*	0.26	
Charleville ...	*	*	*	*	*	29.93	+ .03	44	*	+	3	SW	3	c	*	*	*	*	
Paris ...	30.08	52	NW	3	b	30.09	+ .08	50	46	-	1	W	2	80	*	*	*	-	
Lyons ...	*	*	*	*	*	30.19	+ .04	54	*	+	7	SE	?	0	*	*	*	*	
Tonlon ...	29.94	57	NW	5	b	29.97	+ .01	50	?	0		NW	6	c	6	59	50	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.22	45	41	WSW	6	0	5	Valencia	30.06	55	50	W	4	80	5
Thurso	29.28	43	41	WSW	5	Shp	6	Scilly							
Scarborough ...	29.73	46	43	WSW	4	bc	3	London	29.96	56	52	NNW	4	80	*
Greencastle ...	29.70	49	44	W	5	cq	*	Rochefort ...	30.15	59	55	W	5	0	3
Holyhead	29.88	55	47	W	6	c	5								

Pressure has fallen slightly in the N. with cloudy and squally weather, and the N^W winds continue strong. Sea is rough in the N. and N.

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.

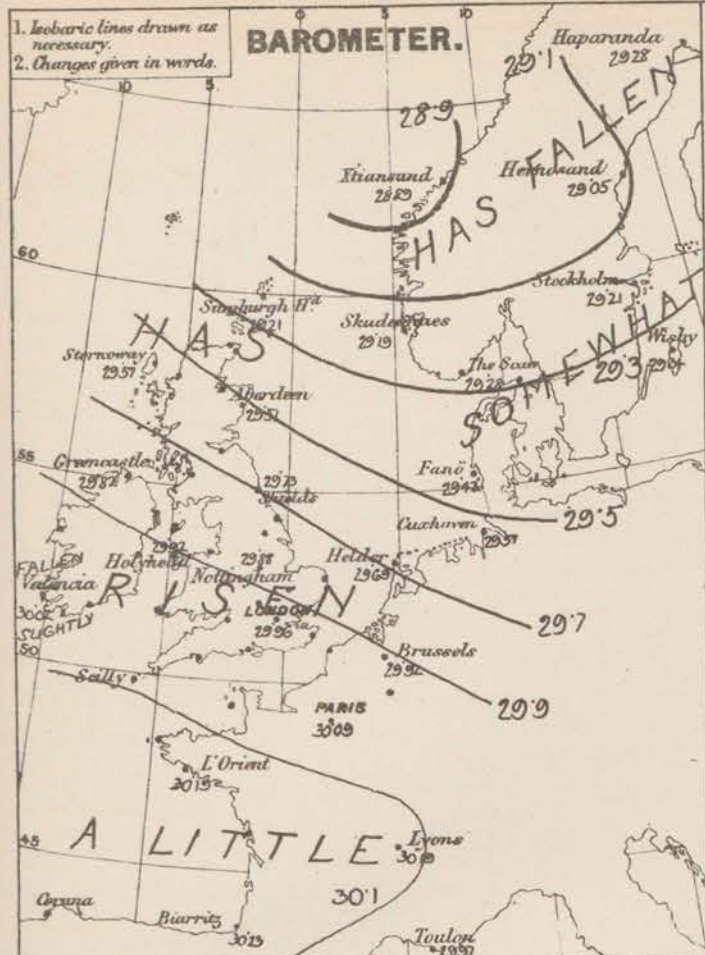
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. in France.

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 on 8 a.m. on Friday 12th OCT^r 1877.

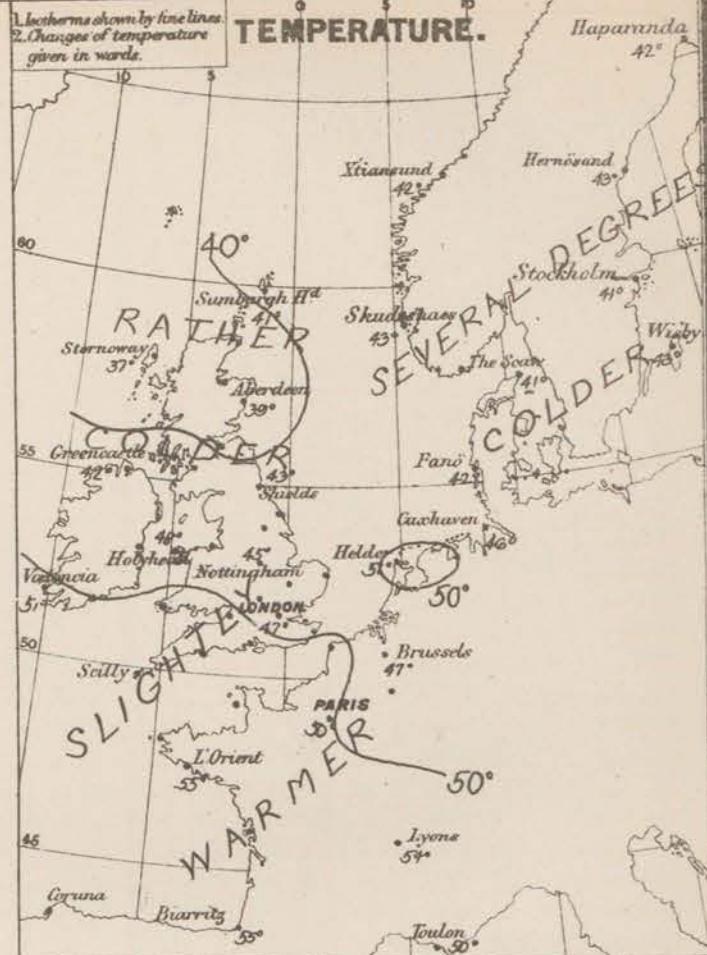
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



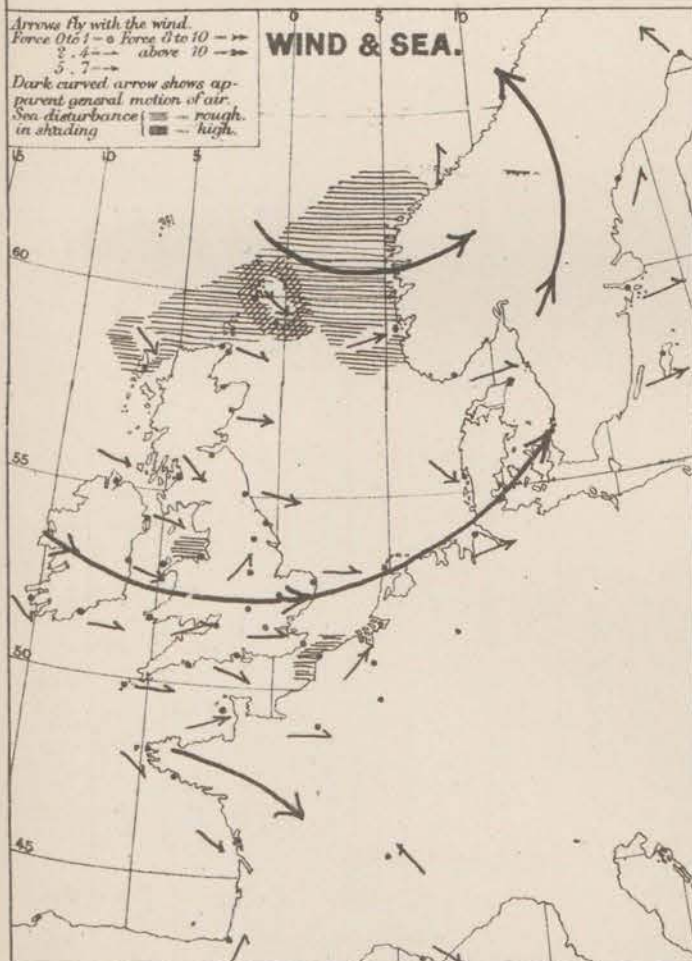
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



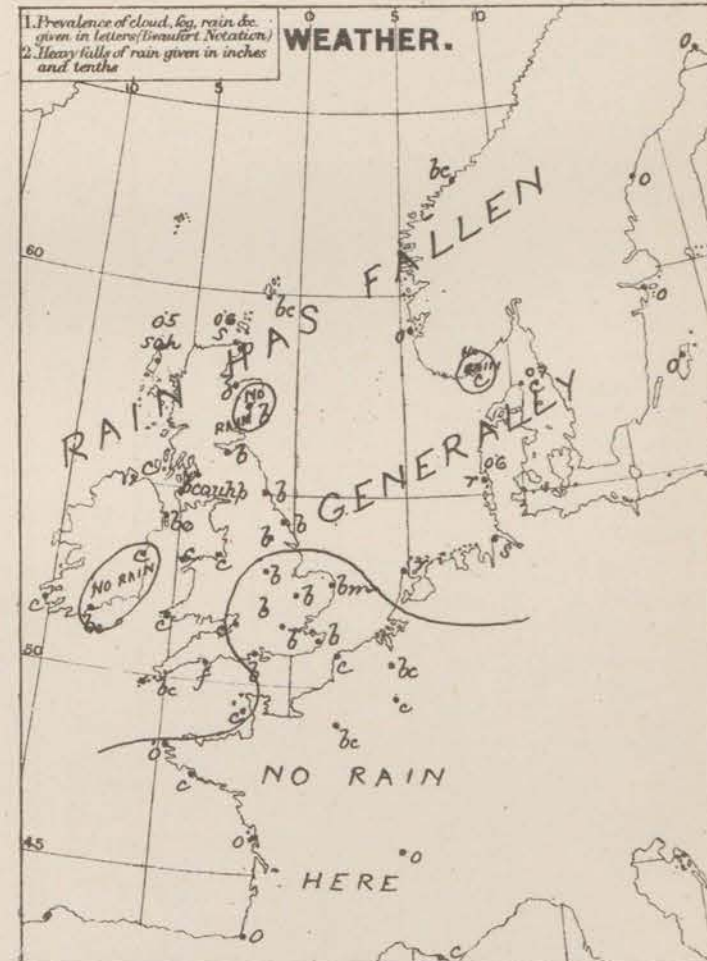
1. Arrows fly with the wind. Force 0 to 10 — 2, 4, 6, 8, 10 — above 10 — 2, 4, 6, 8, 10 —
2. Dark curved arrow shows apparent general motion of air.
3. Sea disturbance: rough in shading, high in solid.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is fine over England and the east of Scotland, but cloudy or dull elsewhere; in the north and west of Scotland it is very unsettled, with showers of hail and snow; in north Germany also rain and snow are falling. Rain has fallen during the past 24 hours except in France and the south east of England, while in Scotland heavy showers of hail, rain and snow have occurred, accompanied by thunder and lightning in many places. Snow was seen at a few stations last night. Temperature has fallen generally - most on the eastern shores of the North Sea, and is now as low as 35° in the north of Scotland; it varies from 35° to 46° in Scotland, from 41° to 51° in Ireland, and from 42° to 54° over England. Wind is W to NW on our coast and the French coast but drives into SW in the north of Scandinavia and into S. in the Gulf of Bothnia; it is strong in force except in the south, and blows a fresh gale in the Netherlands. Sea is high in the north, moderate to slight on our other coasts.

Barometrical Indications. The centre of the depression noticed yesterday now lies near Christiansund, and the barometer is recovering over these islands and France, though it still falls over Norway, Sweden and Denmark. Gradients are very steep over the North Sea. The Warning Signals have been lowered in the west and north.

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

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

DAILY WEATHER REPORT OCT 13TH 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 ...	29.12	37	SSE	6	†	29.19	-.09	39	38	-.3	S	4	0	*	4.3	3.4	0.24	
Hernösand ...	29.08	37	S	2	0	29.15	+.10	31	30	-.12	SW	2	0	*	*	*	-	
Stockholm ...	29.24	39	SW	4	0	29.33	+.12	37	36	-.4	SSW	2	0	*	*	*	-	
Wisby ...	29.37	41	SW	6	0	29.43	+.09	44	41	+.1	W	8	0	*	*	*	-	
Christiansund ...	28.92	41	SW	7	†	29.19	+.30	42	39	0	WSW	9	†	8	4.5	3.4	0.51	
Skudesnaes ...	29.31	44	W	8	0	29.56	+.37	44	40	+.1	W	4	0	4	4.5	4.3	0.08	
Oxö (Xtiansand) ...	29.36	40	NNW	8	0	29.54	+.29	44	40	+.3	W	6	0	3	4.5	3.7	-	
Skagen (The Seaw) ...	29.39	43	NNW	9	0	29.56	+.28	45	40	+.4	NNW	7	0	8	4.6	4.1	0.08	
Fanö ...	29.65	46	NNW	8	0	29.74	+.32	48	44	+.6	WSW	4	0	*	4.8	3.9	0.16	
Cuxhaven ...	29.71	42	NNW	6	†	29.88	+.31	46	46	0	SW	3	0	*	4.6	4.1	0.24	
Sumburgh Head ...	29.42	40	NNW	9	†	29.34	+.13	41	39	0	SE	5	†	5	4.4	3.5	0.06	
Stornoway ...	29.67	38	SW	2	0	29.02	-.55	49	48	+.12	SW	6	0	5	4.4	3.5	0.17	
Thurso ...	29.63	40	NNW	5	0	29.18	-.17	43	42	+.5	SSE	5	†	4	4.5	3.4	0.39	
Wick ...	29.64	35	NNW	4	0	29.21	-.23	44	44	+.9	SE	6	†	6	4.5	4.3	0.23	
Nairn ...	29.66	39	NNW	2	0	29.19	-.37	43	42	+.8	Z	0	0	1	4.4	3.4	0.26	
Aberdeen ...	29.71	41	NNW	1	0	29.24	-.27	47	46	+.8	S	2	0	1	4.7	3.8	0.36	
Leith ...	29.77	45	W	3	0	29.28	-.39	48	48	+.9	W	1	†	*	5.0	3.8	0.23	
Shields ...	29.87	46	W	3	0	29.42	-.31	57	54	+.14	WSW	3	0	2	5.7	4.2	0.31	
Scarborough ...	29.87	46	W	2	0	29.52	-.35	56	55	+.14	WSW	2	0	2	5.6	4.2	0.34	
York ...	29.91	46	W	2	0	29.56	-.34	58	55	+.15	W	5	0	2	5.9	4.2	0.24	
Nottingham ...	29.98	46	SSE	1	0	29.68	-.20	58	56	+.13	?	6	0	*	5.8	4.4	0.12	
Ardrossan ...	29.81	48	SW	3	†	29.33	-.40	57	55	+.11	SW	5	†	4	5.7	4.2	0.49	
Greencastle ...	29.77	46	SE	1	0	29.32	-.50	58	54	+.13	SW	2	†	*	5.6	4.1	0.54	
Donaghadee ...	29.83	47	SW	2	0	29.44	-.40	55	55	+.14	SW	4	0	3	5.5	4.0	0.35	
Kingstown ...	29.89	50	SSE	3	†	29.58	-.36	59	55	+.13	S	3	0	2	5.9	4.5	0.14	
Holyhead ...	29.90	51	SW	6	0	? 29.62	-.30	57	56	+.9	SSW	5	0	4	5.9	4.8	0.28	
Liverpool (Bidston) ...	29.93	49	SW	1	0	29.61	-.26	58	56	+.11	SSW	3	0	4	5.8	4.4	0.44	
Valencia ...	29.76	58	SW	7	†	29.64	-.38	58	56	+.7	SSW	7	0	6	6.0	5.0	0.37	
Roche's Point ...	29.81	52	SW	5	†	29.72	-.32	58	56	+.8	WSW	5	0	4	5.8	5.0	0.50	
Pembroke ...	29.96	53	S	4	0	29.77	-.21	58	56	+.6	SW	7	0	5	5.8	? 5.2	0.24	
Portishead ...	30.01	52	WSW	2	0	29.83	-.13	56	55	+.5	SW	7	0	4	5.7	4.9	0.13	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.06	55	SW	1	†	29.94	-.10	57	56	+.7	SW	4	0	*	6.0	4.9	0.04	
Hurst Castle ...	30.03	56	NNW	3	0	29.93	-.07	57	52	+.3	W	5	†	5	5.7	5.2	0.12	
Dover ...	30.06	50	NNW	3	0	29.90	-.03	56	54	+.9	SW	5	0	4	5.7	4.7	0.02	
London ...	30.04	52	W	1	0	29.87	-.09	57	54	+.10	WSW	5	0	*	5.7	4.6	0.15	
Oxford ...	...	...	...	...	...	29.79	-.13	56	53	+.8	SW	5	0	*	5.6	4.6	0.14
Cambridge ...	30.01	47	W	2	0	29.78	-.11	56	54	+.10	SW	3	0	*	5.7	4.4	0.07	
Yarmouth ...	29.97	46	NNW	3	0	29.74	-.10	54	53	+.7	SW	4	0	3	5.4	4.3	0.10	
The Helder ...	...	...	...	...	...	29.79	+.10	47	46	-.4	S	1	†	*	*	*	0.08
Cape Gris Nez ...	30.04	54	W	4	0	29.95	0.00	57	55	+.5	SW	8	†	6	5.7	5.1	0.08	
Jersey ...	30.04	56	W	5	0	30.07	+.06	57	54	+.2	SW	6	0	5	5.8	5.4	0.01	
Brest ...	30.21	61	WSW	3	0	30.10	-.09	57	55	+.2	SW	4	0	4	6.1	5.4	-	
L'Orient ...	30.21	55	NNW	3	0	30.10	-.09	57	54	+.2	SW	3	0	3	6.4	5.2	-	
Rochefort ...	30.25	61	NNW	3	0	30.18	-.01	48	46	-.7	SE	4	0	3	6.6	4.3	-	
Biarritz ...	30.23	61	Z	0	0	30.12	-.11	48	46	-.7	ESE	4	0	4	6.4	4.5	-	
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	29.93	+.01	50	...	+.3	SW	6	0	*	*	*	0.02
Charleville ...	...	...	...	...	...	? 30.07	+.14	49	...	+.5	E	3	0	*	*	*	*
Paris ...	30.14	55	NNW	3	0	30.17	+.08	47	47	-.3	SSE	3	0	*	*	*	-	
Lyons ...	...	...	...	...	...	30.21	+.02	46	...	-.8	NE	1	0	*	*	*	*
Toulon ...	30.05	59	NNW	7	0	30.23	+.26	55	52	+.5	E	4	0	3	6.6	5.0	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.80	44	37	W	8	ch	6	Valencia	29.89	52	57	SSE	4	tg	4
Thurso	29.55	44	40	NN	6	opgr	6	Scilly							
Scarborough ...	29.84	49	44	NNN	3	c	3	London	30.01	55	57	W	3	0	*
Greencastle ...	29.85	48	48	W	2	o	*	Rochefort ...	30.25	63	57	NNN	2	o	o
Holyhead	29.97	52	47	WSN	4	cm	3								

Pressure is giving way again in the SW, but still rises elsewhere, the wind has backed to SSE. at Valencia with rain, but on our other coasts. W² to NW⁴ breezes still continue, and hail showers are again reported from Caithness. Warnings sent to our N. and A. coasts.

EXPLANATION OF COLUMNS.

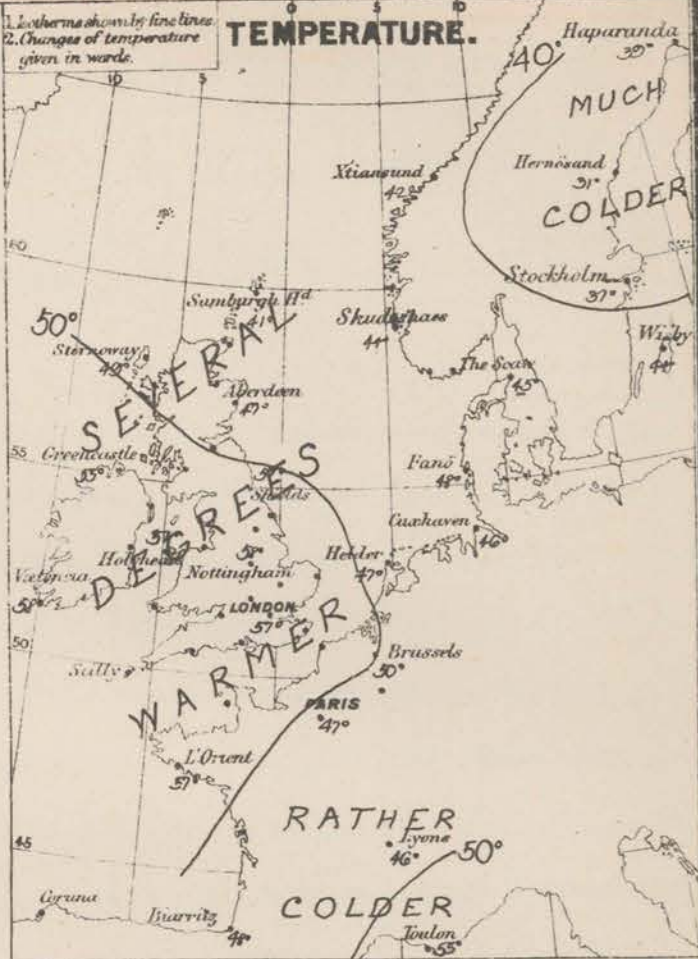
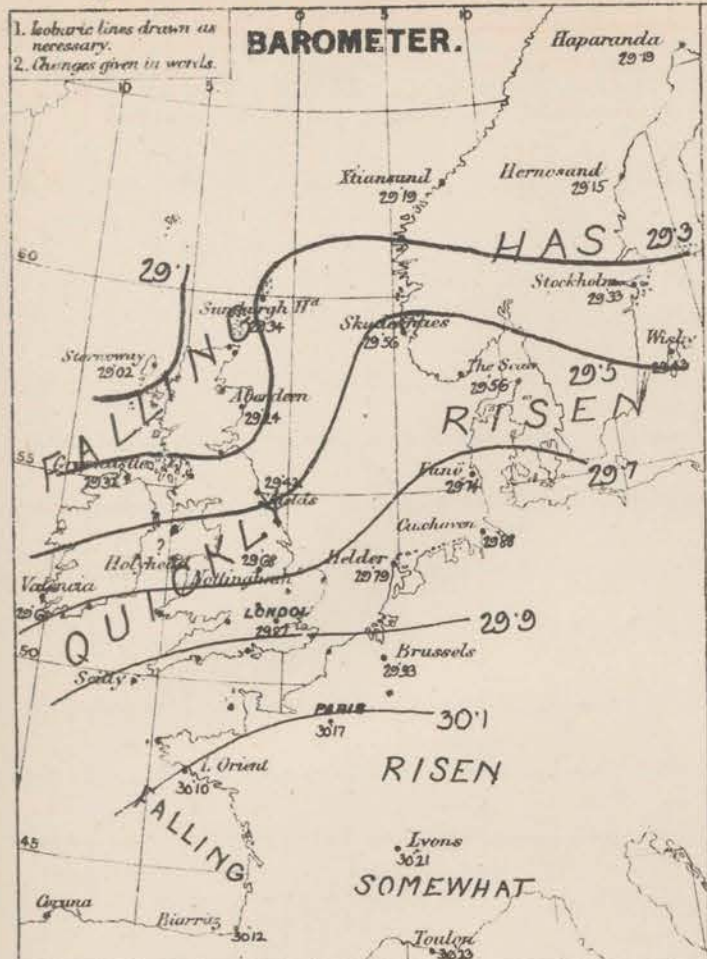
WEATHER.--Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

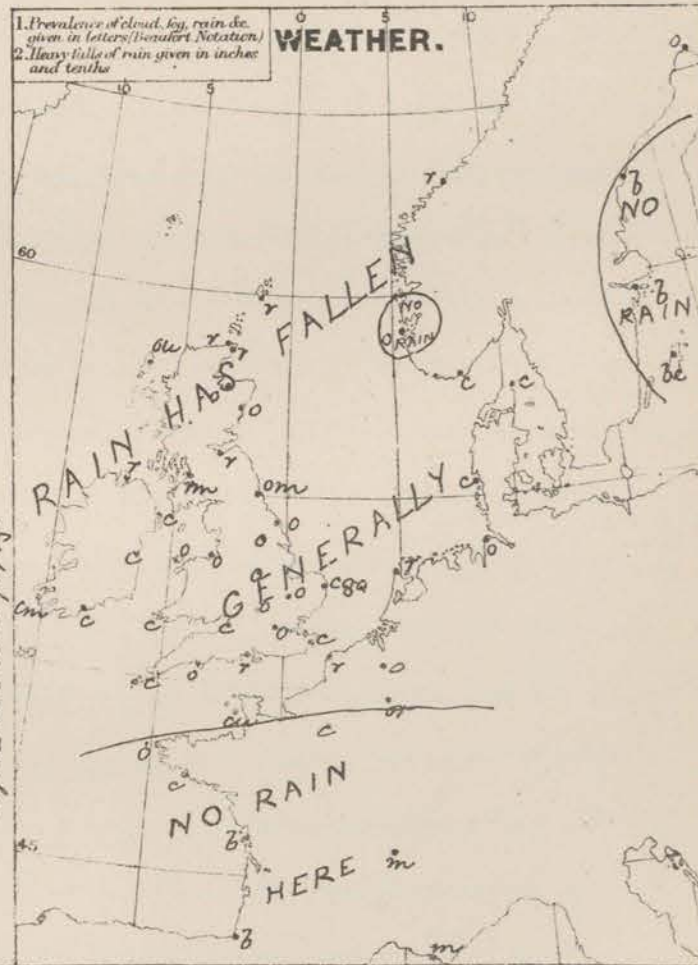
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS *for 8 a.m. on Saturday 13TH OCT^R 1877.*



Note A dotted line is drawn round these crabs on which the signals are now flying.



REMARKS. Weather is fine in the west of France and at some of the Swedish stations, but is dull and unsettled elsewhere, with rain over Scotland, the north of Ireland and at the south eastern stations, and mist in several places. Rain has been general except in France, with hail at Shields. Thunder was seen at Hornö and last night. Temperature has fallen over France and Sweden, but risen quickly in these islands, the change at York amounting to 15° ; the thermometer now stands at about 10° higher in England than in the south west of France; it varies from 41° to 57° over Scotland, from 55° to 59° over Ireland, and from 54° to 58° over England. Wind is E⁴ over the south of France, S by A over our coast, but drifts into SE in the northeast of Scotland and into W over Scandinavia; it is light in force over the Bay of Biscay and on our east coast but blows strongly elsewhere, reaching the force of a fresh gale at Cape Fin Ky, Christianmünd and Wisby; it blew a fresh gale in the south of Ireland and the Bristol Channel last night. Sea is rough in the west, north and south.

Barometrical Indications. *Barometry* has risen over Scandinavia and eastern France but falls elsewhere, very rapidly in the north-west of Scotland, off which coast a deep depression is lying. A second disturbance apparently threatens our south-west coasts.

Humming were visied to our west, south west, and north east coasts yesterday, and have been extended to the east of Britain this morning.

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

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

R. H. SCOTT.
Secretary

SUMMARY OF WEATHER IN WESTERN EUROPE

from October 7th to October 13th 1877.

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

The weather during this period has been of a very unsettled character. On the first few days it was under the influence of an area of high pressure over Ireland, and a large deep depression, which advanced over Sweden from the N^W and travelled in a S^E direction, causing strong N^W winds and cold weather over N^W Europe. On Tuesday the weather cleared and the barometer rose at all the more Eastern stations, but in the N. of Scotland rain was falling with an unsteady barometer. During that day and the following night, a fresh depression advanced to our N^W coasts and from that time till the close of the week we have been under the influence of disturbances passing from S^W to N^E past our N^W coasts, giving S^W to N^W winds, strong or fresh in force, with warm weather and a good deal of rain on the last few days.

OCT 7th A large and deep depression had advanced to the N. of Sweden, the barometer had fallen very quickly over that country and to a less extent in these Islands, while owing to the appearance of another depression, over the Mediterranean, a separate decrease had occurred in the S. of France; over the Bay of Biscay the mercury still rose slightly. Wind was N^W to S^W at our N^W stations, over the North Sea and Scandinavia, and N^E over France; both currents were strong, while at Turnburgh Heads and in the S. of Scandinavia the N^W wind reached the force of a gale; on our S^W coasts calms prevailed. Temperature had risen fast over Norway, Sweden, and Denmark, to a less extent in the N. of these Islands but had fallen elsewhere; over central England the thermometer was 17° lower than at Wick, & 5° lower than in Lapland. Sky remained clear in France, but was dull elsewhere, with fog over Central England, and rain in the N. In the evening the barometer had begun to rise in the N. of Scotland and the wind had veered to N^W. but it was still strong in force.

OCT 8th The deep depression noticed on the 7th over Lapland had advanced apparently a little S^E while that over the Mediterranean had travelled N^W; in consequence the barometer had risen at all the more N^W parts of N^W Europe while it had fallen in the S. Gradients were steep on all coasts, readings varying from 30.5 ins at Valencia to 29.1 ins. at Haparanda and 29.8 ins. at Toulon. Wind, which was N^W generally, was strong in nearly all places, blowing a fresh gale on the Yorkshire coast and in the S. of Norway. Temperature had changed considerably; in the N. it had fallen fast, while in the S. it had risen equally quickly. Weather was clear in the N. of Scotland and in some parts of Scandinavia, dull or cloudy elsewhere. Rain had fallen at all our more N^W stations. During the day no change occurred the N^W wind remained very strong.

OCT 9th The mercury had fallen at our N^W and N^W stations but had risen slightly in the S., over France, and very briskly over Scandinavia; in consequence gradients had decreased considerably in the N., though in the S. they were still rather steep. Readings varied from 30.4 ins. at Valencia to 29.6 ins. both at Haparanda and Toulon. Wind had backed to N. or N^W, and fallen to a light or moderate breeze in the N. of these Islands, but in the S^E. and over France it was still strong from N.

while at K'tiansund a fresh SW^g gale prevailed. Temperature had risen in Scotland, but fallen elsewhere, as much as 10° or 12° in the S. of England; the highest temperature over the whole of W^m Europe was 53° at Wick. Sky was clear on the Eastern shores of the North Sea, and in the SE of England, cloudy elsewhere with rain in the N. of Scotland and at Cape Eric's Reg. The weather did not change much during the day, the barometer continued to fall in the W. and N.

OCT 10TH The barometer had risen slightly over France but had fallen in all other places, very quickly at our NW^m stations. The highest pressures lay over the NW. of France, the lowest to the N^m of these Islands. Wind was E^{ly} to NE^{ly} over the Bay of Biscay, but W^{ly} or SW^{ly} on our coasts and over the North Sea, it blew freshly at Stornoway and K'tiansund, but was light elsewhere. Temperature had risen several degrees in Norway, Sweden, and Denmark, as well as in the N. and N. of England and S. of Scotland; in most other places little change had occurred. Weather was cloudy except in France, with fog and rain in several places. In the evening the depression, which in the morning lay off our NW. coasts, was moving E^{ward} towards Norway and the mercury was recovering again in the W. while the wind veered to the W^{ly} or NW^{ly} and temperature fell.

OCT. 11TH The barometer was falling at all our N^m stations as well as over Scandinavia, Denmark, and N. Germany; in the SW. it was rising slightly, a large and deep depression lay off the W. coast of Norway, while the highest readings were found over Spain. Temperature had decreased rapidly over Scotland and to a less extent over Ireland, but elsewhere it had risen. Wind was W^{ly} to NW^{ly} over the British Isles and the Channel, but drew into SW. in the countries to the E^{ward} of the North Sea; it was light or moderate in the E., but strong on all other coasts, reaching the force of a gale in the Clyde. Weather was dull on the Continent and at our NW^m stations. Rain was reported from N. Germany, snow and hail from the N. of Scotland. During the day very little change occurred, but the depression moved a little NE^{ward} and pressure recovered slightly in the N.

OCT 12TH The mercury was rising over France and the greater part of these Islands but falling in the countries to the Eastward of the North Sea and in the S. of Ireland. A deep depression had its centre near K'tiansund (28.89 ins.) while the highest readings still lay over France and Spain. Wind was W^{ly} to WNW^{ly} at all our own and most of the French stations, but drew into SW. over the Netherlands, Denmark and the S. of Scandinavia, and into S. in the Gulf of Bothnia. It blew freshly or strongly except in the W. and S. Temperature had fallen several degrees over Denmark, but had changed very little elsewhere, though there was a general tendency upward in the S. and downward in the N. Sky was clear over England and the E. of Scotland, dull or cloudy elsewhere. Snow, hail and rain were falling in the N. of Scotland and N. Germany. During the day the barometer fell briskly in the SW. where the wind had backed to the S^{ward} with rain.

OCT 13TH A deep depression had advanced to the NW. of Scotland and the barometer had fallen over the whole of these Islands and the N. of France — rapidly in the NW. — but had risen on the Eastern shores of the North Sea. Wind was still W^{ly} to WNW^{ly} in Norway and Sweden but had backed to SW. on our coasts. It blew strongly at all the more S^m stations. Temperature had fallen in France and Sweden but risen fast elsewhere, as much as 15° at York. Weather was fine in the SW. of France, cloudy or dull in nearly all other places with rain in Scotland, the N. of Ireland and at the SE stations. During the day the barometer continued to fall in the SW. where the wind had increased to a fresh gale.

DAILY WEATHER REPORT

OCT 14th 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 ...	29.25	37	S	2	b c	29.34	+15	33	32	- 6	SW	2	b c	*	*	*	-	
Hernösand ...	29.41	38	Z	0	b	29.31	+16	41	40	+ 10	S	8	h	*	*	*	0.12	
Stockholm ...	29.57	40	S SW	2	b	29.45	+12	45	45	+ 8	? NW	6	o	*	*	*	0.04	
Wisby ...	29.68	47	W	6	b	29.62	+19	50	48	+ 6	W SW	6	o	*	*	*	0.04	
Christiansund ...																		
Skudesnaes ...	29.27	50	S	4	h	29.33	-18	51	51	+ 7	SW	4	h	4	?	?	-	
Oxö (Xtiansand) ...	29.36	51	S	6	h	29.45	-19	53	52	+ 9	SW	7	h	5	?	41	-	
Skagen (The Seaw) ...	29.47	46	W SW	6	h	29.54	-02	53	51	+ 8	W	7	c	7	54	43	0.24	
Fanö ...	29.63	55	SW	6	o	29.73	-01	55	53	+ 7	SW	5	o	*	?	?	0.28	
Cuxhaven ...	29.89	53	W	6	h	29.88	-00	52	50	+ 6	SW	4	h	*	54	45	0.01	
Sumburgh Head ...	29.05	49	SW	4	c	29.33	-01	45	41	+ 4	W NW	5	c	4	50	43	0.07	
Stornoway ...	29.10	48	W SW	6	o	29.31	+29	41	40	- 8	N NE	1	h	4	51	40	0.02	
Thurso ...	29.11	50	SW	3	c	29.32	+14	43	42	0	SW	2	o	3	55	43	0.07	
Wick ...	29.14	50	W	3	b c	29.34	+13	44	43	0	NW	1	m	0	52	41	0.03	
Nairn ...	?	50	WW	1	o	29.34	+15	43	41	0	Z	0	h	1	53	43	0.23	
Aberdeen ...	29.21	56	S	4	c	29.33	+09	46	46	- 1	N	1	h	2	58	46	0.01	
Leith ...	29.30	59	SW	7	b c	29.35	+07	57	53	+ 9	SW	5	h	*	63	49	-	
Shields ...	29.49	59	W	7	c	29.53	+11	56	53	- 1	SSW	4	c	4	62	?	-	
Scarborough ...	29.62	58	W SW	4	c	29.63	+11	56	53	0	W SW	3	c	2	62	53	-	
York ...	29.64	55	W	3	b c	29.62	+06	56	53	- 2	S	1	c	3	64	52	-	
Nottingham ...	29.95	58	SW	6	o	29.69	+01	58	54	0	SSE	7	h	*	63	53	-	
Ardrossan ...	29.40	57	SSW	5	c	29.34	+01	56	54	- 1	SSW	5	o	5	58	55	0.19	
Greencastle ...	29.33	57	SSW	5	o	29.24	-08	55	54	0	S	4	o	*	61	53	0.09	
Donaghadee ...	29.46	55	W SW	3	b c	29.38	-06	55	55	0	SSW	5	o	3	62	53	0.04	
Kingstown ...	29.60	60	S	5	c	29.45	-13	58	55	- 1	S	4	o	3	63	55	0.01	
Holyhead ...	29.64	57	SSW	7	o	29.52	-10	58	56	+ 1	SSW	6	o m	4	60	47	0.04	
Liverpool (Biston) ...	29.67	57	SW	5	o	29.58	-03	58	55	0	S	3	c	3	62	53	-	
Valencia ...	29.53	58	S	8	o	29.23	-41	59	58	+ 1	S	9	h	7	60	56	0.14	
Roche's Point ...	29.65	58	W SW	5	c	29.40	-32	58	57	0	SSW	7	o	5	60	54	0.04	
Pembroke ...	29.75	56	SW	7	o	29.61	-16	58	57	0	S	6	o	4	59	56	0.02	
Portishead ...	29.84	57	SSW	5	o	29.73	-10	58	55	+ 2	S	6	h c	4	60	53	-	
Scilly ...																		
Plymouth ...	29.87	58	SW	2	o	29.75	-19	59	57	+ 2	S	3	h	*	60	56	-	
Hurst Castle ...	29.87	59	SW	4	o	29.82	-11	61	60	+ 4	SW	4	h	4	61	55	0.02	
Dover ...	29.85	57	W SW	5	c	29.88	-02	57	55	+ 1	W SW	3	h	3	59	56	-	
London ...	29.68	65	SW	5	h	29.64	-23	53	50	- 4	W SW	6	c	*	66	53	0.01	
Oxford ...	*	*	*	*	*	29.76	-03	57	54	+ 1	SW	4	o	*	61	55	-	
Cambridge ...	29.84	56	SW	3	o	29.78	-00	58	55	+ 2	SW	2	b c	*	62	53	-	
Yarmouth ...	29.83	57	SW	5	c	29.80	+06	56	54	+ 2	SSW	4	h	3	61	52	-	
The Helder ...	*	*	*	*	*	29.85	+06	54	52	+ 7	SSW	2	c	*	*	*	0.20	
Cape Gris Nez ...	29.99	57	W SW	5	o	29.92	-03	55	52	- 2	S	5	b c	4	59	52	-	
Jersey ...	30.00	58	SW	5	h	29.90	-17	56	52	- 1	SW	5	h	5	61	54	-	
Brest ...	29.97	61	S	4	h	29.84	-26	59	57	+ 2	S	4	h	4	61	57	-	
L'Orient ...	30.03	57	SSW	4	h	29.89	-21	59	57	+ 2	S	3	m	3	64	54	-	
Rochefort ...	30.02	61	SE	4	h	30.03	-15	55	54	+ 7	S	5	h	4	?	45	-	
Biarritz ...	30.04	66	SSE	1	h	30.04	-08	52	?	+ 4	SE	3	h	3	81	46	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.00	+07	53	*	+ 3	SSW	6	o	*	*	*	-	
Charleville ...	*	*	*	*	*	29.94	-13	42	*	- 7	S	1	h	*	*	*	-	
Paris ...	30.07	54	S	2	h	30.08	-09	51	*	+ 4	SE	3	h	*	*	*	-	
Lyons ...	*	*	*	*	*	30.23	+02	59	*	+13	SW	4	h	*	*	*	-	
Toulon ...	30.32	59	E	3	m	30.41	+18	57	?	+ 2	E	5	b c	4	66	54	?	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	
Skudesnaes ...	29.33	45	43	SE	4	h	Valencia	29.58	59	57	S S W	8	c m	6
Thurso	29.11	52	50	S S W	4	o	Scilly							
Scarborough ...	29.57	62	57	W S W	4	c	London	29.89	60	57	SW	4	o	*
Greencastle ...	29.32	58	55	W S W	5	c	Rochefort ...	30.13	70	59	W	4	h	3
Holyhead	29.66	59	57	S S W	6	o								

Weather is cloudy or dull; the wind is S.W., it is strong generally and reaches a fresh gale in the S.W. Pressure is increasing slightly except in the N.E. and at Valencia, where a fresh fall has appeared. Harnings extended to our S. coast.

EXPLANATION OF COLUMNS.

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

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

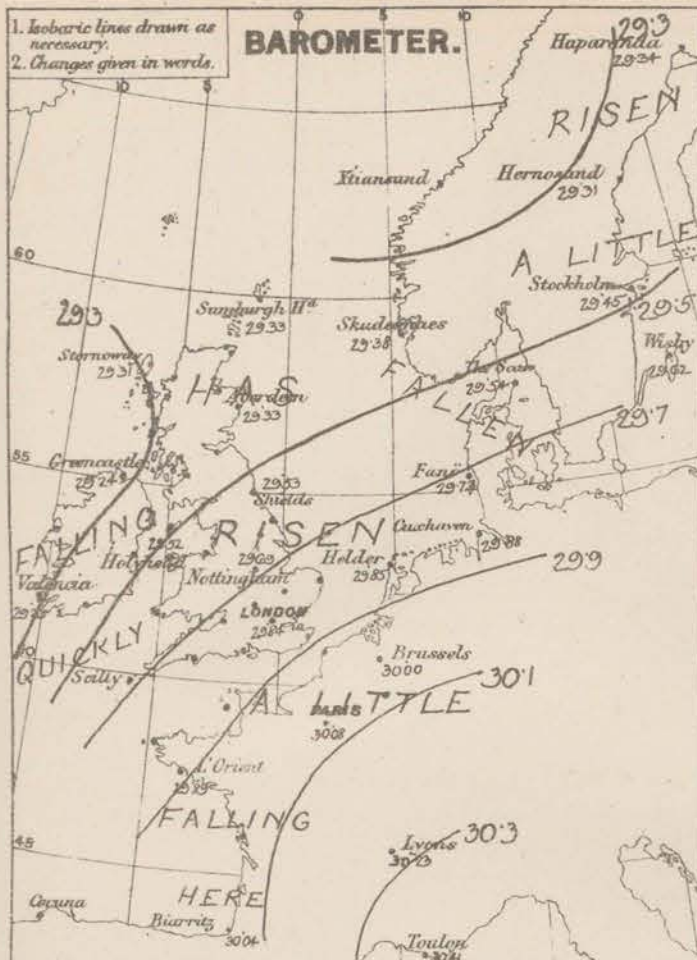
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Sunday 14th OCT^r 1877.

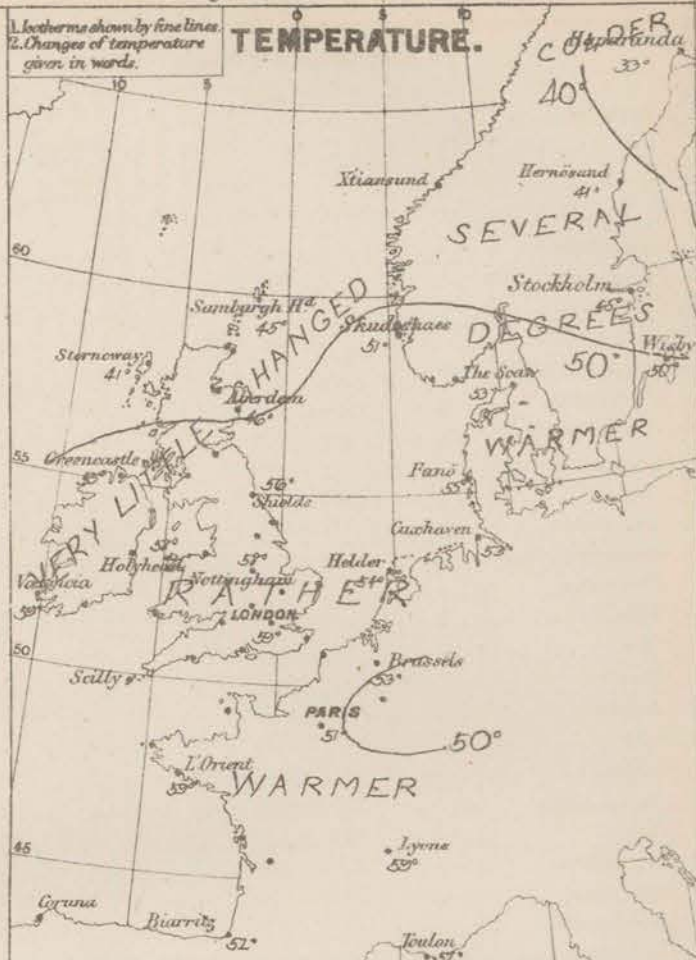
1. Isobaric lines drawn as necessary.
2. Changes given in words.

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.

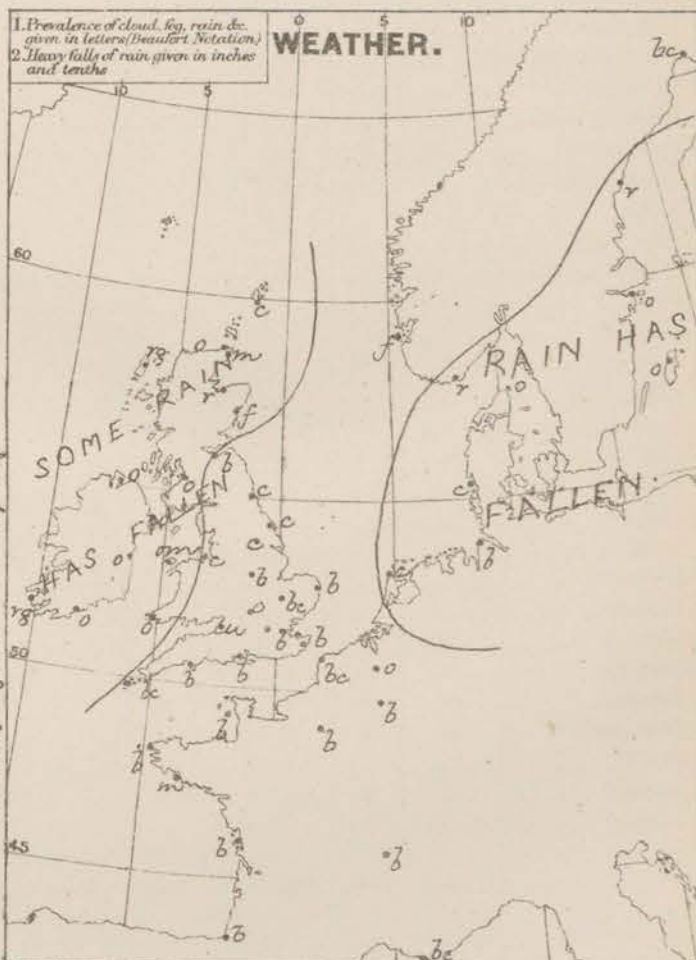
WIND & SEA.



Note: A dotted line is drawn round those coasts on which the warning signals are now flying.

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

WEATHER.



REMARKS. Weather is clear over France and the south east of England, but very cloudy elsewhere, with rain and a gloomy appearance at Valentia. Rain has fallen during the past 24 hours at all the western and northern stations, but the amounts recorded are in no case heavy. Temperature has risen, ^{about} degrees at the Continental stations, and to a slight extent in the south east of England, but in other parts of our Islands it remains almost unchanged; the readings over the British Kingdom vary from 41° in the Hebrides to 61° on the south coast of England. The maximum readings over England and Ireland yesterday were all about 60°, but in the north of Scotland they did not exceed 55°. Wind is S.W. or S. in nearly all parts of Western Europe, and though moderate in force at our southern stations, flows strongly in the west, and with the force of a strong gale at Valentia. Sea is high off the south west of Ireland and at the Hebrides, but is moderate to slight on most parts of our coasts. Barometrical Indications. The depression which lay off the north west of Scotland yesterday has passed away N.E., and the barometer has consequently risen on all our north and north east coasts, but at our western stations another fall is in progress, which is especially brisk at Valentia, and appears to herald the approach of another disturbance from the Atlantic. The warning signals have been lowered on the south coasts this morning, but are allowed to remain up in the west, north and north east.

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

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT OCT^R 15TH 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.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.11	37	S	2	b	29.57	+1.23	28	28	-5	SW	2	c	*	39	25	0.08		
Hernösand ...	29.39	35	Z	0	b	29.48	+1.17	46	45	+5	S	4	o	*	*	*	0.12		
Stockholm ...	29.61	54	SW	8	o	29.75	+1.30	51	50	+6	SW	6	c	*	*	*	-		
Wisby ...	29.76	51	SW	6	b	29.84	+1.22	51	49	+1	SW	6	b	*	*	*	-		
Christiansund ...	29.33	46	S	6	n	29.05		44	42		E	2	c	5	46	27	0		
Skudesnaes ...	29.47	53	SSE	8	n	29.19	-1.19	57	55	+6	SSE	9	c	8	?	52	-		
Oxö (Xtiansand) ...	29.65	53	SW	6	o	29.48	+0.03	53	52	0	SSE	5	c	4	54	50	-		
Skägen (The Seaw) ...	29.72	53	WSW	4	b	29.62	+0.08	52	49	-1	WSW	5	b	4	57	48	-		
Fanö ...	29.79	53	S	4	b	29.61	-1.12	54	51	-1	SW	6	b	*	55	51	-		
Cuxhaven ...	29.93	?	SSW	4	c	29.76	-1.12	53	51	+1	SSW	3	b	*	59	43	-		
Sumburgh Head ...	29.15	44	NE	5	n	28.70	-0.63	52	51	+7	SSE	8	n	7	54	41	0.13		
Stornoway ...	29.05	36	NNE	7	S	28.85	-0.46	42	41	+1	NW	6	n	6	45	34	1.47		
Thurso ...	29.05	44	E	2	n	28.65	-0.67	50	49	+7	SSW	2	cw	3	56	42	0.35		
Wick ...	29.06	44	E	3	n	28.66	-0.68	45	44	+1	SSE	1	c	4	56	41	0.21		
Nairn ...	29.15	49	Z	0	o	28.75	-0.59	46	45	+3	NN	2	o	1	58	42	0.83		
Aberdeen ...	29.18	56	SSE	3	o	28.73	-0.60	53	52	+7	SW	2	c	4	58	46	0.10		
Leith ...	29.35	?	SW	7	c	28.83	-0.52	47	46	-10	W	7	o	9	65	46	-		
Shields ...	29.35	61	SSW	4	b	28.98	-0.55	55	52	-1	SW	8	b	3	62	55	-		
Scarborough ...	?	61	S	4	b	29.17	-0.46	53	49	-3	SW	9	o	5	63	?	-		
York ...	29.46	62	S	3	b	29.25	-0.37	49	45	-7	WSW	7	c	*	65	49	-		
Nottingham ...	29.54	62	SSE	6	b	29.46	-0.23	50	46	-8	SW	7	o	*	69	50	-		
Ardrossan ...	29.14	59	S	7	o	29.04	-0.30	46	44	-10	NNW	10	n	7	59	46	0.33		
Greencastle ...																			
Donaghadee ...	29.12	59	SSW	7	o	29.29	-0.09	43	43	-12	W	6	o	4	60	43	0.26		
Kingstown ...	29.15	60	S	5	n	29.50	+0.05	45	42	-13	W	5	b	4	63	44	0.33		
Holyhead ...																			
Liverpool (Bidston) ...	29.36	61	SSE	4	b	29.39	-0.19	46	44	-12	W	9	o	6	69	42	0.11		
Valencia ...																			
Roche's Point...																			
Pembroke ...																			
Portishead ...																			
Scilly ...																			
Plymouth ...																			
Hurst Castle ...	29.57	65	S	5	b	29.69	-0.13	53	52	-8	W	5	o	5	66	47	0.04		
Dover ...	29.87	59	SW	3	b	29.70	-0.18	57	53	0	SW	7	c	6	61	-	-		
London ...	29.68	65	SW	5	b	29.64	+0.20	53	50	-6	WSW	6	c	*	66	53	-		
Oxford ...	*	*	*	*	*	29.62	-0.14	50	46	-7	WSW	4	c	*	68	49	-		
Cambridge ...	29.64	60	SW	3	b	29.52	-0.26	54	49	-4	SSW	3	b	*	70	52	-		
Yarmouth ...	29.71	59	S	4	b	29.54	-0.26	57	54	+1	SSW	6	b	4	62	54	-		
The Helder ...	*	*	*	*	*	29.63	-0.22	57	53	+3	SSW	5	b	*	*	*	-		
Cape Gris Nez ...	29.71	64	S	5	b	29.73	-0.19	57	52	+2	SSW	10	b	7	66	52	0.04		
Jersey ...																			
Brest ...	29.62	64	S	6	o	30.00	+0.16	52	48	-7	?	4	b	7	64	48	-		
L'Orient ...	29.71	61	S	5	m	30.03	+0.14	52	48	-7	W	7	b	7	66	48	-		
Rochefort ...	29.86	66	S	5	b	30.15	+0.12	57	54	+2	W	5	o	4	73	45	0.24		
Biarritz ...	29.91	68	SSE	6	b	30.31	+0.27	54	50	+2	SW	5	n	4	73	50	0.24		
Corunna ...	*	*	*	*	*			*							*	*	*		
Brussels ...	*	*	*	*	*	29.83	-0.17	55	*	+2	?	?	o	*	*	*	-		
Charleville ...	*	*	*	*	*	29.88	-0.06	56	*	+14	SSW	6	c	*	*	*	-		
Paris ...	29.88	67	S	4	b	30.02	-0.06	57	53	+6	SSW	-		*	*	*	-		
Lyons ...	*	*	*	*	*	30.17	-0.06	62	*	+3	S	6	b	*	*	*	-		
Toulon ...	30.39	59	E	5	b	30.34	-0.07	50	55	+4	E	5	b	4	64	57	-		

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

Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.49	53	51	S	5	o	Valencia ...					
Thurso ...							Scilly ...					
Scarborough ...							London ...					*
Greencastle ...						*	Rochefort ...	29.93	73	63	SE	6
Holyhead ...												

EXPLANATION OF COLUMNS.

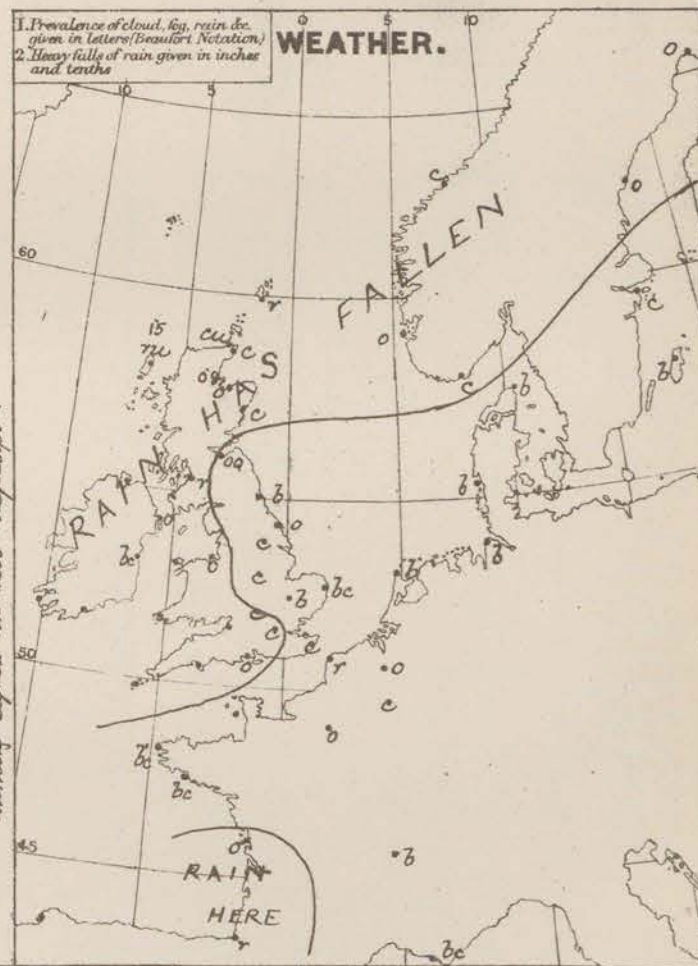
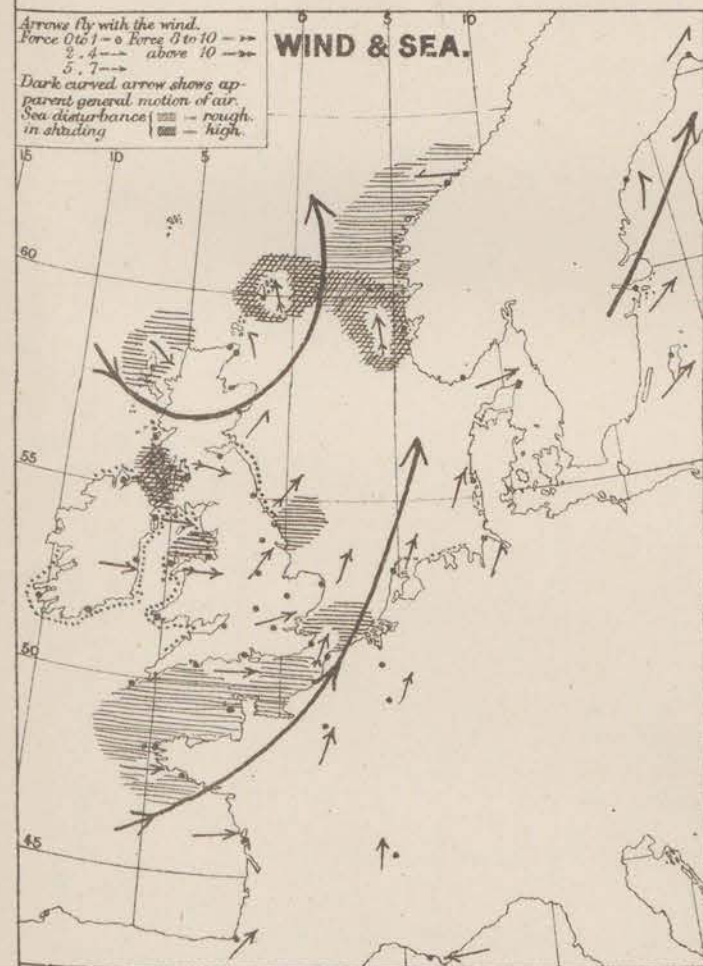
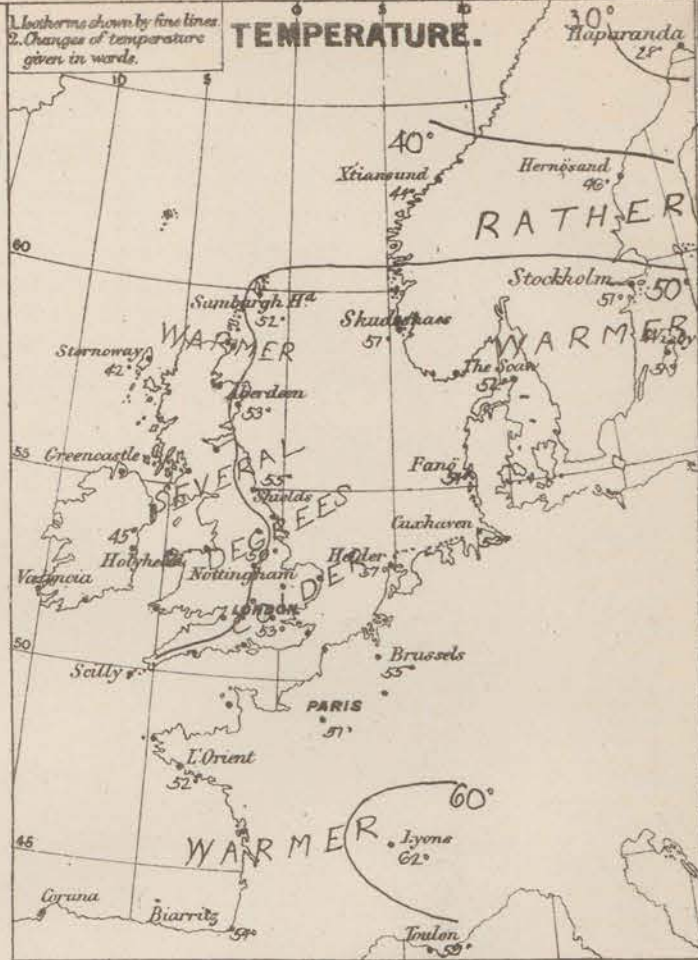
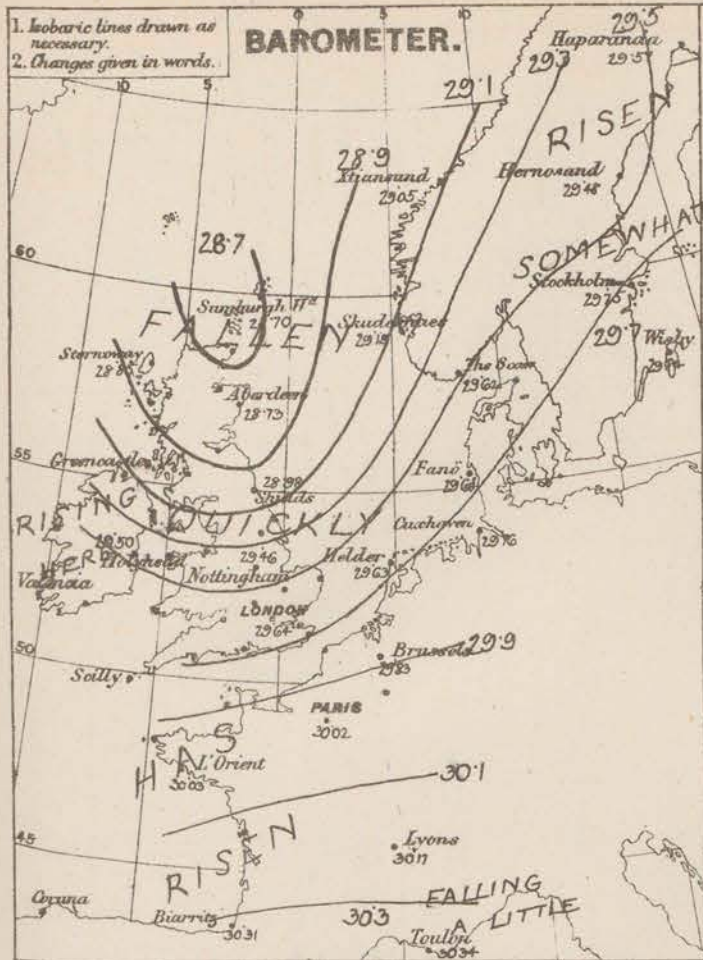
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m. on Monday 15th OCT^r 1877.*



REMARKS. A violent storm has interrupted all communication with the west and south-west. In the east the weather is cloudy, dull and unsettled; rain is falling in the north; whilst over North Germany the sky is clear. Rain has fallen heavily in the north of Scotland, but very little elsewhere. Temperature is falling generally; during yesterday the thermometer was very high, reaching 70° at Cambridge, 69° at Nottingham and 66° in London. Wind is NW in the west of Scotland, and variable in the north-east of that country, but SW on our east coast, and W over France and our western stations; it is strong generally, and blows a gale at Cape Breton and Liverpool, on the Yorkshire coast and in the Netherlands. A heavy storm passed over England during the night. Sea is high in the Straits of Dover, off Harbort and the north coast of Scotland, rough in the east.

Barometrical Indications. Barometer is apparently rising in the west, but still falls in the east and south. It is very low over Scotland (28.65 in.), and gradients are extremely steep.

The burning signals are up on our west, north and north east coasts.

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

R. H. SCOTT.

Secret 23.7

DAILY WEATHER REPORT

OCT 15th

1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° E. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 13).		Reading at 32° E. 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 ...	29.39	44	S	4	b c	29.36	-21	43	42	+15	SW	6	b c	*	45	27	0.12	
Hernösand ...	29.36	47	S	8	b	29.47	-01	44	42	-2	SSW	6	b	*	*	*	-	
Stockholm ...	29.65	51	SSW	6	b	29.73	-02	47	45	-4	SSW	4	b c	*	*	*	-	
Wisby ...	29.82	52	SSW	6	b c	29.85	+01	49	47	-2	SW	6	b c	*	*	*	-	
Christiansund ...	29.03	55	SSW	3	o	28.93	-12	44	42	0	SSW	8	c	5	58	43	-	
Skudesnaes ...	29.33	49	SSW	9	N	29.54	+35	43	40	-14	WNW	2	c	7	57	?	-	
Oxö (Xtiansand) ...	29.54	50	SSW	9	b	29.66	+08	45	43	-8	SSW	6	c	5	55	41	-	
Skagen (The Sæw) ...	29.68	49	SSW	5	b	29.67	+05	46	43	-6	SSW	6	b	6	59	2	-	
Fanö ...	29.79	50	SSW	4	c	29.73	+12	48	46	-6	SSW	6	c	*	57	45	0.12	
Cuxhaven ...	29.89	?	SSW	5	c	29.92	+16	45	44	-8	SSW	5	b	*	61	43	-	
Sumburgh Head ...	28.63	46	SW	8	o	29.61	+91	37	33	-15	N	6	c	6	53	35	0.16	
Stornoway ...	29.26	40	WNW	7	N	29.95	+110	34	32	-8	WNW	6	p sq	6	43	30	0.66	
Thurso ...	29.01	41	WNW	8	N	29.79	+114	38	34	-12	WN	6	c	7	50	33	0.56	
Wick ...	29.03	41	SSW	9	N	29.84	+118	35	32	-10	W	3	asp	2	53	31	0.29	
Nairn ...	29.22	38	WN	5	N	?	?	34	33	-12	WN	3	b c	2	47	34	0.11	
Aberdeen ...	29.23	41	SSW	6	c	29.87	+114	37	33	-16	WNW	3	b	2	54	36	0.23	
Leith ...	29.37	44	SSW	7	b c	29.96	+113	40	38	-7	WN	2	b	*	51	38	0.01	
Shields ...	29.55	46	SW	5	b	29.95	+097	38	37	-17	W	2	b c	3	55	38	0.04	
Scarborough ...	29.67	44	SSW	3	b	29.95	+78	44	40	-9	WN	2	b c	1	54	40	0.23	
York ...	29.68	45	SSW	5	b	29.97	+72	41	39	-8	WN	2	b	*	54	37	0.25	
Nottingham ...	29.82	46	SW	5	N	30.03	+57	42	42	-8	SW	1	c	*	55	40	0.25	
Ardrossan ...	29.87	44	SW	6	N	30.00	+96	40	37	-6	WN	2	b c	2	50	40	0.22	
Greencastle ...	29.31	38	SW	4	N	30.09	+84	39	37	-4	WNW	2	b c	*	58	36	0.35	
Donaghadee ...	29.39	42	SSW	6	N	30.07	+78	41	39	-2	WNW	5	b c	3	47	38	0.13	
Kingstown ...	29.61	45	SSW	6	N	30.11	+61	42	41	-3	W	4	c m	3	47	38	0.48	
Holyhead ...	29.67	46	W	7	c	30.04	+62	?	?	?	WN	6	c	5	50	42	0.29	
Liverpool (Bidston) ...	29.69	42	SSW	4	b	30.02	+63	44	42	-2	W	3	c	4	50	38	0.19	
Valencia ...	29.93	47	WNW	6	N	30.24	+51	43	44	+2	WNW	3	c	4	51	41	0.31	
Roche's Point ...	29.95	44	WNW	5	c	30.22	+51	43	41	-2	WNW	4	c	4	49	41	0.24	
Pembroke ...	29.88	43	W	9	c	30.11	+50	47	44	-4	WN	5	c	4	52	45	0.07	
Portishead ...																		
Scilly ...																		
Plymouth ...	30.07	43	W	5	o	30.17	+37	45	44	-3	W	2	b	*	?	45	0.08	
Hurst Castle ...	29.97	54	SSW	5	b c	30.11	+42	47	47	-6	WNW	3	b	3	56	44	0.02	
Dover ...	30.02	51	W	5	b	30.07	+37	48	44	-9	W	3	b	3	57	46	0.04	
London ...	29.98	51	W	5	b	30.07	+43	47	43	-6	W	3	b c	*	57	44	-	
Oxford ...	*	*	*	*	*	30.05	+43	45	42	-5	SW	1	o	*	55	41	0.14	
Cambridge ...	29.90	55	SSW	4	c	30.03	+51	46	41	-8	SSW	2	o	*	60	39	-	
Yarmouth ...	29.88	50	SSW	5	b c	29.97	+43	46	43	-11	W	3	c m	2	57	43	-	
The Helder ...	*	*	*	*	*	29.87	+24	51	46	-6	SSW	5	c	*	*	*	0.04	
Cape Gris Nez ...	30.04	52	SSW	7	N	30.06	+33	52	52	-5	SSW	2	N	6	58	50	0.20	
Jersey ...	30.18	55	SW	7	c	30.21	+40	53	51	-2	SW	7	o q	7	57	47	0.20	
Brest ...	30.26	57	WN	4	b	30.32	+32	54	52	+2	WNW	4	o	5	?	48	0.04	
L'Orient ...	30.31	52	WNW	5	b c	30.36	+33	55	50	+3	S	6	c	7	61	48	-	
Rochefort ...	30.40	61	WNW	5	o	30.43	+28	55	52	-2	W	4	c	3	68	54	0.04	
Biarritz ...	30.48	66	SSW	4	b c	30.52	+21	54	50	0	S	1	b c	5	68	48	0.04	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.18	+35	44	*	-11	SSW	6	N	*	*	*	0.16	
Charleville ...	*	*	*	*	*	30.19	+31	46	*	-10	SSW	3	c	*	*	*	*	
Paris ...	30.21	53	W	3	b c	30.21	+29	46	44	-11	SSW	3	b	*	*	*	0.12	
Lyons ...	*	*	*	*	*	30.48	+31	55	*	-7	W	2	c	*	*	*	*	
Toulon ...	?	59	W	0	c	30.19	-15	52	46	-7	WNW	7	b	7	64	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.19	49	46	SSW	9	N f	Valencia	29.87	47	45	W	6	o q h
Thurso	28.82	44	42	SSW	6	q p	Scilly						
Scarborough ...	29.64	43	41	W	7	o	London	29.89	55	51	SSW	5	c p
Greencastle ...	29.86	45	41	SW	4	o q	Rochefort ...	30.26	61	55	W	5	o
Holyhead	29.68	48	44	W	7	q h w							

Pressure is increasing everywhere, but at Valencia the rise has slackened considerably and the wind has backed to N. with hail squalls.

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.

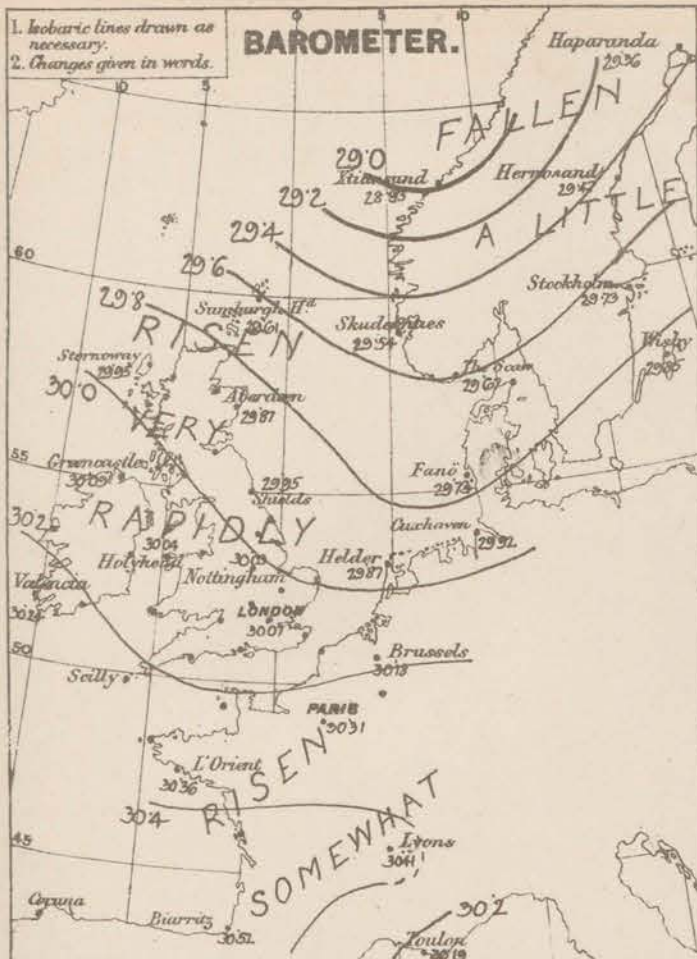
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 16th Oct^r 1877.

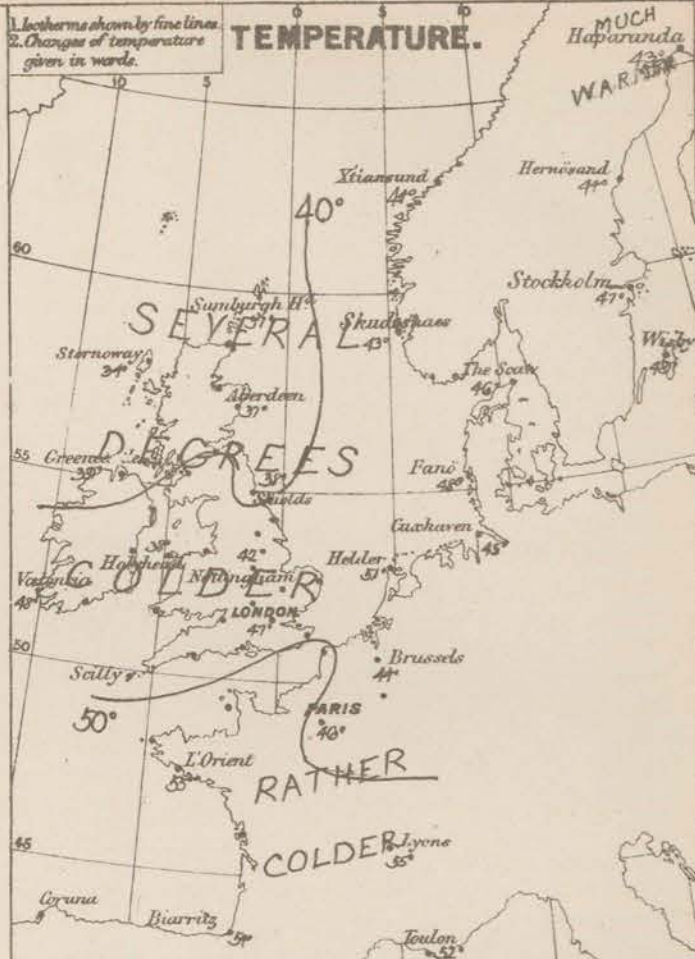
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



- Arrows fly with the wind.
Force 0 to 1 - a Force 2 to 10 - b
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000, 1002, 1004, 1006, 1008, 1010, 1012, 1014, 1016, 1018, 1020, 1022, 1024, 1026, 1028, 1030, 1032, 1034, 1036, 1038, 1040, 1042, 1044, 1046, 1048, 1050, 1052, 1054, 1056, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1078, 1080, 1082, 1084, 1086, 1088, 1090, 1092, 1094, 1096, 1098, 1100, 1102, 1104, 1106, 1108, 1110, 1112, 1114, 1116, 1118, 1120, 1122, 1124, 1126, 1128, 1130, 1132, 1134, 1136, 1138, 1140, 1142, 1144, 1146, 1148, 1150, 1152, 1154, 1156, 1158, 1160, 1162, 1164, 1166, 1168, 1170, 1172, 1174, 1176, 1178, 1180, 1182, 1184, 1186, 1188, 1190, 1192, 1194, 1196, 1198, 1200, 1202, 1204, 1206, 1208, 1210, 1212, 1214, 1216, 1218, 1220, 1222, 1224, 1226, 1228, 1230, 1232, 1234, 1236, 1238, 1240, 1242, 1244, 1246, 1248, 1250, 1252, 1254, 1256, 1258, 1260, 1262, 1264, 1266, 1268, 1270, 1272, 1274, 1276, 1278, 1280, 1282, 1284, 1286, 1288, 1290, 1292, 1294, 1296, 1298, 1300, 1302, 1304, 1306, 1308, 1310, 1312, 1314, 1316, 1318, 1320, 1322, 1324, 1326, 1328, 1330, 1332, 1334, 1336, 1338, 1340, 1342, 1344, 1346, 1348, 1350, 1352, 1354, 1356, 1358, 1360, 1362, 1364, 1366, 1368, 1370, 1372, 1374, 1376, 1378, 1380, 1382, 1384, 1386, 1388, 1390, 1392, 1394, 1396, 1398, 1400, 1402, 1404, 1406, 1408, 1410, 1412, 1414, 1416, 1418, 1420, 1422, 1424, 1426, 1428, 1430, 1432, 1434, 1436, 1438, 1440, 1442, 1444, 1446, 1448, 1450, 1452, 1454, 1456, 1458, 1460, 1462, 1464, 1466, 1468, 1470, 1472, 1474, 1476, 1478, 1480, 1482, 1484, 1486, 1488, 1490, 1492, 1494, 1496, 1498, 1500, 1502, 1504, 1506, 1508, 1510, 1512, 1514, 1516, 1518, 1520, 1522, 1524, 1526, 1528, 1530, 1532, 1534, 1536, 1538, 1540, 1542, 1544, 1546, 1548, 1550, 1552, 1554, 1556, 1558, 1560, 1562, 1564, 1566, 1568, 1570, 1572, 1574, 1576, 1578, 1580, 1582, 1584, 1586, 1588, 1590, 1592, 1594, 1596, 1598, 1600, 1602, 1604, 1606, 1608, 1610, 1612, 1614, 1616, 1618, 1620, 1622, 1624, 1626, 1628, 1630, 1632, 1634, 1636, 1638, 1640, 1642, 1644, 1646, 1648, 1650, 1652, 1654, 1656, 1658, 1660, 1662, 1664, 1666, 1668, 1670, 1672, 1674, 1676, 1678, 1680, 1682, 1684, 1686, 1688, 1690, 1692, 1694, 1696, 1698, 1700, 1702, 1704, 1706, 1708, 1710, 1712, 1714, 1716, 1718, 1720, 1722, 1724, 1726, 1728, 1730, 1732, 1734, 1736, 1738, 1740, 1742, 1744, 1746, 1748, 1750, 1752, 1754, 1756, 1758, 1760, 1762, 1764, 1766, 1768, 1770, 1772, 1774, 1776, 1778, 1780, 1782, 1784, 1786, 1788, 1790, 1792, 1794, 1796, 1798, 1800, 1802, 1804, 1806, 1808, 1810, 1812, 1814, 1816, 1818, 1820, 1822, 1824, 1826, 1828, 1830, 1832, 1834, 1836, 1838, 1840, 1842, 1844, 1846, 1848, 1850, 1852, 1854, 1856, 1858, 1860, 1862, 1864, 1866, 1868, 1870, 1872, 1874, 1876, 1878, 1880, 1882, 1884, 1886, 1888, 1890, 1892, 1894, 1896, 1898, 1900, 1902, 1904, 1906, 1908, 1910, 1912, 1914, 1916, 1918, 1920, 1922, 1924, 1926, 1928, 1930, 1932, 1934, 1936, 1938, 1940, 1942, 1944, 1946, 1948, 1950, 1952, 1954, 1956, 1958, 1960, 1962, 1964, 1966, 1968, 1970, 1972, 1974, 1976, 1978, 1980, 1982, 1984, 1986, 1988, 1990, 1992, 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2032, 2034, 2036, 2038, 2040, 2042, 2044, 2046, 2048, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2068, 2070, 2072, 2074, 2076, 2078, 2080, 2082, 2084, 2086, 2088, 2090, 2092, 2094, 2096, 2098, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2138, 2140, 2142, 2144, 2146, 2148, 2150, 2152, 2154, 2156, 2158, 2160, 2162, 2164, 2166, 2168, 2170, 2172, 2174, 2176, 2178, 2180, 2182, 2184, 2186, 2188, 2190, 2192, 2194, 2196, 2198, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2214, 2216, 2218, 2220, 2222, 2224, 2226, 2228, 2230, 2232, 2234, 2236, 2238, 2240, 2242, 2244, 2246, 2248, 2250, 2252, 2254, 2256, 2258, 2260, 2262, 2264, 2266, 2268, 2270, 2272, 2274, 2276, 2278, 2280, 2282, 2284, 2286, 2288, 2290, 2292, 2294, 2296, 2298, 2300, 2302, 2304, 2306, 2308, 2310, 2312, 2314, 2316, 2318, 2320, 2322, 2324, 2326, 2328, 2330, 2332, 2334, 2336, 2338, 2340, 2342, 2344, 2346, 2348, 2350, 2352, 2354, 2356, 2358, 2360, 2362, 2364, 2366, 2368, 2370, 2372, 2374, 2376, 2378, 2380, 2382, 2384, 2386, 2388, 2390, 2392, 2394, 2396, 2398, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2482, 2484, 2486, 2488, 2490, 2492, 2494, 2496, 2498, 2500, 2502, 2504, 2506, 2508, 2510, 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2844, 2846, 2848, 2850, 2852, 2854, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 2872, 2874, 2876, 2878, 2880, 2882, 2884, 2886, 2888, 2890, 2892, 2894, 2896, 2898, 2900, 2902, 2904, 2906, 2908, 2910, 2912, 2914, 2916, 2918, 2920, 2922, 2924, 2926, 2928, 2930, 2932, 2934, 2936, 2938, 2940, 2942, 2944, 2946, 2948, 2950, 2952, 2954, 2956, 2958, 2960, 2962, 2964, 2966, 2968, 2970, 2972, 2974, 2976, 2978, 2980, 2982, 2984, 2986, 2988, 2990, 2992, 2994, 2996, 2998, 3000, 3002, 3004, 3006, 3008, 3010, 3012, 3014, 3016, 3018, 3020, 3022, 3024, 3026, 3028, 3030, 3032, 3034, 3036, 3038, 3040, 3042, 3044, 3046, 3048, 3050, 3052, 3054, 3056, 3058, 3060, 3062, 3064, 3066, 3068, 3070, 3072, 3074, 3076, 3078, 3080, 3082, 3084, 3086, 3088, 3090, 3092, 3094, 3096, 3098, 3100, 3102, 3104, 3106, 3108, 3110, 3112, 3114, 3116, 3118, 3120, 3122, 3124, 3126, 3128, 3130, 3132, 3134, 3136, 3138, 3140, 3142, 3144, 3146, 3148, 3150, 3152, 3154, 3156, 3158, 3160, 3162, 3164, 3166, 3168, 3170, 3172, 3174, 3176, 3178, 3180, 3182, 3184, 3186, 3188, 3190, 3192, 3194, 3196, 3198, 3200, 3202, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 3220, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3238, 3240, 3242, 3244, 3246, 3248, 3250, 3252, 3254, 3256, 3258, 3260, 3262, 3264, 3266, 3268, 3270, 3272, 3274, 3276, 3278, 3280, 3282, 3284, 3286, 3288, 3290, 3292, 3294, 3296, 3298, 3300, 3302, 3304, 3306, 3308, 3310, 3312, 3314, 3316, 3318, 3320, 3322, 3324, 3326, 3328, 3330, 3332, 3334, 3336, 3338, 3340, 3342, 3344, 3346, 3348, 3350, 3352, 3354, 3356, 3358, 3360, 3362, 3364, 3366, 3368, 3370, 3372, 3374, 3376, 3378, 3380, 3382, 3384, 3386, 3388, 3390, 3392, 3394, 3396, 3398, 3400, 3402, 3404, 3406, 3408, 3410, 3412, 3414, 3416, 3418, 3420, 3422, 3424, 3426, 3428, 3430, 3432, 3434, 3436, 3438, 3440, 3442, 3444, 3446, 3448, 3450, 3452, 3454, 3456, 3458, 3460, 3462, 3464, 3466, 3468, 3470, 3472, 3474, 3476, 3478, 3480, 3482, 3484, 3486, 3488, 3490, 3492, 3494, 3496, 3498, 3500, 3502, 3504, 3506, 3508, 3510, 3512, 3514, 3516, 3518, 3520, 3522, 3524, 3526, 3528, 3530, 3532, 3534, 3536, 3538, 3540, 3542, 3544, 3546, 3548, 3550, 3552, 3554, 3556, 3558, 3560, 3562, 3564, 3566, 3568, 3570, 3572, 3574, 3576, 3578, 3580, 3582, 3584, 3586, 3588, 3590, 3592, 3594, 3596, 3598, 3600, 3602, 3604, 3606, 3608, 3610, 3612, 3614, 3616, 3618, 3620, 3622, 3624, 3626, 3628, 3630, 3632, 3634, 3636, 3638, 3640, 3642, 3644, 3646, 3648, 3650, 3652, 3654, 3656, 3658, 3660, 3662, 3664, 3666, 3668, 3670, 3672, 3674, 3676, 3678, 3680, 3682, 3684, 3686, 3688, 3690, 3692, 3694, 3696, 3698, 3700, 3702, 3704, 3706, 3708, 3710, 3712, 3714, 3716, 3718, 3720, 3722, 3724, 3726, 3728, 3730, 3732, 3734, 3736, 3738, 3740, 3742, 3744, 3746, 3748, 3750, 3752, 3754, 3756, 3758, 3760, 3762, 3764, 3766, 3768, 3770, 3772, 3774, 3776, 3778, 3780, 3782, 3784, 3786, 3788, 3790, 3792, 3794, 3796, 3798, 3800, 3802, 3804, 3806, 3808, 3810, 3812, 3814, 3816, 3818, 3820, 3822, 3824, 3826, 3828, 3830, 3832, 3834, 3836, 3838, 3840, 3842, 3844, 3846, 3848, 3850, 3852, 3854, 3856, 3858, 3860, 3862, 3864, 3866, 3868, 3870, 3872, 3874, 3876, 3878, 3880, 3882, 3884, 3886, 3888, 3890, 3892, 3894, 3896, 3898, 3900, 3902, 3904, 3906, 3908, 3910, 3912, 3914, 3916, 3918, 3920, 3922, 3924, 3926, 3928, 3930, 3932, 3934, 3936, 3938, 3940, 3942, 3944, 3946, 3948, 3950, 3952, 3954, 3956, 3958, 3960, 3962, 3964, 3966, 3968, 3970, 3972, 3974, 3976, 3978, 3980, 3982, 3984, 3986, 3988, 3990, 3992, 3994, 3996, 3998, 4000, 4002, 4004, 4006, 4008, 4010, 4012, 4014, 4016, 4018, 4020, 4022, 4024, 4026, 4028, 4030, 4032, 4034, 4036, 4038, 4040, 4042, 4044, 4046, 4048, 4050, 4052, 4054, 4056, 4058, 4060, 4062, 4064, 4066, 4068, 4070, 4072, 4074, 4076, 4078, 4080, 4082, 4084, 4086, 4088, 4090, 4092, 40

DAILY WEATHER REPORT

OCT 17th

1877.

STATIONS,	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.41	31	SW	6	b c	29.50	+ .14	37	37	- 6	SW	4	b	*	43	37	-	
Hernösand ...	29.56	37	SSW	2	b	29.58	+ .11	29	2	- 15	Z	0	b c	*	*	*	-	
Stockholm ...	29.68	39	SW	4	b	29.62	- .11	41	40	- 6	SSW	4	o	*	*	*	-	
Wisby ...	29.82	45	S	4	b c	29.74	- .11	42	?	- 7	W	8	b	*	*	*	0.04	
Christiansund ...	29.50	39	N	8	e	29.46	+ .53	33	33	- 1.1	SSW	9	s	7	39	32	1.58	
Skudesnaes ...	29.76	39	NNN	4	e	29.83	+ .29	37	36	- 6	SW	8	s	0	43	2	0.08	
Oxö (Xtiansand) ...	29.72	40	NSW	4	b	29.74	+ .18	36	33	- 9	NSW	4	c	?	?	?	-	
Skagen (The Sæw) ...	29.70	44	NN	5	b c	29.75	+ .08	37	35	- 9	W	4	o h	4	48	34	0.08	
Fanö ...	29.92	41	NN	4	e	29.84	+ .11	39	38	- 9	WSW	6	e	*	48	37	0.35	
Cuxhaven ...	29.96	?	NW	4	N	30.01	+ .09	40	39	- 5	SW	5	o	*	50	39	0.07	
Sumburgh Head ...	29.84	33	NN	3	e	29.99	+ .38	35	33	- 2	N	6	e	6	39	30	0.08	
Stornoway ...	29.98	34	NNN	3	S	30.23	+ .23	34	33	0	NNW	4	esp	5	38	31	0.40	
Thurso ...	29.93	38	NN	4	o	30.11	+ .32	39	34	+ 1	NNW	5	esp	6	42	33	0.46	
Wick ...	29.94	34	N	3	N	30.11	+ .27	34	32	- 1	NNW	2	os	2	39	29	0.29	
Nairn ...	29.98	35	NNW	1	N	30.21	?	33	32	- 1	NNW	2	b	1	38	32	0.13	
Aberdeen ...	30.00	36	N	1	b	30.10	+ .23	35	32	- 2	NW	5	b	2	40	33	0.05	
Leith ...	30.16	40	SW	3	b c	30.22	+ .26	36	33	- 4	WSW	2	b	*	49	32	0.03	
Shields ...	30.16	37	NNN	4	b	30.21	+ .26	36	34	- 2	NW	2	b	2	46	35	-	
Scarborough ...	30.16	40	N	2	b	30.21	+ .26	40	36	- 4	NW	2	b	3	47	34	-	
York ...	30.21	39	N	1	b	30.26	+ .29	40	36	- 1	NNW	3	b	3	48	34	-	
Nottingham ...	30.29	37	NW	1	b	30.33	+ .30	39	39	- 3	NNW	2	b c	*	47	32	0.01	
Ardrossan ...	30.17	45	N	3	b c	30.27	+ .27	38	35	- 2	NNW	2	b c	1	47	37	0.12	
Greencastle ...	30.23	42	N	2	b	30.31	+ .22	40	39	+ 1	NNW	2	e	*	47	37	0.24	
Donaghadee ...	30.27	42	N	3	b	30.33	+ .26	40	39	- 1	NNW	3	b	2	47	38	0.03	
Kingstown ...	30.33	45	NW	4	b	30.39	+ .28	43	39	+ 1	N	4	b	3	47	40	-	
Holyhead ...	30.28	48	NW	5	e	30.32	+ .28	49	43	?	NW	5	b c	4	49	45	-	
Liverpool (Bidston) ...	30.24	45	NNW	4	e	30.30	+ .28	45	43	+ 1	NNW	5	e	4	47	42	0.10	
Valencia ...	30.41	44	NW	2	b c	30.42	+ .18	45	41	- 3	Z	0	c	2	53	38	0.01	
Roche's Point ...	30.39	46	WSW	2	b c	30.45	+ .23	39	37	- 4	N	2	b c	3	50	36	-	
Pembroke ...	30.37	43	NNW	1	b c	30.45	+ .34	48	43	+ 1	NN	1	b	2	50	42	-	
Portishead ...	30.29	44	NNW	3	b	30.40	+ .33	45	43	- 1	N	4	b	3	51	37	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.35	45	NE	2	b	30.46	+ .29	34	33	- 11	NE	1	b	*	55	32	-	
Hurst Castle ...	30.29	45	N	2	b	30.43	+ .32	46	44	- 1	NNW	2	b	2	53	36	0.01	
Dover ...	30.20	45	NN	3	b	30.34	+ .30	41	38	- 7	WSW	3	b	3	54	38	-	
London ...	30.26	44	NW	2	b	30.38	+ .31	38	36	- 9	N	3	b	*	50	34	0.03	
Oxford ...	*	*	*	*	*	30.37	+ .32	37	35	- 8	WSW	1	b	*	46	34	0.09	
Cambridge ...	30.24	41	NN	1	b	30.32	+ .29	38	36	- 8	SW	2	b	*	?	32	-	
Yarmouth ...	30.16	45	NN	4	b	30.23	+ .26	40	38	- 6	N	4	b	3	50	36	-	
The Helder ...	*	*	*	*	*	30.12	+ .25	46	43	- 5	WSW	4	o	*	*	*	0.20	
Cape Gris Nez ...	30.19	48	NN	6	e	30.40	+ .34	46	43	- 6	NN	5	b c	5	55	43	-	
Jersey ...	30.38	49	N	4	b c	30.48	+ .27	50	45	- 3	Z	0	b	0	56	49	0.09	
Brest ...	30.43	57	NNN	3	b	30.47	+ .15	48	46	- 6	ENE	2	o	3	57	43	0.04	
L'Orient ...	30.43	52	NNW	5	b c	30.50	+ .14	45	43	- 10	ENE	3	b c	3	59	39	-	
Rochefort ...	30.40	61	NNW	5	o	30.49	+ .10	45	43	- 10	E	4	b	3	64	?	-	
Biarritz ...	30.42	63	N	1	b c	30.40	- .12	52	48	- 2	Z	0	b	5	?	46	-	
Corunna ...	*	*	*	*	*	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	*	*	*	*	*	30.37	+ .19	39	*	- 5	WSW	6	o	*	*	*	-	
Charleville ...	*	*	*	*	*	30.28	+ .09	252	*	+ 6?	Z	0	b	*	*	*	-	
Paris ...	30.25	47	N	3	b c	30.47	+ .16	41	39	- 5	NN	1	b	*	*	*	0.08	
Lyons ...	*	*	*	*	*	30.46	- .02	51	*	+ 4	NN	2	c	*	*	*	-	
Toulon ...	30.19	55	NN	4	b	?	?	50	45	- 2	?	7	b	7	63	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ..	29.72	41	36	nn	6	o	5	Valencia	30.36	51	46	nn	1	b	2
Thurso	29.92	35	34	nnn	5	e	6	Scilly							
Scarborough ...	30.10	45	40	nn	3	b c	3	London	30.16	47	44	nnn	3	o	*
Greencastle ...	30.21	39	38	n	3	n	*	Rochefort ...	30.39	63	57	nnn	5	b c	4
Holyhead	30.23	46	40	nnn	5	b c	4								

Weather is clear at Valencia, cloudy to dull elsewhere, with rain at Monte. Wind is NW³ on all coasts. Barometer is rising everywhere though the change has been very slight at Valencia since noon.

EXPLANATION OF COLUMNS.

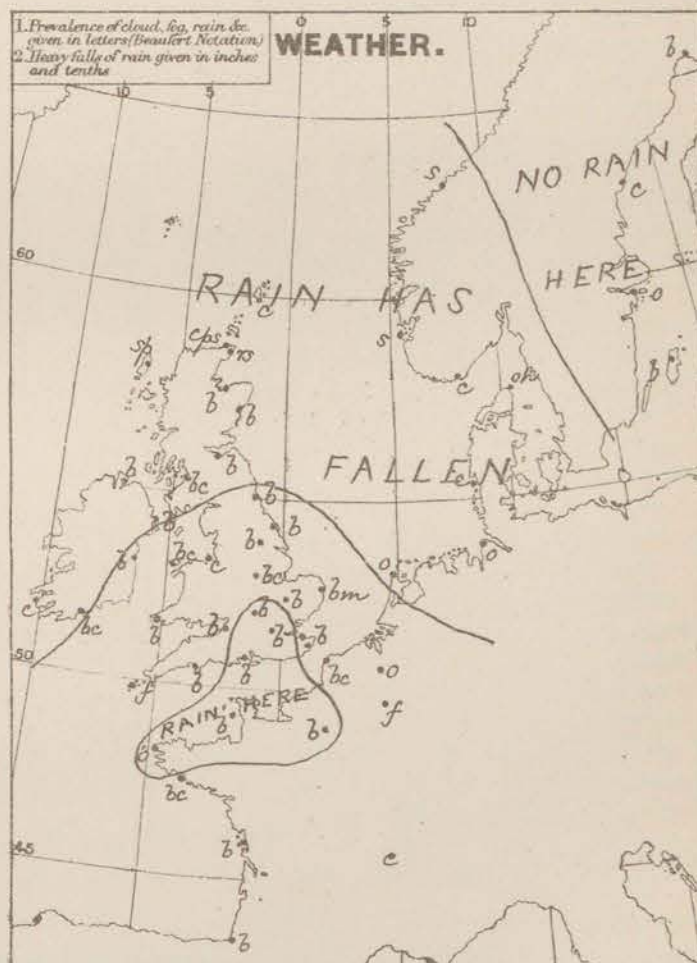
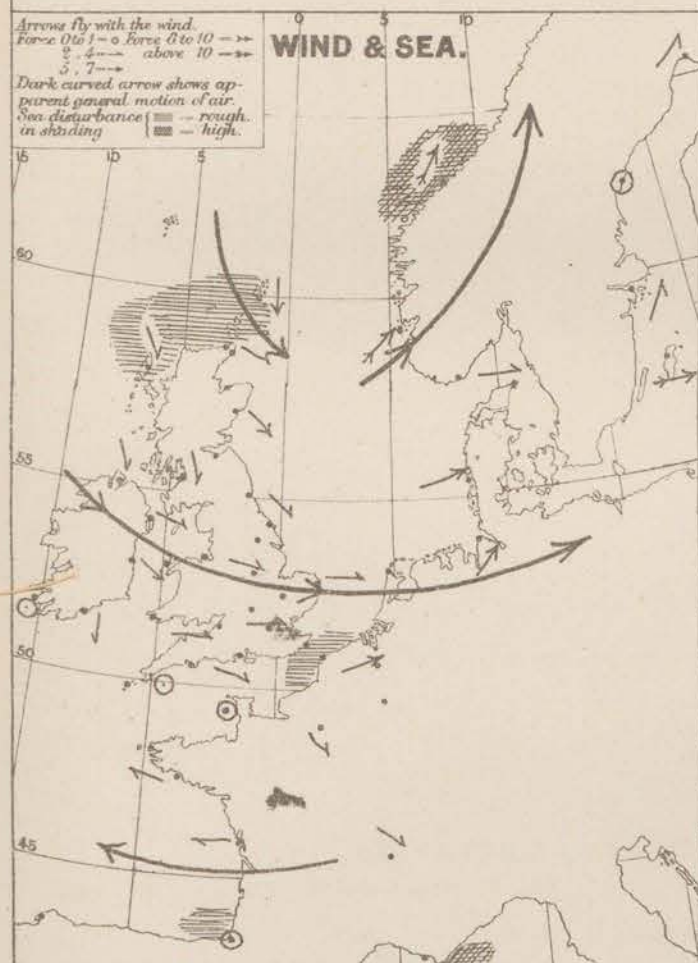
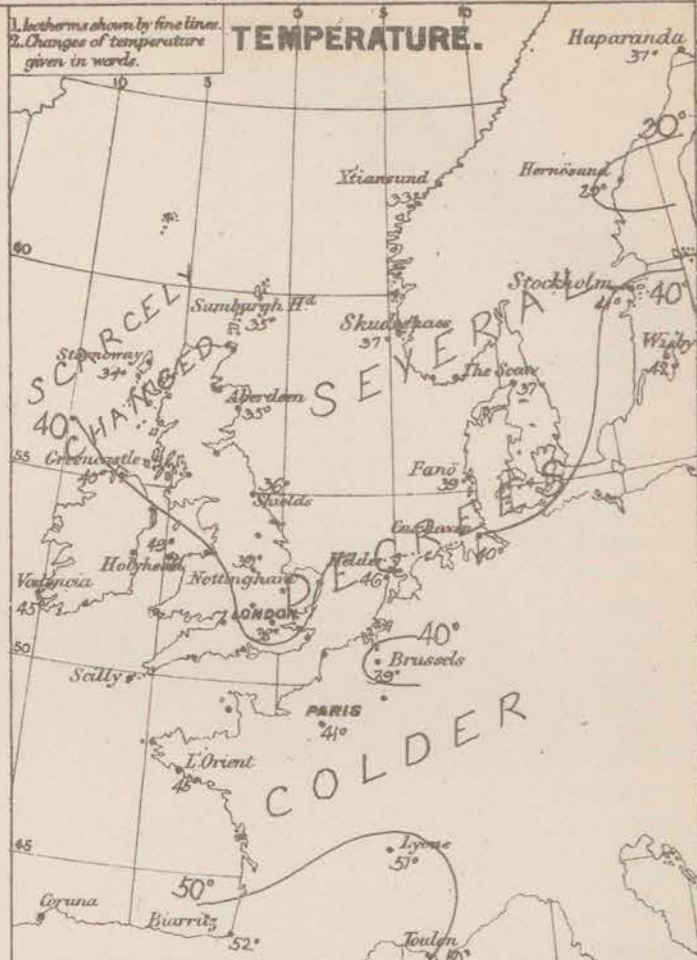
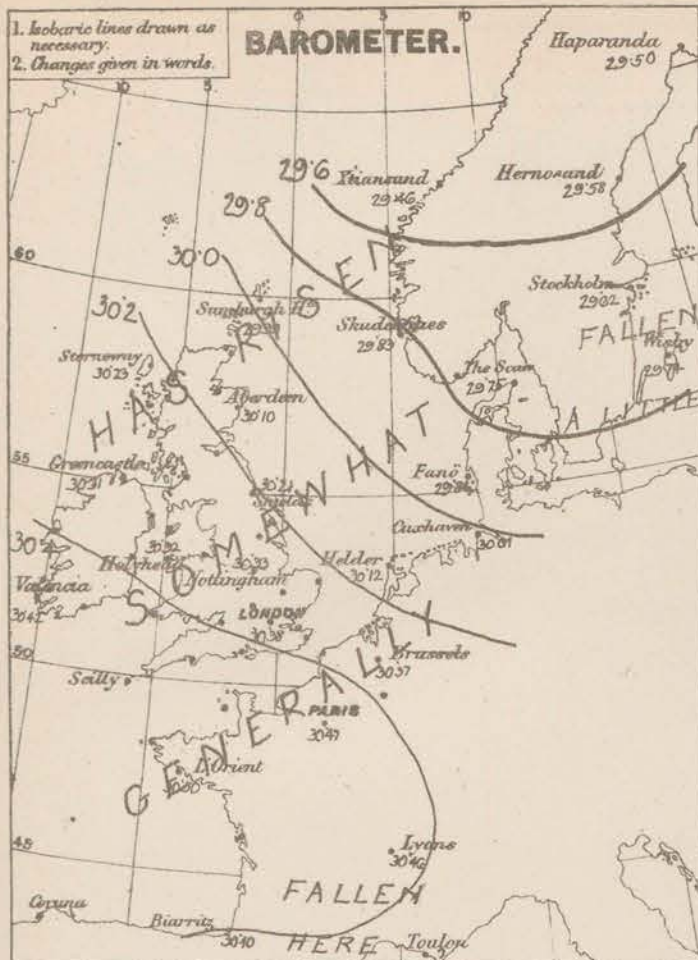
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 17th OCT^r 1877.



REMARKS. Weather is clear over the greater part of these Islands and France, but is cloudy, with snow, in the north of Scotland and the west of Norway. Snow showers have fallen at our more northern stations, and rain in the south and west. Temperature has fallen generally, as much as 10° in the eastern shore of the North Sea and in the west of France; it is very low everywhere and during the night fell some degrees below freezing point over Scotland and as low as 32° at Nottingham, Plymouth and Cambridge; in London it fell to 36° in the shade, and thick hoar frost was formed. Wind is NW to W over these Islands, E over France and SW over the countries to the E of the North Sea; it is generally light or moderate on our coast and the French coast, but blows a gale in the west of Norway. Sea is high at Christiansund, rough in the north of Scotland and at Cape Breton, moderate or slight elsewhere.

Barometrical Indications. A further increase of pressure has occurred over the greater part of Western Europe but during the night the barometer has begun to fall again in the south west of France, the south of Ireland and at Christiansund. Gradients are rather steep between the Scotch and Norwegian coasts.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

OCT 18TH 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 ...	29.58	35	SW	2	b	29.73	+23	36	36	-1	SW	2	f	*	?	28	-	
Hernösand ...	29.62	20	Z	0	b	29.67	+09	27	9	-2	Z	0	b.c	*	*	*	-	
Stockholm ...	29.69	35	SW	2	b.c	29.68	-06	34	33	-8	N	2	0	*	*	*	-	
Wisby ...	29.77	37	S	4	b	29.65	+19	39	37	-8	N	9	0	*	*	*	0.16	
Christiansund ...	29.83	36	NW	6	c	29.84	+38	34	32	+1	NW	2	b.c	6	36	30	-	
Skudesnaes ...	29.90	36	NW	6	c	30.01	+18	34	33	-3	ENE	2	s	2	?	?	-	
Oxö (Xtiansand) ...	29.79	37	NW	4	b	29.92	+18	37	31	+1	NW	2	b	2	31	30	-	
Skagen (The Sæw) ...	29.75	38	NW	3	c	29.87	+12	37	35	0	NNE	4	h	3	43	34	0.08	
Fanö ...	29.93	42	NW	6	c	29.99	+15	42	38	+3	NW	4	eph	*	45	36	0.16	
Cuxhaven ...	29.99	3	NW	6	N	30.09	+08	45	44	+5	NW	7	N	*	46	37	0.20	
Sumburgh Head ...	30.12	40	N	4	c	30.05	+06	39	37	+2	NNE	1	c	2	40	33	0.04	
Stornoway ...	30.27	35	NW	1	o	30.15	-08	36	35	-1	N	2	b.c	4	38	32	0.10	
Thurso ...	30.21	37	NW	4	o	30.11	00	38	37	-1	SW	2	c	4	44	35	0.20	
Wick ...	30.22	35	N	3	o	30.13	+02	36	35	+2	N	1	o	0	39	31	0.06	
Nairn ...	30.27	36	NW	1	c	30.17	-04	37	35	+4	NW	1	b.c	1	40	32	-	
Aberdeen ...	30.23	38	NW	3	b	30.17	+07	35	33	0	N	1	b	1	41	32	-	
Leith ...	30.30	40	N	2	e	30.23	+01	37	34	+1	N	2	c	*	47	32	-	
Shields ...	30.33	39	NW	3	b.c	30.29	+08	31	29	-5	N	2	b.m	3	45	30	-	
Scarborough ...	30.31	39	NW	2	b	30.31	+10	35	33	-5	WSW	2	b	3	44	31	-	
York ...	30.34	39	NW	2	b	30.34	+08	29	29	-11	NW	1	b	*	48	27	-	
Nottingham ...	30.38	38	Z	0	b	30.36	+03	37	36	-2	Z	0	c	*	49	36	-	
Ardrossan ...	30.33	38	NW	1	b.c	30.25	-02	37	36	-1	SE	1	b.c	1	48	33	-	
Greencastle ...	30.33	40	N	2	b	30.24	-07	38	38	-2	ENE	1	o	*	49	32	-	
Donaghadee ...	30.27	41	N	2	b	30.29	-04	36	36	-4	WSW	1	e	0	48	32	-	
Kingstown ...	30.39	46	WSW	3	b	30.29	-10	47	45	+4	S	3	c	2	49	41	-	
Holyhead ...	30.37	44	NW	2	c	30.32	00	42	41	-7	SSW	1	c	1	50	40	-	
Liverpool (Bidston) ...	30.36	43	NW	1	b.c	30.35	+05	40	40	-5	SE	1	b	1	48	40	0.19	
Valencia ...	30.32	49	SE	4	c	30.20	-22	53	50	+8	SE	4	b.c	4	53	41	-	
Roche's Point... ..	30.39	49	SE	4	c	30.26	-19	52	50	+13	S	4	o	3	52	39	-	
Pembroke ...	30.30	46	Z	0	b.c	30.33	-12	45	44	-3	E	2	o	2	57	41	-	
Portishead ...	30.39	47	NW	2	b.c	30.37	-03	35	34	-10	NW	1	b	1	54	30	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.40	47	Z	0	b	30.34	-12	44	43	+10	ENE	2	b.c	*	53	34	-	
Hurst Castle ...	30.37	47	NW	2	c	30.38	-05	41	42	-5	NNE	2	c	2	52	35	-	
Dover ...	30.38	45	NW	3	c	30.37	00	40	36	-1	NW	1	b	1	51	36	0.01	
London ...	30.39	46	NW	2	b	30.39	+01	33	33	-5	Z	0	b	*	52	32	-	
Oxford ...	...	...	...	...	...	30.40	+03	28	28	-9	Z	0	b	*	56	28	-
Cambridge ...	30.38	40	NW	1	e	30.36	+04	35	34	-3	SW	1	c	*	49	28	-	
Yarmouth ...	30.32	41	NW	3	b	30.33	+10	31	30	-9	N	2	f	3	46	28	-	
The Helder ...	...	...	...	...	...	30.23	+11	44	41	-2	N	2	o	*	*	*	0.35
Cape Gris Nez ...	30.38	46	NW	4	c	30.38	-02	45	39	-1	NW	1	b	0	54	43	-	
Jersey ...	30.45	48	NW	1	c	30.39	-09	48	44	+2	S	2	o	2	54	46	-	
Brest ...	30.42	57	SE	2	o	30.34	-13	48	46	0	SE	3	o	3	57	45	-	
L'Orient ...	30.44	48	SE	3	o	30.35	-15	46	43	+1	E	4	o	3	54	42	-	
Rochefort ...	30.39	57	SE	4	b	30.28	-15	45	43	0	E	4	o	3	63	41	-	
Biarritz ...	30.29	63	NE	2	b.c	30.21	-19	46	45	-6	SE	2	o	3	66	?	-	
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	30.35	-02	38	...	-1	WSW	6	c	*	*	*	0.24
Charleville ...	...	...	...	...	...	30.31	+03	34	...	-18	SE	1	f	*	*	*	*
Paris ...	30.03	46	NW	3	b	30.41	-06	38	37	-3	NW	1	c	*	*	*	*	
Lyons ...	...	...	...	...	...	30.42	-04	47	...	-4	N	2	c	*	*	*	*
Toulon ...	30.14	52	NW	6	c	30.20	?	54	46	+4	E	4	o	3	59	50	-	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.				
Skudesnaes ...	29.84	38	36	NNW	6	S	4	Valencia	30.36	50	46	SE	4	c	4
Thurso	30.19	41	37	N	5	c	5	Scilly							
Scarborough ...	30.28	43	38	NNW	4	b	4	London	30.36	52	44	NN	3	b.c	*
Greencastle ...	30.35	47	42	NNW	2	o	*	Rochefort ...	30.39	63	54	ESE	4	16	3
Holyhead	30.38	49	44	NNW	4	c	3								

Weather is fine over England, cloudy in the W. At Valencia the wind has shifted to SE. and the barometer fallen. Warnings sent to our N. and SW coasts: - Barometer falling again Valencia, with SE. wind. Hott south coast Wednesday 3.40 p.m.

EXPLANATION OF COLUMNS.

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

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

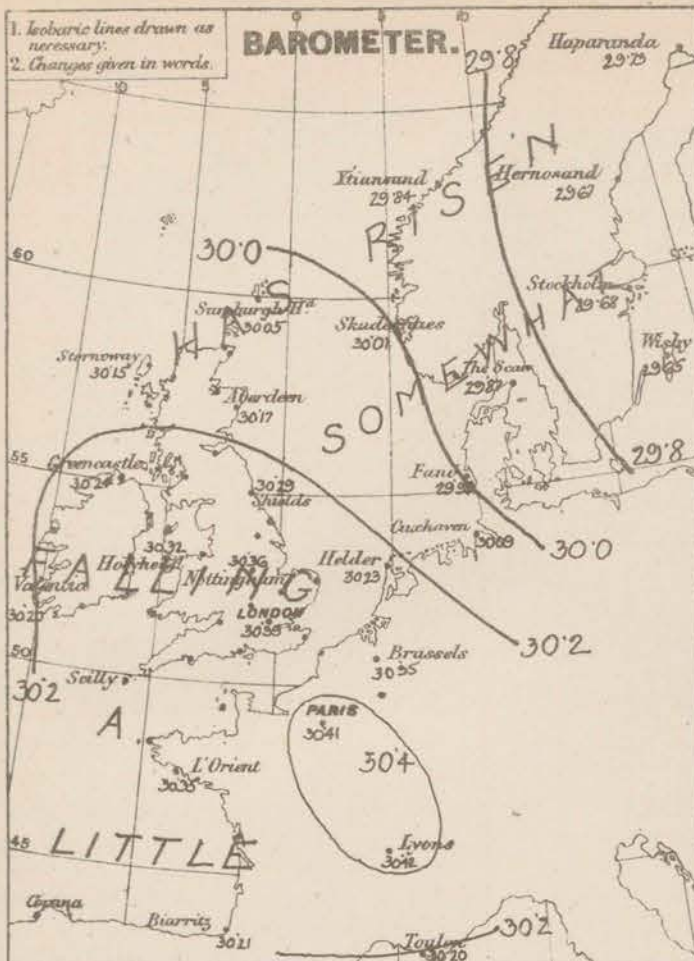
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Thursday 18th OCT^r 1877.

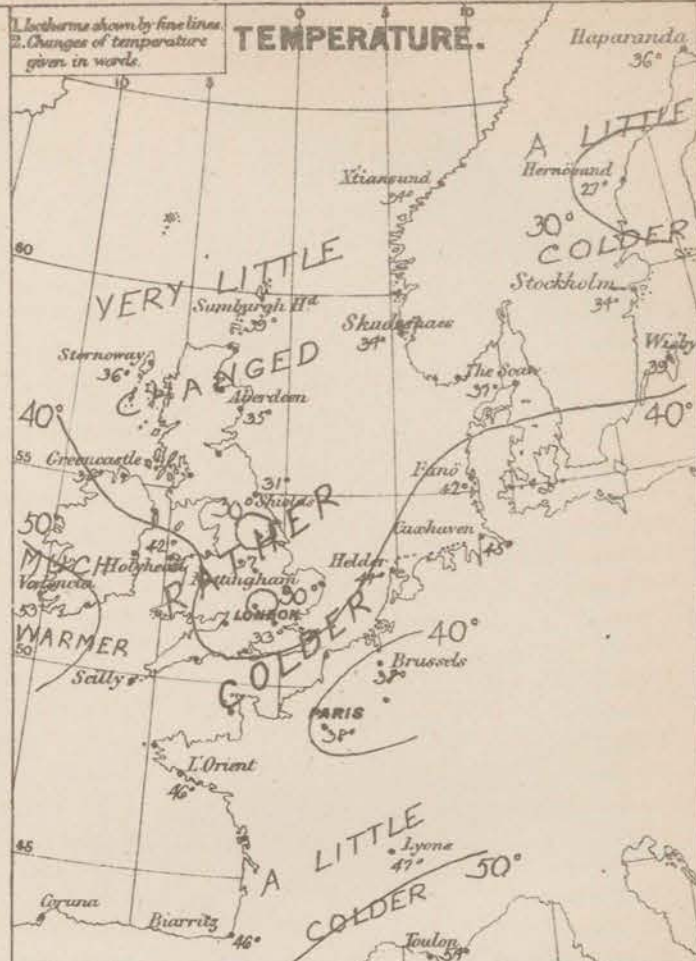
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



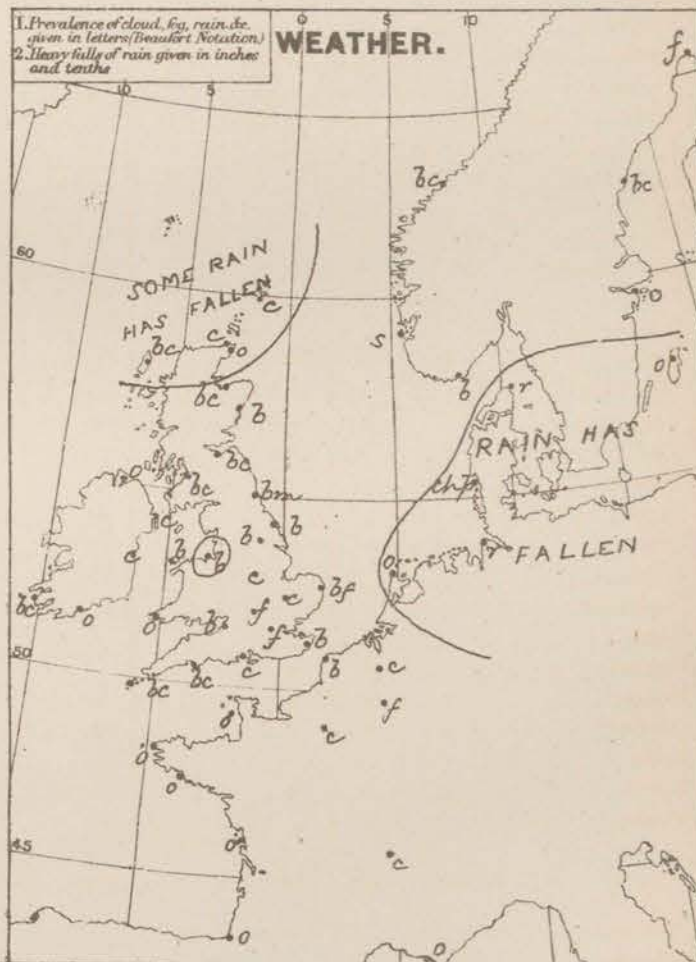
- Arrows fly with the wind.
Force 0 to 1 — a Force 2 to 10 —
2, 4, 6, 8, 10 — above 10 —
5, 7, 9 —
- Dark curved arrow shows apparent general motion of air.
Sea disturbance: — rough in shading — high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is moderately clear at most of our stations, but rather cloudy in the extreme west and north, as well as on the Continent generally, rain is falling at the Lanes and Cuxhaven, and snow or hail shown at Rudolfsheim and Farn. Showers fell in the north of Scotland and in Denmark yesterday. Temperature has risen several degrees in the south of Ireland and to a less extent in Scotland and on the eastern shores of the North Sea but has fallen fast over England, where temperature is now very low. It varies from 35° to 38° in Scotland, from 38° to 53° in Ireland and from 28° (at Belfast) to 47° in England. During the past night the thermometers fell to 27° at York, to 28° at Oxford, Cambridge and Warrington and to 32° in London. Wind is E over France, S over our western coasts, W in the north, and NW over Denmark and North Germany; it is light in force except at Cuxhaven and Wismar. Sea is moderate to slight.

Barometrical Observations. Pressure is giving way slowly over the whole of these Islands and the west of France but is rising on the eastern shores of the North Sea. A large anticyclone lies over England and France. Readings were sent to our west and SW coasts yesterday as follows:— "Barometer falling again in Valentia, with SE wind. Hail with snow. Wednesday 3.40pm."

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

OCT 19TH

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).		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.	Amount of Rainfall.	
Haparanda ...	29.77	30	Z	0	b	29.56	-17	34	33	-2	N	2	o	*	37	28	-	
Hernösand ...	29.76	31	N	4	b	29.73	+06	28	?	+1	NW	6	b	*	*	*	-	
Stockholm ...	29.72	35	NW	4	o	29.75	+07	28	28	-6	NW	4	b	*	*	*	-	
Wisby ...	29.72	39	N	8	s	29.78	+13	37	32	-2	NW	9	b-c	*	*	*	-	
Christiansund ...	29.96	34	NNW	6	o	29.91	+07	36	35	+2	N	5	o	5	36	32	0.71	
Skudesnaes ...	30.03	35	NNE	4	b	30.10	+07	33	32	-1	ENE	1	e	1	37	?	-	
Oxö (Årland) ...	29.95	38	NW	4	b-c	30.05	+13	33	29	-4	NNW	4	b	2	41	32	-	
Skagen (The Seaw)	29.92	42	N	3	e	30.01	+14	40	34	+8	NNE	3	b	3	43	36	-	
Fanö ...	30.04	41	N	4	e	30.06	+07	37	35	-5	N	3	b	*	45	36	0.16	
Cuxhaven ...	30.13	?	N	5	N	30.10	+01	46	44	+1	N	5	e	*	?	37	0.46	
Sumburgh Head	30.11	37	NNE	2	b-c	30.10	+05	40	36	+1	Z	0	e	0	45	35	0.09	
Stornoway ...	30.13	35	NW	1	b	30.02	-13	44	43	+8	ESE	1	o	4	45	33	0.01	
Thurso ...	30.15	42	NNW	1	e	30.08	-03	31	30	-7	S	1	b-m	2	51	29	0.03	
Wick ...	30.16	38	NN	1	b	30.08	-05	31	29	-5	S	1	b	0	46	27	0.08	
Nairn ...	30.17	37	N	1	b-c	30.08	-09	35	33	-2	Z	0	b	0	45	32	-	
Aberdeen ...	30.17	42	NNW	1	b	30.10	-07	34	32	-1	Z	0	b-m	1	48	29	-	
Leith ...	30.18	39	SW	1	e	30.08	-15	42	42	+5	S	1	N	*	49	36	0.03	
Shields ...	30.24	45	WSW	3	o	30.15	-14	43	42	+12	SW	2	f-d	2	50	30	-	
Scarborough ...	30.25	44	WSW	2	e	30.18	-13	43	42	+8	WSW	2	m	2	48	35	0.03	
York ...	30.26	45	SW	1	o	30.19	-15	43	43	+14	S	1	o	*	54	28	0.24	
Nottingham ...	30.30	42	SW	1	e	30.24	-12	42	42	+5	S	1	m	*	52	36	0.01	
Ardrossan ...	30.19	50	S	2	o	30.06	-19	46	43	+9	E	2	N-m	2	53	37	0.29	
Greencastle ...	30.17	45	S	1	N	29.97	-27	49	49	+11	ESE	1	m	*	49	37	0.45	
Donaghadee ...	30.21	43	SSW	2	N	30.05	-24	49	49	+13	SSW	2	N	1	53	36	0.18	
Kingstown ...	30.21	52	S	1	o	30.08	-21	51	50	+4	S	3	e	3	53	46	0.09	
Holyhead ...	30.23	52	SSW	3	e	30.14	-18	52	49	+10	SSW	5	o	3	53	41	-	
Liverpool (Bidston)	30.25	47	S	1	o	30.17	-18	46	45	+6	S	1	o	1	51	?	0.02	
Valencia ...	30.13	55	SSE	4	o	30.05	-15	55	55	+2	SSW	4	od-g	4	57	52	0.56	
Roche's Point...	30.20	49	SSE	5	e	30.12	-14	55	54	+8	SSW	4	e	4	57	45	0.59	
Pembroke ...	30.26	52	S	3	e	30.20	-13	52	48	+7	SW	4	o	3	53	45	0.04	
Portishead ...	30.28	44	Z	0	b	30.23	-14	47	45	+12	WSW	2	b	1	55	34	-	
Seilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.29	48	SE	1	b	30.26	-03	51	47	+7	SSE	3	o	*	56	43	-	
Hurst Castle ...	30.28	50	E	2	e	30.27	-11	43	43	+2	N	2	e	2	52	35	-	
Dover ...	30.34	44	NNW	2	b	30.29	-08	48	45	+8	WSW	3	b-c	2	50	32	-	
London ...	30.34	46	N	1	b-m	30.29	-10	37	36	+4	Z	0	b-f	*	50	32	-	
Oxford ...	...	...	...	...	...	30.26	-14	40	39	+12	S	1	o	*	52	28	-
Cambridge ...	30.31	48	NN	1	b	30.25	-11	41	40	+6	S	1	o	*	54	31	-	
Yarmouth ...	30.31	43	NN	1	b	30.26	-07	43	41	+12	SW	2	f	2	46	30	-	
The Helder ...	...	...	...	...	...	30.21	-02	49	45	+5	N	3	e	*	*	*	0.04
Cape Gris Nez	30.34	48	SW	2	e	30.32	-06	45	41	0	SSW	2	e	2	52	39	-	
Jersey ...	30.33	47	NE	1	b	30.31	-08	47	44	-1	SE	3	om	3	55	45	-	
Brest ...	30.30	57	SE	2	b	30.29	-05	48	46	0	SE	2	o	3	57	45	-	
L'Orient ...	30.28	48	E	4	b-c	30.29	-06	43	39	-3	E	4	e	3	57	39	-	
Rochefort ...	30.20	55	NE	4	o	30.19	-09	39	37	-6	E	5	b	3	61	?	-	
Biarritz ...	30.14	61	Z	0	A	30.13	-08	54	52	+8	SSW	1	o	2	61	45	0.04	
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	30.34	-01	38	...	0	N	6	b	*	*	*	*
Charleville ...	...	...	...	...	...	30.27	-04	30	...	-4	SE	1	f	*	*	*	*
Paris ...	30.35	46	NE	2	b	30.36	-05	35	35	-3	NE	1	f	*	*	*	*	
Lyons ...	...	...	...	...	...	30.34	-08	45	...	-2	SW	2	o	*	*	*	*
Toulon ...	30.21	57	S	2	b	30.18	-02	54	50	0	NE	3	o	3	63	54	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.97	37	36	N N W	2	Nh	2	Valencia	30.46	56	53	SE	4	0	5
Thurso	30.13	49	43	N N W	3	b c	4	Seilly							
Scarborough ...	30.26	47	42	N S W	2	b c	3	London	30.35	49	42	N S W	1	6	*
Greencastle ...	30.20	46	45	S S W	1	o	*	Rochefort ...	30.26	57	46	E	3	0	3
Holyhead	30.27	49	47	S S W	2	o g	2								

No important change

The warning signals have been lowered again in the N. and S.W.

EXPLANATION OF COLUMNS.

WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. 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.

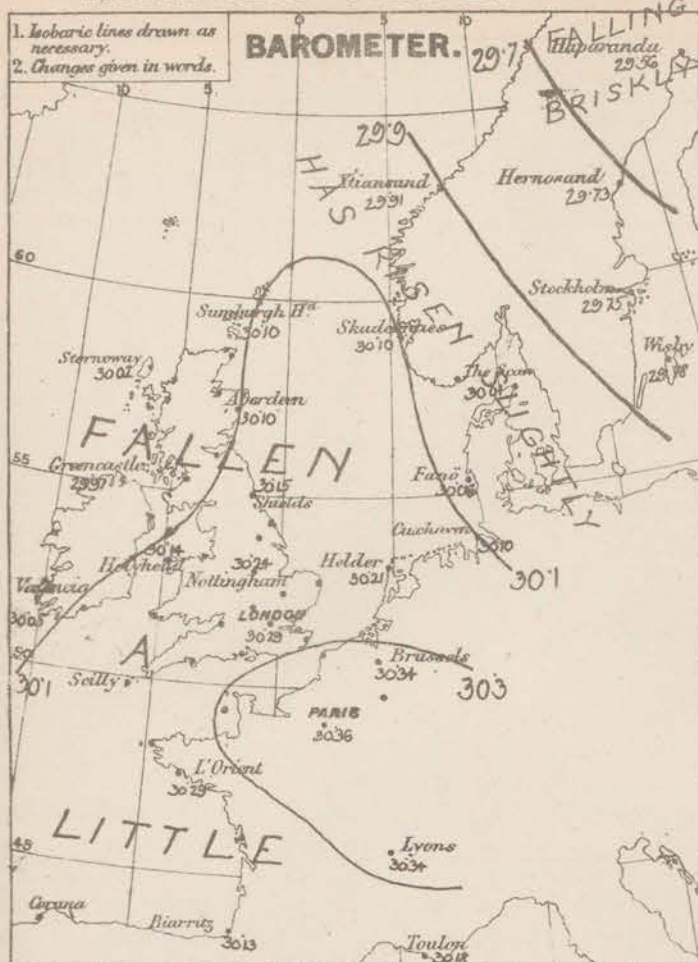
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. Paris time in France.

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 19th OCT^r 1877.

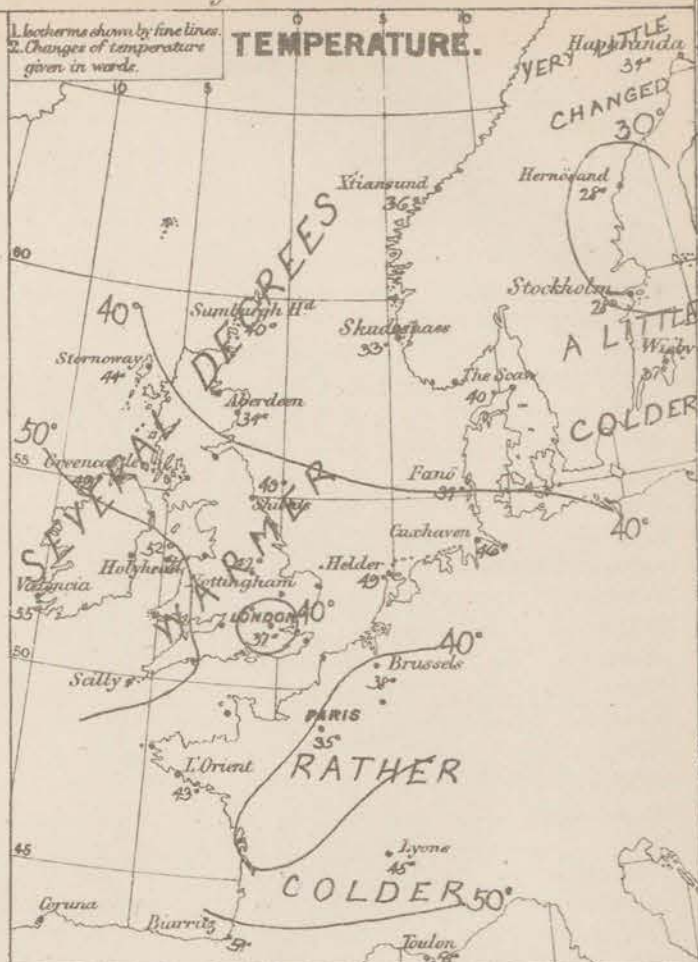
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



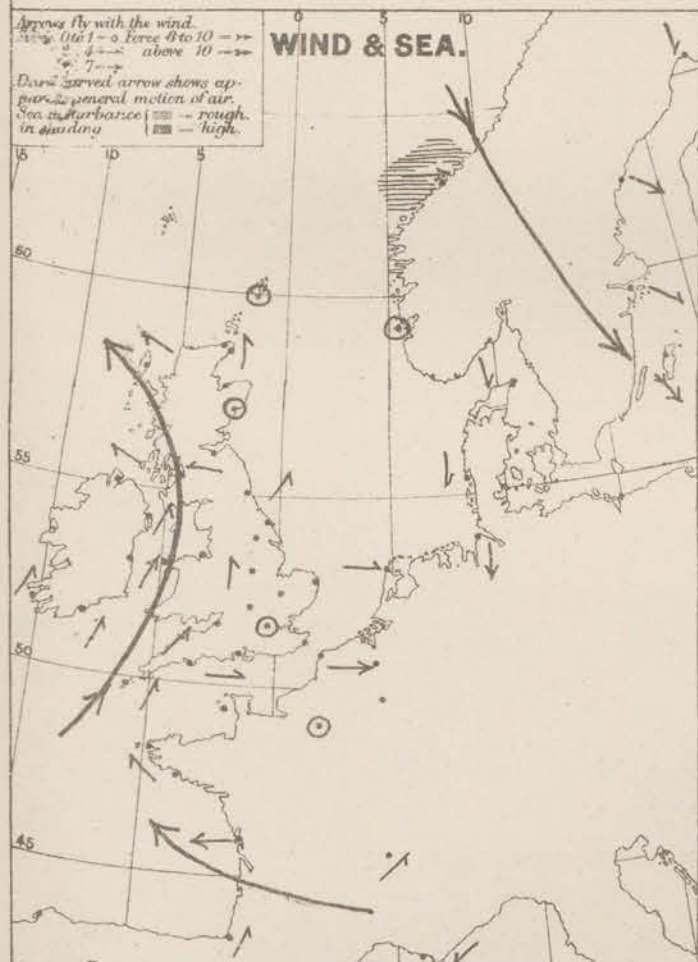
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



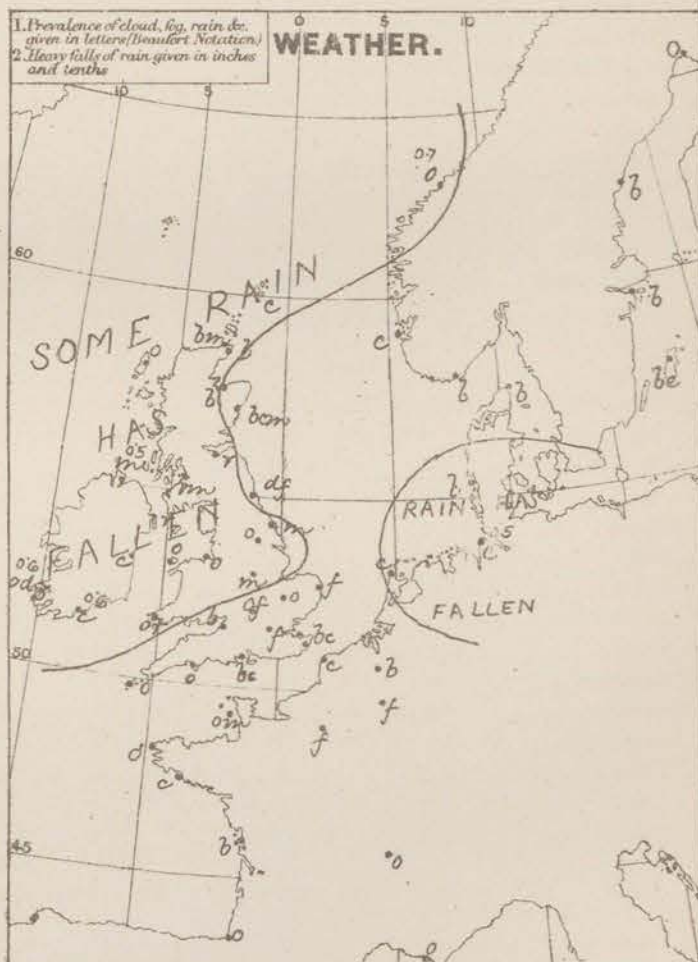
1. Arrows fly with the wind.
2. Dashed arrow shows apparent general motion of air.
3. Sea in harbour (rough in squalling) high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is still clear in the north east of Scotland, as well as over Denmark, and Sweden, but is cloudy or dull elsewhere; rain is falling at many of our western stations and at Shields and Leeds, mist or fog is reported in the east and south east. Rain fell yesterday in the west and north, rather heavily in the south of Ireland. Temperature has risen fast over the greater part of England and Ireland - as much as 14° at York - but has fallen in the north east of Scotland and over France; Rochefort is now as low as 39° and Paris as 35°. The thermometer ranges from 31° to 46° over Scotland, from 49° to 55° over Ireland and from 37° to 52° in England; it is now below freezing point in Scotland and fell to 27° at Trich, to 30° at Yarmouth, and to 32° in London and Dover in the shade last night. Wind is light on all coasts, from E. over France, from S. over these Islands, and from NW on the eastern shores of the North Sea. Sea is slight. Barometrical Indications. Pressure is still increasing slowly over Denmark and the north of Scandinavia but is giving way elsewhere. It is highest over the north east of France and the Netherlands, and low both to the NW of these Islands and in Sweden. At Haparanda the mercury has fallen briskly during the night. The warning signals were lowered in the west and south-west yesterday afternoon.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

OCT 20th

1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.								PAST 24 HOURS.		
	Barometer at 5.30 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 8.30 P.M. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 A.M. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.39	38	NW	4	b c	29.39	-17	25	24	-9	NW	2	b c	*	18	0.16	
Hernösand ...	29.67	31	Z	0	b	29.56	-17	36	32	+8	N	2	0	*	*	-	
Stockholm ...	29.76	36	W	2	c	29.74	-01	36	32	+8	SW	4	0	*	*	-	
Wisby ...	29.84	39	NNW	8	b c	29.57	+09	40	36	+3	W	6	c	*	*	-	
Christiansund ...	29.78	38	SSW	7	N	29.80	-11	36	33	0	NW	5	0	5	39	34	
Skudesnaes ...	30.03	39	NSW	1	0	29.89	-21	42	42	+9	NSW	4	N	3	2	34	
Oxö (Xtiansand) ...	30.04	39	NW	4	c	29.92	-13	42	38	+9	WSW	4	b	2	43	?	
Skagen (The Scaur) ...	29.99	39	NW	3	c	29.91	-10	44	39	+4	NNW	4	0	3	?	34	
Fanö ...	30.11	41	WSW	2	0	No observations taken at 8 a.m.								*			
Cuxhaven ...	30.20	?	NSW	8	b	30.06	-04	46	46	0	WSW	4	0	*	?	39	
Sumburgh Head ...	29.91	40	Z	0	b	29.97	-13	40	38	0	NNE	2	b c	2	49	37	
Stornoway ...	29.95	45	Z	0	0	29.95	-07	42	41	-2	S	1	0	3	46	33	
Thurso ...	29.96	41	Z	0	b c	29.98	-10	31	30	0	SSW	1	b m	1	52	28	
Wick ...	29.97	38	NW	1	b	29.99	-09	31	30	0	W	1	0	20	53	?	
Nairn ...	30.05	43	Z	0	b	29.98	-10	35	34	0	Z	0	m o	1	45	32	
Aberdeen ...	29.96	45	Z	0	c	29.96	-14	35	34	+1	SW	1	c m	0	47	34	
Leith ...	29.95	47	E	2	N	29.98	-10	46	46	+4	Z	0	o f	*	48	41	
Shields ...	30.01	48	SSW	4	0	30.03	-12	49	48	+6	Z	0	d m	2	52	42	
Scarborough ...	30.07	47	SW	2	N	30.04	-14	49	48	+6	WSW	2	b	2	49	42	
York ...	30.08	48	S	1	N	30.03	-16	48	47	+5	SW	1	b	N	51	41	
Nottingham ...	30.16	48	SSW	3	N	30.11	-13	47	46	+5	SW	1	o f	*	56	41	
Ardrossan ...	29.96	47	NNE	2	N	29.93	-08	49	48	+3	NE	1	o f	0	49	45	
Greencastle ...	29.95	54	W	1	0	29.94	-03	50	49	+1	SE	2	0	*	56	48	
Donaghadee ...	29.99	50	WSW	3	c	30.00	-05	48	48	-1	S	2	0	1	52	46	
Kingstown ...	30.04	54	SE	1	b c	30.00	-08	51	50	0	SSW	1	c	1	59	49	
Holyhead ...	30.07	54	SW	5	m	30.03	-11	51	51	-1	SW	2	b	1	56	50	
Liverpool (Bidston) ...	30.07	51	SW	4	0	30.05	-12	48	48	+2	S	1	b c	1	53	45	
Valencia ...	30.05	55	S	1	c	29.88	-17	56	56	+1	SE	6	N g	5	59	53	
Roche's Point... ..	30.08	54	SSW	4	0	29.98	-14	54	53	-1	SSW	4	0	4	59	53	
Pembroke ...	30.13	55	SSW	4	0	30.07	-13	55	54	+3	SW	4	o m	4	56	52	
Portishead ...	30.19	47	SW	3	b c	30.13	-10	48	46	+1	SW	3	0	3	56	42	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.23	51	S	2	b	30.15	-11	51	49	0	SW	2	c	*	55	43	
Hurst Castle ...	30.21	53	SW	2	0	30.17	-10	55	53	+12	WSW	2	b	2	61	41	
Dover ...	30.27	50	WSW	3	b c	30.18	-11	50	47	+2	WSW	3	b	2	53	47	
London ...	30.24	50	WSW	2	b	30.17	-12	47	45	+10	WSW	2	b	*	55	37	
Oxford ...	...	...	...	...	...	30.14	-12	46	44	+6	SW	1	b	*	54	40
Cambridge ...	30.20	51	SSW	1	0	30.13	-12	46	45	+5	SSW	1	N	*	57	40	
Yarmouth ...	30.18	50	SW	2	b c	30.12	-14	47	45	+4	WSW	3	b m	2	52	42	
The Helder ...	...	...	...	...	...	30.06	+15	51	48	+2	SW	4	N	*	*	*
Cape Gris Nez ...	30.28	50	SW	3	b c	30.20	-12	50	48	+5	SW	4	b c	3	52	43	
Jersey ...	30.30	48	SE	3	b	30.24	-07	49	45	+2	SW	3	b	2	51	45	
Brest ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
L'Orient ...	30.26	50	E	3	b	30.25	-04	41	39	-2	E	2	b	2	54	39	
Rochefort ...	30.17	52	ENE	4	0	30.23	+04	39	37	0	NE	3	b	3	61	36	
Biarritz ...	30.13	62	NNE	2	N	30.25	+12	52	48	-2	S	2	b c	3	?	48	
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	30.26	-08	43	...	+5	SW	6	0	*	*	*
Charleville ...	...	...	...	...	...	30.35	+03	36	...	+6	S	1	c	*	*	*
Paris ...	30.31	46	E	3	b	30.28	-08	36	34	+1	E	1	b	*	*	*	
Lyons ...	...	...	...	...	...	30.36	+02	45	...	0	NNE	2	b	*	*	*
Toulon ...	30.56	55	E	2	c	30.25	+07	52	46	-2	NE	4	b	3	64	?	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.06	37	36	N	2	h o N	2	Valencia	30.06	58	55	W S W	1	c	2
Thurso	29.99	49	46	S	1	b c	2	Scilly							
Scarborough ...	30.12	49	48	SW	1	o f	2	London	30.25	55	48	S S W	2	a	*
Greencastle ...	29.95	55	54	W S W	2	0	*	Rochefort ...	30.20	59	48	E	4	c	3
Holyhead	30.09	53	53	SW	5	m	3								

Pressure increased slightly at Valencia during the morning; this has ceased since noon and the barometer is falling generally with a light SW² wind.

EXPLANATION OF COLUMNS.

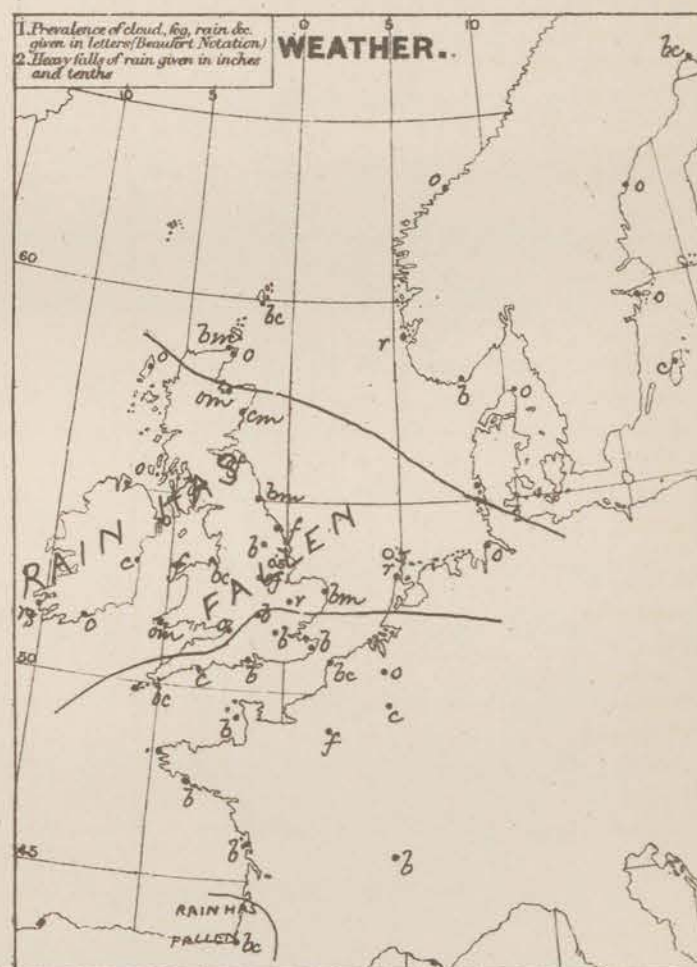
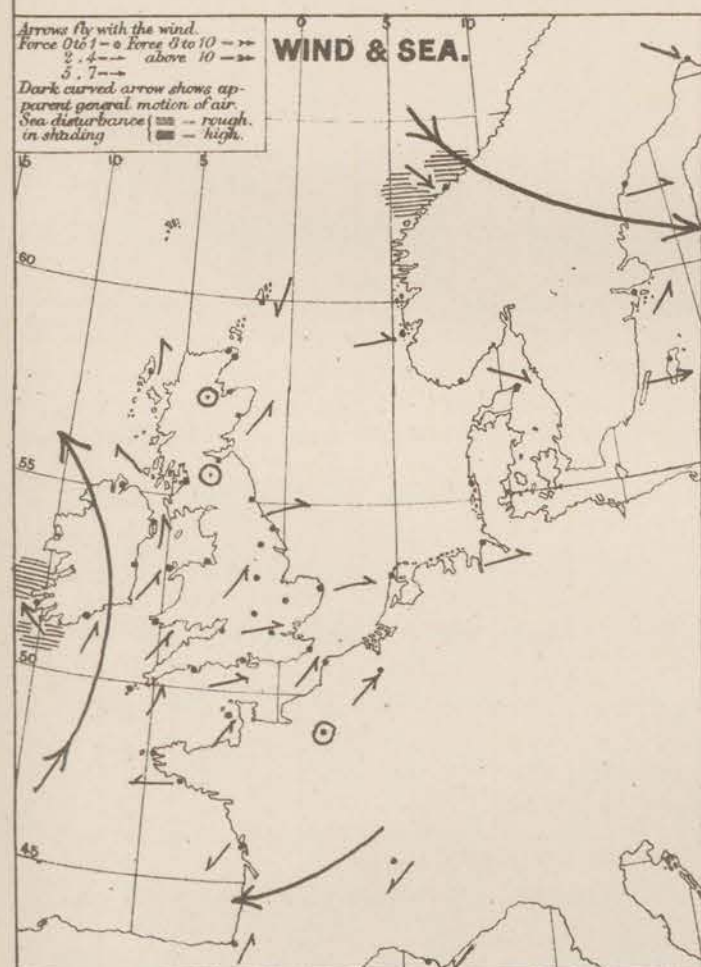
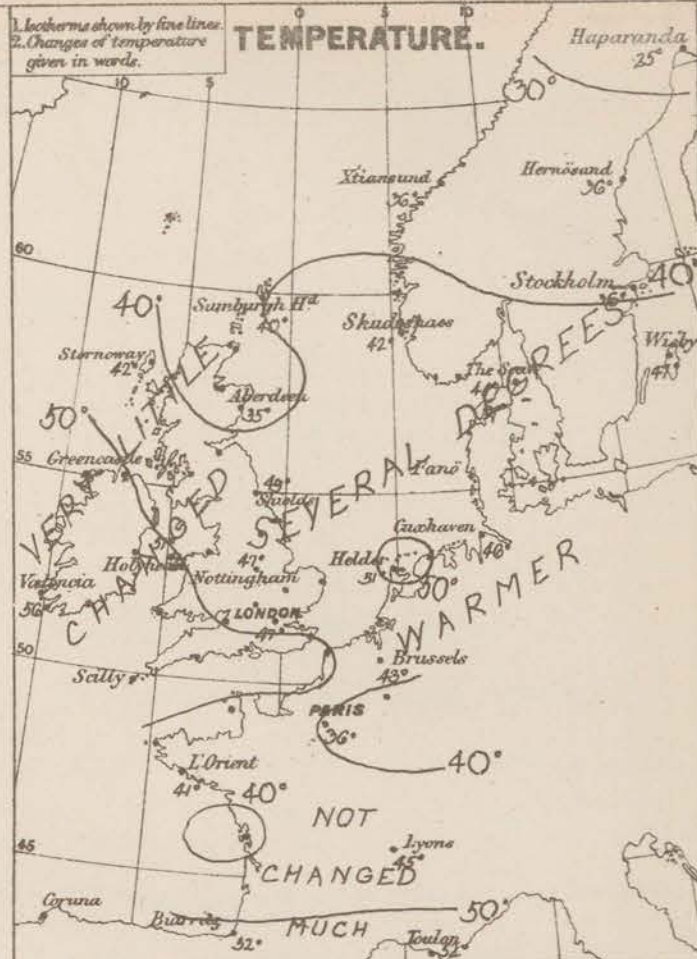
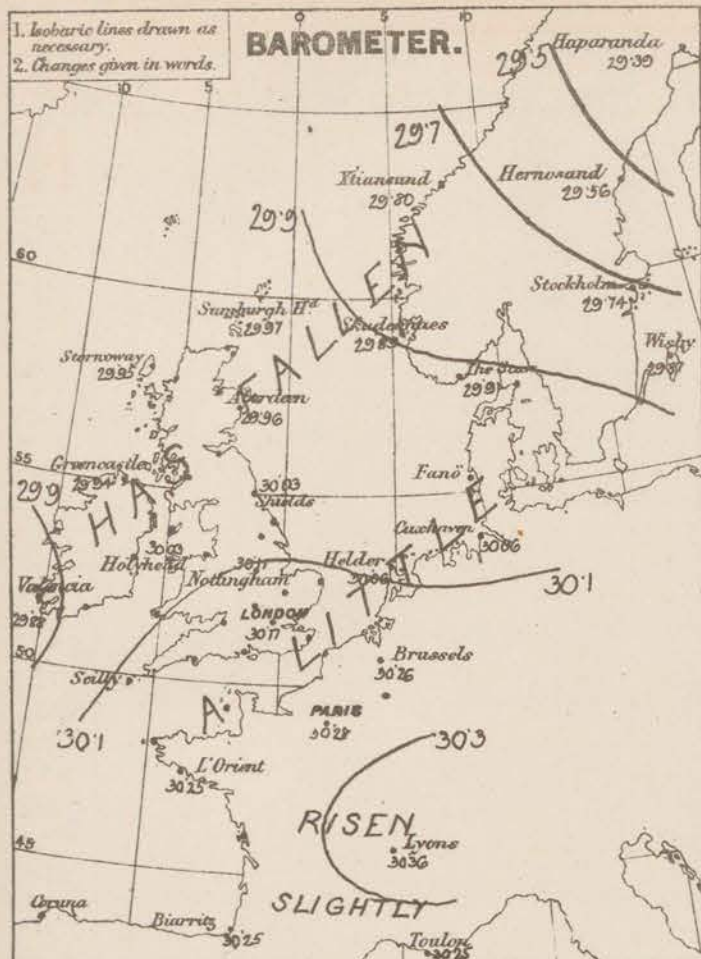
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 20TH OCT. 1877.



REMARKS. Weather is clear over the south coast of England and the greater part of France but is cloudy and dull elsewhere, with fog and mist at most of our northern stations, rain at Valentia, Cambridge and the Helser. Rain has fallen during last night on our west and north east coasts. An aurora was seen at Kingstown last night. Temperature has risen several degrees in the south-east of England and at some of the Scandinavian stations but has not changed much elsewhere; it now varies from 31° to 49° over Scotland, from 48° to 56° over Ireland and from 46° to 55° over England; during last night the thermometer in the shade fell to 28° at Skene, to 37° in London, and to 36° at Rochefort. Wind is strong from SE at Valentia but is light from SW on most other coasts, though calms prevail in Scotland. Sea is rough off the west of Ireland, slight or smooth on our other coasts. Two brilliant meteors were seen at Roche's Point last night.

Barometrical Indications. The mercury has risen slightly in the south west of France, but a slow and uniform fall has occurred in most other places. In the south of Ireland, however, the decrease appears to have become brisker during the night.

SUMMARY OF WEATHER IN WESTERN EUROPE

from OCT^r 14th to OCT^r 20th 1877.

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

This week was opened by the passage of a very deep depression from SW. to NE. over our W. and NW. stations, the North Sea, and Scandinavia, giving us an exceptionally heavy S.W. gale. This depression was preceded by very warm, and in the SE. of England very fine, weather. After its passage the barometer rose very rapidly, and during Tuesday and Wednesday, an anticyclone was formed in the SW. which travelled slowly across the country in a due E. direction. As it passed the wind which had been W. generally, backed to S. in the W. and this current had extended to all our coast by the close of the week, at which time the mercury was falling briskly in the W. Temperature was very high for the season on Sunday, and rather so on Saturday, but showed no change of importance in the intermediate time, beyond a fall to 32° on Thursday and Friday mornings. Rain has been general in the W. and N. but not heavy.

OCT^r 14th The changes in pressure were very irregular. The barometer was rising over France, the N. of Scotland, in Denmark, and the S. of Norway but was falling elsewhere; three areas of low readings existed in our neighbourhood, one over Scandinavia, one off our NW. coasts, and a fresh disturbance approaching the S. of Ireland. Wind was S.W. over the greater part of these islands and France, but drew into SW. over the North Sea, and backed to S. again in the Gulf of Bothnia. In the N. of Scotland calms prevailed, but the wind was generally strong and at Valencia reached a hard gale. Temperature had risen generally, very slightly over these islands, but several degrees at many of the continental stations. Weather was dull in the W. and N. with rain at Valencia and Stornoway, but was exceedingly fine over England and France. Temperature was exceptionally high all day, but at night the barometer began to fall quickly, and at midnight the wind rose to a gale which became very violent over England and Ireland during the early morning of Monday.

OCT^r 15th A very deep depression (Thurs 28.65 ins.) lay off the N. of Scotland, and the barometer was falling on our east coast, and over the North Sea, it was, however, recovering again in the W. and S. gradients were exceedingly steep over England and the North Sea. Wind was NW. in Ireland, N.W. over England and France, SW. on our E. coast, and S. in Norway. It was strong except in the N. of Scotland, and blew a fresh to hard gale from the NW. in the W. and N. of England, ^{the} Channel, and from S. at Skudesnaes. Temperature was falling fast generally. The weather was dull and squally everywhere. In the evening the barometer was rising at all stations as the depression moved away NE., and the wind moderated somewhat, though still blowing a gale in the W.

OCT^r 16th The centre of the depression had travelled NE., and lay apparently in the neighbourhood of Christiansund, the barometer had fallen slightly at that station, but had risen briskly elsewhere, the increase amounting to more than an inch over Scotland. Gradients were still rather steep in the N. of Norway. Wind was NW. to W. over

these Islands and France, but drew into SW. in Denmark and Sweden, it was still fresh or strong generally.

Temperature had fallen everywhere, very quickly on our E. and NE. coast, where it was below 40°. Sky was clear on our S. coast, but more or less cloudy in most other places. Rain was falling in the Netherlands, and ^{now} the N. of Scotland. During the day the barometer continued to rise, gradients became slighter, and the wind fell to a moderate breeze.

OCT 17th The mercury had fallen ^{slightly} during the night at Christiania and, in the S. of Ireland, and SW. of France, but had risen in all other places, a large area of high reading (30.4 ins.), lay over France, the Channel, and the SW. of England, while the lowest pressures (29.5 ins.) were still lying over the N. of Norway. A light E^{ly} breeze had sprung up in the N. of France, but the wind continued NW^{ly} on our coasts, and SW^{ly} on the E^m shores of the North Sea. It was moderate or fresh on most coasts but blew a gale in the N. of Norway. Temperature had again decreased generally, most in Denmark, and the thermometer during the preceding night had fallen to 32° or below it at many of our more E^m and N^m stations. Sky was clear over the greater part of these Islands and France, but snow was falling in the N. of Scotland and N. of Norway. In the latter part of the day the barometer still fell in the N. of Ireland, and the wind then shifted to SE., elsewhere the mercury rose and the wind continued NW^{ly}.

OCT 18th The fall of the barometer which had commenced in the N. on the previous day had spread E^{ward} and pressure was decreasing at all except the Scandinavian stations. The change was, however, slight and the area of high reading still lay over England and France. Wind was E^{ly} over France, S^{ly} in the N., NW^{ly} in the N., and NW^{ly} on the E^m shores of the North Sea. It was light in force except at Cuxhaven and thirty and calms prevailed in the SE. of England. Temperature had risen several degrees in the S. of Ireland, to a less extent in Scotland and Denmark, but had fallen elsewhere; it was very low over Central England (44° or 28°). Sky was generally moderately clear over these Islands, cloudy on the Continent, with snow at Rindernæs, hail at Paris. Little change occurred during the day, the barometer still fell slowly and the S^{ly} wind extended to the N. of England.

OCT 19th The barometer was falling in nearly all places, but the changes continued slight. The area of high pressure lay over the E^m part of the Channel, and NE. of France, while readings were low both off our NW. coasts and in Sweden. Wind was E^{ly} over France, S^{ly} in the N., and NW^{ly} over Scandinavia and Denmark; it was light over these Islands and their neighbourhood but increased to a strong breeze in the Baltic. Temperature had risen quickly over England and Ireland, but fallen in Scotland and France, it was one degree below freezing in Caithness. Weather was fine in the NE. of Scotland, in Denmark, and Sweden, dull elsewhere with fog in many places. The weather had been dry except in the N. Later Reports showed a further general fall of the barometer, and a small depression lay at 6 P.M. over S. Scotland.

OCT 20th A light and uniform fall of the barometer, had occurred over these Islands and the N. of France, during the ^{previous} 24 hours, but at Valencia the decrease had apparently become more brisk at about 8 a.m. The anticyclone now lay over the SE. of France, and one depression was apparently advancing to our SW. coasts, while a second was appearing over the N. of Sweden. Wind was strong from SE. at Valencia, and from E. in the N. of France, but was SW^{ly} on all other coasts. Temperature had risen several degrees over the SE. of England, and at some of the Scandinavian stations, but was little changed elsewhere. Sky was clear in the S. and SE. cloudy or dull in most other places with rain at Valencia. During the day pressure continued to give way everywhere - most in the SW. - and the rain extended to the N. of England.

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

DAILY WEATHER REPORT

OCT 21st

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 ...	29.58	21	NW	2	δ	29.57	+ .18	19	18	- 6	N	2	δc	*	30	14	-	
Hernösand ...	29.80	30	N	2	δ	29.86	+ .30	30	?	- 6	NNW	4	δ	*	*	*	-	
Stockholm ...	29.76	34	NNW	4	δ	29.96	+ .22	27	25	- 9	NNW	2	δ	*	*	*	-	
Wisby ...	29.80	42	NNW	6	τ	29.93	+ .06	37	32	- 3	NNW	6	δc	*	*	*	0.04	
Christiansund ...	29.99	34	ESE	1	δc	29.97	+ .17	35	32	- 1	S	1	δ	5	36	32	-	
Skudesnaes ...	29.98	37	NNE	2	δ	29.99	+ .10	41	39	- 1	SE	6	c	5	48	37	-	
Oxö (Xtiansand) ...	29.91	41	NNW	4	δ	30.06	+ .14	39	36	- 3	NE	4	δ	3	43	36	-	
Skagen (The Seaw) ...	29.90	43	NNW	3	δ	30.09	+ .18	39	34	- 5	SE	2	δ	2	48	34	-	
Fanö ...	29.99	48	N	4	c	30.04		44	43		ESE	5	c	*	?	32	-	
Cuxhaven ...	30.02	2	W	3	o	30.09	+ .03	48	48	+ 2	SW	1	f	*	48	43	-	
Sumburgh Head ...	30.00	42	E	2	c	29.73	- .24	45	44	+ 5	ESE	6	τ	6	46	36	0.01	
Stornöway ...	29.83	45	E	2	o	29.34	- .61	52	51	+ 10	SE	6	τ	6	52	40	0.11	
Thurso ...	29.93	45	SE	1	o	29.52	- .46	51	50	+ 20	SSE	5	τ	3	52	30	0.04	
Wick ...	29.91	47	SE	5	o	29.51	- .48	50	50	+ 19	SE	6	τ	4	50	31	0.04	
Nairn ...	29.90	45	Z	0	o	29.54	- .44	50	49	+ 15	Z	0	o	0	50	35	0.07	
Aberdeen ...	29.95	46	Z	0	o	29.61	- .35	50	50	+ 15	S	4	τ	1	51	35	0.09	
Leith ...	29.94	49	E	1	δc	29.58	- .40	52	51	+ .6	S	1	τ	*	53	45	0.27	
Shields ...	29.99	51	S	3	o	29.73	- .30	49	48	0	SSW	3	τ	3	53	48	0.11	
Scarborough ...	30.03	54	SW	1	m	29.79	- .25	48	47	- 1	SW	4	τ	2	56	43	0.11	
York ...	30.03	54	SSE	1	o	29.80	- .23	47	46	- 1	S	2	τ	*	59	46	0.08	
Nottingham ...	29.96	52	S	1	o	29.85	- .16	50	48	+ 3	SSW	3	τ	*	59	46	0.06	
Ardrossan ...	29.90	53	ESE	2	o	29.48	- .50	54	52	+ 5	SSE	4	τ	4	57	49	0.29	
Greencastle ...	29.78	54	SSE	2	o	29.27	- .67	57	55	+ 7	S	5	ow	*	59	53	0.18	
Donaghadee ...	29.87	52	SE	2	o	29.44	- .56	56	56	+ 8	SSW	6	τ	4	54	48	0.37	
Kingstown ...	29.89	57	S	4	o	29.49	- .51	57	56	+ 6	SSE	3	τ	3	58	50	0.23	
Holyhead ...	29.95	55	SSW	3	m	29.60	- .43	54	54	+ 3	SSW	5	τ	4	57	51	0.41	
Liverpool (Bidston) ...	30.07	55	S	2	o	29.69	- .36	50	50	+ 2	SE	4	o	3	58	49	0.37	
Valencia ...	29.71	57	SSE	6	τ	29.40	- .48	57	55	+ 1	SSW	7	δcm	6	61	55	0.92	
Roche's Point... ..	29.80	54	SSW	5	τ	29.48	- .50	56	55	+ 2	SW	5	o	5	58	53	0.96	
Pembroke ...	29.98	56	S	5	o	29.66	- .41	57	57	+ 2	S	8	τ	6	58	55	0.60	
Portishead ...	30.07	50	WSW	3	δc	29.84	- .29	54	53	+ 6	SSE	6	o	5	62	46	0.11	
Seilly ...																		
Plymouth ...	30.09	55	S	3	o	29.86	- .29	55	55	+ 4	S	5	or	*	59	51	0.37	
Hurst Castle ...	30.11	56	SW	2	c	29.94	- .23	57	55	+ 2	SW	5	o	5	58	53	-	
Dover ...	30.17	52	WSW	3	δ	30.04	- .14	53	49	+ 3	SSW	4	c	4	56	50	-	
London ...	30.14	54	SW	2	δc	29.98	- .19	52	47	+ 5	S	2	ow	*	60	43	-	
Oxford ...	*	*	*	*	*	29.90	- .24	52	47	+ 6	SSE	1	τ	*	61	46	-	
Cambridge ...	30.11	49	SW	1	δc	29.92	- .21	51	47	+ 5	S	1	τ	*	65	45	-	
Yarmouth ...	30.11	55	WSW	2	δ	30.00	- .12	52	49	+ 5	SSW	3	δm	2	56	45	-	
The Helder ...	*	*	*	*	*	30.06	.00	45	43	- 6	S	1	c	*	*	*	0.16	
Cape Gris Nez ...	30.19	52	SW	4	δ	30.08	- .12	48	43	- 2	SSW	3	c	3	55	45	-	
Jersey ...	30.19	55	SW	3	c	30.05	- .19	51	58	+ 2	SSW	4	owm	5	56	49	-	
Brest ...	30.15	57	S	4	o	29.95	- .30	57	55	+ 18	S	5	o	3	59	50	0.42	
L'Orient ...	30.21	54	S	3	o	30.02	- .23	57	55	+ 16	S	4	o	3	59	39	-	
Rochefort ...	30.24	55	W	1	δ	30.10	- .13	48	46	+ 9	SSE	4	δc	3	53	34	-	
Biarritz ...	30.21	59	ENE	2	c	30.10	- .15	61	52	+ 9	SSE	4	δc	3	61	?	-	
Corunna ...	*	*	*	*	*	30.09		60	*		SW	?	c	1	*	*	*	
Brussels ...	*	*	*	*	*	30.15	- .11	42	*	- 1	SSW	6	δc	*	*	*	*	
Charleville ...	*	*	*	*	*	30.13	- .22	34	*	- 2	S	1	δ	*	*	*	*	
Paris ...	30.25	45	SSE	2	δ	30.18	- .10	36	34	0	SE	2	δ	*	*	*	-	
Lyons ...	*	*	*	*	*	30.20	- .16	45	*	0	E	2	m	*	*	*	*	
Toulon ...	30.34	54	ESE	3	δ	30.33	+ .08	52	45	0	NE	3	δ	3	68	52	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.92	43	40	N	4	δ	2	Valencia	29.79	59	58	S	6	τ	5
Thurso	29.96	47	44	ESE	1	m	1	Seilly							
Scarborough ...	30.03	56	54	WSW	1	δc	1	London	30.14	60	52	SW	3	δ	*
Greencastle ...	29.89	54	52	S	2	o	*	Rochefort ...	30.24	64	54	SE	1	δ	3
Holyhead	30.00	53	55	SSW	3	m	2								

Pressure is still decreasing rather more briskly at Valencia than elsewhere. The wind is strong from S. in the south of Ireland with rain.

EXPLANATION OF COLUMNS.

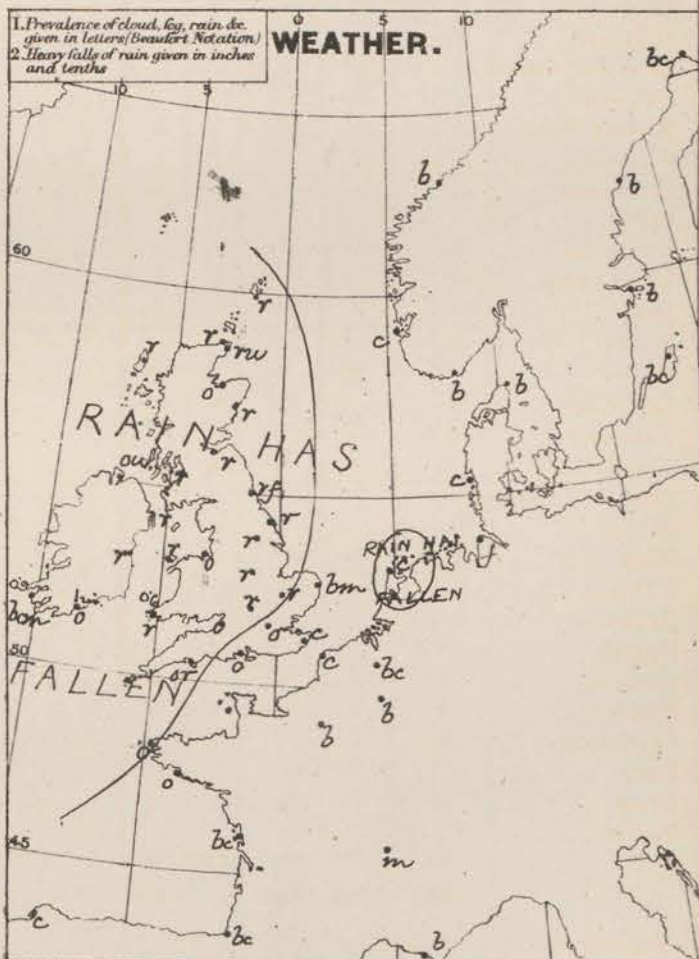
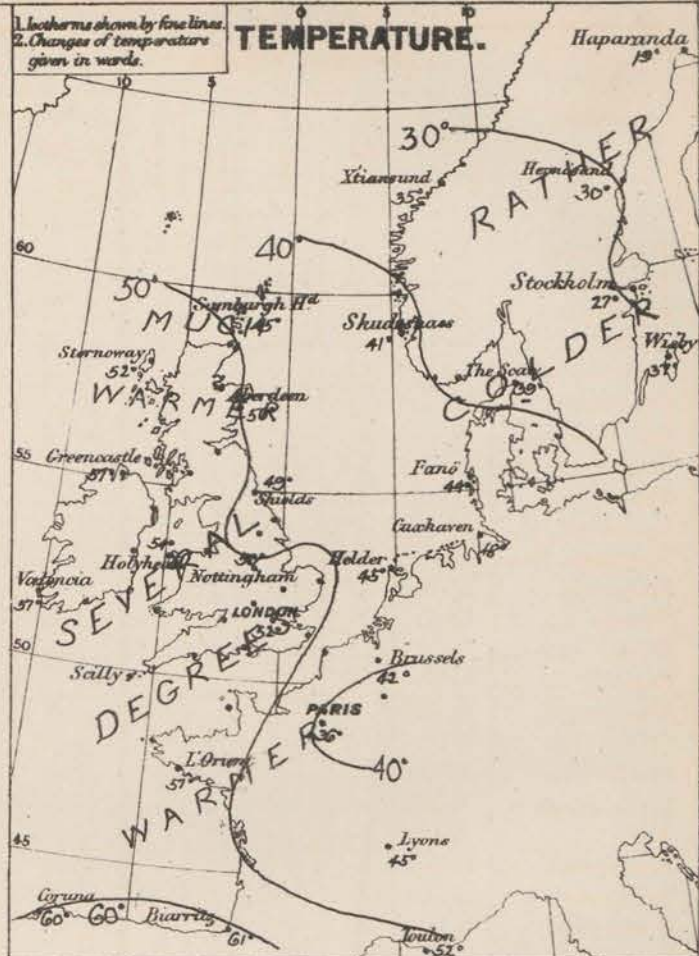
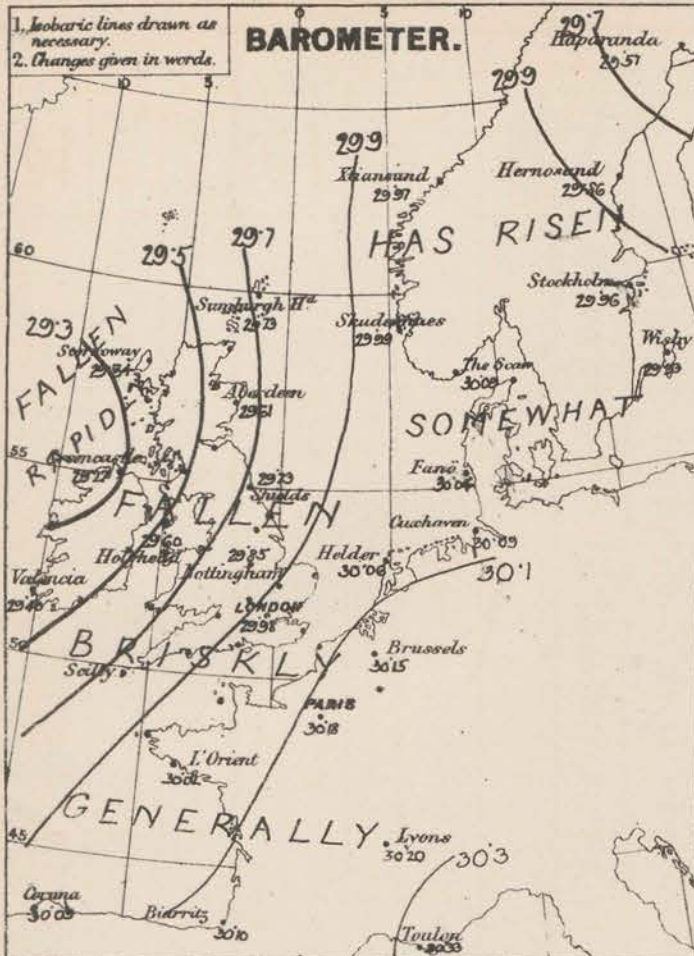
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m. on Sunday 21ST OCT^R 1877.*



REMARKS. Weather is clear at most of the Continental stations, but very cloudy over the United Kingdom, and rain is falling in nearly all parts of our Islands. Rain fell yesterday or during the past night at all but the southern and south eastern stations, and in the south of Ireland the amounts collected this morning were very large; at Valentia nearly an inch was measured. Imperatrice has fallen over Landman, and the weather is now cold there, but in most other places a rise has occurred; in the north of Scotland the change during the past 24 hours has amounted to as much as 20° . Readings over these Islands are now very uniform and vary between 48° on the east coast of England, and 57° on our western coasts. Wind is S. over France, England and Ireland, and draws round into S.E. in the north of Scotland; it is very strong in force on our western coasts, and blows a fresh gale at Pembroke, but in the east and southeast the breezes are much more moderate. A hard S. gale blew at all our south western stations during the night. Sea is rough off the north of Scotland and also on our south west coasts, but is smooth in the E. Barometrical Indications. During the past night a deep depression has advanced from the Atlantic, and now lies off the west coasts of Ireland and Scotland. The barometer has fallen rapidly on all our western and northern coasts, and to a less extent over the whole of these Islands and France, but the decrease is now slackening at Valentia. Warnings issued to our SW, W and NE coasts yesterday. "Barometer falling fast Valentia. Wind backed to S.E. S.W. gale likely. Frost South Coast. Severe cold."

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

OCT 22nd 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 ...	29.70	23	NW	4	δ	29.74	+ .17	15	14	- .4	N	2	δ	*	*	*	-	
Hernösand ...	29.95	30	Z	0	δ	29.81	- .02	21	21	- .9	N	2	C	*	*	*	-	
Stockholm ...	30.01	30	SN	2	δ	29.85	- .11	34	33	+ .7	S	2	S	*	*	*	-	
Wisby ...	30.06	34	SN	4	δ	29.93	- .00	35	32	- .2	SSE	4	δ	*	*	*	-	
Christiansund ...	29.82	33	SE	4	C	29.36	- .61	37	32	+ .2	ESE	1	0	3	?	?	-	
Skudesnaes ...	29.64	44	ESE	8	r	29.42	- .57	50	49	+ .9	SSE	4	f	4	?	41	0.59	
Oxö (Klansand) ...	29.86	45	SE	6	r	29.49	- .57	50	50	+ .11	SSN	4	f	4	?	?	-	
Skagen (The Seaw) ...	29.93	42	S	3	r	29.60	- .49	47	47	+ .8	SN	4	r	3	?	39	0.55	
Fanö ...	29.88	47	S	5	0	29.68	- .36	49	48	+ .5	SN	4	r	*	?	43	0.12	
Cuxhaven ...	29.94	4	SN	3	0	29.80	- .29	50	49	+ .2	SN	4	0	*	50	46	0.02	
Sumburgh Head ...	29.31	49	ESE	7	r	29.26	- .47	49	47	+ .4	NSSN	1	δC	4	51	40	0.40	
Stornoway ...	29.14	53	SSN	8	C	29.16	- .18	50	49	- .1	SSN	5	CW	5	55	48	0.40	
Thurso ...	29.25	49	SSN	2	δ	29.26	- .26	46	45	- .5	S	1	0	1	51	44	0.14	
Wick ...	29.21	50	SSE	3	δC	29.27	- .24	50	49	0	S	2	0	3	53	47	0.23	
Nairn ...	29.28	52	NNW	1	0	29.29	- .25	48	46	- .2	Z	0	C	1	59	47	0.01	
Aberdeen ...	29.38	52	S	1	C	29.34	- .27	49	48	- .1	SSN	2	δ	1	53	48	0.16	
Leith ...	29.40	57	SN	2	δ	29.39	- .19	54	52	+ .2	SN	2	δC	*	63	51	0.01	
Shields ...	29.52	55	SN	7	0	29.51	- .22	55	52	+ .6	SN	4	δC	3	55	49	0.04	
Scarborough ...	29.62	53	S	5	r	29.62	- .17	53	52	+ .5	SN	3	δ	2	55	48	0.28	
York ...	29.63	44	S	1	r	29.65	- .15	57	50	+ .4	S	1	C	*	55	41	0.25	
Nottingham ...	29.67	55	S	6	r	29.71	- .14	53	52	+ .3	S	3	δC	*	56	45	0.12	
Ardrossan ...	29.39	56	SSN	8	δC	29.37	- .11	54	52	0	SSN	4	0	4	58	53	0.17	
Greencastle ...	29.52	55	S	4	0	29.29	+ .02	52	?	- .5	SSN	5	0	*	60	49	0.09	
Donaghadee ...	29.43	54	S	3	C	29.40	- .04	53	52	- .3	SN	4	0	3	58	50	0.05	
Kingstown ...	29.50	59	NSSN	4	δC	29.50	+ .01	54	50	- .3	SN	3	r	2	61	54	0.06	
Holyhead ...	29.48	55	SN	5	δC	29.55	- .05	56	55	+ .2	SSN	5	r	4	58	54	0.31	
Liverpool (Bidston) ...	29.57	55	SSE	3	0	29.59	- .10	56	53	+ .6	S	3	C	3	57	50	0.06	
Valencia ...	29.51	57	SN	5	C	29.51	+ .11	53	50	- .4	NSSN	5	δC	4	61	52	0.12	
Roche's Point ...	29.56	55	NSSN	5	δC	29.56	+ .08	52	51	- .4	NSSN	4	r	4	57	51	0.46	
Pembroke ...	29.64	56	SN	5	δC	29.65	- .01	57	56	0	SN	5	CW	6	57	55	0.44	
Portishead ...	29.71	57	SSE	6	0	29.77	- .07	55	53	+ .1	SSN	5	C	4	58	51	0.20	
Scilly ...	29.75	57	SN	3	0	29.81	- .05	57	56	+ .2	SN	4	0	*	57	53	0.29	
Plymouth ...	29.77	57	SN	5	r	29.50	- .14	58	58	+ .1	SN	4	δC	4	58	?	0.14	
Hurst Castle ...	29.91	56	SN	4	C	29.87	- .17	56	55	+ .3	NSSN	3	δC	3	57	53	0.05	
Dover ...	29.85	57	SSN	5	0	29.85	- .13	55	53	+ .3	NSSN	2	δC	*	57	52	0.02	
London ...	*	*	*	*	*	29.78	- .12	55	53	+ .3	SN	3	0	*	56	51	0.08	
Oxford ...	29.80	52	S	2	r	29.79	- .13	53	52	+ .2	SN	1	δ	*	57	50	0.04	
Cambridge ...	29.85	53	SSN	4	r	29.80	- .20	52	51	0	SN	3	δC	2	55	50	0.05	
Yarmouth ...	*	*	*	*	*	29.80	- .26	54	53	+ .9	SSN	2	0	*	*	*	0.08	
The Helder ...	29.95	55	S	5	C	29.92	- .16	55	50	+ .7	SN	5	C	4	57	46	0.04	
Cape Gris Nez ...	29.93	56	S	6	0	29.97	- .08	56	55	+ .5	SN	6	CW	5	57	53	0.15	
Brest ...	29.90	59	SSN	4	f	29.97	+ .02	57	55	0	SN	4	m	5	59	55	0.35	
L'Orient ...	29.96	59	SSN	5	r	30.03	+ .01	57	55	0	NSSN	5	m	4	61	54	0.08	
Rochefort ...	30.10	55	S	4	0	30.12	+ .02	55	54	+ .7	S	4	0	4	68	52	-	
Biarritz ...	30.08	63	S	3	0	30.15	+ .08	63	57	+ .2	SSN	1	δC	3	72	59	-	
Corunna ...	*	*	*	*	*	29.97	- .18	52	*	+ .10	NSSN	6	0	*	*	*	0.11	
Brussels ...	*	*	*	*	*	29.96	- .17	52	*	+ .18	SN	3	0	*	*	*	*	
Charleville ...	30.06	54	S	3	0	30.07	- .11	57	*	+ .21	S	4	δC	*	*	*	-	
Paris ...	*	*	*	*	*	30.24	+ .04	55	*	+ .10	S	2	0	*	*	*	*	
Lyons ...	30.33	55	SE	1	δ	30.35	+ .02	54	50	+ .2	Z	0	δ	2	63	52	-	
Toulon ...																		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.82	44	40	ESE	8	r	5	Valencia							
Thurso								Scilly							
Scarborough ...								London							
Greencastle ...							*	Rochefort ...	30.10	61	55	SSE	4	0	3
Holyhead															

EXPLANATION OF COLUMNS.

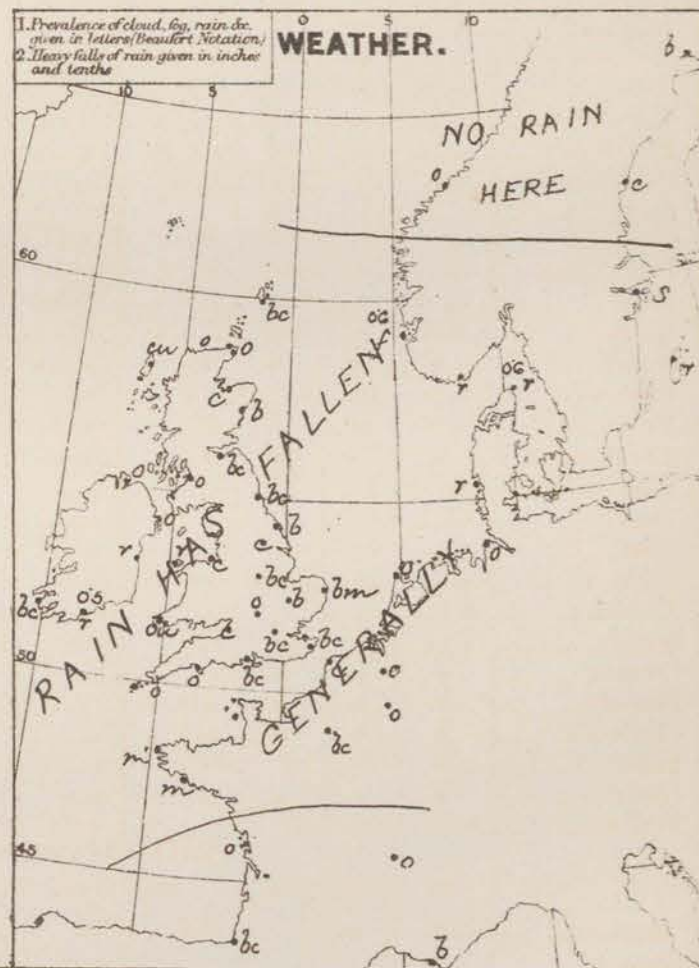
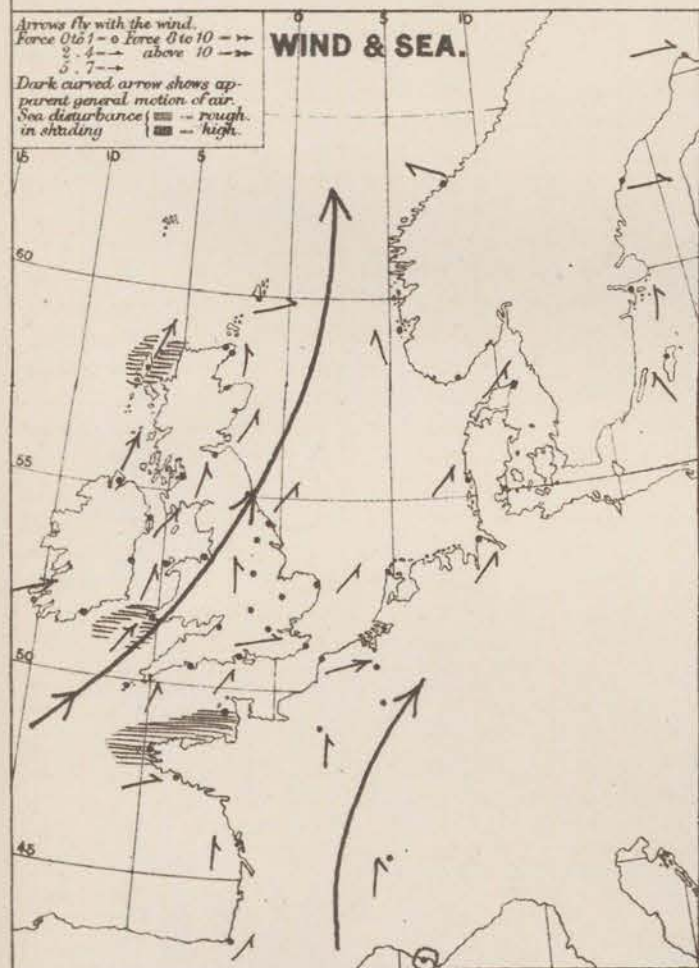
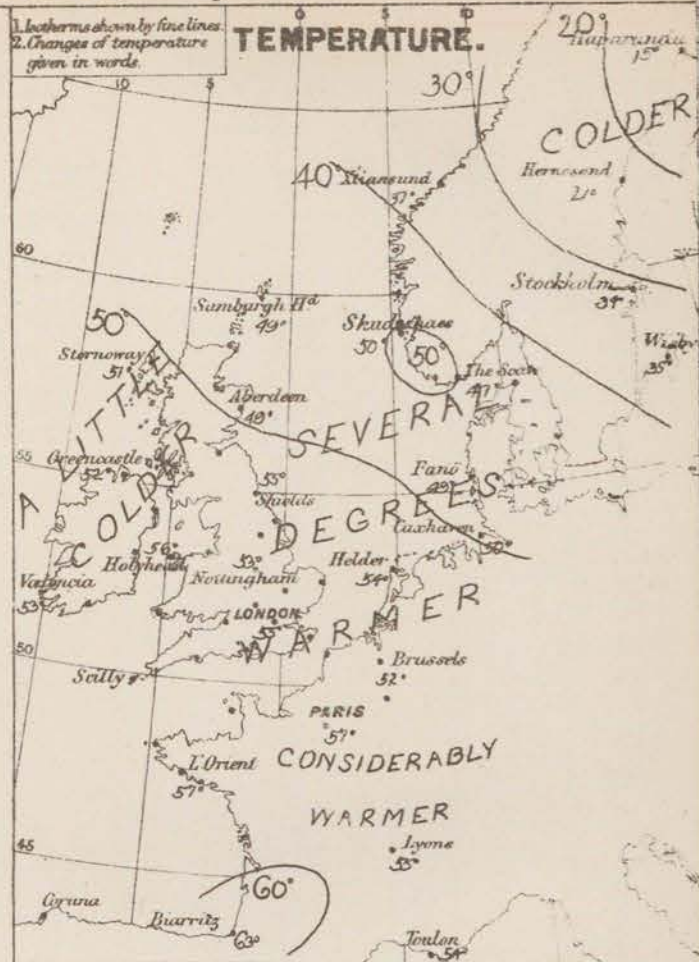
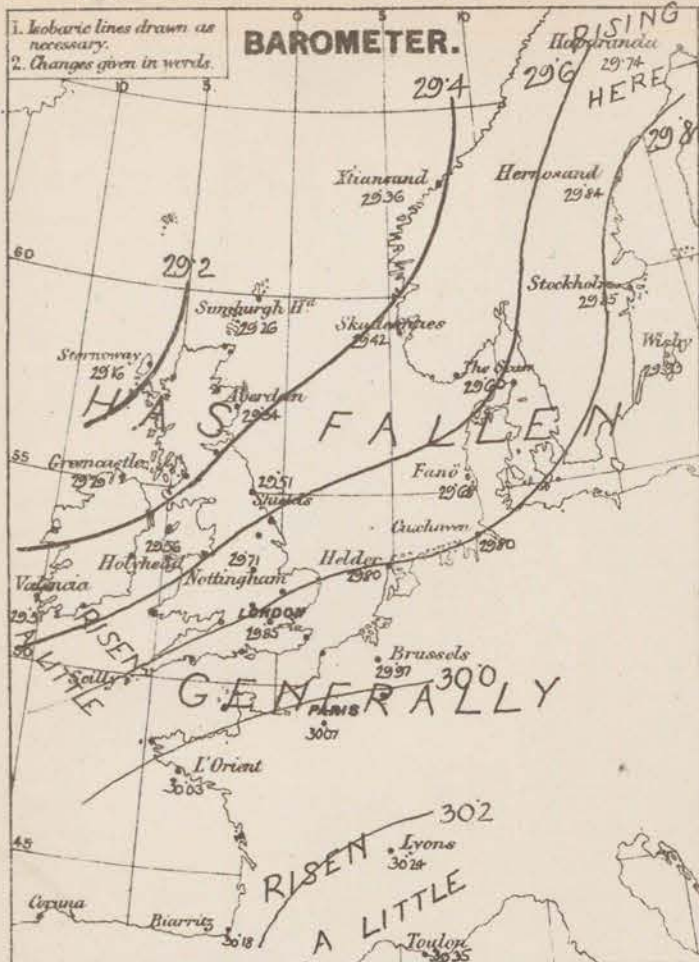
WEATHER.—Beaufort Scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Monday 22ND OCT^R 1877.



REMARKS. Weather is dull or cloudy generally, with rain at some of our western stations and over Denmark and even at Stockholm. Rain has fallen generally, but in small amounts. A lunar halo was seen at Nottingham last night. Temperature has risen very quickly in the north east of France and the Netherlands and to a less extent over England and on the eastern shores of the North Sea; in Sweden it has fallen and is now as low as 15° at Kaparö; elsewhere little change has occurred; it is high and uniform over these Islands, varying from 46° to 52° over Holland, from 52° to 56° over Ireland and from 51° to 58° over England. During yesterday the thermometer reached 63° at Leith, 61° at Valencia and 57° in London. Wind is $S^{\frac{1}{2}}$ to $SW^{\frac{1}{2}}$ on all coasts and blows fresh in the west. Sea is rough in the SW, moderate to slight elsewhere.

Barometrical Indications. Pressure has increased slightly in the south west, but has decreased in all other parts of Western Europe. The centre of a depression lies near the Hebrides, while the area of highest readings is reported from the south east of France; about an inch is the difference between Norway and Lyons. The barometer is still unsteady in the west.

The Warning Signals have been lowered in the west, south west and north east this morning.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

OCT 23rd

1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° E. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (1 to 12).		Reading at 32° E. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (1 to 12).			Max.	Min.		
Haparanda ...	29.45	13	Z	0	δ	29.44	— .30	27	27	+ 12	E	2	0	*	28	10	—	
Hernösand ...	29.40	36	S	2	0	29.31	— .53	30	30	+ 9	Z	0	0	*	*	*	0.08	
Stockholm ...	29.48	46	SSH	2	0	29.43	— .42	48	47	+ 14	SSH	3	+	*	*	*	0.20	
Wisby ...	29.64	46	N	6	δ	29.61	— .32	48	48	+ 13	SSH	4	0	*	*	*	0.20	
Christiansund ...	29.25	42	S	2	0	28.97	— .39	43	42	+ 6	SSH	4	+	4	?	?	—	
Skudesnaes ...	29.32	50	SSE	6	+	29.34	— .08	48	46	— 2	SSH	7	0	6	?	?	0.35	
Oxö (Ktiansand) ...	29.49	50	SSH	4	f	29.41	— .08	49	46	— 1	SSH	7	c	5	50	37	—	
Skagen (The Sæw) ...	29.57	50	SSH	4	0	29.50	— .10	48	45	+ 1	N	5	c	5	52	43	0.32	
Fanö ...	29.64	52	SH	4	0	29.69	+ .01	50	47	+ 1	N	4	δc	*	54	48	0.12	
Cuxhaven ...	29.52	50	SH	3	0	29.50	— .00	50	50	0	SSH	2	δ	*	54	46	—	
Sumburgh Head ...	29.13	49	SSE	2	+	29.25	— .01	46	44	— 3	N	4	c	4	53	42	0.29	
Stornoway ...	29.14	44	SH	3	+	29.30	+ .14	40	39	— 11	SH	1	δ	4	51	37	0.23	
Thurso ...	29.17	46	SSH	1	δc	29.32	+ .06	39	37	— 7	SSH	2	δ	3	56	38	—	
Wick ...	29.19	48	N	2	δc	29.35	+ .08	38	37	— 12	SH	2	δ	1	56	37	—	
Nairn ...	29.31	45	N	1	c	29.38	+ .09	40	37	— 8	N	1	0	1	56	40	0.10	
Aberdeen ...	29.25	48	SH	2	δ	29.40	+ .06	38	37	— 11	S	1	δm	1	54	38	0.03	
Leith ...	29.34	49	SH	3	c	29.42	+ .03	47	45	— 7	SH	2	c	*	58	44	0.05	
Shields ...	29.44	50	N	2	δc	29.54	+ .03	44	42	— 11	SH	3	δcm	2	57	41	0.14	
Scarborough ...	29.57	50	SSH	2	c	29.61	— .01	44	43	— 9	SH	2	δ	2	57	41	0.17	
York ...	29.45	51	SSH	3	0	29.59	— .06	41	40	— 10	S	1	δ	*	58	39	0.18	
Nottingham ...	29.64	50	SH	2	0	29.71	— .00	42	42	— 11	SE	2	δc	*	59	38	0.16	
Ardrossan ...	29.38	51	SSH	5	+	29.40	+ .03	48	46	— 6	SE	2	+	3	57	45	0.20	
Greencastle ...	29.36	45	SSH	4	0	29.31	+ .02	45	43	— 7	SSE	3	c	*	56	42	0.07	
Donaghadee ...	29.48	53	N	5	δc	29.34	— .06	47	47	— 6	SSE	2	c	1	54	42	0.08	
Kingstown ...	29.60	51	N	5	δ	29.35	— .15	48	46	— 6	S	1	og	2	55	37	0.13	
Holyhead ...	29.61	50	SSH	14	δ	29.42	— .11	49	48	— 7	SSH	2	+	1	57	48	0.63	
Liverpool (Bidston) ...	29.59	51	SSH	3	δ	29.49	— .10	44	43	— 12	SE	4	c	2	58	42	0.28	
Valencia ...	29.67	51	SSH	4	δ	29.38	— .13	48	44	— 5	SSH	3	δc	3	58	44	0.65	
Roche's Point ...	29.65	49	N	5	δc	29.39	— .17	47	45	— 5	N	4	c	4	55	46	0.58	
Pembroke ...	29.70	55	N	5	δ	29.42	— .23	54	51	— 3	SSH	7	c	6	57	52	0.44	
Portishead ...	29.72	52	SH	4	+	29.55	— .22	48	47	— 7	SSE	3	ow	4	59	44	0.17	
Scilly ...	29.72	52	SH	4	+	29.55	— .22	48	47	— 7	SSE	3	ow	4	59	44	0.17	
Plymouth ...	29.79	53	N	1	0	29.53	— .28	54	53	— 3	SSH	2	0	*	59	45	0.25	
Hurst Castle ...	29.74	54	SSH	4	0	29.60	— .20	56	55	— 2	S	4	0	4	59	49	0.23	
Dover ...	29.78	57	SSH	5	δc	29.71	— .16	53	52	— 3	SE	3	c	2	57	46	0.11	
London ...	29.72	58	SH	4	og	29.67	— .18	49	48	— 6	SE	2	0	*	62	44	0.08	
Oxford ...	*	*	*	*	*	29.62	— .16	45	44	— 10	SE	1	of	*	60	41	0.14	
Cambridge ...	29.67	52	SH	2	+	29.66	— .13	44	44	— 9	SSE	1	m	*	62	39	0.07	
Yarmouth ...	29.69	56	SSH	5	0	29.72	— .08	47	47	— 5	S	3	δcf	2	60	43	0.03	
The Helder ...	*	*	*	*	*	29.78	— .02	46	45	— 8	SSH	1	c	*	*	*	0.04	
Cape Gris Nez ...	29.83	55	SH	6	0	?	?	52	52	— 3	SSE	2	+	1	59	48	0.12	
Jersey ...	29.87	57	SH	6	+	29.66	— .31	57	56	+ 1	SH	5	0	5	61	51	0.29	
Brest ...	29.94	59	N	2	0	29.65	— .32	57	55	0	SH	4	+	6	?	54	0.32	
L'Orient ...	30.04	61	SH	4	m	29.74	— .29	57	57	0	SSH	5	+	5	63	52	0.35	
Rochefort ...	30.09	59	SH	4	+	29.93	— .19	55	55	0	S	3	0	3	61	41	0.28	
Biarritz ...	30.08	64	SSE	1	c	29.99	— .19	64	63	+ 1	S	4	c	3	73	59	—	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.81	— .16	54	*	+ 2	SH	6	0	*	*	*	0.03	
Charleville ...	*	*	*	*	*	29.84	— .12	55	*	+ 3	S	3	0	*	*	*	*	
Paris ...	29.97	58	SH	3	0	29.84	— .23	57	55	0	S	4	0	*	*	*	—	
Lyons ...	*	*	*	*	*	30.10	— .14	59	*	+ 4	S	2	δ	*	*	*	*	
Toulon ...	30.30	55	SH	2	δ	30.21	— .14	55	55	+ 1	S	1	+	3	63	?	0.20	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.42	50	50	SSE	6	f	4	Valencia	29.64	56	49	N	6	dog	6
Thurso	29.16	53	50	SSH	4	c	3	Scilly							
Scarborough ...	29.46	56	54	SSH	6	o	5	London	29.76	60	56	S	4	o	*
Greencastle ...	29.33	53	49	SSH	3	δ	*	Rochefort ...	30.11	61	59	SSH	5	o	4
Holyhead	29.52	53	51	SSH	5	c	4								

Pressure is increasing in the N. but decreasing elsewhere. Wind is strong from N. in the SH. but is S.W. on our other coasts. Sea is rather rough generally.

EXPLANATION OF COLUMNS.

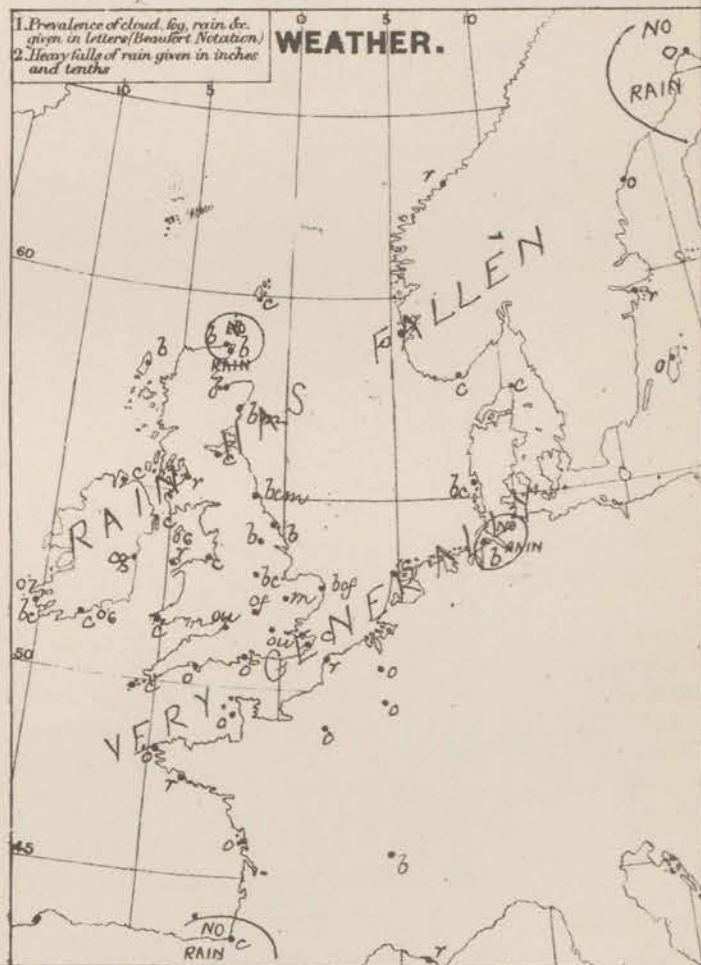
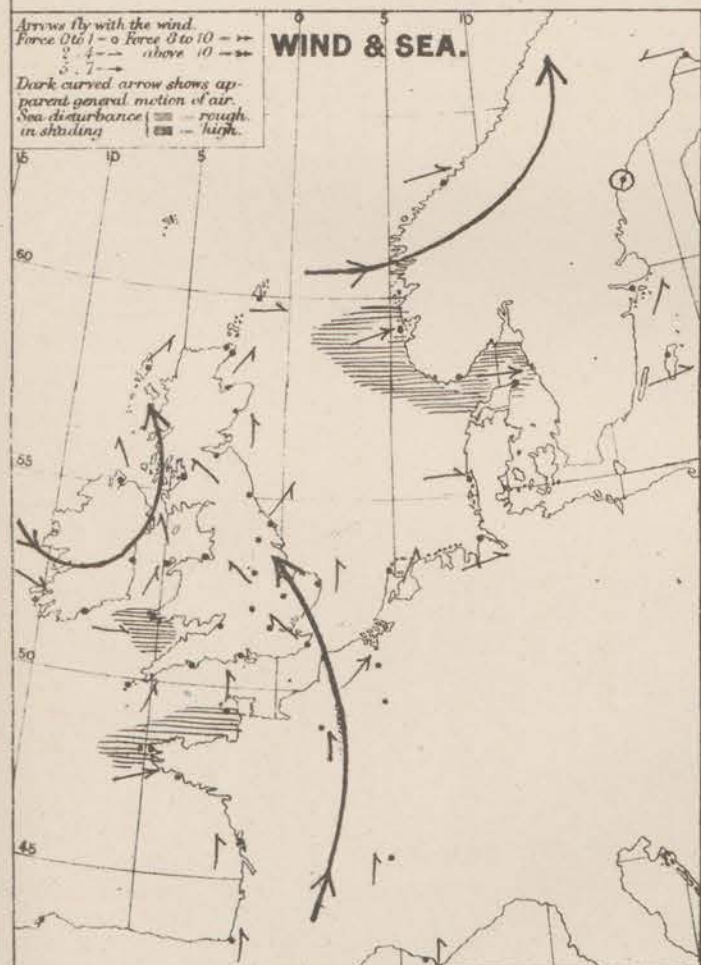
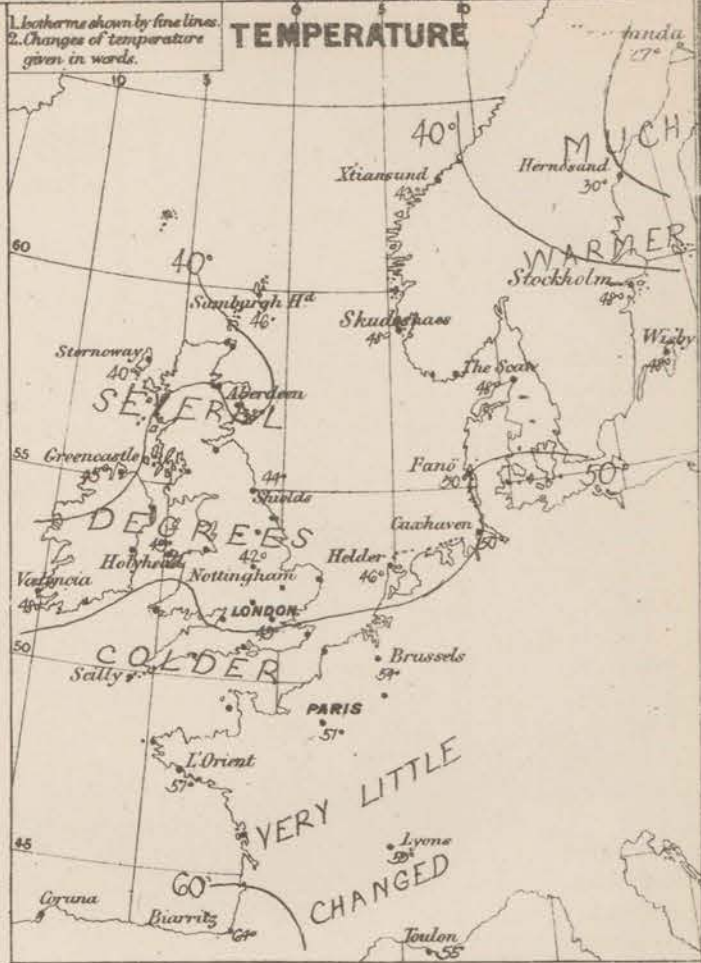
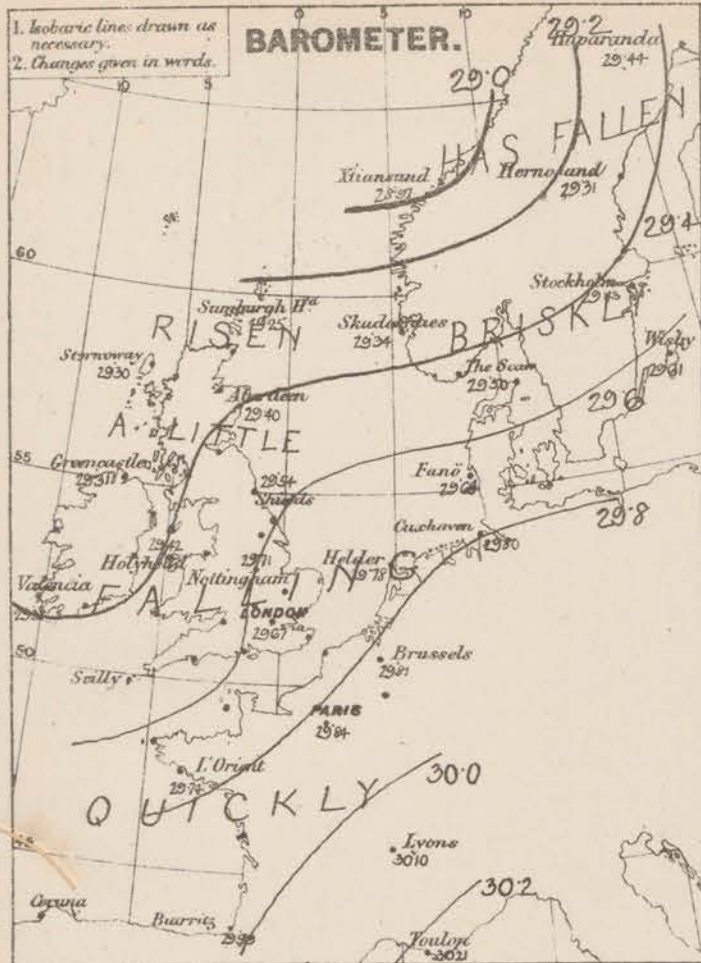
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 23rd OCT^r 1877.



REMARKS. Weather is very unsettled. The sky is locally clear in the north of Scotland and the north-east of England, but is cloudy or dull in all other places, with minor at Aberdeen, Holyhead, Cape Breton, and in the north-west of France, fog and mist in the east and south-east of England; thunder and vivid lightning occurred in the south of Ireland last night. Rain has fallen generally, rather heavily at Holyhead and at our south-western stations. Temperature has decreased quickly generally, ten or twelve degrees in Scotland and Central England; it has varied from 38° to 68° over Scotland, 35° to 60° over Ireland, and 41° to 54° over England. Wind is W. in the south of Ireland as well as over Denmark, while over France, the rest of these Islands and at most of the Scandinavian stations it is S. to S.E. it is fresh in force at Pembroke and in the south of Norway, moderate or light elsewhere. Sea is slight except in the south-west. Barometrical Indications A deep depression lies near Christianmunde, while a subsidiary disturbance is advancing to the west coast of Ireland. The barometer is consequently falling in nearly all places, the decrease over England being particularly brisk.

DAILY WEATHER REPORT OCT^r 24th 187.

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 ...	28.89	32	E	2	0	29.17	-.27	22	22	-	5	N	4	0	*	32	21	0.32
Hernösand ...	29.06	43	N	6	+	?	?	31	29	+	1	NNN	2	c	*	*	*	0.28
Stockholm ...	29.47	45	WSN	6	0	29.47	+.04	41	41	-	7	Z	0	+	*	*	*	0.04
Wisby ...	29.67	46	N	6	0	29.49	-.12	48	48	0	SN	6	0	*	*	*	*	0.24
Christiansund ...	29.34	38	NNE	3	+	29.44	+.47	36	35	-	7	ENE	3	0	4	45	34	0.33
Skudesnaes ...	29.46	46	WSN	2	0	29.17	-.17	43	41	-	5	NNE	6	0	4	48	?	-
Oxö (Xtiansand) ...	29.52	45	N	2	c	29.37	-.14	47	46	-	2	?	6	c	4	50	34	-
Skagen (The Swan) ...	29.34	45	SSN	2	0	29.32	-.18	49	49	-	1	SN	3	c	3	50	41	0.24
Fanö ...	29.37	51	SSN	4	+	29.35	-.34	50	47	0	SSN	4	0	*	52	?	0.32	
Cuxhaven ...	29.94	41	SSN	3	+	29.49	-.31	51	50	+	1	SSN	3	0	*	55	45	0.29
Sumburgh Head ...	29.38	41	Z	0	0	29.34	+.09	44	42	-	2	NNE	2	0	3	50	38	-
Stornoway ...	29.29	42	ENE	1	0	29.32	+.02	44	43	+	4	ESE	1	0	3	45	38	0.11
Thurso ...	29.34	42	SSN	1	0	29.35	+.03	37	36	-	2	Z	0	0	3	52	36	0.01
Wick ...	29.31	47	SE	3	0	29.35	-.00	43	40	+	5	N	1	0	2	50	38	?
Nairn ...	29.28	44	Z	0	+	29.32	-.06	37	36	-	3	Z	0	0	1	52	35	0.21
Aberdeen ...	29.28	48	SSE	4	0	29.30	-.10	43	41	+	5	N	1	0	1	50	38	-
Leith ...	29.19	47	SE	2	+	29.32	-.10	44	43	-	3	N	1	0	*	48	42	0.54
Shields ...	29.23	49	S	3	+	29.33	-.21	44	43	0	NNE	2	+	2	51	41	0.61	
Scarborough ...	29.17	50	SSE	2	+	29.32	-.29	45	44	+	1	WSN	2	0	2	50	43	0.35
York ...	29.15	51	SSN	2	+	29.34	-.25	45	44	+	4	WSN	2	+	*	51	39	0.62
Nottingham ...	29.31	46	SN	3	+	29.45	-.26	42	41	0	SN	3	c	*	54	37	0.30	
Ardrossan ...	29.16	47	NE	1	+	29.33	-.07	44	43	-	4	ENE	1	0	1	49	44	0.51
Greencastle ...	29.20	44	N	2	+	29.32	+.01	41	40	-	4	S	2	c	*	48	37	0.53
Donaghadee ...	29.22	44	WSN	3	c	29.37	+.03	38	38	-	9	N	3	0	2	50	36	0.19
Kingstown ...	29.31	47	N	4	0	29.42	+.07	46	43	-	2	SSN	1	c	1	51	43	-
Holyhead ...	29.31	49	N	5	c	29.44	+.02	47	44	-	2	WSN	3	0	2	52	45	0.35
Liverpool (Bidston) ...	29.28	45	WSN	6	0	29.42	-.07	45	43	+	1	WSN	5	0	3	50	44	0.10
Valencia ...	29.50	46	NNN	4	c	29.42	+.04	52	50	+	4	WSN	4	0	4	54	43	0.05
Roche's Point... ..	29.48	48	NNN	4	0	29.45	+.06	50	45	+	3	N	4	0	4	52	42	0.09
Pembroke ...	29.41	48	NN	4	c	29.49	+.07	51	47	-	3	WSN	5	c	4	54	46	0.30
Portishead ...	29.39	52	SN	5	0	29.53	-.02	46	44	-	2	SN	2	0	3	56	42	0.05
Seilly ...	29.47	50	WSN	2	c	29.61	+.08	40	39	-	16	NN	2	0	*	57	39	0.05
Plymouth ...	29.42	54	N	5	0	29.57	-.03	46	44	-	10	NNN	2	0	2	63	40	0.32
Hurst Castle ...	29.46	53	WSN	5	0	29.52	-.19	45	42	-	8	N	3	0	2	57	43	0.35
Dover ...	29.40	53	WSN	2	0	29.54	-.13	40	39	-	9	N	2	0	*	57	36	0.29
London ...	29.40	53	WSN	2	0	29.54	-.13	40	39	-	9	N	2	0	*	57	36	0.29
Oxford ...	29.34	50	SN	2	+	29.50	-.16	40	39	-	5	SN	1	0	*	55	37	0.11
Cambridge ...	29.34	50	SN	2	+	29.50	-.16	40	39	-	4	SN	1	0	*	54	35	0.15
Yarmouth ...	29.32	53	SSN	5	c	29.46	-.26	41	40	-	6	WSN	2	0	2	55	40	0.25
The Helder ...	29.32	53	SSN	5	c	29.46	-.26	41	40	-	6	WSN	2	0	2	55	40	0.25
Cape Gris Nez ...	29.49	55	WSN	6	0	29.54	?	48	45	-	4	NN	3	c	2	57	48	0.32
Jersey ...	29.58	55	WSN	6	c	29.67	+.01	51	46	-	6	NN	4	0	4	60	47	0.26
Brest ...	29.63	57	N	4	0	29.75	+.10	52	52	-	5	NNN	3	0	5	57	43	0.39
L'Orient ...	29.65	54	N	5	0	29.78	+.04	50	44	-	7	NN	3	c	4	59	41	0.57
Rochefort ...	29.80	59	SN	6	+	29.78	-.15	54	52	-	1	NN	6	0	6	64	52	0.59
Biarritz ...	29.82	66	SSN	3	0	29.91	-.08	57	50	-	7	WSN	4	0	4	72	52	0.20
Corunna ...	29.82	66	SSN	3	0	29.91	-.08	57	50	-	7	WSN	4	0	4	72	52	0.20
Brussels ...	29.50	50	SN	3	+	29.50	-.31	50	48	-	4	SN	3	+	*	*	*	0.75
Charleville ...	29.44	50	SN	3	+	29.44	-.40	50	48	-	5	N	3	+	*	*	*	0.75
Paris ...	29.64	60	SSN	5	0	29.58	-.26	47	47	-	10	NN	4	+	*	*	*	0.28
Lyons ...	29.79	59	S	4	0	29.79	-.31	59	57	-	0	S	2	+	*	*	*	0.28
Toulon ...	30.07	57	S	4	0	29.85	-.36	57	57	+	2	SSN	6	0	6	59	55	0.28

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.50	47	45	WSN	4	c	4	Valencia	29.43	53	55	NNN	3	0	4
Thurso	29.37	47	44	S	2	c	3	Seilly							
Scarborough ...	29.36	50	48	SSE	4	c	3	London	29.38	56	55	SN	3	0	*
Greencastle ...	29.19	46	45	NNE	1	+	*	Rochefort ...	29.73	61	59	SN	4	0	4
Holyhead	29.25	50	47	N	4	c	4								

Pressure is increasing slightly both at Valencia and Thurso, but is falling briskly in the SE. The depression appears to be travelling SE⁴⁵, where heavy rain is falling. The winds is moderate.

EXPLANATION OF COLUMNS.

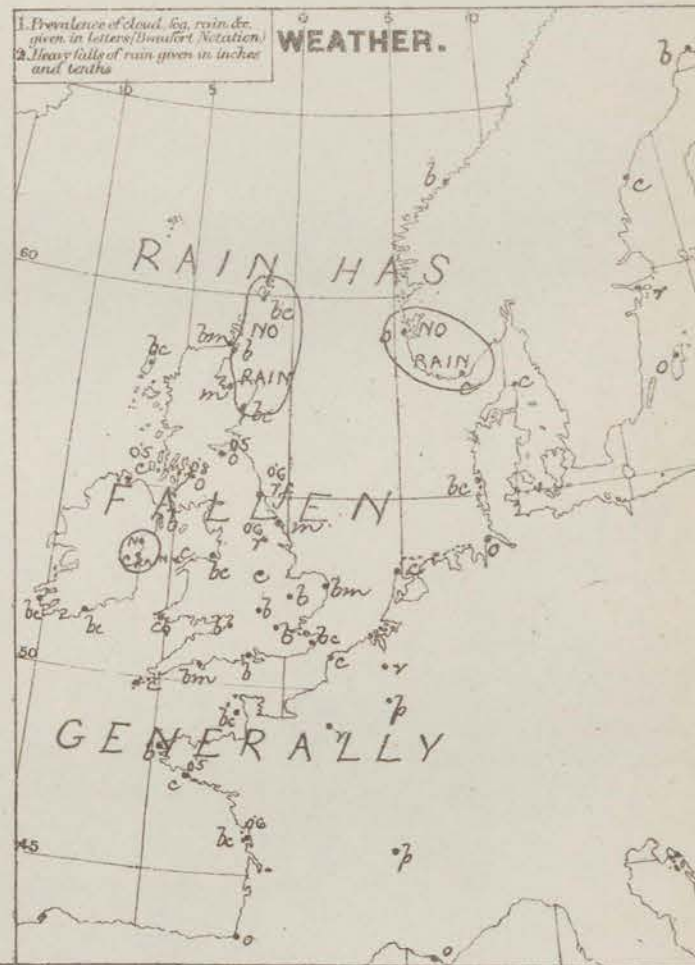
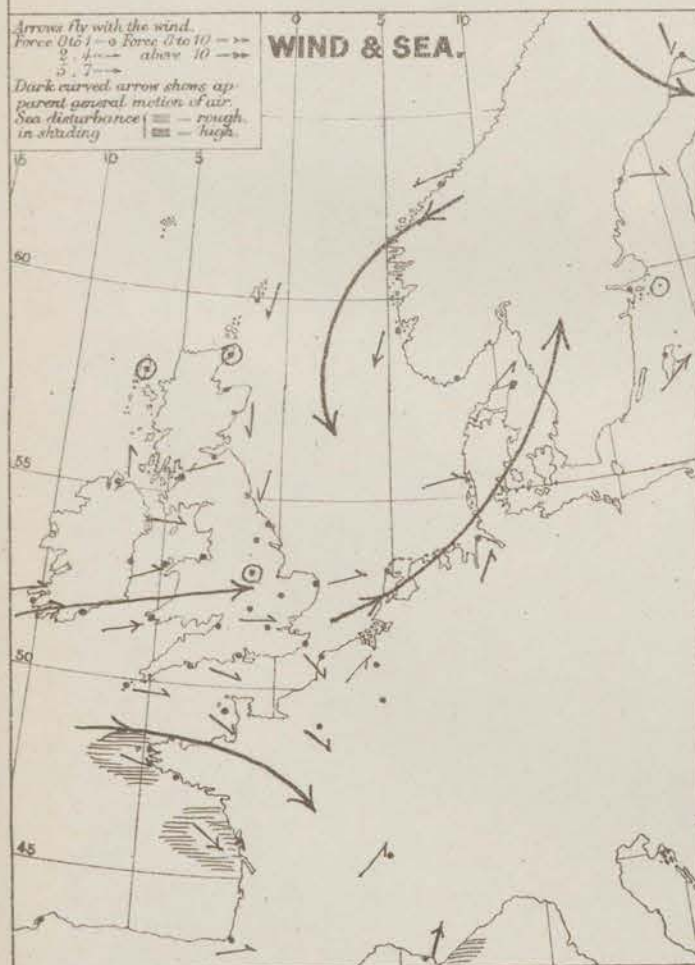
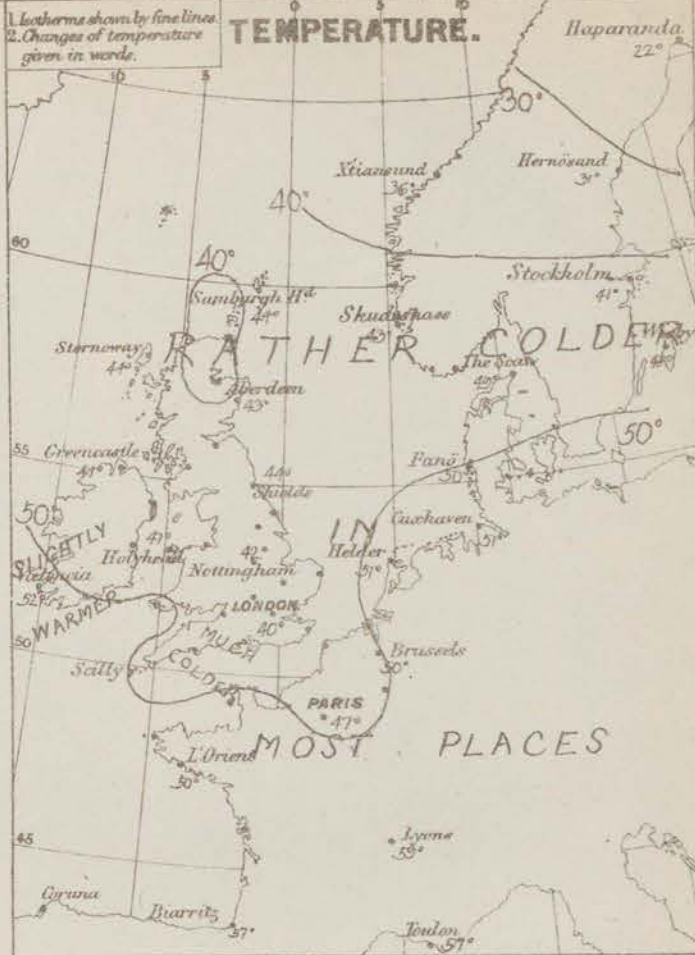
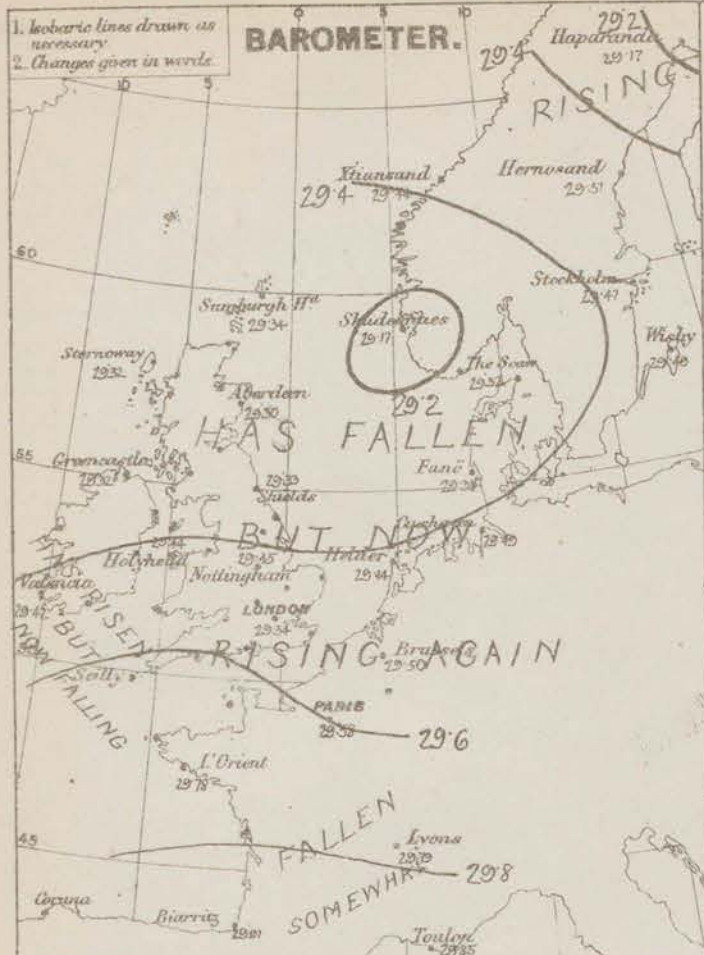
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 24th OCT^r 1877.



REMARKS. Weather is moderately clear at most of our stations, but rain is falling in the north east, and mist is reported from our east coast; on the Continent the sky is more or less cloudy, with rain in the Netherlands, and at Stockholm. Rain has fallen generally, and at our north western and north eastern stations heavily. Solar halo was seen at Nottingham yesterday, and lunar halo and corona at Cardiff last night. Temperature has fallen fast over France and the south of England, but has changed irregularly elsewhere; it now varies from 37° to 44° over Scotland, from 30° to 52° over Ireland, and from 40° to 51° over England; during last night the thermometers fell to 35° at Cambridge and 36° at London and a sharp frost occurred on the grass at the latter station. Wind is light or moderate generally, from NW over the Bay of Biscay, from W. to NW on our coasts and north Germany, and fresh from NE at Skudesnaes. Sea is moderate to slight. Barometrical Indications. The depression which yesterday lay over Christiansund has disappeared over northern Europe, while that which was approaching our north west coasts now lies near Skudesnaes. The barometer had risen over these Islands during last night, but a fresh decrease is now in progress at Valentia.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT Oct^r 25th 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 ...	29.48	21	NW	2	δ	29.52	+ .06	10	10	— 12	N	2	o	*	28	9	—	
Hernösand ...	29.52	30	Z	0	o	29.27	?	34	32	+ 3	E	6	s	*	*	*	—	
Stockholm ...	29.35	43	SW	2	r	29.18	— .29	42	42	+ 1	SSW	2	r	*	*	*	0.51	
Wisby ...	29.40	46	SSE	6	r	29.33	— .16	45	44	— 3	WSW	6	c	*	*	*	0.08	
Christiansund ...	29.25	36	ESE	2	δ	29.17	— .27	37	37	+ 1	N	4	r	3	39	32	—	
Skudesnaes ...	29.11	43	N	2	o	29.24	+ .07	43	42	0	NNE	2	o	3	46	?	—	
Oxö (Åtiansand) ...	29.14	47	SSW	6	δ	29.22	— .05	45	42	— 2	WSW	6	δ	4	50	43	—	
Skagen (The Sea) ...	29.27	47	SW	4	o	29.25	— .07	47	43	— 2	N	6	c	6	50	43	0.04	
Fanö ...	29.31	46	WSW	4	δ	29.42	+ .07	46	44	— 4	WSW	2	δ	*	50	45	—	
Cuxhaven ...	29.44	46	WSW	4	r	29.51	+ .02	44	44	— 7	SSW	3	r	*	?	41	0.15	
Sumburgh Head ...	29.34	40	NNE	3	δ	29.39	+ .05	37	35	— 7	NNE	3	δ	3	48	33	0.02	
Stornoway ...	29.33	44	ENE	2	o	29.38	+ .06	31	31	— 13	ENE	1	δ	4	48	29	—	
Thurso ...	29.35	44	N	1	c	29.40	+ .05	37	36	0	ESE	1	δm	2	52	32	0.02	
Wick ...	29.37	41	NW	1	δ	29.40	+ .05	43	40	0	NNE	1	δ	1	53	32	0.04	
Nairn ...	29.36	39	Z	0	δ	29.38	+ .06	30	29	— 7	Z	0	δm	0	46	30	0.06	
Aberdeen ...	29.36	43	N	1	δ	29.38	+ .08	34	33	— 9	Z	0	m	1	50	31	—	
Leith ...	29.31	42	SE	1	c	29.31	— .01	45	44	+ 1	SE	3	r	*	50	40	0.07	
Shields ...	29.40	46	Z	0	cf	29.31	— .02	44	43	0	SE	2	ff	2	51	42	0.10	
Scarborough ...	29.42	44	WSW	2	δ	29.31	— .01	46	45	+ 1	SSW	2	f	2	48	44	0.03	
York ...	29.42	46	ESE	1	o	29.30	— .04	45	45	0	ESE	1	o	*	49	44	0.14	
Nottingham ...	29.44	48	S	3	o	29.31	— .14	50	49	+ 8	S	1	o	*	54	41	0.02	
Ardrossan ...	29.32	47	E	2	o	29.25	— .08	45	43	+ 1	ENE	3	cm	2	51	43	0.14	
Greencastle ...	29.22	47	E	2	o	29.24	— .08	47	45	+ 6	ENE	2	o	*	48	40	0.06	
Donaghadee ...	29.29	43	SSW	2	r	29.21	— .16	48	48	+ 10	ENE	3	r	1	48	30	0.61	
Kingstown ...	29.30	52	N	2	c	29.22	— .20	?	50	47	+ 4	NNW	1	bcw	1	53	45	—
Holyhead ...	29.34	49	SW	2	r	29.23	— .21	49	48	+ 2	SSW	1	cf	0	52	46	0.45	
Liverpool (Bidston) ...	29.36	47	SSE	3	r	29.24	— .18	48	48	+ 3	SSE	1	bc	1	52	44	0.09	
Valencia ...	29.35	52	N	4	o	29.30	— .12	51	51	— 1	NNW	1	c	2	58	50	0.24	
Roche's Point ...	29.35	50	N	4	δc	29.25	— .20	50	48	0	NNW	3	c	3	57	49	0.26	
Pembroke ...	29.39	54	WSW	5	c	29.22	— .27	51	50	0	E	1	od	3	54	?	0.35	
Portishead ...	29.46	47	WSW	4	δc	29.23	— .30	51	51	+ 5	E	2	rm	3	56	44	0.54	
Seilly ...	29.57	52	WSW	5	o	29.17	— .44	56	56	+ 16	SW	2	off	*	57	39	0.36	
Plymouth ...	29.51	53	N	4	r	29.17	— .40	55	54	+ 9	SSE	4	r	4	56	49	0.52	
Hurst Castle ...	29.59	50	N	4	δc	29.39	— .13	52	51	+ 7	SSW	6	off	4	54	44	0.67	
Dover ...	29.54	51	WSW	2	δc	29.32	— .22	52	51	+ 12	Z	0	r	*	54	40	0.20	
London ...	*	*	*	*	*	29.29	— .23	50	50	+ 10	Z	0	r	*	54	39	0.19	
Oxford ...	29.50	49	SW	1	o	29.32	— .18	48	48	+ 8	S	1	o	*	56	38	0.14	
Cambridge ...	29.51	48	WSW	3	δ	29.37	— .09	50	49	+ 9	SSW	2	cd	2	51	40	0.20	
Yarmouth ...	*	*	*	*	*	29.43	— .01	49	49	— 2	SSW	2	r	*	*	*	0.20	
The Helder ...	29.42	52	WSW	5	c	29.41	— .13	48	48	0	S	5	r	4	54	45	0.04	
Cape Gris Nez ...	29.67	54	WSW	6	c	29.28	— .39	55	55	+ 4	SW	6	rm	6	58	51	0.50	
Brest ...	29.70	57	N	4	o	29.39	— .36	57	55	+ 5	NNW	4	m	5	?	50	0.47	
L'Orient ...	29.76	54	N	4	c	29.41	— .37	57	57	+ 7	N	4	r	5	59	48	0.49	
Rochefort ...	29.88	59	N	4	δc	29.56	— .22	55	55	+ 1	SW	?	r	7	61	50	0.51	
Biarritz ...	29.97	59	WSW	5	r	29.74	— .17	54	50	— 3	SSE	3	r	4	61	48	0.52	
Corunna ...	*	*	*	*	*	29.54	+ .04	47	*	— 3	SSW	6	o	*	*	*	0.40	
Brussels ...	*	*	*	*	*	29.57	+ .15	41	*	— 9	SE	3	c	*	*	*	*	
Charleville ...	29.77	49	ESE	1	c	29.54	— .04	46	46	— 1	S	3	r	*	*	*	0.12	
Paris ...	*	*	*	*	*	29.84	+ .05	48	*	— 11	E	4	δ	*	*	*	*	
Lyons ...	29.77	54	NW	4	c	29.79	— .06	46	43	— 11	NW	4	δ	5	54	?	0.55	
Toulon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.07	46	44	NE	6	r	6	Valencia ...	29.27	56	52	WSW	5	δc	5
Thurso	29.36	49	46	N	2	c	3	Seilly							
Scarborough ...	29.41	47	45	WSW	2	c	2	London	29.56	54	47	SW	5	δc	*
Greencastle ...	29.27	46	45	SE	2	r	*	Rochefort ...	29.88	57	52	NW	5	δc	3
Holyhead	29.27	52	49	SW	3	r	2								

Rain is falling in the NW. and elsewhere the weather is rather cloudy. A fresh depression has advanced over Ireland, and the wind circulates round it.

EXPLANATION OF COLUMNS.

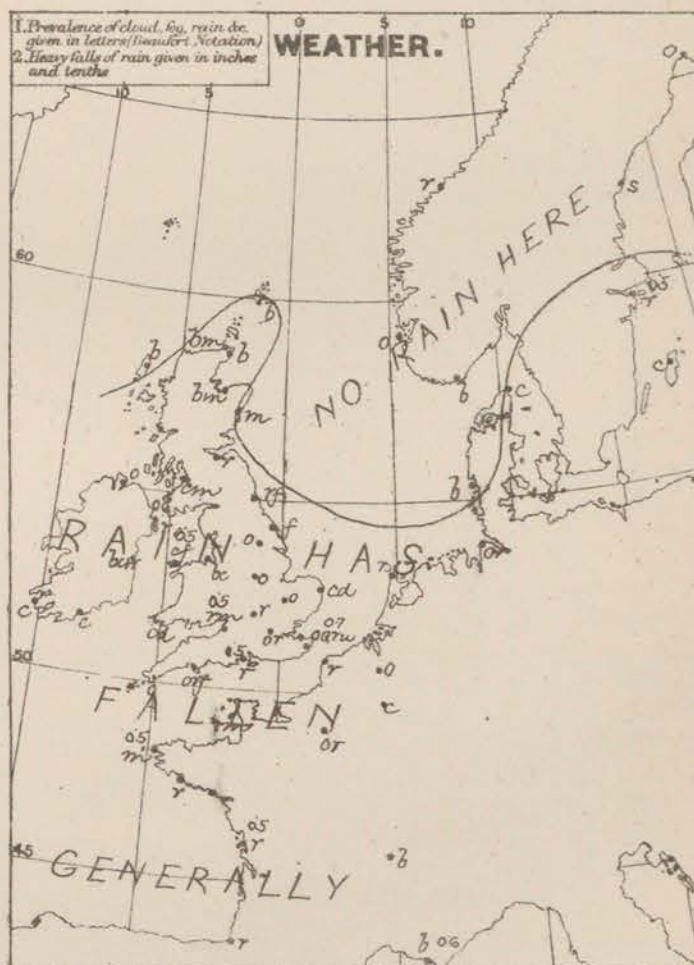
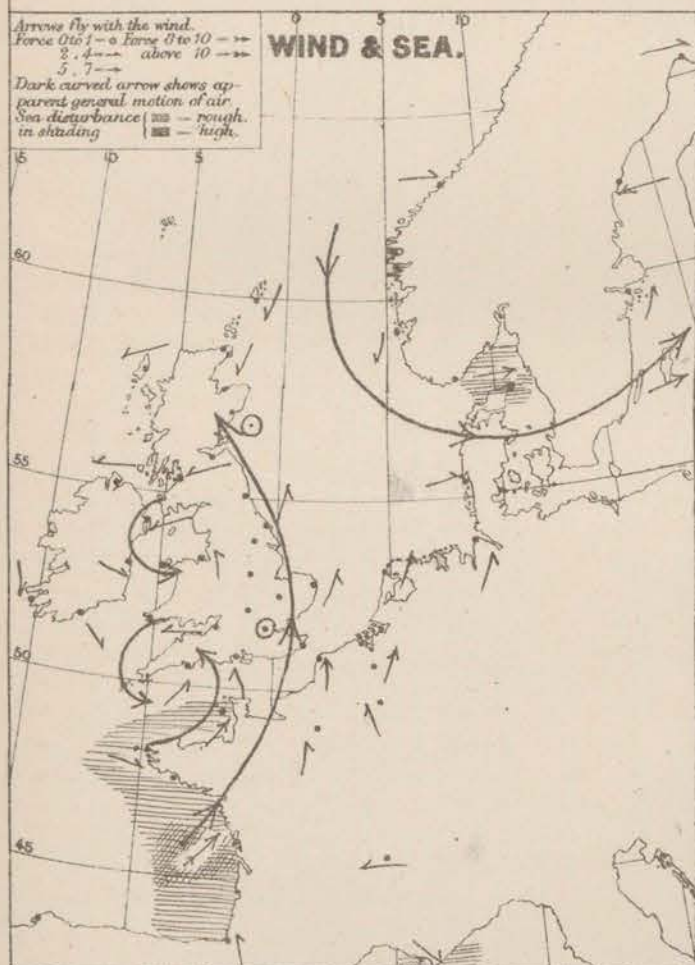
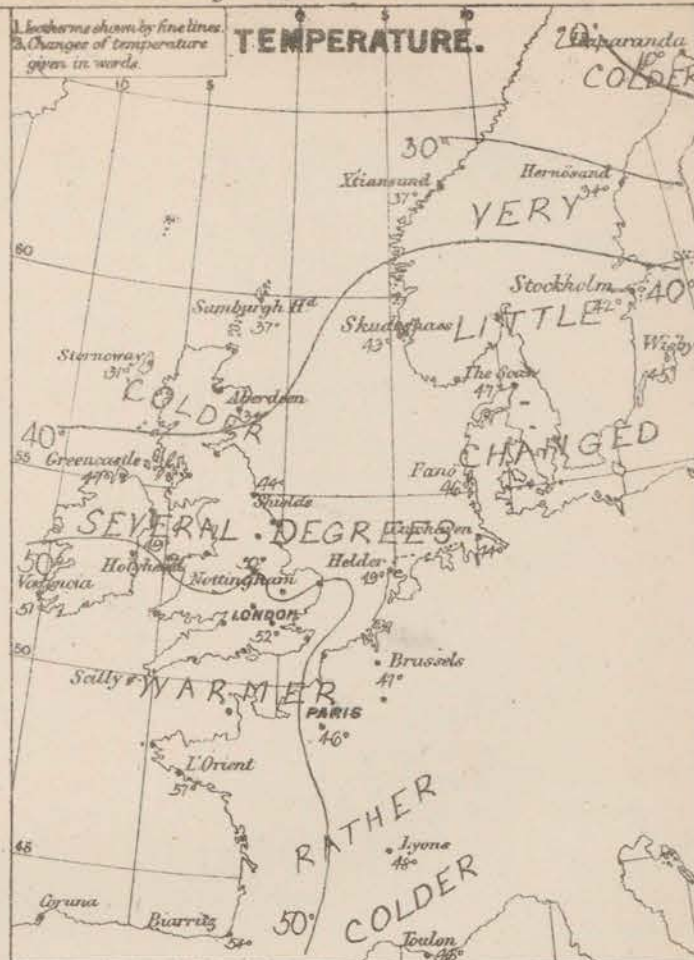
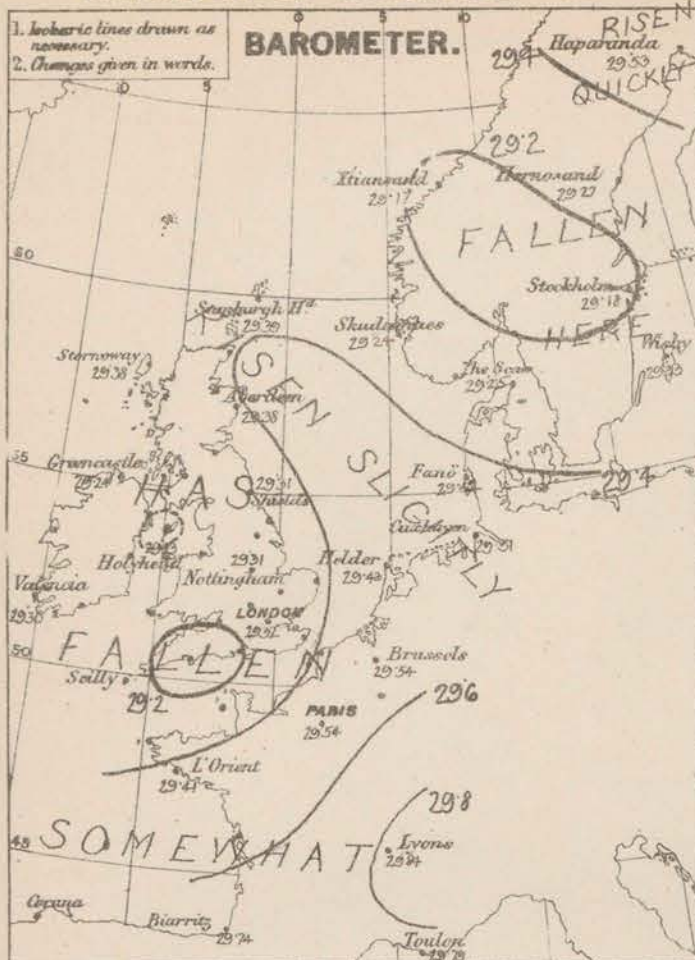
WEATHER.—Beaufort Scale is, b. blue sky, c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Thursday 25th OCT^r 1877.



REMARKS. Weather is clear, though rather misty, in the north of Scotland but is cloudy or overcast elsewhere, with rain over the south and south east of England and the north and north west of France, as well as at Leith, Shields and Donaghadee. Rain has been general during the past 24 hours, the falls at Donaghadee, Portlaoine, Anist Castle, Dover, Rochefort and Stockholm exceeding half an inch. Temperature has fallen fast in the north of Scotland as well as in north Germany and Lapland, but has risen in most other places—rapidly in the south and south east of England and east of Ireland; it now varies from 30° to 45° over Scotland, from 47° to 51° over Ireland, and from 44° to 50° over England. At Toulon the thermometer is as low as 46°, while in the north of Sweden it stands at only 10° F. Mist is thick and rather strong in the Channel, but is light and variable elsewhere. Sea is rough in the Bay of Biscay, moderate to slight on our other coasts.

Barometrical Indications. Pressure is increasing slightly in the north of Scotland and also in the south of Denmark, but is falling in all other places, chiefly in the south west. A large shallow depression lies over Ireland and England, having two centres, one situated over the south west of England, the other over the Irish Sea.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT *OCTOBER 26th 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 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 ...	29.3	23	NW	4	bc	29.40	- .13	14	13	+ 4	NW	2	0	*	23	9	-	
Hernösand ...	29.34	31	Z	0	0	29.51	+ .24	24	23	- 10	NNW	2	0	*	*	*	0.04	
Stockholm ...	29.37	44	WSW	6	0	29.54	+ .36	41	40	- 1	Z	0	0	*	*	*	0.04	
Wisby ...	29.47	46	SW	6	r	29.60	+ .27	46	45	+ 1	SW	6	0	*	*	*	0.24	
Christiansund ...	29.36	37	NNW	4	0	29.47	+ .30	35	33	- 2	SSW	5	0	4	?	32	1.22	
Skudesnaes ...	29.43	39	N	2	0	29.61	+ .37	37	35	- 6	NNE	2	0	2	43	?	-	
Oxö (Klansand) ...	29.38	42	NW	2	0	29.54	+ .32	37	35	- 8	NNW	4	0	2	48	24	-	
Skagen (The Scaw) ...	29.39	46	WSW	2	v	29.53	+ .28	41	38	- 6	N	3	0	0	48	26	-	
Fanö ...	29.41	46	S	2	r	29.50	+ .08	43	43	- 3	N	4	0	*	48	43	0.59	
Cuxhaven ...														*				
Sumburgh Head ...	29.48	37	Z	0	0	29.56	+ .17	41	39	+ 4	WSW	1	0	1	45	33	0.09	
Stornoway ...	29.46	38	NNE	1	0	29.50	+ .12	45	44	+ 14	SSW	5	0	5	45	30	-	
Thurso ...	29.51	38	Z	0	0	29.54	+ .16	32	31	- 5	S	2	0	2	54	29	-	
Wick ...	29.51	41	Z	0	0	29.57	+ .17	39	38	- 14	S	1	0	0	53	28	-	
Nairn ...	29.48	39	Z	0	bc	29.60	+ .22	32	30	+ 2	Z	0	0	0	45	30	-	
Aberdeen ...	29.48	44	NE	1	0	29.64	+ .26	33	32	- 1	SSW	1	0	1	46	32	-	
Leith ...	29.45	43	E	3	r	29.66	+ .35	40	40	- 5	SE	1	0	*	46	39	0.06	
Shields ...	29.39	48	E	4	r	29.71	+ .40	47	45	+ 3	S	1	0	3	49	45	0.36	
Scarborough ...	29.37	46	Z	0	0	29.71	+ .40	47	45	+ 1	E	1	0	2	49	45	0.04	
York ...	29.36	46	NE	1	r	29.71	+ .41	45	45	0	NE	1	0	*	50	43	0.03	
Nottingham ...	29.37	49	N	1	0	29.75	+ .44	47	46	- 3	Z	0	0	*	55	45	-	
Ardrossan ...	29.41	44	NE	3	0	29.65	+ .40	38	37	- 7	NNE	2	0	1	49	38	-	
Greencastle ...	29.40	48	NE	2	0	29.63	+ .39	41	41	- 6	SW	1	0	*	50	35	-	
Donaghadee ...	29.41	47	E	2	v	29.69	+ .48	39	39	- 9	SW	2	0	1	49	38	0.03	
Kingstown ...	29.39	51	NN	4	r	29.74	+ .52	44	43	- 6	Z	0	0	1	52	43	0.03	
Holyhead ...	29.36	51	WSW	2	v	29.74	+ .51	49	49	0	NNW	1	0	1	54	48	0.01	
Liverpool (Bidston) ...	29.36	50	NW	1	0	29.71	+ .47	48	48	0	NNW	1	0	1	54	47	0.12	
Valencia ...	29.54	53	NNW	3	c	29.76	+ .46	53	50	+ 2	SW	4	0	4	58	46	-	
Roche's Point ...	29.54	50	NN	4	bc	29.80	+ .55	48	45	- 2	N	2	0	3	57	47	-	
Pembroke ...	29.30	34	NW	1	0	29.76	+ .54	52	49	+ 1	NNW	2	0	2	54	51	0.04	
Portishead ...	29.34	46	N	2	r	29.74	+ .51	48	47	- 3	WSW	2	0	3	54	46	0.1	
Scilly ...																		
Plymouth ...	29.41	53	NW	2	0	29.81	+ .64	47	47	- 9	NN	2	0	*	59	46	0.07	
Hurst Castle ...	29.29	54	NN	2	0	29.71	+ .55	49	48	- 6	NW	2	0	2	60	46	0.35	
Dover ...	29.25	51	NE	4	0	29.71	+ .32	48	47	- 4	NNW	3	0	1	53	47	0.74	
London ...	29.30	53	Z	0	od	29.73	+ .41	48	47	- 4	NNW	1	0	*	54	48	0.30	
Oxford ...	*	*	*	*	*	29.76	+ .47	45	45	- 5	Z	0	0	*	54	44	0.23	
Cambridge ...	29.37	49	ESE	1	r	29.74	+ .42	46	46	- 2	NN	1	0	*	54	44	0.17	
Yarmouth ...	29.30	50	Z	0	0	29.69	+ .32	50	48	0	NNW	2	0	2	53	46	0.02	
The Helder ...	*	*	*	*	*	29.55	+ .12	48	48	- 1	NNW	1	0	*	*	*	0.47	
Cape Gris Nez ...	29.23	52	NE	3	r	29.70	+ .29	50	48	+ 2	NNW	3	0	3	54	48	0.63	
Jersey ...	29.42	57	N	6	0	29.82	+ .54	54	51	- 1	NN	5	0	5	59	53	0.15	
Brest ...	29.58	59	NN	4	m	29.92	+ .53	54	54	- 3	NN	4	0	4	61	54	0.04	
L'Orient ...	29.57	55	NN	5	m	29.93	+ .52	54	52	- 5	NN	4	0	5	61	50	-	
Rochefort ...	29.60	59	NNN	8	0	29.95	+ .39	55	52	0	NN	5	0	5	62	48	0.39	
Biarritz ...	29.76	59	SSW	4	r	30.05	+ .31	57	55	+ 3	N	4	0	5	63	52	0.47	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.64	+ .10	50	*	+ 3	N	6	0	*	*	*	0.37	
Charleville ...	*	*	*	*	*	29.61	+ .02	50	*	+ 9	WSW	3	0	*	*	*	*	
Paris ...	29.38	55	SW	3	0	29.76	+ .22	53	50	+ 7	N	3	0	*	*	*	0.20	
Lyons ...	*	*	*	*	*	29.89	+ .05	56	*	+ 8	S	?	0	*	*	*	*	
Toulon ...	29.52	56	NW	2	0	29.74	+ .05	50	48	+ 4	NN	4	0	3	55	?	0.95	

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

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	29.36	42	39	N	6	c	3	Valencia	29.44	57	54	NNW	4	bc	4
Thurso	29.45	48	43	E	1	bc	2	Scilly							
Scarborough ...	29.53	45	45	SSE	2	m	2	London	29.23	54	52	E	1	out	*
Greencastle ...	29.38	49	46	NE	2	o	*	Rochefort ...	29.56	61	59	NNW	5	e	7
Holyhead	29.30	53	51	N	3	c	2								

Weather is fine at Valencia and Thurso, cloudy and dull elsewhere with rain and mist in the S. and E. The depression lies over central England, and pressure is recovering again in the N. with a NW wind.

EXPLANATION OF COLUMNS.

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

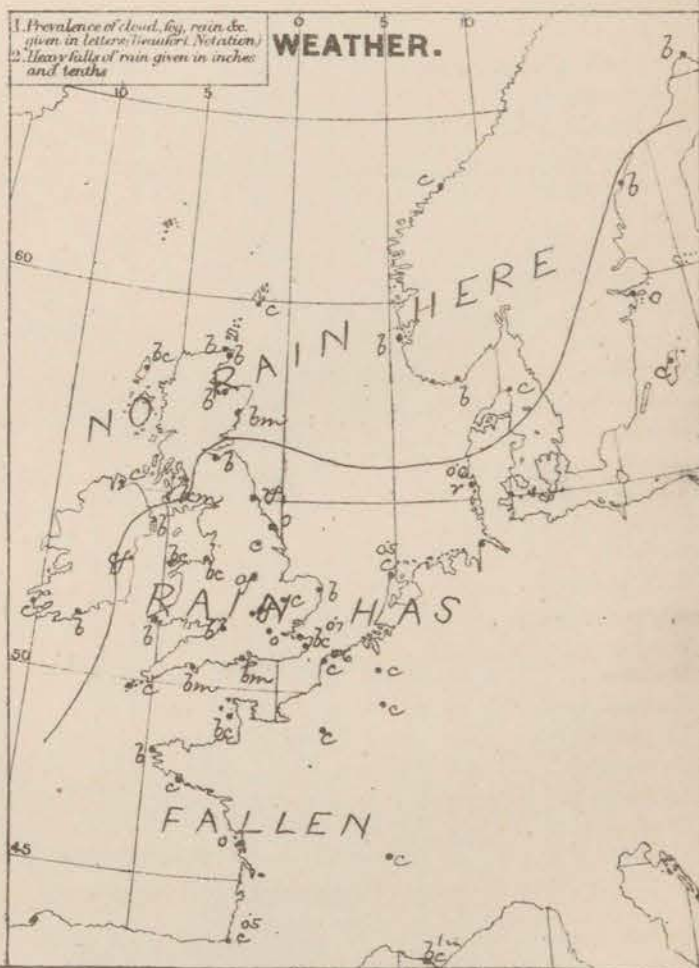
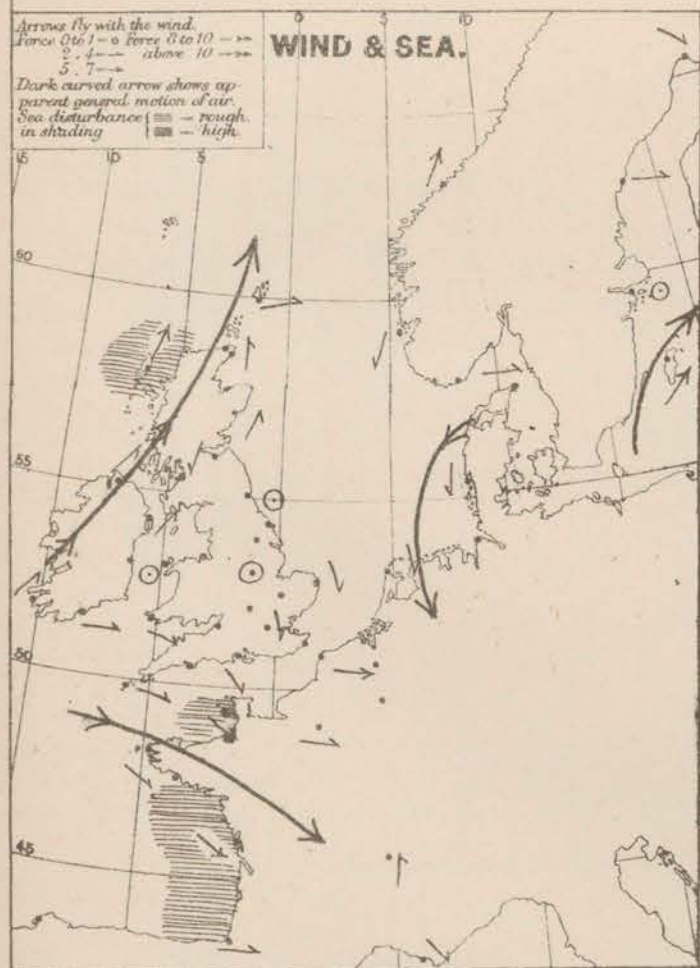
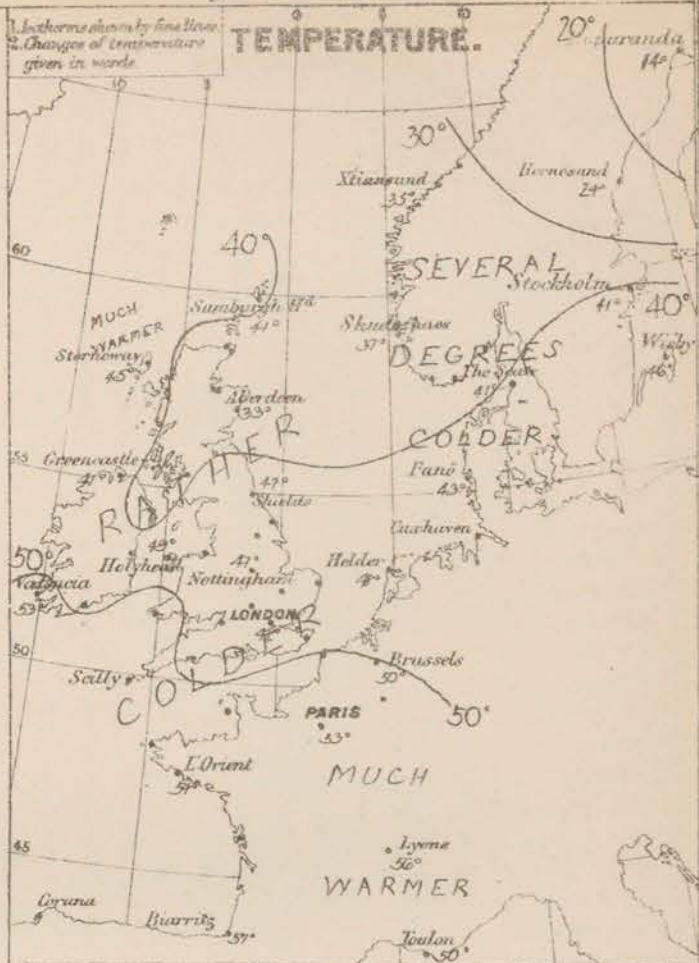
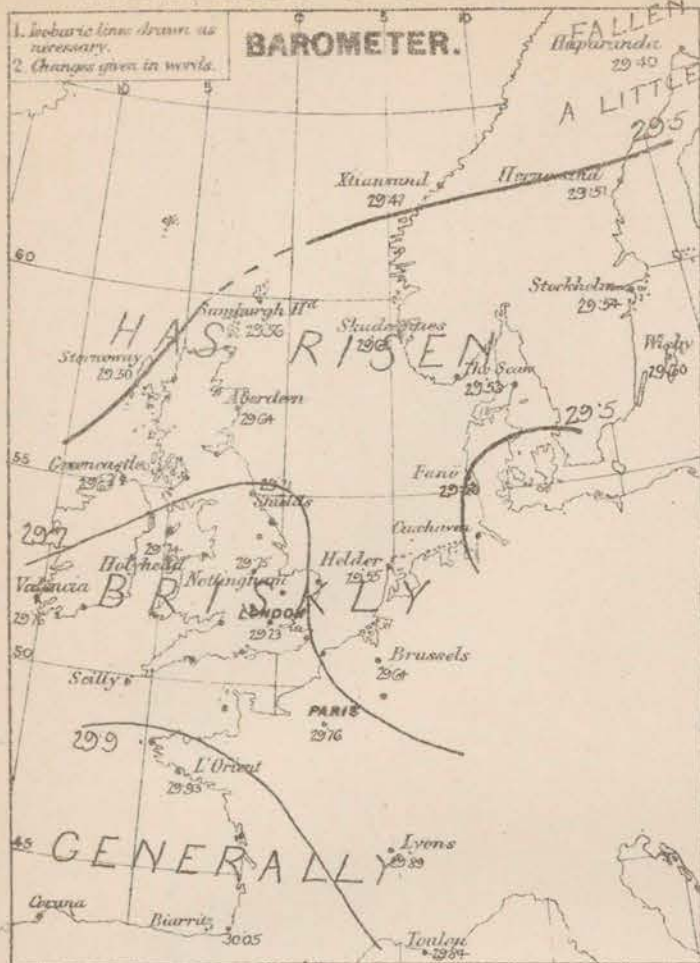
* AN ASTERISK is inserted in all places for which information is not usually received.

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

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

WEATHER CHARTS

for 8 a.m. on Fri day 26th OCT^r 1877.



REMARKS. Fog is locally dull over the central and north eastern parts of England, but is fine in most other places; fog barrels at Dover and Nottingham, rain at Shields and mist in the Channel. Rain fell yesterday in Scandinavia, at some of our north eastern and western stations and over the whole of France and the south of England; at Dover and Cape Gris Nez the amounts were large. Temperatures higher in the Hebrides and Shetland, as well as in the east of France, but has fallen in nearly all other places; it varies from 32° to 45° in Holland, from 39° to 53° in Ireland, and from 45° to 53° over England. It is as low as 14° in the north of Sweden and as far south as Seltown only reaches 30° . Wind is S. in the extreme west and north, but is W. to NW. elsewhere; it is light on most of our coasts but blows fresh at the mouth of the Channel and over the Bay of Biscay. Sea is moderate to calm except in the British and on the west coast of France.

Barometrical Indications. Pressure has increased in all parts of Western Europe, quickly in the south but the rise appears to be somewhat checked in the west this morning. The barometer is highest over Spain, and lowest over the Gulf of Bothnia, while the depression which passed across these Islands yesterday now lies over Denmark.

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.
Secret.

Secret 31.

DAILY WEATHER REPORT *OCTOBER 27th* 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 ...	29.64	14	Z	0	δ	29.87	+ .47	18	17	+ .4	Z	0	δ	*	27	10	—	
Hernösand ...	29.78	29	NNE	2	δ	30.03	+ .22	20	19	— .4	NNE	2	δ	*	*	*	—	
Stockholm ...	29.71	44	NE	2	0	29.98	+ .44	38	37	— .3	N	2	0	*	*	*	—	
Wisby ...	29.71	41	S	4	0	29.89	+ .28	44	42	— .2	NNE	4	0	*	*	*	—	
Christiansund ...	29.66	36	S	1	δ	29.69	+ .22	39	37	+ .4	SE	5	c	3	?	32	—	
Skudesnaes ...	29.82	42	Z	0	δ	29.81	+ .20	46	43	+ .9	SSE	8	0	6	?	37	—	
Oxö (Xtiansand) ...	29.85	40	N	4	δ	29.99	+ .45	36	34	— .1	?	4	c	2	43	32	—	
Skagen (The Seaw) ...	29.87	41	NNE	2	δ	30.04	+ .51	43	40	+ .2	S	2	δ	0	46	37	—	
Fanö ...	29.95	38	N	2	δ	30.05	+ .55	36	35	— .7	SSE	2	δ	*	48	36	0.08	
Cuxhaven ...	29.87	4	N	4	δc	30.09		38	38		SSH	1	δ	*	48	36	—	
Sumburgh Head ...	29.55	46	S	4	c	29.28	— .28	50	49	+ .9	S	8	r	7	50	?	0.11	
Stornoway ...	29.30	49	S	10	r	29.12	— .38	48	46	+ .3	SSH	8	0	7	50	43	0.62	
Thurso ...	29.49	47	S	4	0	29.22	— .34	49	47	+ .17	S	2	c	3	52	32	—	
Wick ...	29.52	48	S	4	0	29.24	— .33	51	49	+ .12	SE	3	δc	4	53	38	—	
Nairn ...	29.54	47	Z	0	δ	29.27	— .33	49	45	+ .17	Z	0	c	0	53	?	—	
Aberdeen ...	29.63	47	S	3	δc	29.36	— .28	50	49	+ .17	S	8	r	5	51	33	0.06	
Leith ...	29.68	48	SSH	1	c	29.38	— .28	53	52	+ .13	SSH	4	0	*	56	39	0.01	
Shields ...	29.78	49	SSH	5	c	29.58	— .13	50	48	+ .3	SSH	4	0	3	51	46	0.03	
Scarborough ...	29.84	47	S	1	δ	29.69	— .02	48	46	+ .1	S	5	0	4	51	45	—	
York ...	29.84	48	S	1	δc	29.70	— .01	50	48	+ .5	SSH	5	c	*	53	43	—	
Nottingham ...	29.93	47	SSH	1	δ	29.77	+ .02	50	48	+ .3	SSH	5	δc	*	56	42	—	
Ardrossan ...	29.64	53	S	4	0	29.37	— .28	51	49	+ .13	SSH	5	g/p	5	55	38	0.65	
Greencastle ...	29.51	52	SSE	3	0	29.33	— .30	47	45	+ .6	SSH	3	c	*	54	41	0.04	
Donaghadee ...	29.71	50	SSH	4	δc	29.45	— .24	48	48	+ .9	SSH	5	δ	2	53	38	0.24	
Kingstown ...	29.72	54	SSH	4	c	29.58	— .16	53	48	+ .9	SSH	4	δ	3	54	43	0.24	
Holyhead ...	29.79	53	SSH	3	c	29.60	— .14	54	51	+ .5	SSH	5	δ	4	55	48	0.12	
Liverpool (Bidston) ...	29.83	50	SSH	2	δ	29.64	— .07	51	51	+ .3	SSE	3	r	2	54	47	0.99	
Valencia ...	29.63	56	S	8	0	29.63	— .13	54	49	+ .1	SSH	5	δmg	5	57	44	0.47	
Roche's Point... ..	29.73	44	SSH	6	c	29.67	— .13	51	48	+ .3	SSH	3	δ	4	57	48	0.28	
Pembroke ...	29.86	54	SSH	3	c	29.69	— .07	56	54	+ .4	SSH	7	c/r	5	56	57	0.03	
Portishead ...	30.00	53	SSH	3	δc	29.82	+ .08	54	52	+ .6	S	5	δc	3	58	46	—	
Scilly ...																		
Plymouth ...	29.94	52	NNE	2	δ	29.87	+ .46	55	54	+ .8	SSH	5	0	*	58	46	—	
Hurst Castle ...	29.91	55	NNE	2	δ	29.92	+ .20	56	55	+ .7	SSH	4	r	4	58	41	0.04	
Dover ...	29.97	50	SE	2	δ	29.99	+ .28	54	52	+ .6	SSH	5	δ	4	54	46	0.02	
London ...	29.94	53	Z	0	δf	29.88	+ .15	52	50	+ .4	S	2	0	*	57	46	—	
Oxford ...	*	*	*	*	*	29.86	+ .10	51	49	+ .6	S	3	0	*	58	45	—	
Cambridge ...	29.92	46	SSH	1	δ	29.87	+ .13	49	48	+ .3	S	2	0	*	56	40	—	
Yarmouth ...	29.92	50	SE	2	δ	29.92	+ .23	50	49	0	SSH	3	δmg	3	52	45	—	
The Helder ...	*	*	*	*	*	30.02	+ .47	40	40	— .8	S	1	c	*	*	*	0.04	
Cape Gris Nez ...	29.91	52	NNE	1	δ	30.01	+ .31	54	52	+ .4	SSH	5	c	4	55	46	—	
Jersey ...	30.02	54	NNE	4	δ	30.02	+ .20	54	51	0	SSH	5	cw	5	60	51	0.01	
Brest ...	30.06	61	SSH	3	δ	30.01	+ .09	55	54	+ .1	SSH	4	0	5	?	52	0.08	
L'Orient ...	30.08	52	NNE	3	δc	30.08	+ .15	54	52	0	SSH	3	δc	4	61	48	0.04	
Rocheport ...	30.09	59	NNE	3	δ	30.12	+ .17	54	52	— .1	SE	3	0	0	63	50	0.08	
Biarritz ...	30.13	61	SSH	3	δc	30.11	+ .06	46	45	— .11	SE	2	0	4	61	43	—	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.09	+ .45	44	*	— .6	SSH	6	0	*	*	*	—	
Charleville ...	*	*	*	*	*	? 30.09	+ .48	40	*	— .10	E	1	f	*	*	*	*	
Paris ...	29.89	57	NNE	0	δ	30.11	+ .35	44	44	— .8	S	2	0	*	*	*	—	
Lyons ...	*	*	*	*	*	30.18	+ .29	52	*	— .4	NNE	2	?	*	*	*	*	
Toulon ...	? 29.87	57	NNE	7	δ	? 30.01	+ .47	52	43	+ .2	NNE	4	δ	5	63	50	—	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.76	41	39	ENE	4	r	2	Valencia ...	29.70	57	53	SSH	7	0	6
Thurso	29.56	46	43	SSH	3	bc	3	Scilly							
Scarborough ...	29.71	50	48	S	2	c	2	London	29.87	54	52	NH	2	cw	*
Greencastle ...	29.60	52	50	SSH	2	bc	*	Rocheport ...	30.03	59	55	NH	4	bc	5
Holyhead	29.79	53	51	SH	3	c	2								

The barometer has begun to fall at Valencia, accompanied by a strong SSH. wind, dull weather, and a rough sea.

EXPLANATION OF COLUMNS.

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

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

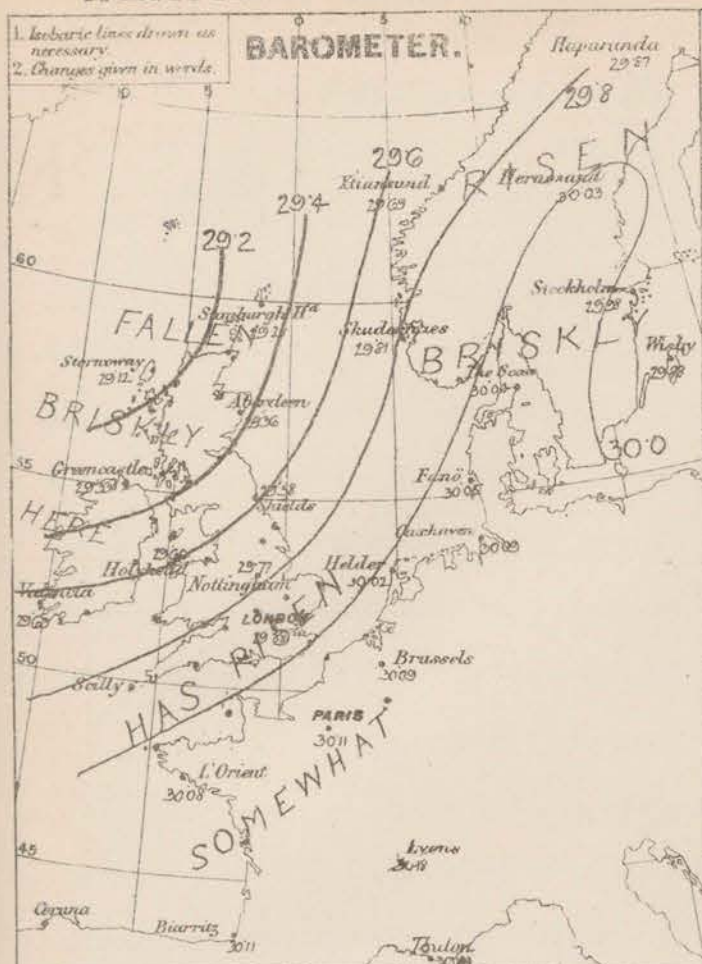
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Saturday 27th Oct^r 1877.

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

BAROMETER.



SUMMARY OF WEATHER IN WESTERN EUROPE

from OCT^r 21st to OCT^r 28th 1877.

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

During the whole of this week the region of highest pressure has been found over S^w Europe, and numerous depressions have passed from the S^w to NE^w across or near our Islands. Each of these (with the exception of those of the 23rd and 25th) has been rather deep and the wind which has varied from S^w. through N. to N^w. and back, has been strong in the N. and N^w. increasing at times to a fresh or hard gale. Temperature has oscillated according to the direction of the wind, and the weather has varied according to the relative positions of the various depressions. The week has been very wet.

OCT^r 21st The barometer was rising over Denmark and the S. of Scandinavia, but falling in all other places. A deep depression had advanced to the N. of Scotland, while the highest readings (exceeding 30.3 ins.) lay over the SE. of France. Gradients were steep in the N. and N^w. Wind was N^w over the Baltic, but S^w to SE^w on all other coasts. It varied from a light breeze in the SE. to a strong wind at most of the N^w and N^{at} stations, and a fresh gale at Pembroke. During the night it had blown a hard gale in the N. Temperature had risen generally, from 15° to 20° in the N. Sky was clear or nearly so at most of the Continental stations, but was dull elsewhere with rain at no less than eighteen of our stations. In the evening the depression was moving away to the NE^w, the barometer rising and the wind veering.

OCT^r 22nd Pressure was increasing slightly both over France, and in the extreme N. of Scotland, but was decreasing in all other places. The highest pressures (30.3 ins.) still lay over the SE. of France, but the lowest (29.2 ins.) were now found off the N^w of Scotland. The wind had consequently veered to S^w. over the United Kingdom and France, and was light to fresh in force generally. Temperature had fallen somewhat in Ireland and Scotland, but had risen elsewhere, quickly over France. Sky was cloudy or overcast except on our E. coast, with rain in Denmark and the S. of Sweden and snow at Stockholm. Rain had been general. In the evening the barometer was rising in Ireland, though still falling elsewhere, and the wind had veered to N. very generally.

OCT^r 23rd The depression which on the previous day lay to the N^w of Scotland, was now near Christianaund, while a second disturbance had advanced over Ireland from the Atlantic. The mercury had risen slightly during the night in the N. and E. but had fallen elsewhere. The highest readings (30.2 ins.) still lay over the SE. of France. Wind was N^w in the S. of Ireland, and on the eastern shore of the North Sea, but S^w to SE^w over the greater part of these Islands. It blew strongly in the S. of Norway, but was moderate elsewhere. Temperature had fallen several degrees over the British Islands, and varied from 38° at Aberdeen to 54° at Falmouth, it had changed very little over France, but risen quickly in Sweden. Sky was locally clear in the NE. both of England and Scotland, dull and rainy elsewhere. Later Reports

showed that the depression from the N. of Ireland had advanced ^{East} over Great Britain, so that the barometer was falling quickly in the East though rising in the N.

OCT^r 24th The depression which traversed the British Isles on the 23rd, had its centre near Skudenes, where the barometer stood at 29.17 ins. while that which had been near Christiansund had disappeared over N^w Europe. The barometer was highest (30.0 ins.) over Spain. Wind was N^w over the Channel and Bay of Biscay, but N^e to S^w on most of our coasts and over the North Sea, and NE^{ly} at Skudenes. ^{It was light or moderate in force except at Skudenes.} Temperature had fallen quickly over France, and the S. of England, but changed irregularly elsewhere. It varied from 37° in the N. of Scotland to 52° in the S. of Ireland. Rain was falling at our NE^m stations and the East of France, but the sky was moderately clear over the greater part of these Islands. Later in the day a fresh depression appeared in the N. while the former one still lay over the N. of Norway, and the barometer began falling again in the N.

OCT^r 25th The low pressure which was advancing over Ireland on the ^{afternoon of the} 24th lay over Ireland, Wales, and the greater part of England. It proved to be a large shallow disturbance, apparently having two minima, one over the Irish Sea, the other over the S^w of England. Gradients were rather steep in the N. of France. Wind was N^w to N^e in the S, S^w in the SE, and SE^{ly} to E^{ly} in the N. It was light in force except in the Straits of Dover. Temperature had fallen over the N. of Scotland, but risen quickly over England. It varied from 30° at Cairn to 46° at Valmouth. Weather was clear in the N. of Scotland, but dull or cloudy elsewhere, with rain over the Channel and East of England. The depression passed right across ^{us} in an E^{ly} direction during the day, and at 6 PM the barometer was rising at all excepting our SE^m stations.

OCT^r 26th The depression just referred to had reached the Baltic and N Germany, and the barometer had risen in all parts of N^w Europe—very quickly in the S^w. The highest pressures still lay over Spain. Wind was moderate or fresh from N^w over the Channel and France, it was very light in the E. and N. but had backed to the S^w again in the N. Temperature had fallen slightly in nearly all places, but at Valentia it had risen slightly, and at Stornoway ^{very} quickly. Weather was locally dull over the Central and NE^m parts of England, with fog and rain, but was fine elsewhere. In the evening the barometer was falling in the N, while a fresh S^e gale had sprung up at Valentia, and a hard gale in the Hebrides.

OCT^r 27th A disturbance which had caused the fall of the barometer in the N. on the previous afternoon, now lay to the N^w of Scotland (29.2 ins.), and pressure was decreasing over these Islands, though it still rose over France, and on the E^m shores of the North Sea. The highest readings 30.1 ins. were found over France, and gradients were steep on our coasts. The wind was S^w to S^e and while fresh to strong generally, reached the force of a fresh gale in the east and north of Scotland. Temperature had risen in most places, exceedingly quickly over Scotland. Weather was cloudy and unsettled at most of our stations, but was clear in Ireland, and at the greater number of the Continental Observatories. In the evening the barometer was rising again except in the SE, and the disturbance was apparently moving away.

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

DAILY WEATHER REPORT OCT 28th 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Force, (0 to 13).	BAROMETER.		SHADE TEMP.			WIND.		Force, (0 to 13).	Weather.	Temp. (0 to 9.).	SHADE TEMP.		Amount of Rainfall.
			Direc.	Force, (0 to 13).			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Influence from 8 a.m. yesterday.	Direc.	Force, (0 to 13).				Max.	Min.	
Haparanda ...	30.14	23	Z	0	δ		30.24	+ .37	28	28	+ 10	SE	2	u	28	14	—		
Hernösand ...	30.10	34	S	2	δ		30.20	+ .17	29	28	+ 9	SW	2	δ	28	14	—		
Stockholm ...	30.13	37	N	2	δ		30.13	+ .15	37	35	+ 1	Z	0	δ	37	35	—		
Wiesby ...	30.01	41	SSE	4	α		30.26	+ .78	40	39	+ 4	SSE	4	0	40	39	—		
Christiansund ...	29.59	48	SE	8	0		29.66	+ .03	48	46	+ 9	SE	4	α	48	37	—		
Skudesnaes ...	29.67	49	SE	8	r		29.72	+ .09	48	46	+ 2	SE	6	0	48	46	0.67		
Oxö (Klansund) ...	29.93	46	SSE	7	0		29.84	+ .15	46	46	+ 10	SE	6	r	46	43	—		
Skagen (The Sew) ...	30.04	42	S	4	c		29.94	+ .10	44	42	+ 1	S	7	0	44	37	—		
Fanö ...	29.92	43	S	6	c		29.85	+ .20	45	45	+ 9	S	5	r	45	37	0.04		
Cuxhaven ...	30.07	41	SW	2	δ		29.94	+ .15	47	47	+ 9	SW	3	r	47	41	0.04		
Sumburgh Head ...	29.28	48	SW	6	δ		29.49	+ .21	47	45	+ 3	WNW	2	δ	47	45	0.10		
Stornoway ...	29.17	50	SW	6	δ		29.62	+ .50	44	43	+ 4	W	5	δ	53	42	0.30		
Thurso ...	29.26	46	S	4	δ		29.60	+ .38	45	44	+ 4	SW	4	r	55	43	0.14		
Wick ...	29.31	49	SW	3	δ		29.62	+ .35	45	43	+ 6	WN	2	0	53	43	0.02		
Nairn ...	29.30	46	WN	3	r		29.68	+ .41	45	43	+ 4	WN	2	c	51	43	0.21		
Aberdeen ...	29.43	48	SW	3	δ		29.70	+ .34	46	42	+ 4	SW	1	δ	53	42	0.14		
Leith ...	29.49	51	WSW	3	δ		29.76	+ .38	47	45	+ 6	WSW	2	δ	56	45	0.04		
Shields ...	29.62	51	SW	5	δ		29.85	+ .27	49	47	+ 1	W	2	δ	57	46	0.02		
Scarborough ...	29.70	48	SW	2	δ		29.89	+ .20	48	46	+ 0	W	2	δ	55	45	0.02		
York ...	29.71	51	WSW	1	δ		29.91	+ .21	48	48	+ 2	WSW	2	δ	57	45	0.06		
Nottingham ...	29.80	51	SW	3	δ		30.02	+ .25	46	45	+ 4	SE	2	c	56	41	0.07		
Ardrossan ...	29.47	52	SW	5	δ		29.80	+ .43	52	48	+ 1	WNW	2	c	55	50	0.29		
Greenock ...	29.42	49	WSW	4	r		29.84	+ .57	48	47	+ 1	W	2	0	54	45	0.24		
Donaghadee ...	29.34	46	SW	4	c		29.90	+ .45	46	46	+ 2	W	4	δ	54	44	0.13		
Kingstown ...	29.65	50	W	4	δ		29.98	+ .40	50	47	+ 3	W	4	δ	56	49	0.03		
Holyhead ...	29.69	51	SW	5	δ		29.99	+ .39	51	49	+ 3	WNW	2	c	57	50	0.05		
Liverpool (Bidston) ...	29.60	52	SW	4	α		29.94	+ .30	50	49	+ 1	WSW	5	δ	57	48	0.03		
Valencia ...	29.82	54	WSW	5	δ		30.02	+ .39	53	50	+ 1	S	3	c	57	47	0.06		
Roche's Point ...	29.82	54	W	5	δ		30.06	+ .39	48	47	+ 3	WSW	2	0	57	47	0.10		
Pembroke ...	29.80	55	WSW	5	δ		30.06	+ .37	52	50	+ 2	WNW	2	δ	57	52	0.03		
Portishead ...	29.84	53	W	5	δ		30.06	+ .34	50	49	+ 4	W	4	δ	57	47	0.31		
Seilly ...	29.91	53	SW	2	δ		30.12	+ .25	44	44	+ 11	W	1	δ	58	43	0.07		
Plymouth ...	29.93	56	W	4	δ		30.09	+ .17	52	51	+ 4	WNW	4	δ	64	51	0.25		
Hurst Castle ...	29.90	54	SW	6	0		30.07	+ .08	49	47	+ 5	W	3	δ	56	47	0.14		
Dover ...	29.87	53	WSW	1	δ		30.05	+ .17	46	45	+ 6	WSW	2	δ	58	44	0.23		
London ...	29.87	53	WSW	1	δ		30.05	+ .17	46	45	+ 6	WSW	2	δ	58	44	0.23		
Oxford ...	29.87	53	WSW	1	δ		30.05	+ .17	46	45	+ 6	WSW	2	δ	58	44	0.23		
Cambridge ...	29.84	50	S	1	0		30.02	+ .15	45	44	+ 4	SW	1	δ	58	42	0.07		
Yarmouth ...	29.81	53	SW	4	c		29.97	+ .05	45	44	+ 5	WSW	2	δ	55	38	—		
The Helder ...	29.81	53	SW	4	c		29.97	+ .05	45	44	+ 5	WSW	2	δ	55	38	—		
Cape Gris Nez ...	29.71	55	SW	5	0		30.07	+ .06	52	50	+ 2	W	4	δ	55	50	0.32		
Jersey ...	30.00	55	SW	5	r		30.18	+ .14	52	50	+ 0	WNW	4	cm	60	53	0.43		
Brest ...	30.05	59	W	4	m		30.22	+ .21	55	52	+ 0	W	3	0	59	52	0.04		
L'Orient ...	30.10	55	SW	3	c		30.26	+ .18	52	52	+ 2	WNW	3	δ	61	48	—		
Rochefort ...	30.15	59	WSW	3	0		30.23	+ .11	57	55	+ 2	WN	3	0	64	48	0.04		
Biarritz ...	30.20	59	WNW	3	0		30.31	+ .20	55	54	+ 9	SE	1	c	61	48	—		
Corunna ...	30.11	52	SW	3	0		30.19	+ .08	50	48	+ 5	WSW	2	δ	58	48	—		
Brussels ...	30.08	52	SW	3	0		30.19	+ .08	50	48	+ 5	WSW	2	δ	58	48	—		
Charleville ...	30.08	52	SW	3	0		30.19	+ .08	50	48	+ 5	WSW	2	δ	58	48	—		
Paris ...	30.11	52	SW	3	0		30.19	+ .08	50	48	+ 5	WSW	2	δ	58	48	—		
Lyons ...	30.11	52	SW	3	0		30.19	+ .08	50	48	+ 5	WSW	2	δ	58	48	—		
Toulon ...	30.11	52	SW	3	0		30.19	+ .08	50	48	+ 5	WSW	2	δ	58	48	—		

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

Bar.	Dry.	Wet.	Wind.	Wet.	Bar.	Bar.	Dry.	Wet.	Wind.	Wet.	Bar.
Skudesnaes ...	29.84	49	SE	4	0	4	Valencia ...	29.71	53	WSW	5
Thurso ...	29.23	51	SW	4	2	3	Seilly ...	29.71	53	WSW	5
Scarborough ...	29.67	55	SW	3	c	3	London ...	29.84	58	WSW	3
Greenock ...	29.40	53	SW	4	0	4	Rochefort ...	30.24	63	W	1
Holyhead ...	29.66	55	SW	5	δ	4					

Pressure is increasing in Ireland and the N. of England, still falling in the East. Wind is N.E. in the SW. SW. elsewhere.

EXPLANATION OF COLUMNS.

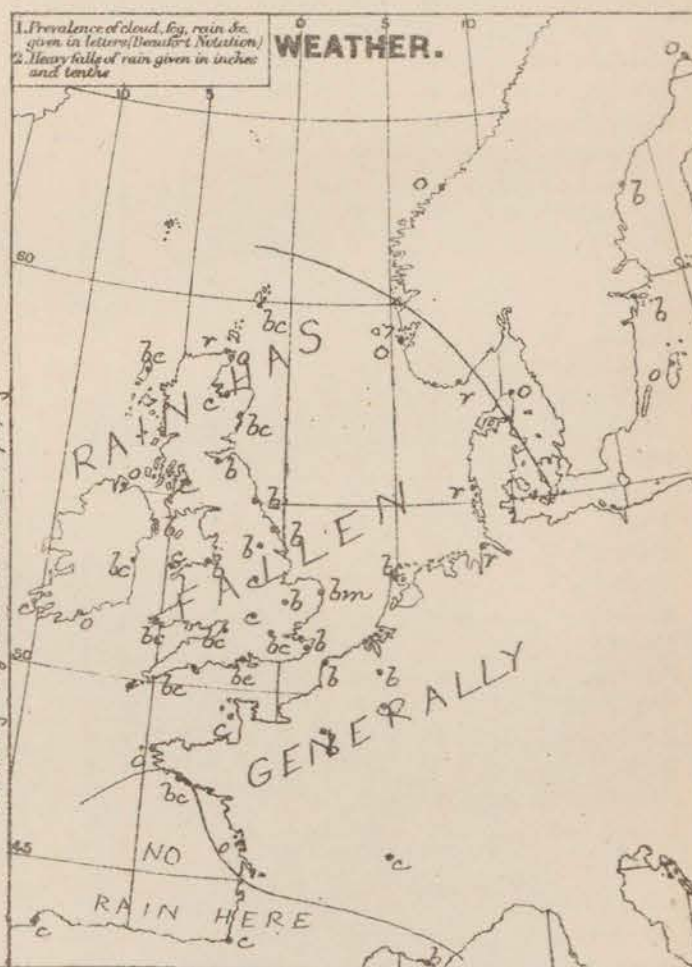
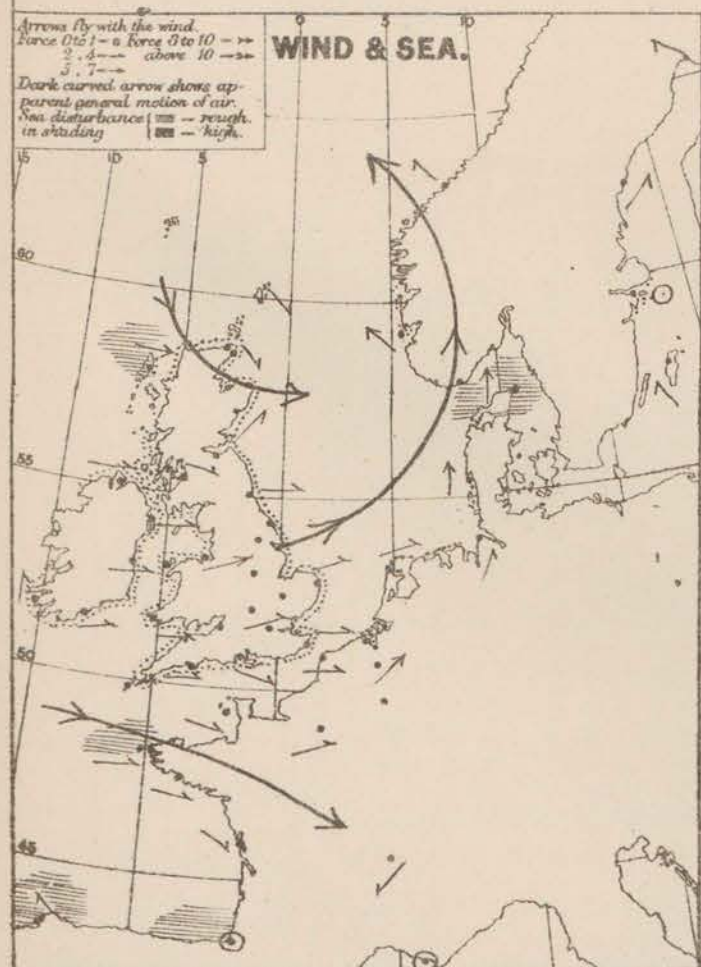
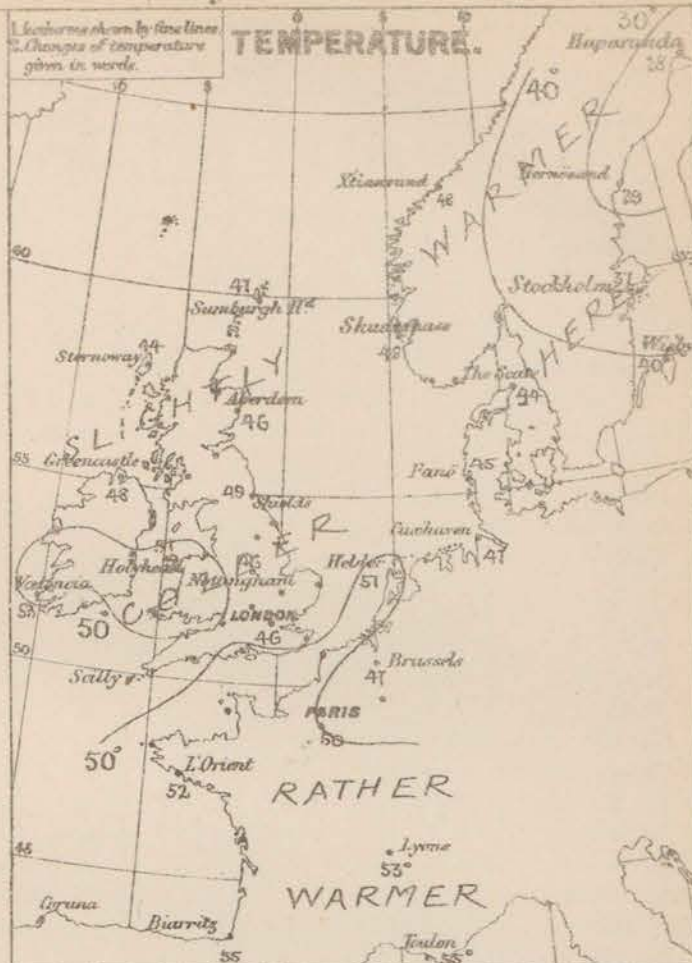
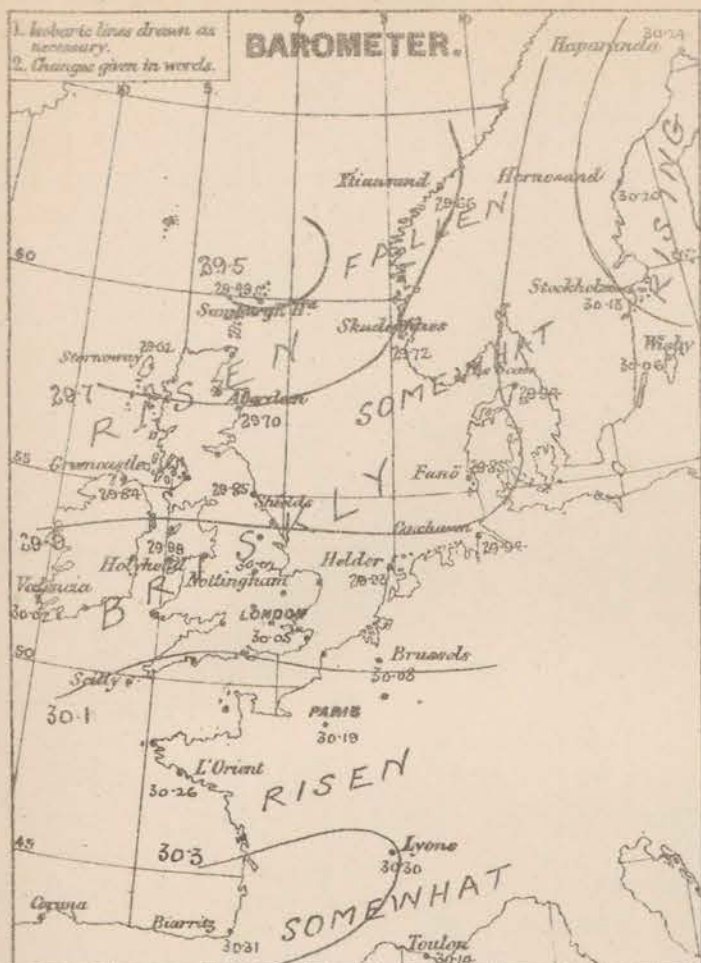
WEATHER.—Donfort haze is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 6 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 Oct^r 28th 1877.



Note: A dotted line is drawn round these coasts on which the warning signals are after firing.

REMARKS. *Weather* is very cloudy in Norway, Denmark and the north of Ireland, but is clear in most other places; rain is falling in Denmark and the south of Norway. Rain has fallen during the past 24 hours at all the Swedish stations and those in the west of France. A storm was seen at Nottingham last night and thunder and lightning occurred in many places. Temperature has fallen a few degrees in most parts of these islands, but has risen at all the Continental stations. The lowest readings reported are those in Sweden, where the thermometer stands at 28°, while the highest (about 57°) are found over the south west of France. The maximum readings during the night were about 40° over Central England, but several degrees higher at the coast stations. Wind is W over the whole of these islands; it inclines to WNW at the western stations, and to WSW in the east, while in Norway and Denmark it blows into S or SE. The waves are still running strongly in Norway but are light or moderate at our own stations. Sea is high at the Harve, rather rough in the Bay of Biscay, moderate to slight elsewhere.

Barometrical Indications. The depression which lay off the north west of Ireland yesterday morning has since travelled away NE, and the barometer has risen in all places. There is at present no sign of any fresh disturbance, though the backing of the wind to S at Valentia does not look favorable.

Warnings. The following Warning Message was sent to all coasts on Friday evening:— "Barometer falling fast in west and north. S. gale rising. Hoist Red Cone. Friday 6:30 pm."

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

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

DAILY WEATHER REPORT

OCT. 29th

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.	Rain. (0 to 2).	SHADE TEMP.				
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.		
Haparanda ...	30.33	23	SE	2	bc	30.26	+ 102	24	23	- 4	SE	2	0	*	32	19	-		
Hernösand ...	30.25	26	Z	0	bc	30.34	+ 104	23	23	- 6	Z	0	c	*	*	*	-		
Stockholm ...	30.14	33	Z	0	bc	30.18	+ 95	23	22	- 14	Z	0	f	*	*	*	-		
Wisby ...	30.11	36	E NE	4	bc	30.17	+ 11	42	39	+ 2	NE	4	0	*	*	*	-		
Christiansund ...	29.83	47	SSE	2	bc	29.91	+ 25	43	42	- 5	E	2	bc	3	?	41	-		
Skudesnaes ...	29.94	48	S	2	0	29.95	+ 23	47	44	- 1	SE	7	0	4	32	?	-		
Oxö (Ålansand) ...	29.97	46	S	4	0	30.07	+ 23	42	41	- 4	?	4	0	2	48	39	-		
Skagen (The Seaw) ...	30.01	46	S	3	+	30.09	+ 118	45	44	+ 1	SSE	3	0	2	46	41	0.04		
Fanö ...	30.01	45	Z	0	c	30.06	+ 21	45	45	0	Z	0	bc	*	?	43	0.25		
Cuxhaven ...	30.02	44	WSW	1	bc	30.13	+ 49	44	44	- 3	SW	1	f	*	50	41	0.06		
Sumburgh Head ...	29.80	47	WSW	1	+	29.55	+ 106	49	47	+ 2	SE	7	0	6	32	46	-		
Stornoway ...	29.79	42	SW	1	bc	29.44	- 138	50	?	+ 6	S	6	+	6	50	40	0.87		
Thurso ...	29.83	46	Z	0	0	29.41	- 19	47	47	+ 2	SSE	5	fg	4	33	44	0.22		
Wick ...	29.84	43	WSW	2	bc	29.41	- 21	48	48	+ 3	SSE	6	+	6	53	42	0.16		
Nairn ...	29.86	42	Z	0	c	29.37	- 31	47	45	+ 2	Z	0	+	0	51	40	0.08		
Aberdeen ...	29.59	44	Z	0	bc	29.49	- 21	49	48	+ 3	S	8	+	3	50	40	0.09		
Leith ...	29.59	49	SW	1	bc	29.38	- 38	50	49	+ 3	S	5	+	*	58	40	0.15		
Shields ...	29.99	52	WSW	2	0	29.59	- 26	49	49	0	S	4	+	3	57	43	0.08		
Scarborough ...	30.02	49	WSW	2	bc	29.68	- 21	49	48	+ 1	SSE	7	+	5	56	46	0.07		
York ...	30.04	41	W	1	bc	29.66	- 25	49	49	+ 1	S	4	+	*	58	41	0.14		
Nottingham ...	30.10	47	SW	1	bc	29.72	- 30	53	52	+ 7	S	6	+	*	59	40	0.25		
Ardrossan ...	29.92	53	SSW	3	a	29.34	- 46	54	52	+ 2	S	5	+	5	55	47	0.32		
Greencastle ...	29.85	51	S	2	0	29.32	- 52	52	52	+ 4	SW	1	f	*	54	46	0.31		
Donaghadee ...	29.93	52	SSW	3	bc	29.35	- 55	52	54	+ 8	SSW	4	0	2	54	46	0.58		
Kingstown ...	29.97	52	S	3	0	29.39	- 159	58	57	+ 8	S	3	0	2	58	49	0.19		
Holyhead ...	30.03	52	SSW	3	0	29.46	- 33	55	55	+ 4	SSW	6	+	4	56	50	1.10		
Liverpool (Bidston) ...	30.05	50	S	1	bc	29.54	- 40	53	52	+ 3	SE	5	+	3	54	47	0.06		
Valencia ...	29.72	55	SSE	7	+	29.44	- 58	54	53	+ 1	WSW	3	0	4	59	50	0.89		
Roche's Point ...	29.87	55	SSW	6	0	29.46	- 60	57	56	+ 9	WSW	3	0	4	58	48	1.40		
Pembroke ...	30.06	55	S	3	0	29.34	- 52	57	57	+ 3	SSW	8	+	5	57	54	0.71		
Portishead ...	30.11	51	SW	1	0	29.70	- 36	56	55	+ 6	SE	7	fg	4	59	47	0.51		
Scilly ...																			
Plymouth ...	30.12	54	SW	1	c	29.74	- 38	57	57	+ 13	SSW	6	0	*	58	43	0.37		
Hurst Castle ...	30.13	55	WSW	2	0	29.88	- 21	56	56	+ 4	SSW	5	+	5	57	?	0.30		
Dover ...	30.16	50	WSW	3	bc	29.98	- 109	54	57	+ 5	S	6	cm	5	56	47	-		
London ...	30.16	52	WSW	1	bc	29.91	- 144	54	52	+ 8	S	3	fg	*	59	45	-		
Oxford ...						29.80	- 25	53	52	+ 7	SSE	4	+	*	57	45	0.10		
Cambridge ...	30.13	46	WSW	1	bc	29.85	- 17	50	50	+ 5	S	2	+	*	59	39	0.04		
Yarmouth ...	30.09	50	W	2	bc	29.94	- 103	52	50	+ 7	SSW	4	fg	3	55	43	-		
The Helder ...						30.07	- 144	43	42	- 8	SSE	1	f	*	*	*	-		
Cape Gris Nez ...	30.16	51	WSW	4	c	29.99	- 108	54	48	+ 2	SSE	4	0	3	57	46	-		
Jersey ...	30.23	53	W	1	bc	30.00	- 118	55	54	+ 1	SSW	4	fm	5	59	52	0.02		
Brest ...	30.21	?	S	5	a	29.93	- 29	57	57	+ 2	SSW	5	+	5	59	54	0.04		
L'Orient ...																			
Rocheport ...	30.26	59	W	1	bc	30.15	- 108	54	52	- 3	S	4	0	3	63	50	-		
Biarritz ...	30.28	61	ENE	2	bc	30.17	- 144	55	50	0	SSE	1	bc	5	64	46	-		
Corunna ...																			
Brussels ...						30.16	+ 108	44	*	- 3	SSW	6	0	*	*	*	-		
Charleville ...						30.15	+ 107	43	*	- 6	WSW	3	?	*	*	*	-		
Paris ...	30.24	52	W	2	bc	30.16	- 103	43	*	- 7	S	3	c	*	*	*	-		
Lyons ...						30.28	- 102	50	*	+ 3	SW	2	f	*	*	*	-		
Toulon ...	30.10	57	WSW	5	bc	30.22	+ 105	52	46	- 3	NE	2	bc	3	64	?	-		

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.86	49	48	SSE	4	0	4	Valencia			
Thurso								Scilly			
Scarborough ...								London			
Greencastle ...						*		Rocheport ...	30.24	63	57
Holyhead											

EXPLANATION OF COLUMNS.

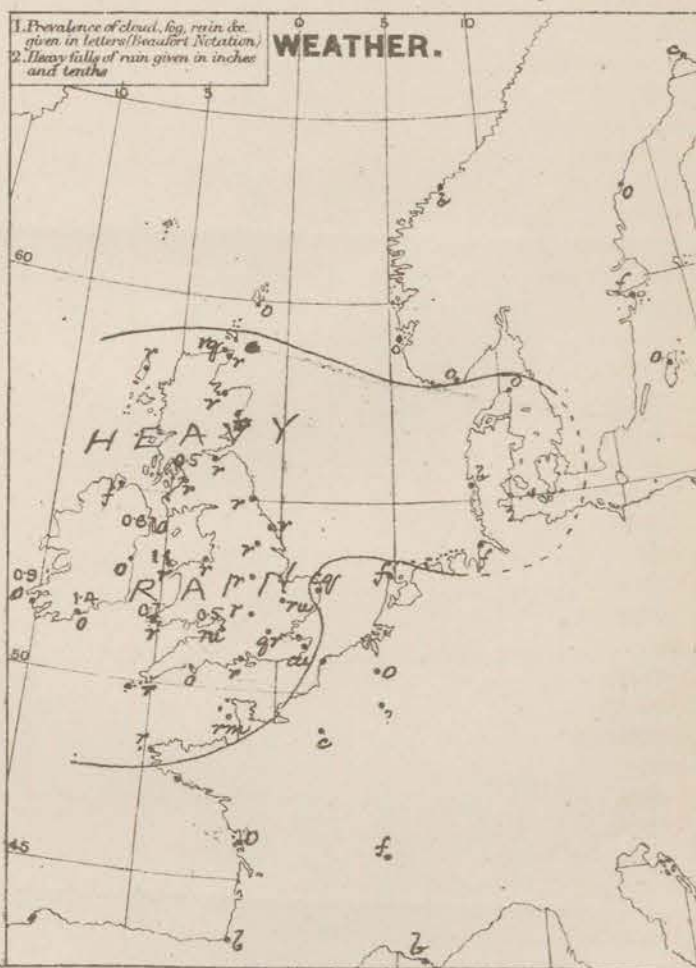
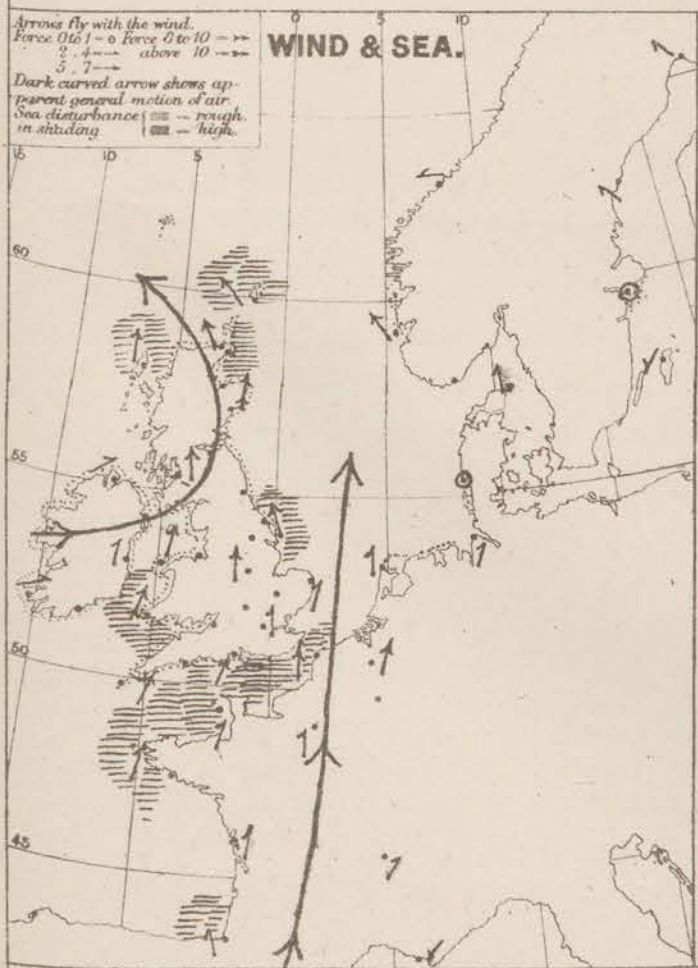
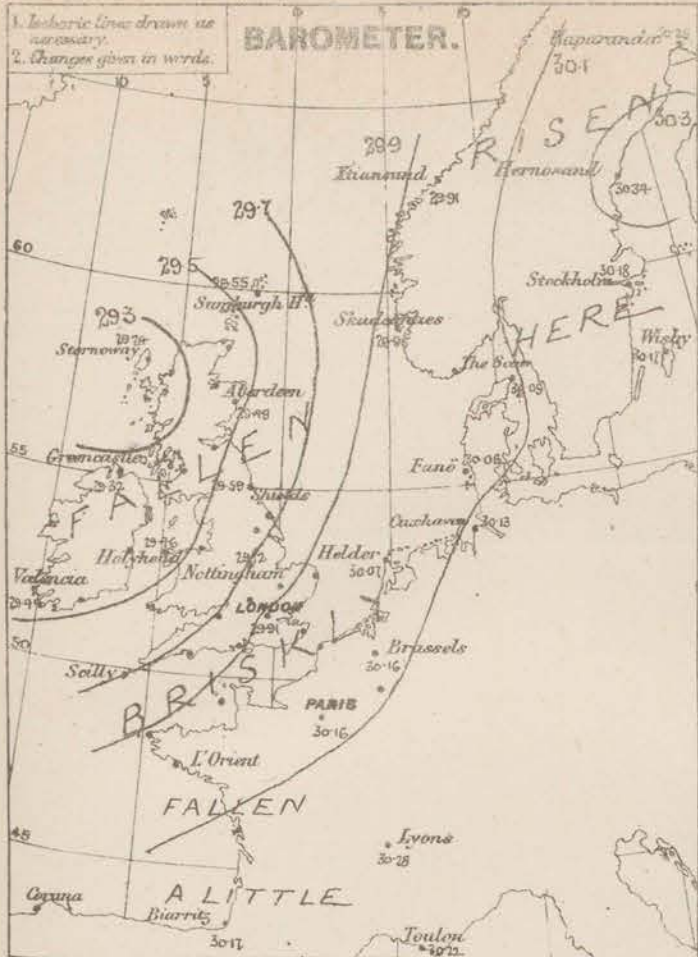
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Mon-day OCT^r 29th 1877.



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

REMARKS. Weather is dull, wet and very unsettled over the United Kingdom, and W. of France, but is finer to the Erd of the North Sea, though foggy in Holland. Rain has fallen very generally during the past night - 1.4 in. at Roches Pt 1.1 in. at Holyhead, 0.9 in. at Valencia, 0.7 in. at Pembroke, 0.6 in. at Bangorhead, and 0.5 in. at Ardara and Pettshead. Temperature has risen several degrees over the United Kingdom, and varies from 48° in Scotland, to 54° in the SE of England, and 57° in our SW coasts. In the Gulf of Bothnia it is down to 23°. Wind is S^W in all parts of St. Pauline, and SE^W in the W. of Norway, but has shifted from SE to WSW in the S. of Ireland. In fact it varies from a fresh breeze to a fresh gale over St. Pauline, but in Ireland it has lulled to a light breeze. At Scarborough and Whitby a moderate gale is felt. Sea is rough except off our East coast.

Barometrical Indications.
The depression of Friday night had passed completely away by Sunday morning, but during the past night a new and deeper one travelled over Ireland, in a NE^E direction, and now lies off the W. of Scotland. The barometris is apparently now rising in the S. of Ireland.

The following warning was sent to all but our St. coms yesterday (Sunday) evening. "Barometer falling very fast
Valencia with increasing St. gale. Keep up South Cove. Sunday. 6.40 pm.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT OCT^r 30th 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 550 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 350 F. and Sea Level.	Difference from 5 a.m. yesterday.	Dry.	Wet.	Difference from 5 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.35	31	SE	2	o	30.16	-.18	33	32	+.10	SE	2	f	*	?	23	-	
Hernösand ...	30.21	31	Z	0	f	30.07	-.19	33	32	+.10	S	2	f	*	*	*	-	
Stockholm ...	30.14	36	Z	0	f	30.02	-.16	42	41	+.09	S	4	f	*	*	*	0.04	
Wibby ...	30.14	35	Z	0	o	30.07	-.10	45	43	+.03	S	6	o	*	*	*	-	
Christiansund ...	29.64	46	E	2	c	29.36	-.35	50	49	+.01	S	3	o	3	?	43	-	
Skudesnaes ...	29.57	50	SSE	8	r	29.52	-.05	48	45	+.03	SE	6	c	4	50	46	0.55	
Oxö (Xtiansand) ...	29.52	48	?	8	o	29.58	-.06	?	46	?	SSE	8	r	6	48	?	-	
Skagen (The Seal) ...	29.92	46	SSH	7	o	29.71	-.21	47	45	+.02	SSH	6	r	6	48	43	0.04	
Fanö ...	29.79	44	S	6	o	29.58	-.21	46	46	0	S	6	o	*	50	45	0.35	
Cuxhaven ...	29.99	51	S	4	o	29.64	-.35	49	49	0	SSH	2	f	*	?	?	0.43	
Sumburgh Head ...	29.13	49	H	2	r	29.27	-.14	49	48	0	SSH	3	bc	5	51	46	0.59	
Stornoway ...	29.16	46	SH	2	bc	29.34	-.18	49	48	+.01	H	5	bc	3	52	45	0.09	
Thurso ...	29.19	47	SSH	1	bc	29.30	-.11	46	45	+.01	SSE	1	c	2	?	41	0.17	
Wick ...	29.21	46	H	2	bc	29.33	-.12	49	48	+.01	S	2	o	4	52	44	0.19	
Nairn ...	29.20	48	Z	0	c	29.36	-.16	50	47	+.03	Z	0	c	1	51	46	0.11	
Aberdeen ...	29.23	48	SSH	1	o	29.43	-.20	48	47	+.01	SSH	1	c	2	51	41	0.40	
Leith ...	29.32	44	H	2	c	29.49	-.17	51	49	+.02	SH	2	c	*	57	48	0.54	
Shields ...	29.37	46	S	4	o	29.62	-.25	49	47	0	SH	2	bc	2	57	47	0.02	
Scarborough ...	29.39	57	SSH	2	o	29.69	-.30	49	48	0	SSH	2	bc	2	57	48	0.21	
York ...	29.40	57	S	1	o	29.69	-.29	48	47	+.01	SH	1	bc	4	58	46	0.21	
Nottingham ...	29.50	58	SSH	3	r	29.78	-.28	45	45	0	S	1	bc	*	58	43	0.30	
Ardrossan ...	29.56	57	SH	2	bc	29.48	-.08	53	51	+.02	SH	3	bc	4	56	53	0.10	
Greencastle ...	29.53	51	SSH	2	o	29.41	-.12	50	49	+.01	S	2	o	*	57	47	0.04	
Donaghadee ...	29.45	49	SSH	3	o	29.52	-.07	48	45	+.03	S	2	c	1	55	46	0.01	
Kingstown ...	29.48	55	SSH	3	o	29.57	-.09	53	51	+.02	SSE	4	cd	3	59	51	0.01	
Holyhead ...	29.48	54	H	2	bc	29.64	-.16	55	54	0	SSH	4	r	3	58	51	0.05	
Liverpool (Bidston) ...	29.56	55	SSH	5	r	29.67	-.11	49	48	+.01	SSE	2	bc	1	58	48	0.16	
Valencia ...	29.55	54	WNW	4	bc	29.44	-.11	58	57	+.01	SSH	8	ow	7	60	52	0.21	
Roche's Point... ..	29.58	55	H	3	c	29.56	-.02	55	55	0	SSH	6	rff	5	57	50	0.11	
Pembroke ...	29.57	55	H	4	c	29.73	-.16	55	54	+.01	SSH	3	o	3	57	52	0.12	
Portishead ...	29.59	53	SH	4	o	29.50	-.09	52	50	+.02	SH	3	c	3	60	49	0.54	
Seilly ...	29.56	57	H	1	o	29.87	-.31	54	54	0	SH	2	o	*	59	50	0.28	
Plymouth ...	29.58	58	SH	4	r	29.86	-.28	56	56	0	SH	2	o	2	63	51	0.42	
Hurst Castle ...	29.63	52	SSH	6	o	29.86	-.23	57	57	0	H	3	o	2	57	49	0.70	
Dover ...	29.56	59	SSH	3	cd	29.85	-.29	48	48	0	SH	1	c	*	59	46	0.18	
London ...	29.56	59	SSH	3	cd	29.85	-.29	48	48	0	SH	1	c	*	59	46	0.18	
Oxford ...	29.56	59	SSH	3	cd	29.85	-.29	48	48	0	S	1	off	*	59	46	0.26	
Cambridge ...	29.57	57	S	3	r	29.81	-.04	46	45	+.01	SH	1	o	*	59	44	0.25	
Yarmouth ...	29.56	53	SSH	6	r	29.79	-.07	48	47	+.01	H	2	bc	2	57	46	0.43	
The Helder... ..	29.56	53	SSH	6	r	29.79	-.07	48	47	+.01	H	2	bc	2	57	46	0.43	
Cape Gris Nez ...	29.69	64	S	8	r	29.88	-.19	52	52	0	H	4	bc	3	55	50	0.59	
Jersey ...	29.76	58	SSH	6	r	29.88	-.12	55	54	+.01	SSH	3	ow	4	60	53	0.53	
Brest ...	29.80	59	SH	5	r	30.02	+.12	55	54	+.01	SH	3	m	7	59	52	0.91	
L'Orient ...	29.87	57	SSH	5	r	30.06	+.19	55	55	0	WNW	3	m	5	61	52	1.22	
Rochefort ...	30.03	61	SSH	5	r	30.07	+.04	61	59	+.02	H	5	r	5	63	46	1.06	
Biarritz ...	30.16	63	Z	0	o	30.19	+.03	61	57	+.04	SSH	3	r	3	70	52	2.04	
Corunna ...	29.80	58	SSH	3	cd	29.80	0	52	52	0	SH	6	bc	*	*	*	0.28	
Brussels ...	29.80	58	SSH	3	cd	29.80	0	52	52	0	SH	6	bc	*	*	*	0.28	
Charleville ...	29.80	58	SSH	3	cd	29.80	0	52	52	0	SH	6	bc	*	*	*	0.28	
Paris ...	29.92	53	S	4	r	29.97	+.05	56	55	+.01	WNW	8	o	*	*	*	0.57	
Lyons ...	29.92	53	S	4	r	29.97	+.05	56	55	+.01	S	2	r	*	*	*	0.57	
Toulon ...	30.21	52	Z	0	o	30.08	-.13	52	52	0	WNW	4	o	3	61	52	-	

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

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.	
Skudesnaes ...	29.71	49	45	SE	8	o	Valencia	29.49	57	55	SW	5	om	5
Thurso	29.20	49	48	SSH	3	r	Scilly							
Scarborough ...	29.43	54	53	S	6	m	London	29.65	57	55	SSH	4	or	*
Greencastle ...	29.51	54	51	N	3	c	Rochefort ...	?	57	55	SSH	4	o	3
Holyhead	29.42	57	56	SSH	3	d								

Weather is dull and wet at all stations except Pembroke and at Valencia a misty and heavy appearance is coming up again. Barometer after rising from 8 a.m. to noon has been steady since that hour.

EXPLANATION OF COLUMNS.

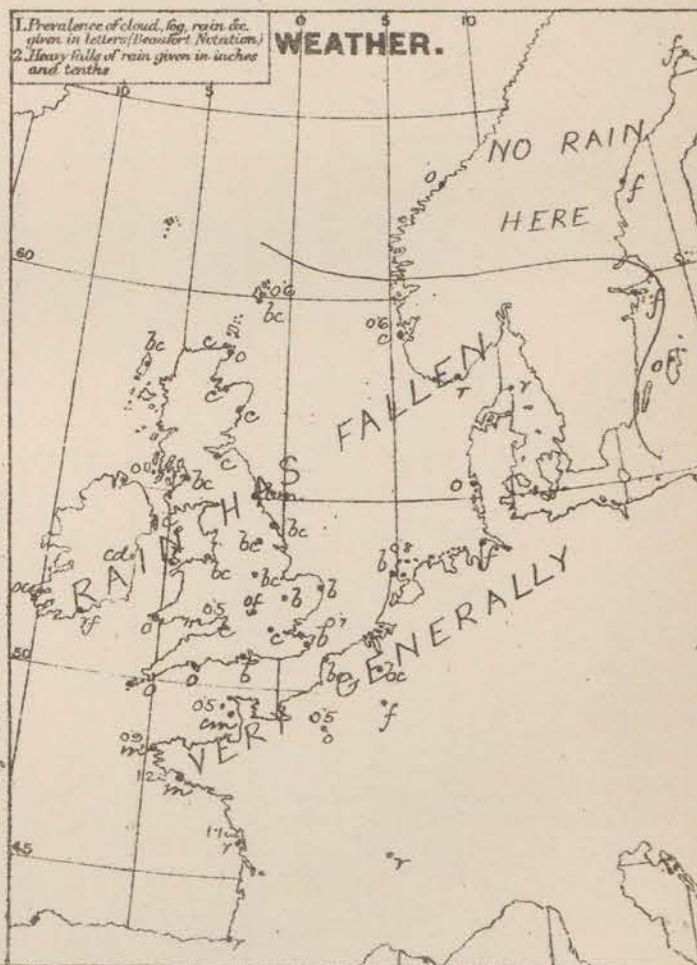
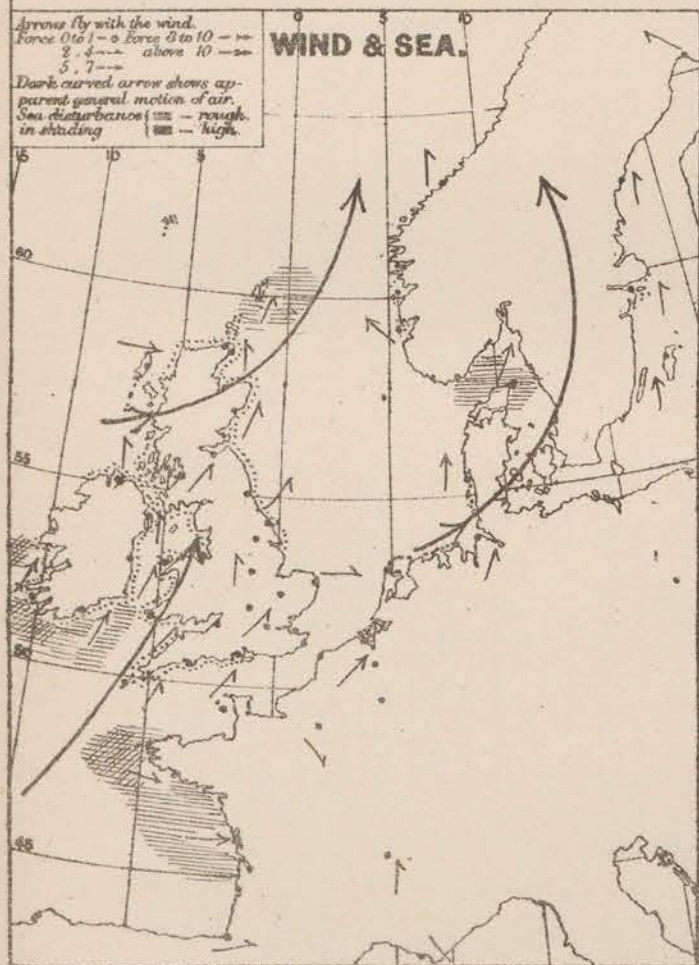
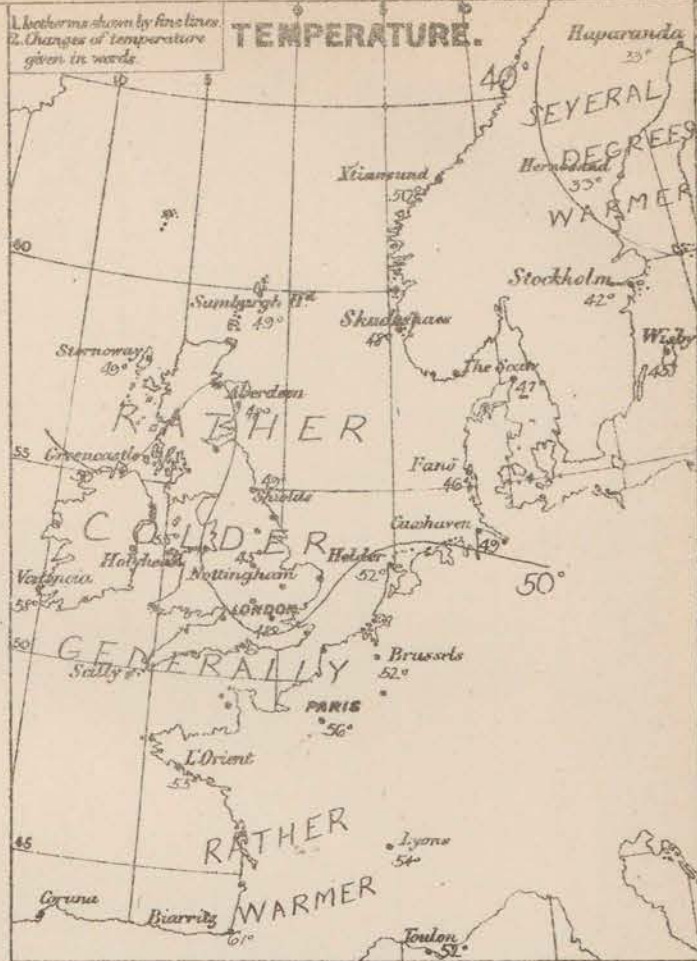
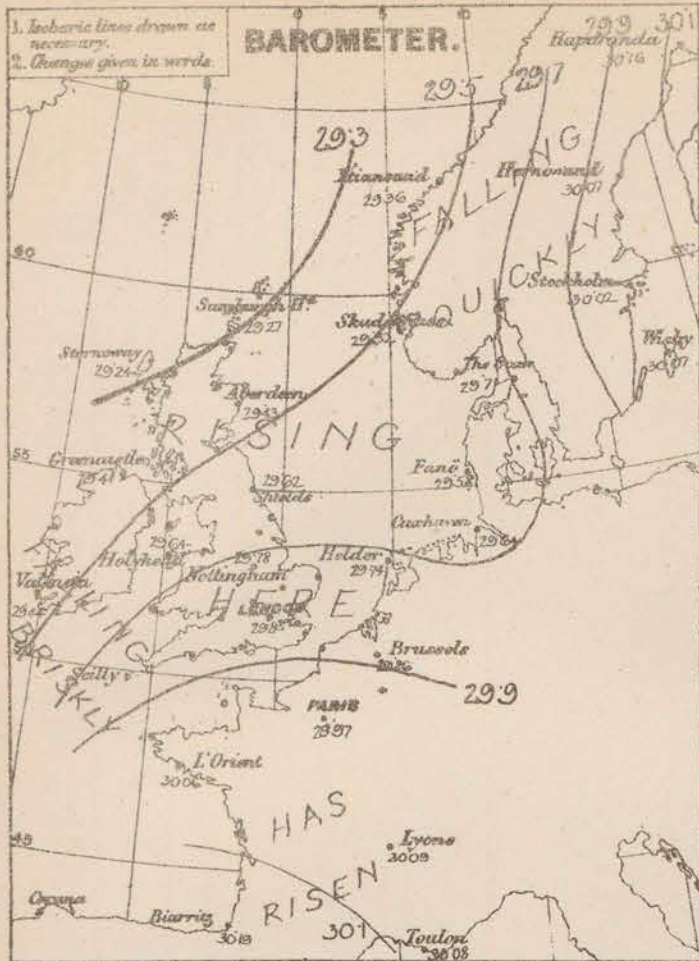
WEATHER—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 30TH OCT^R 1877.



REMARKS. Weather is very changeable over the British Islands, intervals of heavy rain alternating with those of clearness very frequently. At present the day is nearly clear at our north eastern, eastern and northern stations, overcast elsewhere, with rain and a threatening appearance in the west. Very heavy rain has fallen in France, and a smaller quantity all over our Islands. The amounts measured this morning are 1.2 in. at L'Orient, 1.1 in. at Rochepot, 0.9 in. at Brest, 0.8 in. at the Helles and 0.7 in. at Dover. Temperatures is about 49° in Scotland and the east of England this morning, 53° on our south-west coast generally, but 58° at Valentia and 61° in the south-west of France. Its tendency is to increase. In the Gulf of Bothnia it has risen 10° (to 32°) since yesterday. Winds is fresh from W. in the Hebrides, but has backed somewhat that quarter to W. or S. in England and Ireland, and has again begun to blow a gale at Valentia. In France the wind is fresh from W. in Denmark and Rügen it is S. and in the south of Norway, strong from E. Sea runs high off the south-west of Ireland, and is rough in the Bay of Biscay but smooth on our east coast.

Barometrical Indications. The depression which passed over our extreme western stations during Sunday night travelled away to the N. yesterday, and the barometer rose generally. A new depression is now advancing towards Ireland from the W., and the morning is falling very briskly in the west.

Warnings. The Signal (bush-bark) is still up on all our south-western, western, northern and north-eastern coasts.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT *OCT^r 31st* 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 15).		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 15).			Max.	Min.		
Haparanda ...	29.02	36	SE	4	0	29.24	+ .32	36	35	+ 3	SE	4	0	*	37	?	—	
Hernösand ...	29.91	4	S	6	0	29.65	— .42	41	41	+ 8	SE	6	f	*	*	*	0.04	
Stockholm ...	29.93	45	SSE	4	0	29.60	— .42	45	44	+ 3	S	4	f	*	*	*	—	
Wisby ...	29.97	46	S	8	0	29.61	— .46	46	44	+ 1	SSE	6	0	*	*	*	—	
Christiansund ...	29.40	49	SE	4	0	29.25	— .11	48	46	— 2	SE	2	0	3	52	43	0.35	
Skudesnaes ...	29.43	49	SE	6	7	29.34	— .18	46	43	— 2	NNH	2	7	4	50	?	0.28	
Oxö (Xtiansand) ...	29.50	47	ENE	2	f	29.21	— .37	48	46	?	?	4	7	3	48	45	—	
Skagen (The Seaw) ...																		
Fanö ...	29.56	49	S	5	7	29.31	— .27	51	51	+ 5	N	6	0	*	52	46	0.43	
Cuxhaven ...	29.47	2	NSH	3	7	29.47	— .14	44	44	+ 5	N	7	7	*	46	46	0.15	
Sumburgh Head ...	29.29	19	S	3	7	29.40	+ .13	47	44	— 2	NNH	4	bc	4	51	43	0.20	
Stornoway ...	29.16	1	NNH	1	7	29.54	+ .30	41	40	— 8	N	4	bc	4	51	40	0.24	
Thurso ...	29.16	48	Z	0	0	29.53	+ .23	41	?	— 5	SW	2	c	3	51	41	0.09	
Wick ...	29.14	49	S	2	7	29.54	+ .21	43	41	— 6	SSW	3	c	3	52	40	0.09	
Nairn ...	29.14	47	Z	0	7	29.60	+ .26	44	42	— 6	Z	0	0	0	53	43	0.26	
Aberdeen ...	29.13	48	S	2	7	29.63	+ .20	44	41	— 4	NSH	2	0	2	51	42	0.23	
Leith ...	29.12	57	SW	3	7	29.75	+ .26	48	46	— 3	NSH	5	bc	*	59	46	0.08	
Shields ...	29.25	56	SW	4	0	29.86	+ .24	50	47	+ 1	NNH	4	0	2	59	46	—	
Scarborough ...	29.35	58	S	4	0	29.90	+ .21	49	45	0	NSH	2	0	2	58	48	—	
York ...	29.38	56	S	4	c	29.91	+ .22	49	45	+ 1	NH	4	0	2	59	45	—	
Nottingham ...	29.46	58	S	4	0	30.03	+ .25	50	46	+ 5	NNH	4	0	*	60	45	0.03	
Ardrossan ...	29.16	55	SW	4	7	29.82	+ .24	53	48	0	N	4	op	4	57	50	0.07	
Greencastle ...	29.17	53	N	5	0	29.87	+ .46	46	44	— 4	N	3	bc	*	56	45	0.48	
Donaghadee ...	29.24	54	N	5	2	29.94	+ .42	46	45	— 2	N	3	bc	2	56	44	0.04	
Kingstown ...	29.35	59	N	4	c	30.04	+ .47	50	45	— 3	N	4	bc	4	63	49	0.04	
Holyhead ...	29.37	57	SSW	7	m	30.02	+ .38	51	47	— 4	N	3	c	4	58	50	0.15	
Liverpool (Bidston) ...	29.39	59	NSH	7	0	30.01	+ .34	50	47	+ 1	N	8	bc	4	62	49	0.06	
Valencia ...	29.70	53	NNH	6	c	30.20	+ .76	51	47	— 7	N	4	c	5	60	49	0.05	
Roche's Point... ..	29.56	55	NN	7	0	30.20	+ .64	50	47	— 5	N	3	bc	4	59	48	0.15	
Pembroke ...	29.54	56	NSH	8	c	30.17	+ .44	53	48	— 2	NNH	5	c	3	58	52	0.03	
Portishead ...	29.63	58	S	6	c	30.13	+ .33	50	47	— 2	N	4	c	2	61	?	0.02	
Seilly ...																		
Plymouth ...	29.77	57	SW	4	0	30.22	+ .35	52	50	— 2	NSH	1	m	*	60	51	0.02	
Hurst Castle ...	29.68	59	SW	5	0	30.11	+ .25	52	50	— 4	NNH	2	0	2	60	50	0.06	
Dover ...	29.72	57	NSH	6	0	30.09	+ .23	51	48	0	NSH	3	0	3	59	50	0.08	
London ...	29.67	60	SSW	5	ogt	30.10	+ .25	49	46	+ 1	N	2	0	*	61	48	0.02	
Oxford ...	*	*	*	*	*	30.10	+ .27	47	44	+ 2	NSH	1	0	*	60	46	0.02	
Cambridge ...	29.55	61	SSW	4	0	30.06	+ .25	47	44	+ 1	NSH	2	0	*	?	45	—	
Yarmouth ...	29.58	56	SSW	5	c	29.96	+ .17	48	46	0	NNH	4	dm	3	58	46	—	
The Helder ...	*	*	*	*	*	29.76	+ .02	54	50	+ 2	N	5	0	*	*	*	—	
Cape Gris Nez ...	29.77	57	S	7	0	30.10	+ .22	54	50	— 0	NNH	5	bc	5	59	50	0.04	
Jersey ...	29.92	60	SW	6	0	30.26	?	54	49	— 1	NNH	6	bcy	5	62	53	—	
Brest ...	30.20	57	N	4	c	30.25	+ .36	56	52	— 1	NH	3	0	5	59	52	0.04	
L'Orient ...	30.07	59	N	4	m	30.36	+ .30	54	54	— 1	NH	4	bc	4	77	52	—	
Rochefort ...	30.4	61	N	5	m	30.34	+ .27	57	55	— 4	NH	4	0	3	63	50	0.04	
Biarritz ...	30.28	63	SSW	3	f	30.38	+ .19	59	57	— 2	NNE	3	f	5	64	57	0.12	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.06	+ .20	54	*	+ 2	NNH	9	0	*	*	*	0.32	
Charleville ...	*	*	*	*	*	?	?	54	*	+ 2	N	3	d	*	*	*	*	
Paris ...	29.99	59	SW	4	0	30.24	+ .27	56	51	0	NNH	3	0	*	*	*	?	
Lyons ...	*	*	*	*	*	30.29	+ .20	59	*	+ 5	SW	2	f	*	*	*	*	
Toulon ...	29.99	63	NH	6	0	30.15	+ .07	55	55	+ 3	Z	0	c	4	63	52	—	

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

	Bar.	Dry.	Wgt.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.51	50	48	SE	6	0	5	Valencia	29.39	58	55	SW	9	ogm	7
Thurso	29.21	49	48	SSE	2	0	2	Seilly							
Scarborough ...	29.49	54	52	S	4	0	3	London	29.77	60	56	SSW	3	c	*
Greencastle ...	29.14	55	55	SW	2	0	*	Rocheport ...	30.13	61	61	NNW	5	o	5
Holyhead	29.41	57	57	SSW	7	fdw	5								

The decrease in pressure appears to have slackened somewhat at Valencia but it still holds elsewhere. A hard SW^{ly} gale is blowing in the S. of Ireland, and a moderate to fresh gale in the Irish Sea.

EXPLANATION OF COLUMNS.

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

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

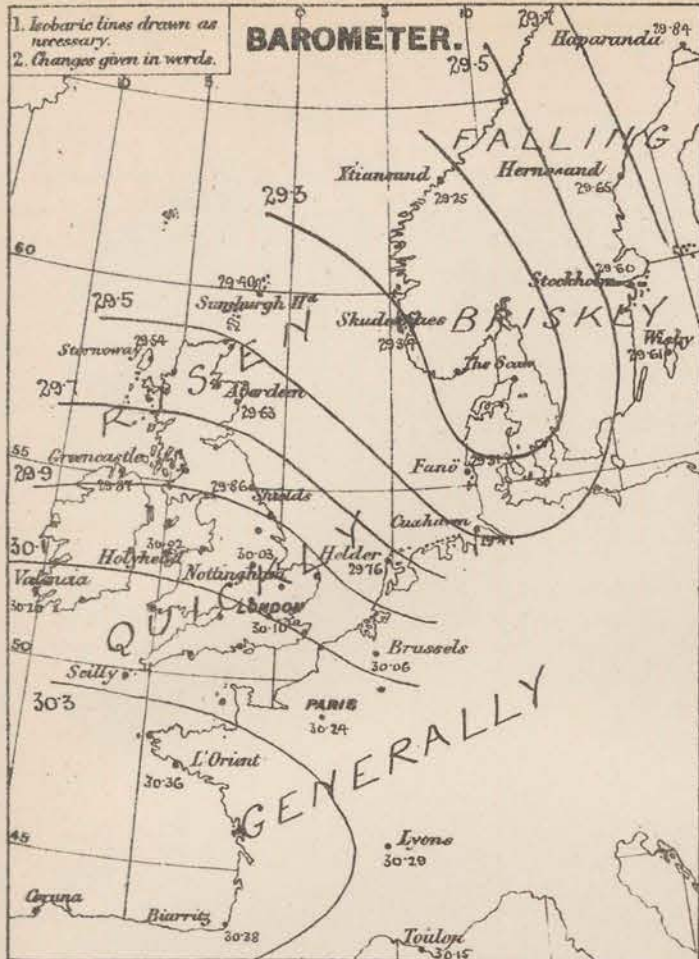
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Wednesday Oct^r 31st 1877.

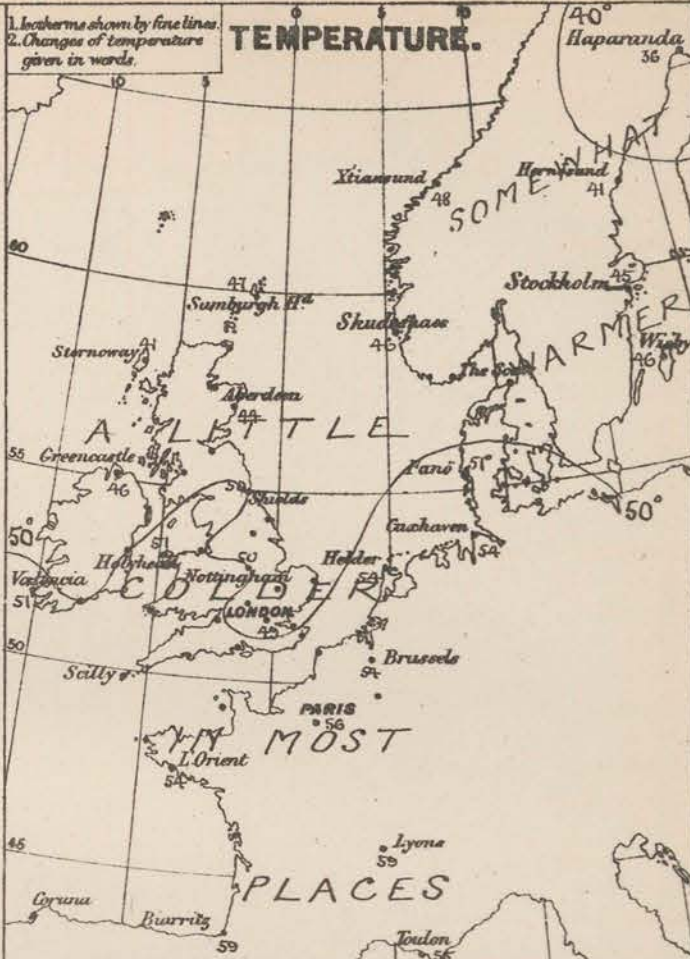
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



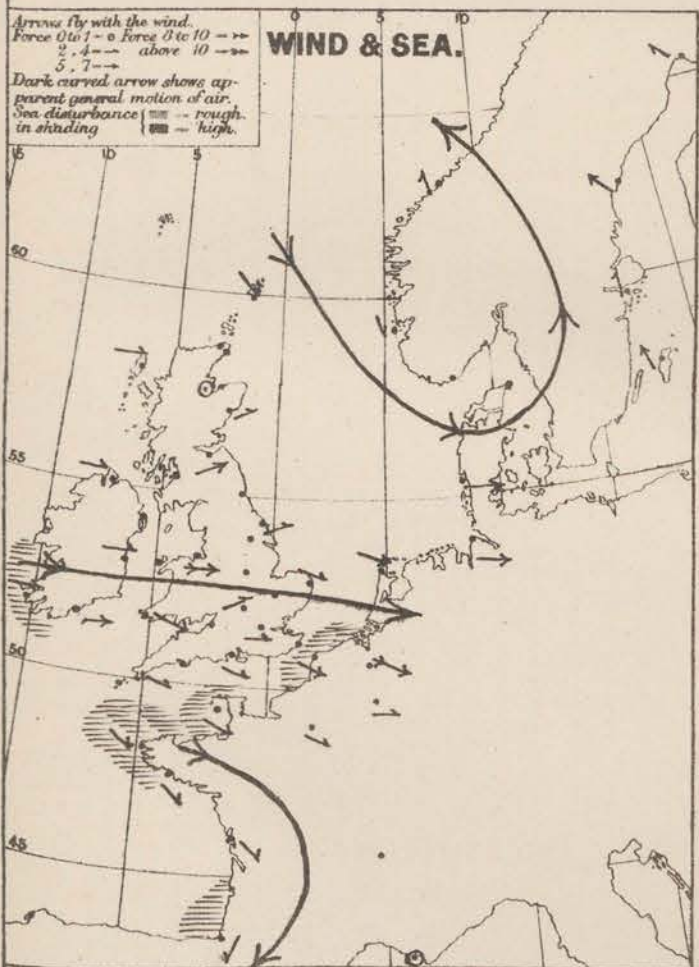
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



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

WIND & SEA.



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

WEATHER.



REMARKS. Weather much finer over our Islands today than of late, though still rather cloudy in some localities. Dull rainy weather prevails to the Eth of the North Sea. Rain fell yesterday except on our NE. coasts, but the amounts were small. Temperature fallen a few degrees in our Islands, rivers in Sweden and Denmark. Had about 44° in Scotland, 51° to 53° on our Sth coast, 54° to 59° in France. Winds, W. on all our coasts, - moderate in the N. and E., strong to 20 gales in the W. It blew a strong gale from W. on our Wth coasts last night. Sea still rather rough in the S.W. moderate elsewhere.

Barometrical indications.
The depression which crossed our Islands during yesterday has reached the Eth shores of the North Sea, and a rapid rise of the barometer is in progress over our Islands. Gradients for Wth winds are still rather steep over the United Kingdom, but are comparatively regular.

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

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

R. H. SCOTT.
Secretary.

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR OCTOBER 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.	
				Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
1 st	Scilly	30.09	59	E	5	0	30.16	+0.8	58	57	-1	EZE	4	m	4	61	57	0.14	
	Corunna	*	*	*	*	*	30.20	?	60	*	?	E	0	4	1	*	*	*	
2 nd	Scilly 7 p.m.	-	-	-	-	-	30.18	-	60	57	-	E	4	be	4	-	-	-	
	Swanborough Hd.	30.08	50	SW	3	0	30.01	-1.7	51	50	+3	SW	1	m	1	54	45	-	
	Scilly	30.18	57	E	4	0	30.07	-0.9	58	56	0	ESE	5	0	4	61	54	-	
	Brannigan	30.01	62	WSE	2	6	30.03	-0.2	63	61	0	WSE	3	0	3	66	57	-	
	Corunna	*	*	*	*	*	30.10	-1.0	56	*	-4	NE	1	1	1	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	29.94	-	59	56	-	SSE	4	0	5	-	-	-	
3 rd	Scilly	29.92	58	SSE	4	0	29.87	-2.0	58	57	0	ESE	5	be	4	60	57	-	
	Corunna	*	*	*	*	*	29.91	-1.9	61	*	+5	SW	3	md	1	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	29.92	-	60	57	-	ESE	6	6	5	-	-	-	
4 th	Scilly	29.95	57	ESE	5	0	30.11	+2.4	58	55	0	ESE	5	6	4	60	56	-	
	Lorient	29.99	54	SSE	2	0	30.13	+2.1	50	48	-2	E	2	6	2	64	46	-	
	Corunna	*	*	*	*	*	30.09	+1.2	52	*	-9	SE	3	6	5	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.17	-	60	57	-	SSE	4	6	4	-	-	-	
5 th	Scilly	30.21	57	SE	4	6	30.32	+2.1	58	55	0	ESE	5	6	4	62	56	-	
	Corunna	*	*	*	*	*	30.14	+0.5	57	*	+5	E	3	6	1	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.34	-	60	57	-	E	6	6	5	-	-	-	
6 th	Scilly	30.39	57	E	5	0	30.57	+2.5	57	55	-1	E	4	0	4	60	55	-	
	Scilly 2 p.m.	-	-	-	-	-	30.61	-	58	54	-	E	5	0	4	-	-	-	
7 th	Scilly	30.61	57	E	4	0	30.60	+0.3	58	55	+1	E	3	0	3	59	54	-	
	Corunna	*	*	*	*	*	30.36	?	57	*	?	NE	6	0	4	*	*	*	
8 th	Scilly	30.55	56	N	5	0	30.40	-2.0	55	54	+3	N	6	0	6	58	54	-	
	Corunna	*	*	*	*	*	30.38	+0.2	55	*	-2	?	6	0	4	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.34	-	57	55	-	NNE	7	0	5	-	-	-	
9 th	Scilly	30.33	57	NNE	6	0	30.40	0.0	54	51	-1	NE	4	0	4	58	51	-	
	Scilly 2 p.m.	-	-	-	-	-	30.40	-	55	52	-	NNE	1	0	3	-	-	-	
10 th	Greenwich	30.21	52	NW	2	0	30.14	+0.1	49	49	+2	SW	2	0	2	58	53	0.02	
	Scilly	30.36	54	NNE	1	0	30.22	-1.8	55	52	+1	N	2	0	2	58	53	-	
	Corunna	*	*	*	*	*	30.17	?	55	*	0	NE	9	0	4	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	20.11	-	55	54	-	SW	6	0	4	57	54	0.05	
11 th	Scilly	30.55	57	WSE	6	0	30.12	-1.0	55	49	0	NW	6	0	5	57	54	0.05	
	Corunna	*	*	*	*	*	30.25	+0.8	55	50	0	NE	6	m	4	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.14	-	56	50	-	WSE	6	e	5	-	-	-	
12 th	Scilly	30.13	55	WSE	6	0	30.09	-0.3	55	52	0	WSE	5	0	5	57	52	0.03	
	Corunna	*	*	*	*	*	30.26	+0.1	50	*	-5	NE	3	0	1	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.11	-	57	54	-	WSE	4	0	5	-	-	-	
13 th	Scilly	30.06	56	WSE	5	0	29.95	-1.4	58	55	+3	SW	6	0	5	58	54	0.05	
	Corunna	*	*	*	*	*	30.01	-2.5	55	*	+6	NE	7	0	5	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	29.89	-	59	56	-	SSE	6	0	5	58	54	-	
14 th	Scilly	29.78	58	SSE	5	0	29.65	-3.0	60	59	+2	S	7	0	6	60	57	-	
15 th	Greenwich	29.01	59	S	6	0	29.25	+0.1	43	39	-2	W	4	0	4	60	41	0.80	
	Holyhead	29.28	60	SW	6	0	29.42	-1.0	48	44	-10	W	8	0	4	63	46	0.32	
	Valencia	28.98	52	NW	4	0	29.73	+5.0	46	41	-13	NW	6	0	6	61	45	1.32	
	Rocked Point	29.16	58	SSE	8	0	29.71	+3.1	45	42	-13	WSE	4	0	5	60	44	0.45	
	Pembroke	29.31	60	S	8	0	29.61	0.0	51	47	-4	W	8	0	4	62	50	0.06	
	Portishead	29.52	62	SSE	6	0	29.64	+0.9	54	50	-4	WSE	6	0	4	68	45	0.08	
	Scilly	29.30	62	S	10	0	29.84	+1.9	55	47	-8	WSE	6	0	4	65	50	0.08	
	Blymouth	29.49	64	SW	6	0	29.80	+0.5	48	44	-4	W	5	0	4	65	48	0.06	
	Jersey	29.69	63	S	6	0	29.81	-0.9	55	50	-5	SW	9	0	4	68	48	0.01	
	Corunna	*	*	*	*	*	30.35	?	56	*	?	SW	9	0	4	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.00	-	51	47	-	WSE	9	0	4	-	-	-	
16 th	Portishead	29.71	48	W	7	0	30.07	+4.3	46	43	-8	WSE	4	0	4	57	44	0.27	
	Scilly	30.11	53	WSE	8	0	30.23	+3.9	52	47	-3	WSE	6	0	6	55	47	0.13	
	Corunna	*	*	*	*	*	30.53	+1.8	48	*	-8	SE	3	0	9	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.33	-	53	48	-	WSE	6	0	6	53	46	0.01	
17 th	Scilly	30.39	51	N	5	0	30.45	+2.2	50	47	-2	W	3	0	3	53	46	0.01	
	Corunna	*	*	*	*	*	30.35	-1.8	49	46	-3	W	3	0	3	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.44	-	52	47	-	W	3	0	3	*	*	*	
18 th	Scilly	30.39	52	SSE	2	0	30.30	-1.5	53	48	+3	SE	4	0	3	53	46	-	
	Corunna	*	*	*	*	*	30.29	-1.5	57	*	+8	?	3	0	1	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.28	-	55	51	-	SE	4	0	4	-	-	-	
19 th	Scilly	30.27	52	SSE	4	0	30.24	-0.6	54	52	+1	S	5	0	4	55	51	-	
	Corunna	*	*	*	*	*	30.24	+0.4	59	*	+2	SW	3	m	1	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.22	-	56	55	-	S	5	0	4	-	-	-	
20 th	Scilly	30.21	55	S	5	0	30.12	-1.2	57	56	+3	S	5	0	4	59	54	-	
	Brest	30.30	59	SW	2	0	30.23	-0.6	50	50	+2	SSE	3	0	4	59	46	-	
	Corunna	*	*	*	*	*	30.22	-0.2	56	*	-3	SSE	3	0	4	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	30.06	-	56	56	-	S	6	0	5	-	-	-	
21 st	Scilly	30.00	56	S	6	0	29.75	-3.4	58	58	+1	S	8	0	6	58	56	0.60	
22 nd	Scilly	29.75	57	SW	6	0	29.74	+0.2	52	51	-6	SSE	6	0	6	59	50	0.24	
	Corunna	*	*	*	*	*	30.16	+0.7	61	*	+1	SW	7	m	5	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	29.78	-	56	54	-	WSE	6	0	6	-	-	-	
23 rd	Scilly	29.81	55	W	5	0	29.50	-2.4	55	54	+3	SW	6	0	6	58	52	0.60	
	Corunna	*	*	*	*	*	29.62	-5.4	60	*	-1	SE	6	0	5	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	29.47	-	51	47	-	WSE	6	0	6	56	49	0.20	
24 th	Scilly	29.53	50	WSE	6	0	29.63	+1.3	53	49	-2	WSE	6	0	6	56	49	0.20	
	Corunna	*	*	*	*	*	30.00	+0.8	55	*	-5	W	6	0	6	*	*	*	
	Scilly 2 p.m.	-	-	-	-	-	29.53	-	57	54	-	WSE	7	0	6	-	-	-	
25 th	Scilly	29.53	55	WSE	6														

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

DATE	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2).	SHADE TEMP.		Amount of Rainfall.	
				Dirce.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from yesterday.	Dry.	Wet.	Difference from yesterday.	Dirce.	Force. (0 to 12).			Mat.	Mis.		
26 th	Silly 2pm	-	-	-	-	-	29.98	-	58	55	-	N S W	5	60	6	-	-	-	
27 th	Silly	29.98	55	SW	6	C	29.85	-01	53	53	-2	SW	2	2	Y	60	53	0.06	
	Corunna	*	*	*	*	*	30.12	-01	57	*	-1	Z	0	0	1	*	*	*	
	Silly 2pm	-	-	-	-	-	29.89	-	58	56	-	N S W	6	e	Y	-	-	-	
28 th	Silly	29.93	55	N S W	6	b	30.15	+30	55	54	+2	N S W	4	e	6	59	58	0.01	
29 th	Silly	30.01	55	S	6	O	29.66	-49	58	58	+3	S S W	9	e	Y	60	55	0.61	
	Lorient	30.26	55	SW	3	b O	30.43	-23	57	57	+5	SW	5	m	Y	61	50	-	
	Corunna	*	*	*	*	*	30.23	?	60	*	?	?	1	?	Y	*	*	*	
	Silly 2pm	-	-	-	-	-	29.66	-	57	57	-	N	6	o	6	-	-	-	
30 th	Silly	29.66	57	N S W	5	O	29.83	+17	57	56	-1	S S W	6	o	6	58	55	0.05	
	Corunna	*	*	*	*	*	30.26	+03	63	*	+3	?	?	e	5	*	*	*	
	Silly 2pm	-	-	-	-	-	29.76	-	59	59	-	SW	8	o	6	-	-	-	
31 st	St Kagen	29.63	48	S	7	N	29.23	-48	47	47	0	S	7	n	Y	43	43	0.43	
	Silly	29.81	58	N S W	9	O	30.29	+46	54	51	-3	N N W	5	o	6	59	55	-	
	Corunna	*	*	*	*	*	30.40	+14	61	*	-2	N E	3	o	6	*	*	*	
	Silly 2pm	-	-	-	-	-	30.37	-	56	58	-	X	2	o	6	-	-	-	
CORRECTIONS																			
1 st	Shields	-	-	Z	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Scarborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2 nd	Porthhead	-	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-	
3 rd	Nottingham	-	-	-	-	-	30.05	-08	-	-	-	-	-	-	-	-	-	-	
	Hingston	-	56	-	-	-	-	-	-	-	-	-	SE	-	-	-	-	-	
4 th	Talencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 th	Greenacres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	
	Bover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	
6 th	Strain	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Greenacres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	
7 th	Greenacres 2pm	-	-	-	-	-	30.37	-	-	-	-	-	-	-	-	-	-	-	
8 th	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-	
	Sumburgh Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
9 th	Stormway	230.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
	Scarborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10 th	Hingston	30.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hunt Castle	230.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11 th	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	
12 th	Valencia 2pm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	York	-	-	-	-	-	29.77	-26	-	-	-	-	-	-	-	-	-	-	
13 th	Hingston	29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Strain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	234	-	
	Greenacres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	
	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	
14 th	Bover	229.96	-	-	-	-	-	-	-	-	-	-	-	-	-	55	46	-	
	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	
15 th	Nottingham	-	-	-	-	-	-	-	-	-	-	SW	-	-	-	-	-	-	
	Holyhead	-	-	-	-	-	29.57	-	-	-	-	-	-	-	-	-	-	-	
16 th	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	54	-	
	Talencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	
	Plymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	
17 th	Leith	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Scarborough	29.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18 th	Holyhead	-	-	-	-	-	-	-	48	43	0	-	-	-	-	-	-	-	
	Plymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	
19 th	Holyhead	-	-	-	-	-	30.35	+31	-	-	+1	-	-	-	-	-	50	-	
	Cannbridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	
20 th	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	229	-	
	Leith	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	
	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
21 st	Scarborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
	Liverpool	30.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22 nd	Holyhead	229.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23 rd	Stormway	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	
24 th	Hingston	-	-	-	-	-	-	-	49	-	+3	-	-	-	-	-	-	-	
25 th	Sumburgh Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	241	-	
26 th	Strain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	
27 th	Stormway	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	252	-	
28 th	Hunt Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29 th	Harro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30 th	Bonaghader	229.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hunt Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43	
31 st	Jersey	-	-	-	-	-	229.99	-01	-	-	-	-	-	-	-	-	-	-	
	Harro	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	
	Porthhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	
	Jersey	-	-	-	-	-	-	+27	-	-	-	-	-	-	-	-	-	-	