



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

Wagner & Co., Lith. London.

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY—31ST DECEMBER,

1877.

DAILY WEATHER REPORT JULY 1ST 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp in air.	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 ...	29.82	53	E	2	c	29.72	-.23	57	57	-6	E	2	r	*	*	*	-	
Hernösand ...	29.72	57	L	0	c	29.77	-.05	59	53	+5	NW	4	b	*	*	*	0.04	
Stockholm ...	29.77	58	SSW	2	b	29.91	-.06	62	58	+6	SW	4	b	*	*	*	-	
Wisby ...	29.54	57	SW	6	bc	29.96	-.10	54	51	-6	W	6	b	*	*	*	0.04	
Christiansund ...	29.78	50	W	4	r	29.78	-.06	55	50	-1	S	3	b	4	57	46	-	
Skudesnaes ...	29.99	54	SW	2	c	29.95	-.04	56	54	-1	SSE	6	o	4	57	54	-	
Oxö (Ålansand) ...	29.98	58	WSW	4	c	30.02	+ .07	55	53	0	WSW	2	o	2	61	50	-	
Skagen (The Scaw) ...	29.95	50	WNW	5	c	30.00	+ .05	57	53	0	W	5	b	1	64	50	-	
Fanö ...	30.07	56	WNW	4	c	30.07	+ .03	60	59	+1	WSW	1	c	*	64	50	0.08	
Cuxhaven ...	30.17	70	NNW	4	c	30.13	*	59	57	*	E	1	o	*	?	57	-	
Bomburgh Head ...	29.85	53	WSW	6	b	29.79	-.17	52	49	+1	SW	5	o	5	56	48	-	
Stornoway ...	29.88	56	WSW	5	o	29.77	-.13	54	53	+1	SW	4	c	4	59	49	0.15	
Thurso ...	29.89	57	W	3	c	29.81	-.10	57	57	0	SW	3	c	3	64	50	-	
Wick ...	29.91	56	SW	3	o	29.83	-.11	58	53	+3	SW	4	o	2	62	48	-	
Nairn ...	29.95	56	W	2	bc	29.85	-.13	59	52	+1	WSW	3	b	2	63	50	0.10	
Aberdeen ...	29.98	61	WSW	1	b	29.91	-.10	55	52	-4	SW	1	b	2	66	48	-	
Leith ...	30.07	60	W	4	c	29.95	-.15	60	55	+2	W	4	bc	*	65	53	-	
Shields ...	30.12	64	W	3	bc	30.01	-.15	62	56	+3	SW	2	c	0	64	52	-	
Scarborough ...	30.12	62	WNW	1	c	30.02	-.15	59	54	-6	S	0	o	1	69	55	-	
York ...	30.15	63	WSW	1	bc	30.05	-.15	57	54	-3	NW	1	o	*	71	51	-	
Nottingham ...	30.13	70	W	1	c	30.05	-.17	54	54	-8	NNE	1	o	*	81	55	-	
Ardrossan ...	30.09	56	SSW	3	c	29.99	-.14	56	53	0	S	3	o	3	60	55	0.02	
Greenacastle ...	30.08	59	W	2	o	29.95	-.17	56	53	+1	W	2	o	*	64	52	-	
Donaghadee ...	30.12	60	WSW	3	o	30.02	-.16	62	58	+4	WNW	2	b	1	66	52	-	
Kingstown ...	30.28	64	S	1	c	30.08	-.16	59	54	+2	WSW	3	c	2	66	56	-	
Holyhead ...	30.18	59	SW	2	c	30.06	-.18	57	55	+2	W	2	c	1	65	54	-	
Liverpool (Belton) ...	30.18	59	NW	1	c	30.05	-.18	58	53	+1	W	1	o	1	64	55	-	
Valencia ...	30.22	61	W	3	c	30.10	-.17	57	55	-2	W	1	o	2	64	53	0.05	
Roche's Point ...	30.21	65	SW	3	b	30.13	-.13	57	52	+2	WSW	2	bc	2	70	50	-	
Fenbroke ...	30.19	59	NW	1	b	30.09	-.17	57	55	0	NW	1	r	1	61	56	-	
Portsmouth ...	30.14	64	WSW	3	c	30.06	-.16	58	55	-4	W	2	o	3	74	54	0.09	
Seilly ...																		
Plymouth ...	30.18	67	L	0	o	30.09	-.16	60	56	-2	L	0	o	*	71	57	-	
Hurst Castle ...	30.16	67	SW	2	b	30.02	-.22	61	60	-1	NW	2	o	1	67	58	-	
Dever ...	30.14	65	WSW	2	b	30.03	-.19	66	62	+1	WSW	2	bc	1	69	57	-	
London ...	30.15	71	SW	1	og	30.04	-.19	62	59	-4	WSW	1	od	*	79	66	-	
Oxford ...	*	*	*	*	*	30.04	-.17	56	55	-10	L	0	r	*	72	55	0.32	
Cambridge ...	30.14	65	SE	1	o	30.03	-.19	58	58	-8	NW	1	r	*	72	58	0.96	
Yarmouth ...	30.19	59	ESE	2	c	30.05	-.16	57	57	-5	ESE	4	r	*	63	56	0.97	
The Helder ...	*	*	*	*	*	30.08	-.07	60	55	-5	E	1	c	*	*	*	*	
Cape Gris Nez ...	30.15	66	SW	1	bc	30.04	-.21	64	59	0	SW	1	b	0	70	57	-	
Jersey ...																		
Brest ...	30.24	72	NNE	1	c	30.18	-.13	61	59	-5	N	2	m	2	75	55	-	
L'Orient ...	30.17	72	NW	3	b	30.13	-.17	64	59	-4	NNW	2	c	2	82	57	-	
Rocheport ...	30.10	75	NW	2	b	30.07	-.09	72	66	0	SW	3	b	3	91	57	-	
Biarritz ...	30.09	75	WNW	2	c	30.12	-.05	70	66	0	WSW	4	c	4	75	66	-	
Corunna ...	*	*	*	*	*	30.21	?	66	*	-5	N	3	o	2	*	*	*	
Brussels ...	*	*	*	*	*	30.03	-.21	70	*	+4	E	3	b	*	*	*	*	
Charleville ...	*	*	*	*	*	30.13	-.04	72	*	+4	SSE	3	b	*	*	*	*	
Paris ...	30.12	79	S	2	bc	30.03	-.23	72	*	+4	N	1	cb	*	*	*	*	
Lyons ...	*	*	*	*	*	30.11	+ .07	76	*	-2	S	2	c	*	*	*	*	
Toulon ...	30.07	77	W	1	b	30.13	?	77	63	+9	E	4	b	3	82	76	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.99	58	55	SW	2	c	3	Valencia	30.25	62	56	WSW	4	c	4
Thurso	29.89	61	53	W	4	c	4	Seilly							
Scarborough ...	30.14	68	58	SW	2	c	1	London	30.17	75	67	WSW	1	c	*
Greenacastle ...	30.09	61	55	W	2	c	*	Rocheport ...	30.15	90	72	E	1	b	3
Holyhead	30.20	63	58	SW	2	com	1								

The barometer has fallen everywhere, but most in London, where the air is very sultry, and heavy clouds have been formed during the day.

EXPLANATION OF COLUMNS.

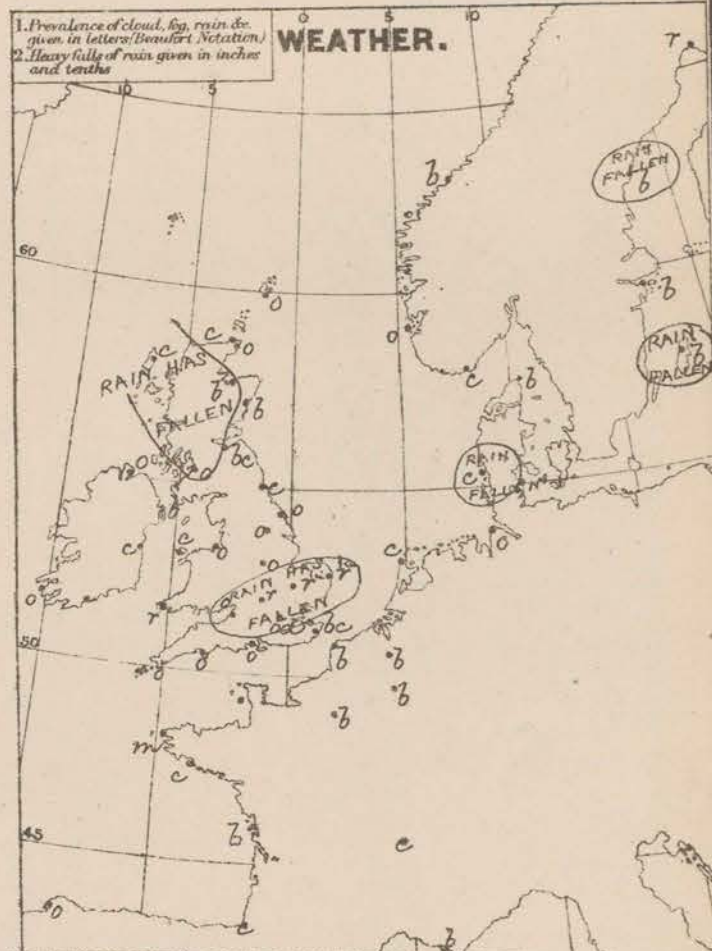
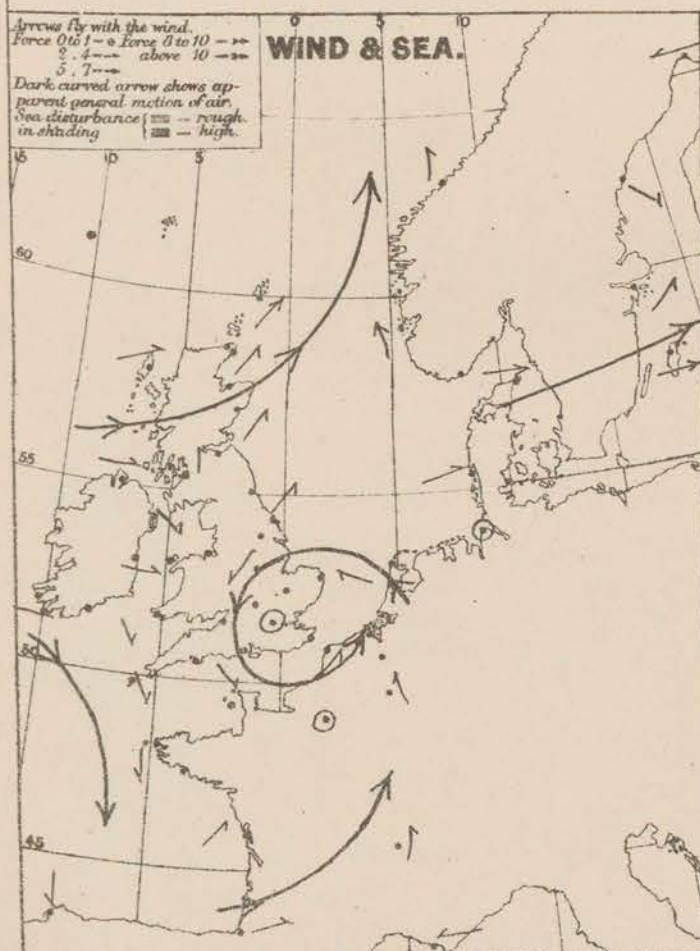
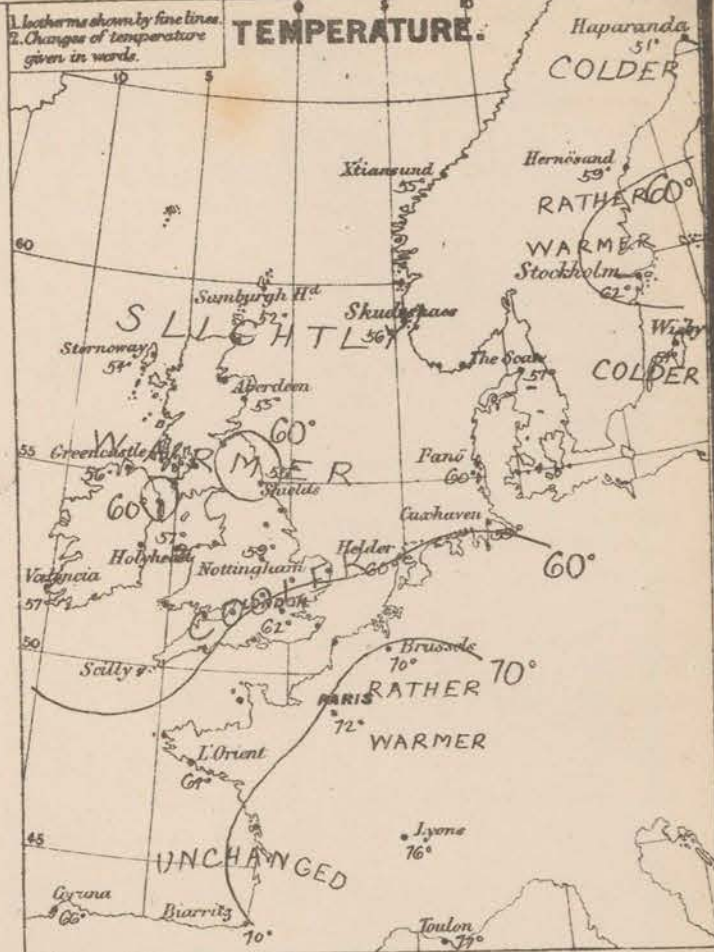
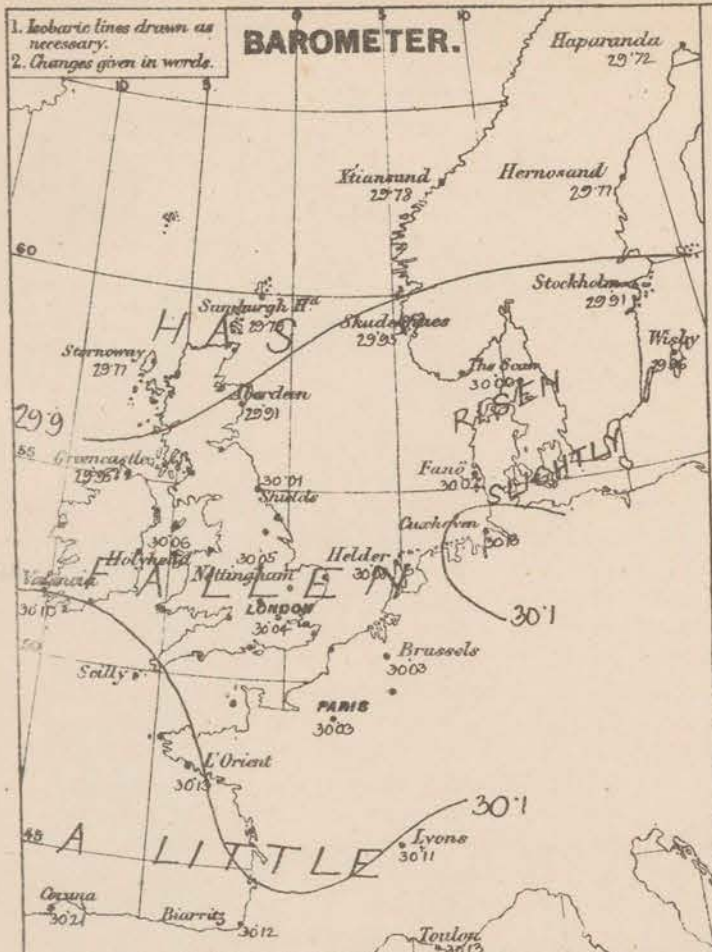
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility; w. unusual transparency; w. dew.

* 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 1ST JULY 1877.



REMARKS. The barometer is this morning falling in all parts of Western Europe, though a slight rise has taken place in Denmark since yesterday. The highest pressures still lie away to the SW. of our Islands but another large depression is advancing on our north west coasts from the Atlantic, while a very small shallow disturbance has been formed over the south of England. The winds on our north and north west coasts have returned to the SW. generally and are moderate in force, but in the south they are very light and much more variable. On our south eastern coasts a circulation is shown round the shallow disturbance in that neighbourhood. Temperature has risen a little on our west and north coasts but fallen a few degrees in the south east. The maxima of yesterday were not quite so high as those of yesterday; in London the highest reading having been 79° in contrast 83° on the previous day. Very heavy rain has fallen over the eastern coasts during the night and still continues, while in London a drizzle is just commencing. The sea is smooth.

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

R. H. SCOTT,
Director.

DAILY WEATHER REPORT JULY 2ND

1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Therm. in shade.	WIND.		Weather.	BAROMETERS.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Readings at 32° F. and Sea Level.	Difference from yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.75	54			b		+14		+6				*	*	*			
Hernösand ...	29.86	57			c		+23		-5				*	*	*			
Stockholm ...	29.92	61			bc		+23		-3				*	*	*			
Wisby ...	29.98	59			b		+27		+3				*	*	*			
Christiansund ...	29.79	53			f		+11		0				*	*	*			
Skudesnaes ...	29.88	54			r		+16		+1				*	*	*			
Oxö (Xtiansand)	29.95	57	SSW	4	o	29.86	-16	56	52	+1	S	2	c	1	61	52	-	
Skagen (The Seaw)	29.96	58	WSW	2	c	29.86	-14	59	56	+2	Z	0	o	0	73	52	0.04	
Fanö ...	29.88	56	ESE	4	r	29.86	-21	58	55	-2	NE	3	e	*	64	52	0.08	
Cuxhaven ...	29.96	?	NE	4	c	29.86	-27	61	60	+2	NN	5	o	*	?	59	0.06	
Sumburgh Head	29.72	53	SW	3	c	29.64	-15	51	49	+1	SW	5	e	4	56	48	0.01	
Stornoway	29.72	57	WSW	5	bc	29.67	-10	51	50	-3	W	2	bp	4	59	46	0.28	
Thurso ...	29.71	58	SW	4	e	29.68	-13	56	50	-2	SW	5	e	4	65	47	0.02	
Wick ...	29.72	57	W	4	o	29.68	-15	56	51	-2	SW	3	bc	1	63	46	0.02	
Nairn ...	29.78	59	WSW	4	b	29.73	-12	55	49	-4	WSW	2	g	1	60	47	0.03	
Aberdeen ...	29.79	62	W	2	b	29.74	-17	58	51	-3	W	1	bc	1	67	48	-	
Leith ...	29.85	62	WSW	4	c	29.82	-13	54	52	-6	WSW	4	c	*	71	50	0.01	
Shields ...	29.90	65	W	4	b	29.88	-13	59	52	-3	WSW	3	c	1	65	53	0.03	
Scarborough	29.92	56	SSE	2	bc	29.91	-11	62	57	+3	WSW	2	c	1	64	53	-	
York ...	29.96	64	W	3	b	29.94	-11	60	55	+3	W	3	c	*	68	50	-	
Nottingham ...	?	64	SW	1	o	30.00	-25	67	59	+8	S	2	bc	*	73	47	0.01	
Ardrossan ...	29.90	58	NNW	4	r	29.85	-14	54	50	-2	NNW	3	e	3	62	52	0.02	
Greencastle ...	29.88	58	W	2	o	29.85	-10	56	52	0	W	2	u	*	65	48	0.09	
Donaghadee ...	29.92	62	SSW	3	b	29.92	-10	57	52	-5	WSW	3	bc	2	66	51	-	
Kingstown ...	30.01	65	NNW	4	bc	30.00	-28	56	51	-3	NNW	5	e	4	66	55	-	
Holyhead ...	30.00	61	SW	4	c	29.98	-18	58	54	+1	WSW	4	bc	3	64	53	-	
Liverpool (Bidston)	29.98	60	W	4	c	29.97	-18	58	54	0	W	3	o	3	64	53	-	
Valencia ...	30.08	62	WSW	3	bc	30.08	-22	57	53	0	W	3	o	3	63	51	-	
Roche's Point...	30.07	63	NNW	3	bc	30.06	-27	58	52	+1	NNW	4	bc	3	67	53	-	
Pembroke ...	30.06	60	W	2	b	30.03	-26	58	53	+1	W	1	bc	1	62	55	0.06	
Portishead ...	30.03	62	W	3	o	30.01	-25	60	58	+2	WSW	2	o	3	65	53	0.02	
Scilly ...																		
Plymouth ...	30.07	63	NNW	1	bc	30.06	-23	61	58	+1	Z	0	of	*	67	49	-	
Hurst Castle ...	30.01	63	NNE	2	c	30.04	+2	61	59	0	SW	1	c	1	63	55	0.10	
Dover ...	29.99	63	W	3	bc	30.01	-22	59	55	-7	W	2	cg	1	69	53	0.01	
London ...	30.01	62	NNW	2	bc	30.02	-22	61	55	-1	W	1	c	*	64	52	0.30	
Oxford ...	*	*	*	*	*	30.01	-23	58	55	+2	Z	0	o	*	66	49	0.03	
Cambridge ...	29.99	63	SW	1	c	30.00	-23	58	55	0	W	1	o	*	63	48	0.24	
Yarmouth ...	29.98	58	NNW	2	c	29.99	-26	60	56	+3	NNW	2	bm	1	60	50	0.54	
The Helder ...	*	*	*	*	*	29.95	-13	60	54	0	W	1	bc	*	*	*	-	
Cape Gris Nez	30.00	59	W	2	o	30.01	-23	59	57	-5	NNW	1	o	0	68	57	-	
Jersey ...																		
Brest ...	30.20	68	W	3	r	30.19	+21	59	59	-2	NN	1	o	2	?	52	0.04	
L'Orient ...	30.10	66	W	3	c	30.14	+21	55	54	-9	W	3	r	2	75	52	0.16	
Rochefort ...	30.07	73	NN	4	bc	30.04	-23	61	57	-11	W	4	o	3	?	?	0.28	
Biarritz ...	30.15	73	WSW	4	o	30.11	-21	66	64	-4	WSW	3	o	4	75	64	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.00	-23	58	*	-12	NNW	3	r	*	*	*	0.01	
Charleville ...	*	*	*	*	*	30.12	-21	58	*	-14	SSW	6	of	*	*	*	*	
Paris ...	29.95	78	NN	3	bc	30.02	-21	57	*	-15	NNW	3	r	*	*	*	0.28	
Lyons ...	*	*	*	*	*	30.06	-25	73	*	-3	S	2	o	*	*	*	*	
Toulon ...	30.06	73	SE	4	bc	30.02	-11	73	66	-4	E	4	bc	3	86	?	-	

YESTERDAY'S P.M. REPORTS AND REMARKS.

Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes	29.91	59	56	SSE	4	of	4	Valencia			
Thurso								Scilly			
Scarborough								London			*
Greencastle						*		Rochefort	30.08	75	68
Holyhead											3

EXPLANATION OF COLUMNS.

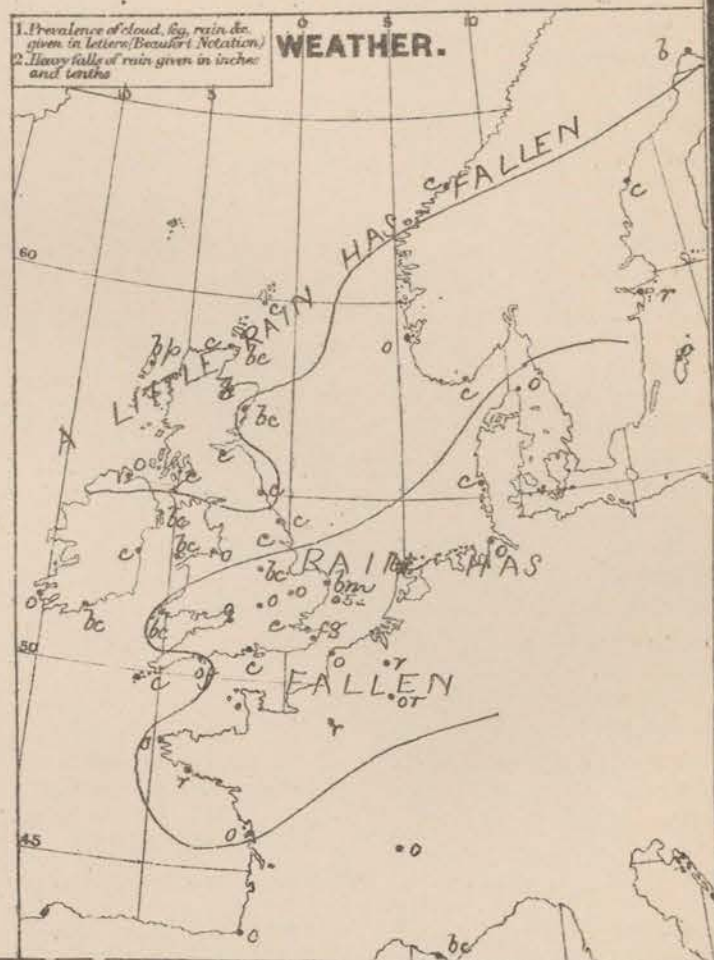
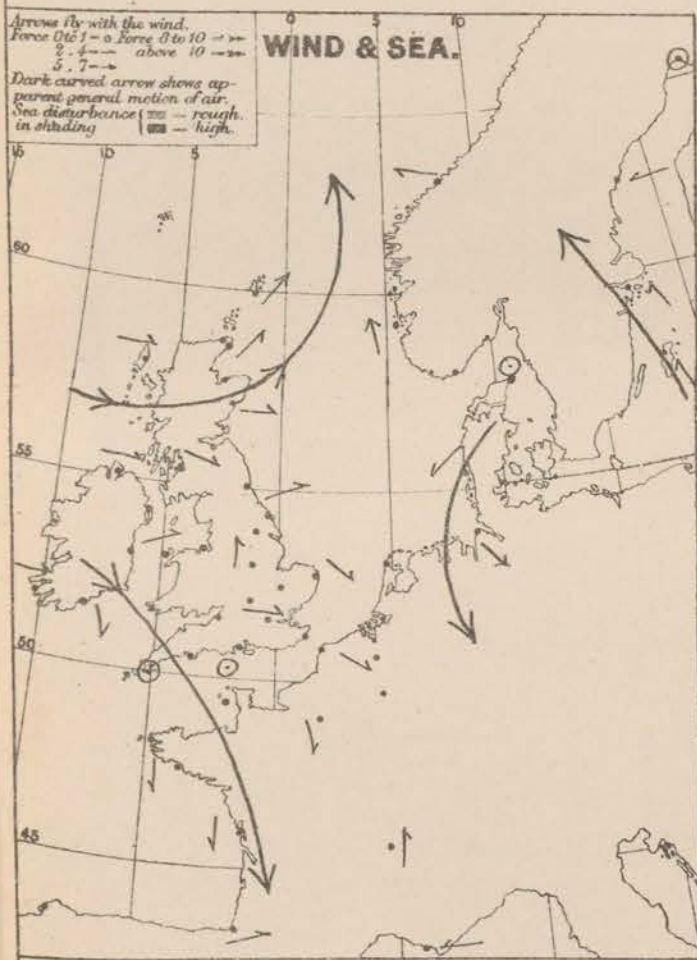
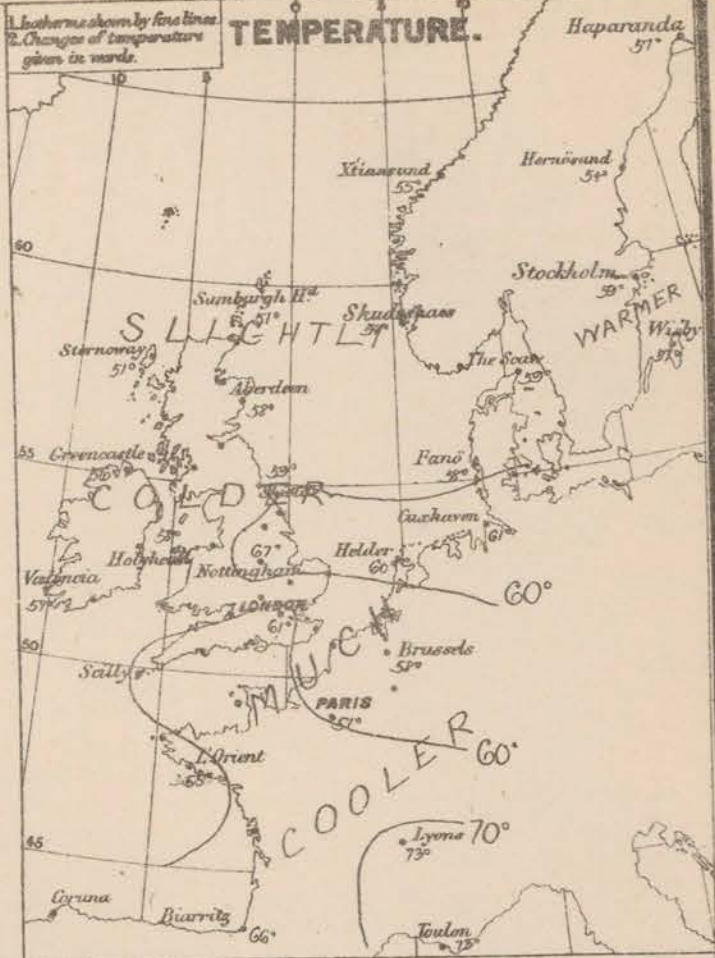
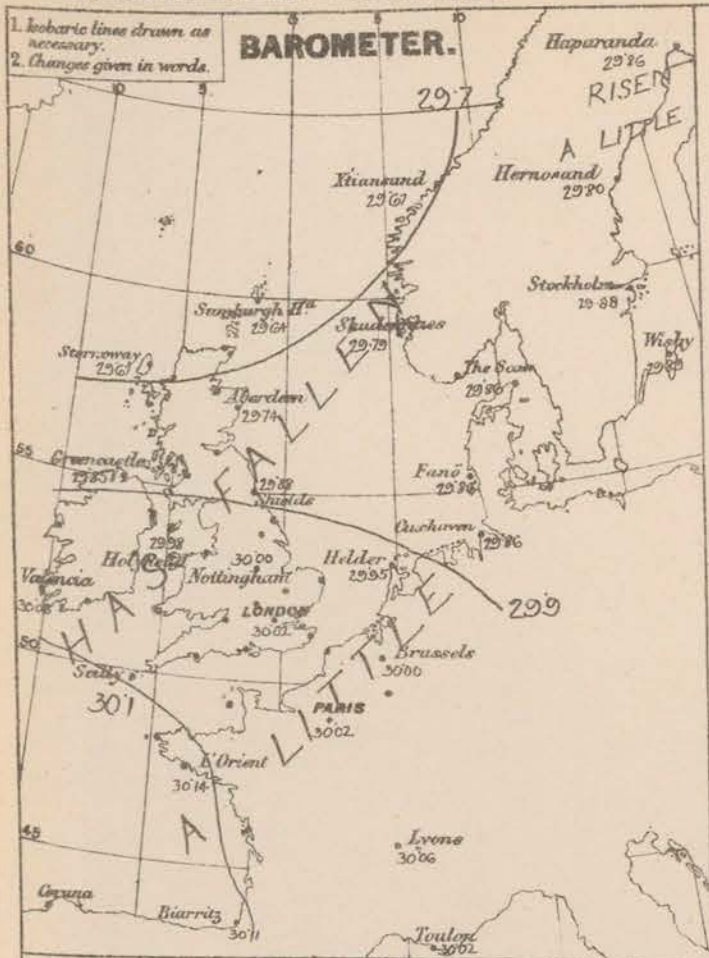
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

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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 Monday 2ND JULY 1877.



REMARKS. During Saturday the barometer fell very generally over the United Kingdom, and although a further fall has taken place since Sunday at the northern and eastern stations, very little change has occurred in the south west and south. Readings now vary from about 30.2 ins at Prest to 29.64 ins at Lumburgs 14th and 30.0 ins in the south east of France. Moderate W to SW winds prevail on our northern coasts, and SE winds in the west of Norway, while W to NW breezes are felt in Ireland and England, N winds over France, and an E breeze at London. Temperature has fallen very generally. In London it did not rise above 64° yesterday but at Nottingham it reached a maximum of 73° and at Leith 71°. Rain fell at all but the Irish stations yesterday; the fall was heaviest in the south east of England, nearly an inch having been measured at Yarmouth yesterday morning, and more than half an inch this morning. In London the total amount measured was about .03 in. The sky is still rather cloudy generally, and rain is falling in the north east of France as well as at some of the more northern of our stations. The sea is moderate in the north and north west, smooth or nearly so elsewhere.

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT JULY 3RD 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	29.82	56	S	2	bc	29.91	+0.05	57	55	0	S	2	bc	*	*	*	—		
Hernösand	29.82	54	Z	0	c	29.78	-0.02	57	54	+3	ESE	2	c	*	*	*	—		
Stockholm	29.81	57	S	2	b	29.84	-0.04	62	56	+3	Z	0	bc	*	*	*	—		
Wisby	29.83	52	NNE	4	b	29.86	-0.03	57	54	0	NNE	4	o	*	*	*	—		
Christiansund	29.72	53	N	1	bc	29.73	+0.06	56	51	+1	SE	2	b	2	57	46	0.16		
Skudesnaes	29.79	55	S	2	b	29.76	-0.03	58	56	+1	SSE	6	o	4	59	55	—		
Oxö (Xtiansand)	29.84	58	SN	4	b	29.88	-0.03	58	55	+2	S	2	o	1	61	52	—		
Skagen (The Seaw)	29.86	57	Z	0	c	29.88	+0.02	58	55	-1	NSN	2	o	0	70	48	—		
Fanö	29.88	56	N	2	c	29.89	+0.03	60	58	+2	SN	4	c	*	64	54	—		
Cuxhaven	29.92	?	NNN	3	c	29.96	+0.10	66	63	+5	NSN	2	b	*	?	54	—		
Sumburgh Head	29.67	53	SN	3	bc	29.62	-0.02	53	49	+1	SSN	2	c	2	56	41	—		
Stornoway	29.66	53	N	4	c	29.62	-0.05	52	50	+1	N	3	o	4	58	45	0.26		
Thurso	29.66	57	Z	0	c	29.62	-0.06	55	50	0	SN	3	c	3	62	46	0.02		
Wick	29.68	55	S	2	bc	29.64	-0.04	54	50	-2	S	2	bc	1	60	46	0.02		
Nairn	29.69	57	SN	6	bc	29.67	-0.06	54	47	-1	SN	3	bc	2	62	47	0.02		
Aberdeen	29.71	54	Z	0	c	29.69	-0.05	57	52	-1	N	1	bc	1	64	47	0.14		
Leith	29.78	59	N	4	b	29.76	-0.06	55	57	+1	N	4	c	*	64	48	—		
Shields	29.86	61	N	3	bc	29.85	-0.03	57	52	-2	NSN	3	o	1	65	50	—		
Scarborough	29.89	60	NSW	2	bc	29.88	-0.03	63	55	+1	N	2	bc	2	69	52	—		
York	29.93	61	N	3	b	29.90	-0.04	58	52	-2	N	4	c	*	66	50	—		
Nottingham	29.99	62	N	2	c	29.97	-0.03	62	56	-5	SN	4	bc	*	75	47	0.01		
Ardrossan	29.82	58	NW	3	c	29.80	-0.05	53	50	-1	NSN	3	c	3	62	51	0.02		
Greencastle	29.83	56	N	2	o	29.80	-0.05	53	50	-3	N	2	o	*	60	46	0.09		
Donaghadee	29.87	63	NSW	4	bc	29.86	-0.06	55	53	-2	N	5	c	3	65	48	—		
Kingstown	29.90	63	N	4	bc	29.96	-0.04	56	50	0	N	4	b	3	64	52	0.04		
Holyhead	29.95	57	SN	4	c	29.95	-0.03	54	52	-4	NSN	4	b	3	64	51	0.24		
Liverpool (Bidston)	29.94	59	N	3	c	29.94	-0.03	54	50	-4	NSN	4	c	3	62	53	0.23		
Valencia	30.06	59	N	4	c	30.02	-0.06	56	54	-1	NSW	4	o	5	63	53	0.09		
Roche's Point	30.08	64	NNN	4	bc	30.03	-0.03	57	52	-1	N	3	c	3	65	53	—		
Pembroke	30.02	60	N	2	b	30.02	-0.01	58	55	-2	Z	0	r	2	62	55	0.02		
Portishead	30.02	64	NSN	3	bc	30.02	+0.01	60	54	0	NSN	3	b	3	70	55	—		
Scilly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth	30.06	65	NW	2	bc	30.08	+0.02	63	59	+2	N	3	bc	*	73	56	—		
Hurst Castle	30.00	63	NSN	4	c	30.06	+0.02	62	58	+1	N	4	b	4	64	53	—		
Dover	29.98	61	NSW	2	c	30.04	+0.03	62	56	+3	NSW	4	b	3	66	54	—		
London	29.97	66	N	2	cp	30.03	+0.01	61	56	0	N	2	bc	*	73	48	0.01		
Oxford	...	...	...	...	...	30.00	-0.01	61	58	+3	NSN	2	c	*	72	50	—
Cambridge	29.94	66	NN	1	o	29.95	-0.05	61	57	+3	N	2	bc	*	72	47	—		
Yarmouth	29.95	62	SSE	1	bc	29.97	-0.02	60	57	0	N	2	b	1	63	56	0.05		
The Helder	...	...	...	...	...	29.95	0.00	62	59	+2	NSN	2	b	*	*	*	—
Cape Gris Nez	30.01	61	NSN	3	o	30.05	+0.04	57	54	-2	N	4	b	3	66	55	—		
Jersey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brest	30.21	70	NNN	3	b	30.24	+0.05	61	57	+2	N	0	o	2	?	55	—		
L'Orient	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rocheport	30.09	68	NW	4	c	30.21	+0.17	64	61	+3	NE	2	b	3	73	50	0.16		
Biarritz	30.08	73	NSN	3	o	30.19	+0.08	64	63	-2	ESE	1	r	4	?	59	0.12		
Corunna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels	...	...	...	...	...	30.05	+0.05	57	*	-1	SN	3	o	*	*	*	*
Charleville	...	...	...	...	...	30.01	-0.11	53	*	-5	S	3	of	*	*	*	*
Paris	30.03	63	NW	3	c	30.09	+0.07	61	*	+4	N	3	b	*	*	*	0.04		
Lyons	...	...	...	...	...	30.07	+0.01	66	*	+7	NNN	?	o	*	*	*	*
Toulon	29.97	73	N	3	o	30.00	-0.02	66	63	-7	NN	5	c	4	81	?	0.08		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.79	59	56	S	4	o	3	Valencia	30.07	61	57	N	4	29	4
Thurso	29.67	59	58	S	2	cp	0	Scilly							
Scarborough ...	29.89	65	55	NSW	3	bc	2	London	29.98	68	60	NSW	1	c	*
Greencastle ...	29.83	58	50	N	2	bc	*	Rocheport ...	30.08	68	60	NW	3	o	3
Holyhead	29.98	61	53	SW	3	o	3								

No important change.

EXPLANATION OF COLUMNS.

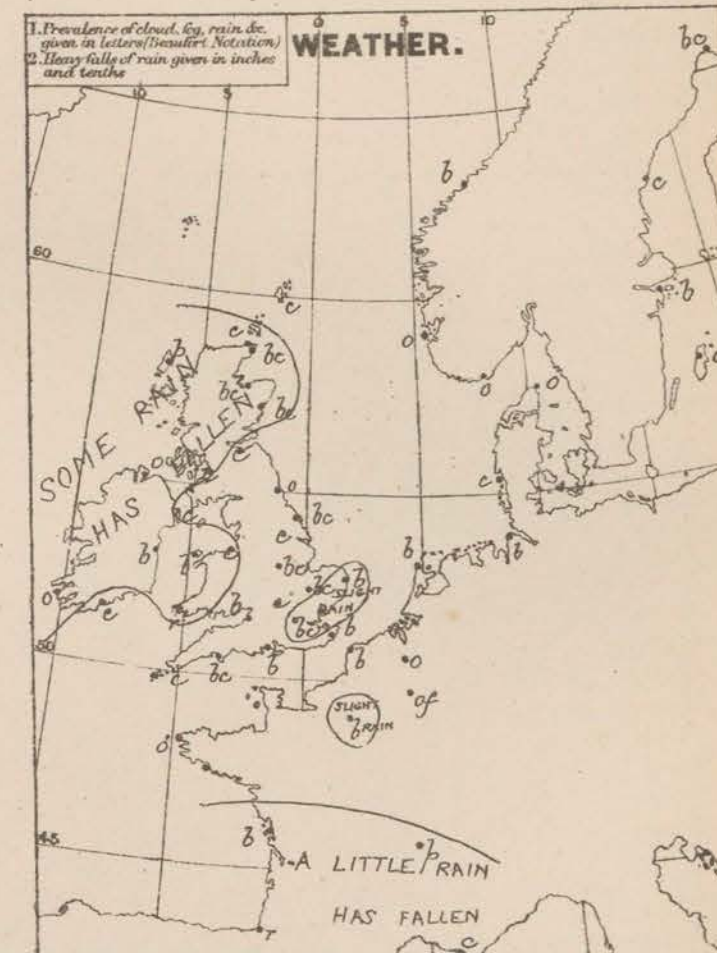
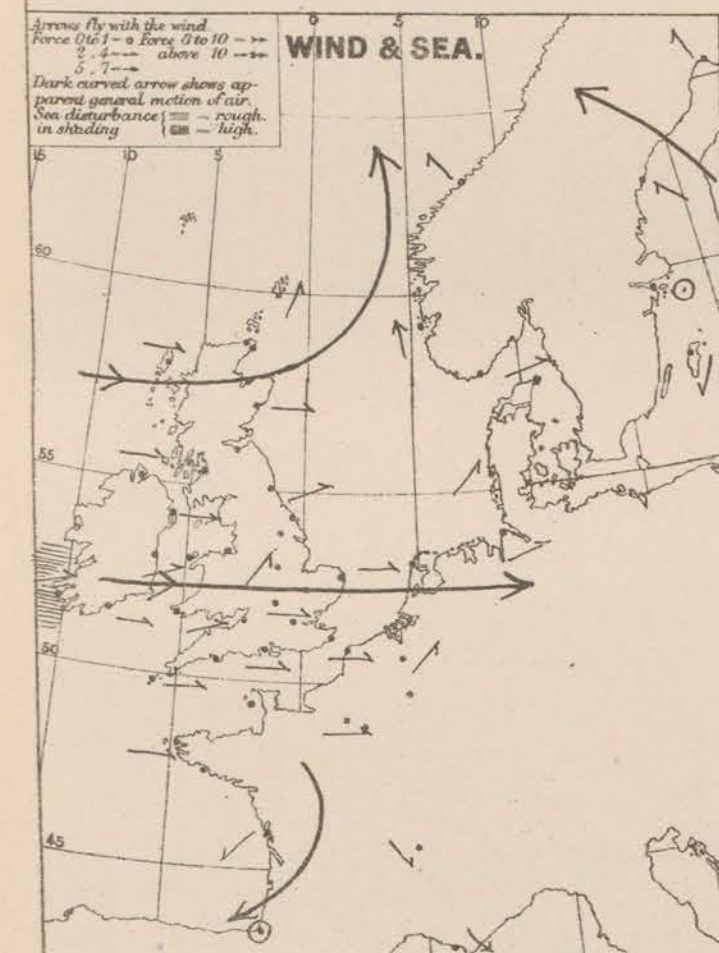
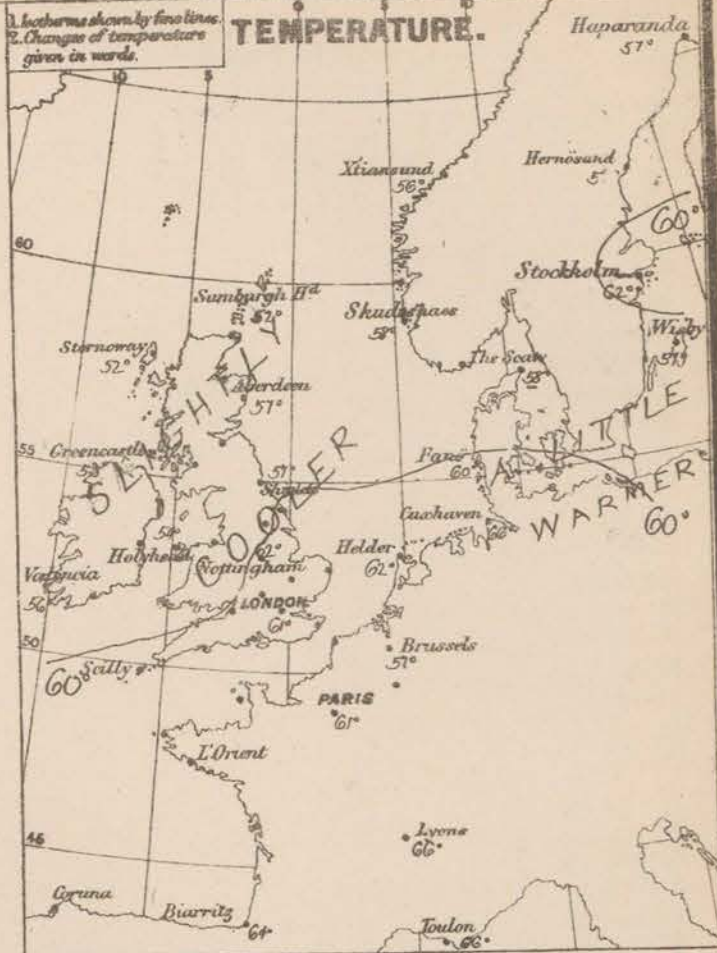
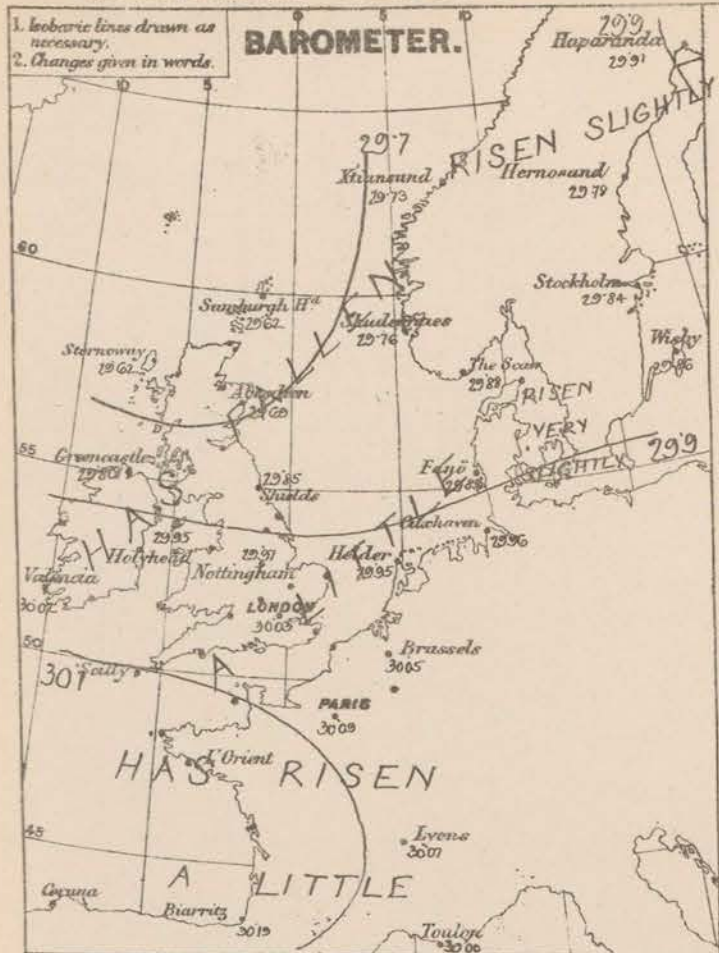
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 3rd JULY 1877.



REMARKS. Since yesterday morning the barometer has indicated hardly any change whatever in any part of our Islands, so that the readings reported this morning are nearly identical with those of yesterday. The tendency, however, is to rise in the south, and fall in the west and north. Light to moderate W. breezes still prevail over Ireland, England and the northern parts of France, and N.W. winds in Scotland, while S.E. breezes are reported from the west of Norway. Temperature shows little change. The highest reading recorded over the inland parts of England yesterday varied from 70° to 75°. In London the highest was 73°. The sky continues rather cloudy, and showers have again fallen in the west and north. The sea is smooth or nearly so on all but our most northern coasts.

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

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT JULY 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	29.86	60	Z	0	b	29.86	-0.05	63	57	+6	Z	0	bc	*	*	*	-	
Hernösand	29.77	53	SE	2	b	29.80	+0.02	58	56	+1	S	2	b	*	*	*	-	
Stockholm	29.86	58	SSW	4	b	29.90	+0.06	64	58	+2	SW	2	bc	*	*	*	-	
Wishy	29.89	53	Z	0	b	29.93	+0.07	59	57	+2	W	2	bc	*	*	*	-	
Christiansund	29.69	57	NE	4	b	29.70	-0.03	57	50	-5	NE	2	m	2	59	?	1.45	
Skudesnaes	29.77	55	SSW	4	b	29.75	-0.01	58	56	0	SSE	6	b	5	61	55	0.04	
Oxö (Xtiansand)	29.84	55	SSW	4	c	29.83	0.00	58	54	0	S	4	bc	3	61	50	-	
Skagen (The Seaw)	29.89	58	Z	0	b	29.91	+0.03	57	54	-1	SW	2	b	0	68	46	0.28	
Fanö	29.93	56	NSW	4	bc	29.86	-0.03	56	56	-4	NSW	4	ct	*	66	52	0.51	
Cuxhaven	30.01	?	NSW	2	b	29.96	0.00	58	56	-8	SW	2	b	*	?	57	-	
Sumburgh Head	29.62	52	SSE	3	c	29.60	-0.02	51	49	-1	NSW	2	0	2	57	46	0.02	
Stornoway	29.66	53	WNW	5	bc	29.78	+0.16	57	49	-1	WN	3	bcp	4	55	45	0.31	
Thurso	29.63	53	W	2	c	29.69	+0.07	50	49	-5	NSW	5	p	4	59	47	0.19	
Wick	29.64	49	W	1	r	29.69	+0.05	52	50	-2	W	4	bc	2	57	44	0.46	
Nairn	29.67	54	SW	1	bc	29.76	+0.09	52	48	-2	W	3	b	2	60	48	0.12	
Aberdeen	29.68	54	Z	0	bc	29.75	+0.06	54	48	-3	WNW	1	bc	2	63	45	0.17	
Leith	29.74	55	W	4	bc	29.83	+0.07	56	52	+1	WN	2	bc	*	61	46	0.10	
Shields	29.81	60	W	5	bc	29.87	+0.02	56	51	-1	NSW	4	c	1	62	48	0.01	
Scarborough	29.85	60	NSW	2	b	29.91	+0.03	61	54	-2	NSW	1	b	1	64	48	-	
York	29.88	61	W	4	b	29.92	+0.02	57	51	-1	W	3	b	*	66	46	-	
Nottingham	29.93	61	SSW	3	0	29.98	+0.01	63	56	+1	SW	3	b	*	74	43	-	
Ardrossan	29.81	59	SW	3	c	29.87	+0.07	52	48	-1	NNW	4	c	3	60	51	0.15	
Greencastle	29.84	56	NNW	2	bc	29.91	+0.11	51	48	-2	NNW	2	0	*	60	46	0.22	
Donaghadee	29.86	53	NNW	4	c	29.93	+0.07	54	52	-1	NNW	4	bc	3	60	46	0.22	
Kingstown	29.93	58	NSW	1	c	30.01	+0.05	52	49	-4	NNW	4	b	3	65	49	0.65	
Holyhead	29.92	56	NSW	3	c	29.98	+0.03	54	52	0	NNW	4	b	3	62	51	0.07	
Liverpool (Bidston)	29.89	62	NNW	3	bc	29.96	+0.02	55	50	+1	W	3	bc	2	62	49	0.31	
Valencia	30.03	58	WN	2	bc	30.05	+0.03	58	52	+2	Z	0	bc	2	63	49	0.13	
Roche's Point	29.99	54	WN	4	b	30.05	+0.02	53	51	-2	WN	1	bc	2	60	47	0.55	
Pembroke	29.96	55	W	2	c	30.03	+0.01	55	52	-1	WNW	1	b	1	59	52	0.31	
Portishead	29.98	56	NSW	4	0	30.00	-0.02	58	54	-2	NSW	2	b	3	63	52	0.38	
Scilly																		
Plymouth	30.04	65	NSW	3	c	30.03	-0.05	61	56	-2	WN	2	b	*	71	57	0.02	
Hurst Castle	30.01	63	W	6	b	30.02	-0.04	61	57	-1	W	3	c	3	63	57	-	
Dover	30.01	61	NSW	4	b	30.01	-0.03	62	59	0	NSW	3	cgy	3	65	56	-	
London	29.98	65	SW	3	opt	30.00	-0.03	59	55	-2	SW	2	c	*	71	53	0.01	
Oxford	*	*	*	*	*	29.99	-0.01	58	55	-3	SW	2	bc	*	70	50	0.15	
Cambridge	29.95	57	NNW	1	0	29.97	+0.02	58	55	-3	W	1	c	*	70	50	0.40	
Yarmouth	29.96	60	NNW	1	bc	29.98	+0.01	59	54	-1	W	2	b	2	68	53	0.02	
The Helder	*	*	*	*	*	29.95	0.00	62	57	0	SW	2	c	*	*	*	-	
Cape Gris Nez	30.04	61	NSW	5	b	30.02	-0.03	59	57	+2	SW	3	bc	2	63	57	-	
Jersey																		
Brest	30.22	68	NSW	3	0	30.18	-0.06	61	59	0	WNW	2	b	3	?	55	-	
L'Orient	30.19	61	W	3	0	30.15	-0.09	61	57	+2	W	1	b	1	70	55	-	
Rocheport	30.17	68	WN	4	b	30.11	-0.10	66	63	+2	NE	3	bc	3	73	54	-	
Biarritz	30.11	73	NNW	3	b	30.06	-0.13	66	63	+2	SSW	1	bc	3	?	57	-	
Corunna	*	*	*	*	*										*	*	*	
Brussels	*	*	*	*	*	30.04	-0.01	61	*	+4	SW	3	0	*	*	*	*	
Charleville	*	*	*	*	*	30.00	-0.01	61	*	+8	SSE	3	c	*	*	*	*	
Paris	30.11	67	NSW	3	c	30.07	-0.02	62	*	+1	SW	3	0	*	*	*	-	
Lyons	*	*	*	*	*	30.13	+0.06	57	*	-9	WN	2	c	*	*	*	*	
Toulon	29.96	73	WN	5	b	30.05	+0.05	64	64	-2	WN	4	b	4	79	64	-	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.76	60	55	SSE	4	c	4	Valencia	30.02	60	56	WN	2	c	3
Thurso	29.62	53	50	W	2	c/p	3	Scilly							
Scarborough ...	29.87	64	55	WSW	3	bc	2	London	30.00	68	60	WSW	3	c	*
Greencastle ...	29.81	60	52	W	2	o	*	Rocheport ...	30.20	68	63	WN	4	b	3
Holyhead	29.94	60	56	SW	5	b	4								

No change since the morning.

EXPLANATION OF COLUMNS.

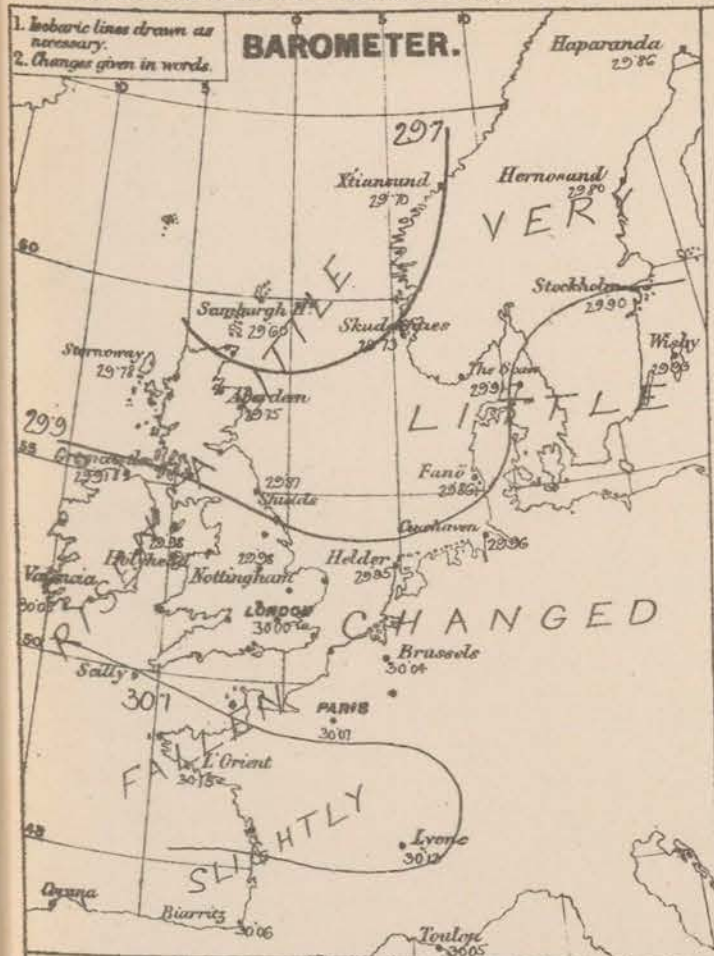
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Wednesday 4TH JULY 1877.



DAILY WEATHER REPORT JULY 5TH 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	29.85	59	Z	0	6	29.82	-.04	62	58	-1	Z	0	6c	*	*	*	-	
Hernösand	29.80	67	S	2	6	29.74	-.06	63	59	+5	NE	2	6	*	*	*	-	
Stockholm	?	60	?	2	6c	29.78	-.12	66	62	+2	Z	0	6	*	*	*	-	
Wisby	29.89	56	NSW	2	6	29.86	-.07	55	54	-4	W	4	6	*	*	*	-	
Christiansund	29.76	52	NNW	3	r	29.78	+.08	56	57	+5	ESE	1	6	1	?	46	-	
Skudesnaes	29.83	55	SW	4	6c	29.86	+.11	54	51	-4	SSW	2	r	3	?	?	-	
Oxö (Xiänsand)	29.84	57	SSW	4	6	29.89	+.06	55	50	-3	W	2	6	2	59	48	-	
Skagen (The Swa)	29.88	54	Z	0	c	29.91	.00	57	51	0	NSW	2	6	0	63	46	0.12	
Fanö	29.93	54	W	2	6c	29.91	+.05	62	53	+6	SW	2	6c	*	64	50	0.16	
Cuxhaven	29.99	?	W	2	0	29.98	+.02	59	57	+1	SSE	2	c	*	?	52	0.38	
Sumburgh Head	29.69	51	W	4	6c	29.77	+.17	52	49	+1	W	4	6c	2	55	46	0.02	
Stornoway	29.83	54	NNW	3	6c	29.83	+.05	53	57	+2	W	1	6c	2	58	42	0.03	
Thurso	29.79	53	NNW	3	6c	29.82	+.13	53	49	+3	W	2	6	3	57	42	0.04	
Wick	29.81	55	W	2	6c	29.83	+.14	53	50	+3	W	1	6	0	58	40	-	
Nairn	29.81	54	W	1	c	29.85	+.09	57	46	-1	Z	0	6	0	59	40	0.02	
Aberdeen	29.81	54	Z	0	c	29.84	+.09	50	47	-4	Z	0	0	1	60	43	0.13	
Leith	29.84	60	NSW	3	6c	29.84	+.01	53	50	-3	NSW	1	c	*	65	48	0.06	
Shields	29.89	61	NNW	3	6c	29.88	+.01	53	57	-3	SW	2	mm	1	62	46	0.01	
Scarborough	29.91	56	SE	1	6	29.89	-.02	61	53	0	NSW	2	6	1	65	48	-	
York	29.92	61	W	1	6	29.91	-.01	53	57	-1	W	1	6	*	67	42	-	
Nottingham	29.95	62	W	2	c	29.93	-.05	63	56	0	NSW	3	6	*	73	47	0.02	
Ardrossan	29.88	58	NNW	2	c	29.86	-.01	54	50	+2	S	1	6c	1	61	45	-	
Greencastle	29.88	52	SSW	1	0	29.82	-.09	55	52	+4	S	1	c	*	59	43	0.24	
Donaghadee	29.92	57	SW	4	0	29.88	-.05	54	54	0	SW	2	6c	2	58	43	0.52	
Kingstown	29.95	52	W	3	c	29.93	-.08	54	49	+2	NNW	4	0	3	60	49	0.03	
Holyhead	29.97	57	SW	3	6c	29.91	-.07	54	51	0	NSW	2	c	2	62	50	-	
Liverpool (Bidston)	29.85	58	NNW	2	6	29.92	+.04	54	50	-1	W	2	6c	1	60	44	0.01	
Valencia	30.02	59	W	2	6c	29.94	-.11	57	49	-7	W	2	6c	3	62	46	0.16	
Roche's Point	30.00	56	NSW	2	c	29.94	-.11	57	52	+2	NSW	2	6c	2	59	47	0.51	
Pembroke	29.99	60	W	2	6	29.95	-.08	58	54	+3	W	1	6	1	61	53	0.09	
Portishead	29.98	60	W	4	6	29.97	-.03	58	52	-3	NSW	4	c	4	65	47	-	
Scilly																		
Plymouth	30.02	64	W	2	6c	30.00	-.03	58	55	-3	SW	2	6m	*	70	45	-	
Hurst Castle	30.00	65	W	4	6	29.99	-.03	61	59	0	W	4	c	4	65	50	-	
Dover	29.97	60	NSW	4	6	29.98	+.03	65	57	+3	NSW	3	6	3	65	52	0.08	
London	29.95	67	NSW	2	c	29.97	+.03	60	52	+1	W	2	6	*	71	49	-	
Oxford	*	*	*	*	*	29.96	-.03	57	53	-1	SW	2	6	*	70	46	-	
Cambridge	29.94	68	W	1	c	29.95	-.02	56	54	-2	SW	1	6	*	70	46	0.01	
Yarmouth	29.95	62	SE	2	6	29.94	-.04	58	55	-1	NNW	2	6m	1	64	51	-	
The Helder	*	*	*	*	*	29.89	-.06	58	56	-4	S	1	6c	*	*	*	0.04	
Cape Gris Nez	29.99	61	SW	3	6	30.01	+.01	57	52	-2	NNW	3	6c	3	64	54	-	
Jersey																		
Brest	30.12	68	W	3	6c	30.06	-.12	59	55	-2	NSW	1	0	2	68	52	0.04	
L'Orient																		
Rochefort	30.09	72	W	5	6	30.10	+.01	64	59	-2	W	3	6	3	77	55	-	
Biarritz	30.03	75	NNW	3	6c	30.06	.00	64	61	-2	NNE	3	0	3	?	63	-	
Corunna	*	*	*	*	*										*	*	*	
Brussels	*	*	*	*	*	30.00	-.04	66	*	+5	SW	3	0	*	*	*	*	
Charleville	*	*	*	*	*	29.95	-.05	59	*	-2	SSW	3	0	*	*	*	*	
Paris	30.02	61	W	3	r	30.05	-.02	62	*	0	W	3	6	*	*	*	0.28	
Lyons	*	*	*	*	*	30.15	+.02	70	*	+13	SE	2	c	*	*	*	*	
Toulon	30.04	70	W	5	6	30.06	+.01	72	66	+8	W	2	6	2	79	64	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.79	58	53	SW	4	c	4	Valencia	30.05	60	54	NNW	2	60	3
Thurso	29.76	55	50	NNW	4	6c	4	Scilly							
Scarborough ...	29.91	59	53	NE	2	c	3	London	29.98	67	57	W	2	c	*
Greencastle ...	29.90	58	53	W	2	0	*	Rochefort ...	30.08	60	63	NNW	4	c	3
Holyhead	29.91	59	55	SSW	3	6	2								

The barometer remains very unsteady, over our Islands; and the weather is somewhat cloudy and inclined to be showery and chundery.

EXPLANATION OF COLUMNS.

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

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

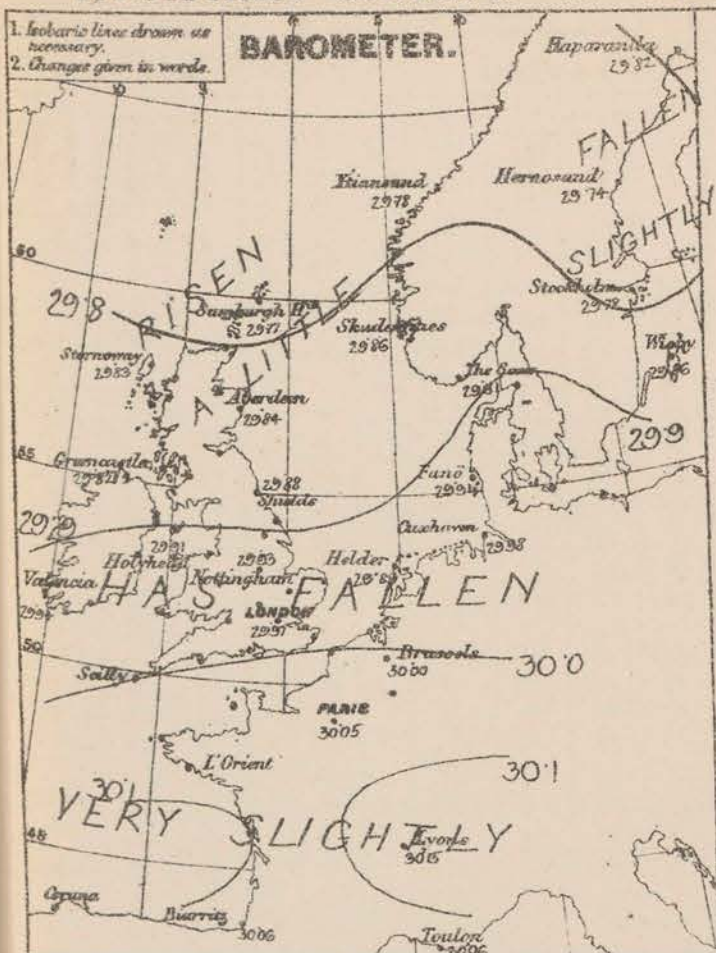
The evening observations are taken at 8 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Thursday 5th JULY 1877.

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

BAROMETER.



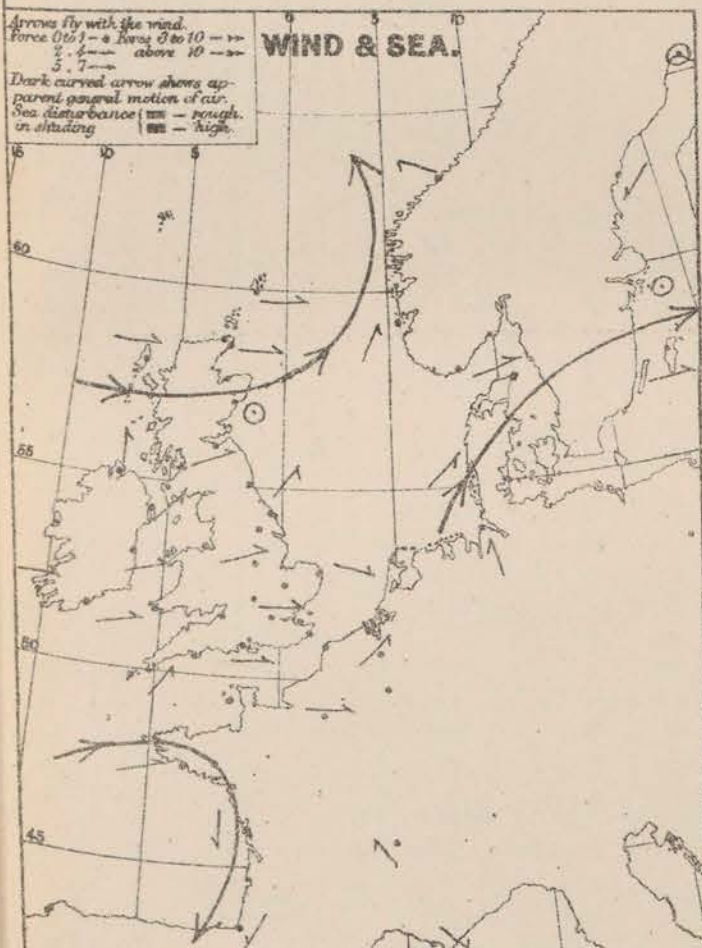
1. Weather and clouds by four times.
2. Changes of temperature given in words.

TEMPERATURE.



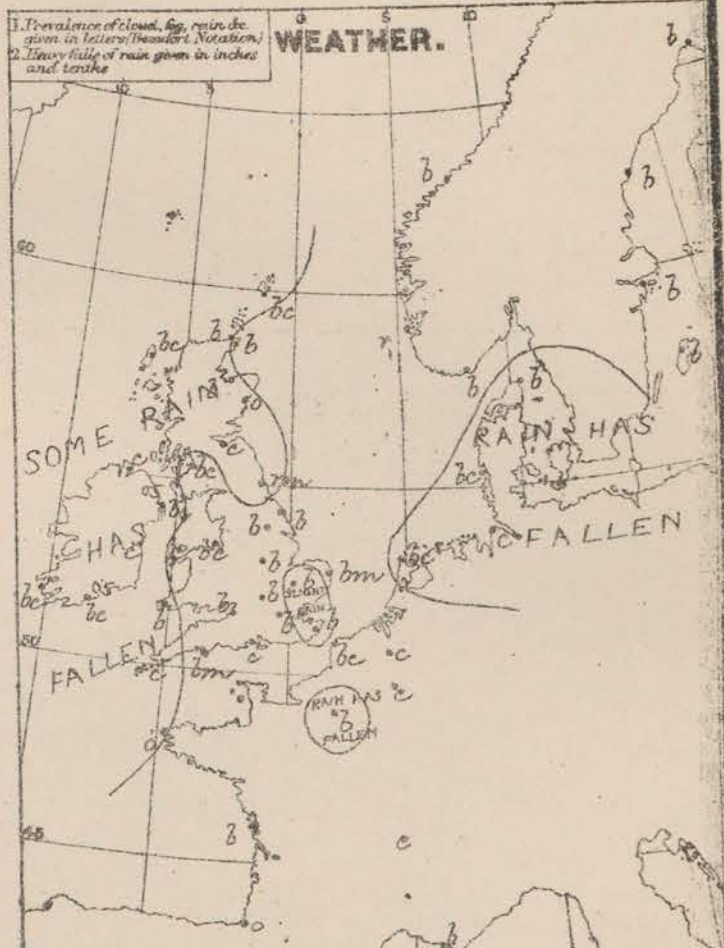
1. Arrows fly with the wind. Force 0 to 10 — 11 to 20 — 21 to 30 — 31 to 40 — 41 to 50 — 51 to 60 — 61 to 70 — 71 to 80 — 81 to 90 — 91 to 100 —
2. Dark curved arrow shows apparent general motion of air. Sea disturbance (—) — rough in shading (—) — high.

WIND & SEA.



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

WEATHER.



REMARKS.

A further slight rise of the barometer has taken place at the northern stations, while a fresh but also slight fall has set in over Ireland. Very slight gradients for W. winds now prevail generally over the United Kingdom, and light breezes from that quarter are reported from all our coasts, as well as the north of France. Temperature has not changed much at present, but its tendency is to increase a little. In London yesterday the maximum heat in the shade was again 71°, and during the night it fell to 49°, and the maximum readings over the inland parts of England yesterday were very similar to those of Tuesday. Showers of rain have again fallen in most parts of our Islands, and thunderstorms have occurred in the north and east of England. The weather is now very fine generally. The sea is moderate in the south, smooth elsewhere.

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT JULY 6TH 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 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda	29.65	58	NW	2	r	29.60	-.19	57	55	-.5	N	2	c	*	*	*	0.80	
Hernösand	29.71	60	Z	0	b	29.78	+.04	60	53	-.3	NNW	2	b	*	*	*	-	
Stockholm	29.80	62	Z	0	bc	29.83	+.05	64	57	-.2	Z	0	c	*	*	*	-	
Wisby	29.88	57	SSW	6	b	29.88	+.02	63	57	+.8	N	4	o	*	*	*	-	
Christiansund	29.86	54	N	2	b	29.81	+.03	56	52	0	NNE	2	b	3	57	50	-	
Skudesnaes	29.86	55	N	1	b	29.80	-.06	57	51	+.3	NNW	2	c	2	?	54	-	
Oxö (Xtiansand)	29.84	58	SSW	4	c	29.79	-.10	57	50	+.2	SSW	2	c	1	61	50	-	
Skagen (The Skaw)	29.85	56	Z	0	b	29.80	-.11	59	55	+.2	Z	0	c	0	63	48	-	
Fanö	29.84	57	N	2	b	29.80	-.11	62	58	0	WSW	3	bc	*	64	48	0.12	
Cuxhaven	29.92	?	SSW	2	c	29.89	-.09	59	58	0	S	4	t	*	?	50	0.41	
Sumburgh Head	29.81	51	N	2	c	29.83	+.06	52	49	0	NNW	4	c	3	57	47	-	
Stornoway	29.86	56	NNE	3	bc	29.94	+.11	52	51	-.1	N	2	f	3	56	43	0.26	
Thurso	29.85	54	NNW	1	bc	29.87	+.05	52	49	-.1	NNW	2	c	3	60	47	0.03	
Wick	29.76	57	N	1	bc	29.88	+.05	53	50	-.2	N	1	b	0	59	39	0.12	
Nairn	29.76	55	Z	0	b	29.89	+.04	53	49	+.2	NNW	1	c	1	61	48	0.01	
Aberdeen	29.84	52	SE	1	c	29.84	00	53	49	+.3	NW	1	c	2	55	47	-	
Leith	29.83	50	NNE	1	c	29.86	+.02	53	50	0	NNE	1	bc	*	64	48	0.21	
Shields	29.84	54	SSE	3	c	29.84	-.04	53	50	0	N	2	c	1	57	44	0.36	
Scarborough	29.85	54	SE	2	c	29.81	-.08	56	50	-.5	NNW	2	c	3	64	49	0.55	
York	29.84	59	N	1	c	29.84	-.07	50	48	-.6	NNW	2	c	*	66	44	0.09	
Nottingham	29.87	61	SSE	2	r	29.87	-.06	53	51	-.10	Z	0	ow	*	73	46	0.02	
Ardrossan	29.83	57	SW	3	c	29.89	+.03	53	50	-.1	N	2	c	1	61	48	0.09	
Greencastle	29.85	55	N	1	c	29.92	+.10	55	51	0	NNE	2	bc	*	59	45	0.22	
Donaghadee	29.84	56	WSW	2	r	29.90	+.02	55	52	+.1	NNW	5	b	4	60	46	0.08	
Kingstown	29.87	57	N	3	r	29.94	+.01	52	49	-.2	NW	4	b	4	59	48	0.20	
Holyhead	29.85	57	SW	2	c	29.89	-.02	53	51	-.1	NNW	5	c	4	63	51	-	
Liverpool (Blazon)	29.85	57	NW	1	c	29.87	-.05	52	49	-.2	NNW	2	o	1	62	47	0.70	
Valencia	29.92	57	NW	3	c	30.09	+.15	55	50	+.4	N	3	c	3	61	49	0.11	
Roche's Point	29.93	55	NW	4	bc	30.02	+.08	54	50	-.3	N	4	b	3	59	50	0.39	
Pembroke	29.88	58	NNW	1	bc	29.93	-.02	53	50	-.5	NW	2	c	1	64	50	0.03	
Portishead	29.87	59	WSW	3	bc	29.88	-.09	55	52	0	WSW	3	bc	3	64	47	0.11	
Seilly																		
Plymouth	29.90	61	SW	3	c	29.94	-.06	54	52	-.4	NW	1	fp	*	65	47	0.12	
Hurst Castle	29.90	62	N	5	b	29.90	-.09	58	54	-.3	N	4	bc	3	62	49	-	
Dover	29.93	59	WSW	4	b	29.86	-.12	65	57	0	WSW	3	b	3	66	52	0.06	
London	29.89	64	WSW	3	bc	29.88	-.09	58	53	-.2	WSW	1	bc	*	70	47	0.20	
Oxford	*	*	*	*	*	29.87	-.09	54	51	-.3	N	1	bc	*	69	44	0.23	
Cambridge	29.90	53	WSW	2	r	29.86	-.09	54	53	-.2	WSW	1	o	*	67	45	0.22	
Yarmouth	29.89	60	SE	2	b	29.83	-.11	56	53	-.2	NNW	3	bcw	2	64	49	0.08	
The Helder	*	*	*	*	*	29.78	-.11	58	55	0	S	2	r	*	*	*	0.43	
Cape Gris Nez	29.97	61	N	4	b	29.90	-.11	59	54	+.2	WSW	3	bc	2	64	55	-	
Jersey																		
Brest	30.08	68	WSW	3	o	30.08	+.02	59	54	0	NNW	3	b	3	?	50	0.91	
L'Orient	30.06	64	WSW	3	bc	30.08	-.04	57	54	-.6	N	3	bc	3	70	52	0.28	
Rocheport	30.08	72	NW	4	bc	30.09	-.01	68	63	+.4	NW	4	bc	3	75	57	-	
Biarritz	30.07	75	N	3	bc	30.08	+.02	68	63	+.4	SSW	1	b	3	?	59	-	
Corunna	*	*	*	*	*	30.14	+.04	64	*	-.3	?	?	od	1	*	*	*	
Brussels	*	*	*	*	*	29.89	-.11	59	*	-.7	SSW	3	o	*	*	*	0.07	
Charleville	*	*	*	*	*	29.90	-.05	63	*	+.4	SSE	3	c	*	*	*	*	
Paris	29.98	69	SW	4	c	29.95	-.10	62	*	0	SW	3	o	*	*	*	-	
Lyons	*	*	*	*	*	30.05	-.10	70	*	0	NE	2	c	*	*	*	*	
Toulon	30.04	77	N	2	b	30.04	-.02	70	66	-.2	E	4	m	3	81	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.86	56	52	SSW	4	c	3	Valencia	29.92	60	54	NN	3	bc	3
Thurso	29.84	56	50	NNW	1	b	2	Scilly							
Scarborough ...	29.86	58	54	WSW	1	c	1	London	29.92	65	58	SSW	2	bc	*
Greencastle ...	29.85	54	50	SE	2	o	*	Rocheport ...	30.10	68	61	NN	4	bc	3
Holyhead	29.90	60	55	SW	3	bc	2								

A new shallow depression is coming across our islands from the NW bringing with it showery weather and some hail. The barometer is consequently falling in England but has begun to rise at Valencia, where the wind has veered to NW.

EXPLANATION OF COLUMNS.

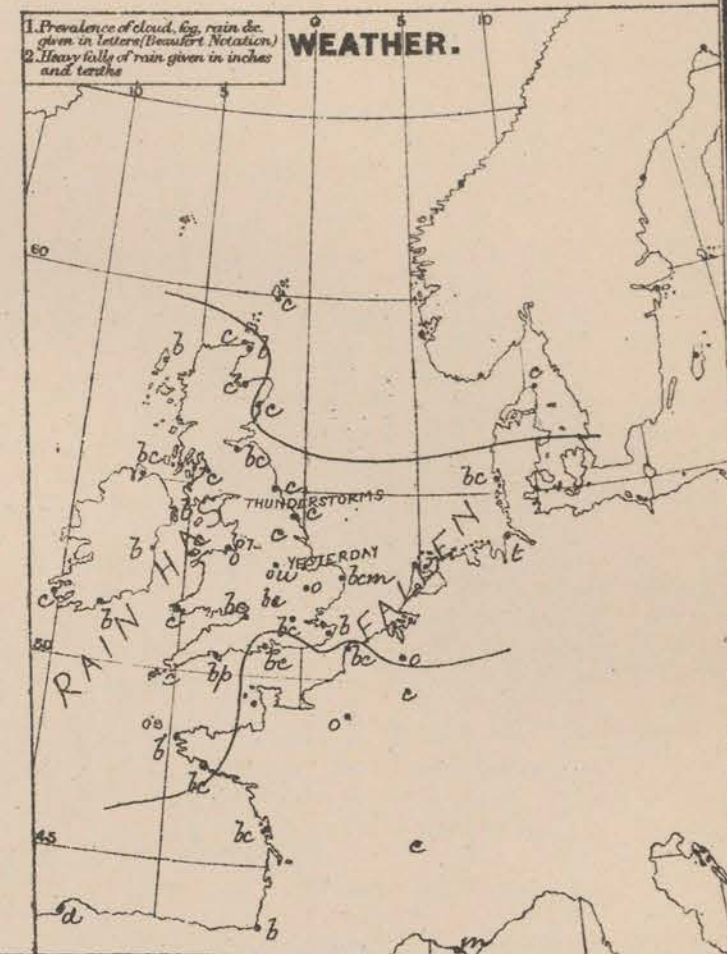
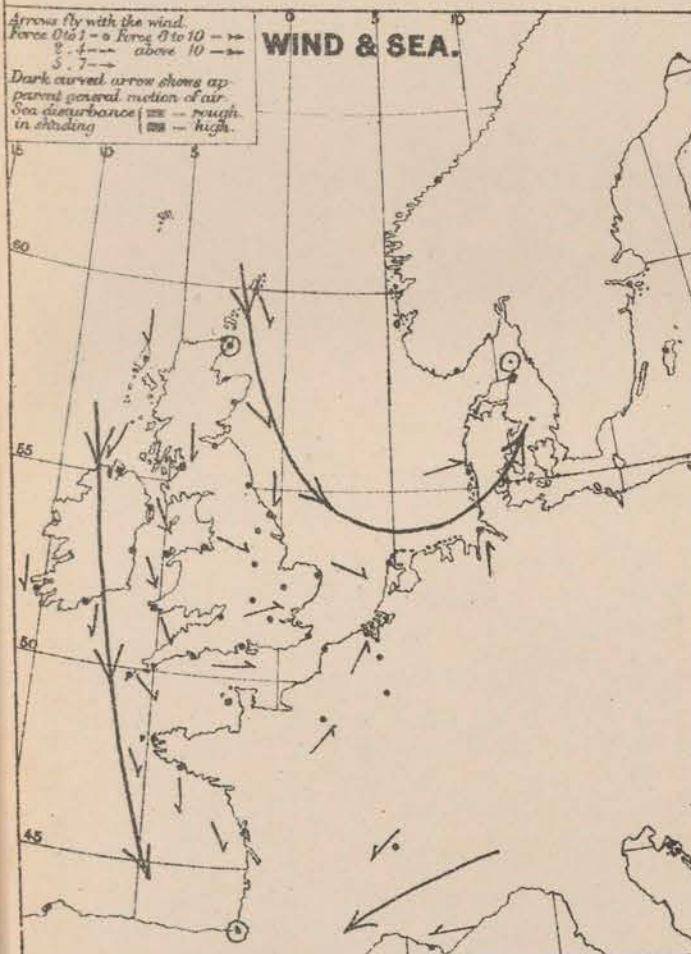
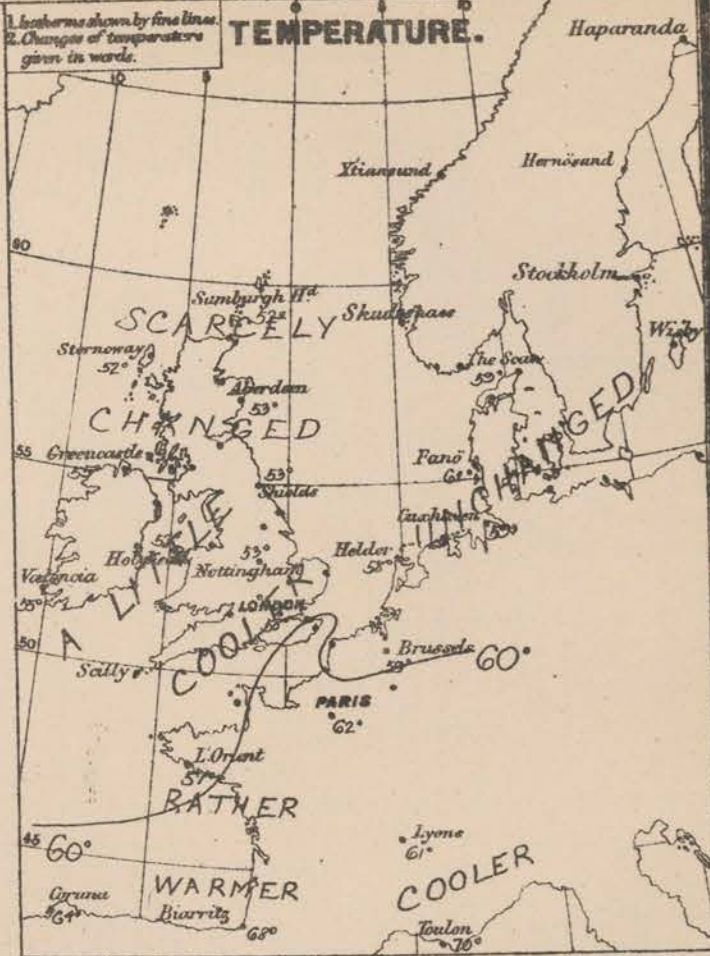
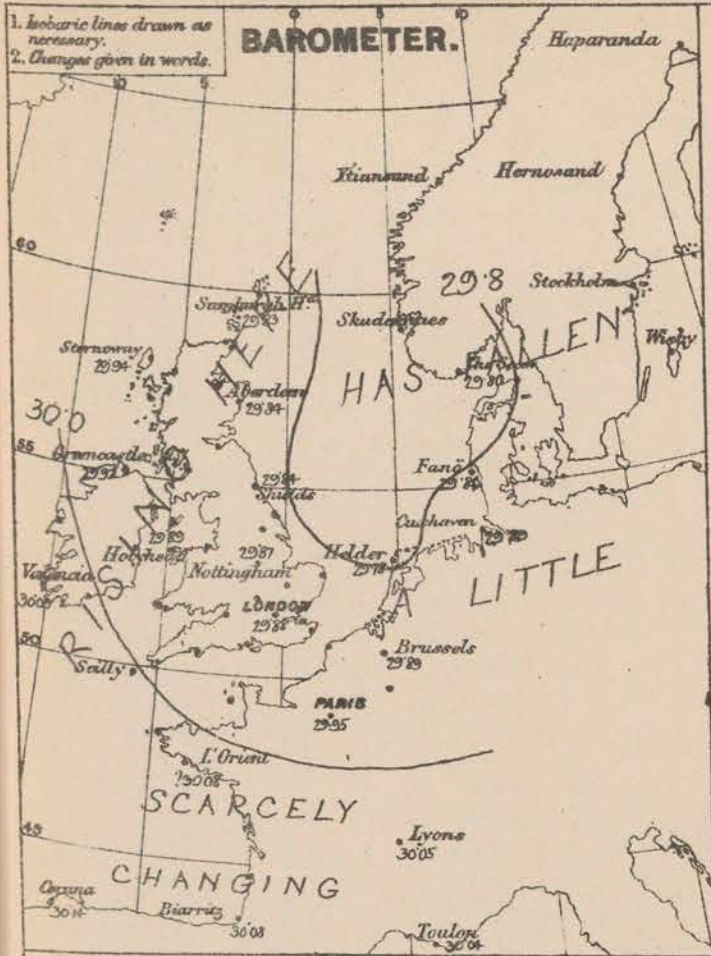
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 6th JULY 1877.*



REMARKS. The barometer has risen a little at all our western and northern stations, while it has fallen slowly in the east and south. The centre of a large but very shallow depression lies over the North Sea, giving us light to moderate N^W winds over all the western and northern parts of our Islands, W^W breezes in the Channel, S^W in Holland and S^W in Denmark. In France the wind is variable. Temperature has fallen a few degrees in most parts of the United Kingdom. The maximum temperature reached yesterday was 73° at Nottingham and 70° in London. At none of the other British stations did the thermometer rise so high. The night was rather cool, the shaded thermometer having been down to 49° in London and 46° in the north of England. Thunderstorms occurred in almost all parts of the British Islands yesterday; the rain was heavy in some localities, while others escaped entirely. In London nearly two tenths of an inch fell in about 15 minutes. The sky is now rather cloudy generally, rain is falling at the Helles, and a thunderstorm is in progress at Cuxhaven. The sea is moderate in the north west slight elsewhere.

NOTE. The Swedish and Norwegian Reports arrived too late to be included in the Charts or Remarks.

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT JULY 7TH

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.	
			Direc.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.77	55	S	2	C	29.80	+17	54	53	-3	E	2	r	*	*	*	-	
Hernösand ...	29.77	57	SSW	2	O	29.80	+22	61	56	+1	SE	2	b	*	*	*	-	
Stockholm ...	29.80	57	SSE	4	bc	29.69	-14	53	53	-11	ENE	2	r	*	*	*	0.16	
Wisby ...	29.85	58	S	4	bc	29.67	-21	59	57	-4	SSE	4	r	*	*	*	0.39	
Christiansund ...	29.80	54	NE	4	bc	29.82	+21	50	49	-6	NE	4	0	3	59	46	0.28	
Skudesnaes ...	29.74	54	NNN	6	b	29.73	-107	58	54	+1	NN	4	bc	2	?	54	-	
Oxö (Xtiansand) ...	29.73	59	SSW	2	C	29.68	-10	55	51	-2	NNW	2	C	2	61	50	-	
Skagen (The Sæw) ...	29.74	56	Z	0	C	29.64	-16	55	57	-4	NNW	3	C	2	70	48	0.04	
Fanö ...	29.71	54	NSW	4	C	29.71	-29	55	52	-7	NNW	6	C	*	64	50	0.28	
Cuxhaven ...	29.81	?	NSW	3	b	29.83	-26	58	56	-1	N	5	C	*	?	52	0.25	
Sumburgh Head ...	29.97	53	N	3	bc	29.96	+13	50	48	-2	N	4	C	3	58	45	0.03	
Stornoway ...	30.02	57	N	3	r	30.11	+17	50	48	-2	N	2	b	4	55	44	0.17	
Thurso ...	29.93	53	NNW	4	C	30.02	+15	50	48	-2	NNW	5	C	4	50	49	0.16	
Wick ...	29.93	53	N	3	bc	30.01	+13	53	50	0	NN	4	C	1	61	35	0.01	
Nairn ...	29.96	53	NNW	2	C	30.06	+17	57	48	-2	NNW	3	Cp	2	56	48	0.11	
Aberdeen ...	29.89	56	N	1	r	29.97	+13	52	50	-1	NNW	2	ap	2	57	48	0.12	
Leith ...	29.94	57	N	2	C	30.05	+19	55	50	+2	NN	3	bc	*	63	47	0.11	
Shields ...	29.91	56	N	4	b	30.04	+20	55	49	+2	NNW	3	C	1	56	48	-	
Scarborough ...	29.90	55	NNW	3	C	30.04	+23	60	53	+4	NNW	3	bc	2	60	47	0.02	
York ...	29.91	55	N	1	C	30.06	+22	54	50	+4	NN	1	0	*	62	43	0.02	
Nottingham ...	30.07	56	NN	2	0	30.09	+22	57	54	+4	NNW	2	C	*	65	42	0.23	
Ardrossan ...	29.98	54	NNW	3	C	30.09	+20	54	50	+1	NNW	4	bc	3	63	50	0.07	
Greencastle ...	30.05	53	N	2	0	30.17	+25	54	50	-1	N	1	bc	*	59	45	0.37	
Donaghadee ...	30.03	56	N	5	b	30.15	+25	54	57	-1	NN	6	C	4	59	49	-	
Kingstown ...	30.05	56	NNW	3	C	30.21	+27	52	49	0	NNW	4	C	4	57	47	0.50	
Holyhead ...	30.02	57	NNW	4	b	30.16	+27	54	57	+1	NNW	5	C	4	59	52	0.01	
Liverpool (Bidston) ...	29.97	57	NNW	4	C	30.11	+24	54	50	+2	NNW	4	C	4	60	49	0.50	
Valencia ...	30.21	57	NNW	4	bc	30.33	+24	58	51	+3	N	3	bc	3	61	50	0.02	
Roche's Point ...	30.18	56	N	5	bc	30.29	+27	54	49	0	N	3	b	3	61	47	0.04	
Pembroke ...	30.07	57	NNW	2	b	30.22	+29	53	49	0	NN	1	b	1	59	51	-	
Portishead ...	30.02	58	N	3	bc	30.15	+27	56	53	+1	N	4	C	4	64	48	0.04	
Seilly ...																		
Plymouth ...	30.07	59	NN	3	b	30.21	+27	59	54	+5	NN	3	bc	*	66	46	-	
Hurst Castle ...	29.99	62	NN	5	b	30.16	+26	60	54	+2	NNW	3	b	3	63	46	-	
Dover ...	29.93	57	NNW	3	bc	30.10	+24	61	54	-4	NNW	2	b	2	65	50	0.12	
London ...	29.94	56	NN	1	ap	30.12	+24	55	57	-3	NN	1	bc	*	64	42	0.03	
Oxford ...	*	*	*	*	*	30.13	+26	55	50	+1	NN	1	b	*	65	43	-	
Cambridge ...	29.93	56	N	1	0	30.11	+25	53	52	-1	NN	1	C	*	64	45	0.03	
Yarmouth ...	29.90	58	NNW	2	b	30.06	+23	56	52	0	NN	3	b	2	61	46	0.01	
The Helder ...	*	*	*	*	*	29.98	+20	59	53	+1	N	3	C	*	*	*	0.24	
Cape Gris Nez ...	29.93	59	N	5	C	30.13	+23	57	54	-2	NN	2	bc	2	63	52	-	
Jersey ...																		
Brest ...	30.23	68	NNW	3	b	30.32	+24	59	55	0	N	3	b	2	?	54	-	
L'Orient ...	30.15	61	NN	5	b	30.30	+22	57	54	0	NNW	3	b	2	68	50	-	
Rochefort ...	30.12	70	NN	5	C	30.23	+14	61	55	-7	NE	4	bc	3	72	57	-	
Biarritz ...	30.15	73	N	3	C	30.19	+11	64	59	-4	ENE	3	C	3	73	59	-	
Corunna ...	*	*	*	*	*	30.20	+26	64	*	0	NE	?	C	4	*	*	*	
Brussels ...	*	*	*	*	*	30.08	+19	53	*	-6	SW	3	C	*	*	*	0.12	
Charleville ...	*	*	*	*	*	30.02	+12	52	*	-11	SW	3	0	*	*	*	*	
Paris ...	30.00	64	N	4	bc	30.17	+22	58	*	-4	N	2	b	*	*	*	0.16	
Lyons ...	*	*	*	*	*	30.15	+10	69	*	-1	NNW	4	C	*	*	*	*	
Toulon ...	30.03	79	N	2	b	29.99	-5	79	70	+9	N	2	0	6	82	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet	Wind.	Wes.	Sea.		
Skudesnaes ...	29.76	56	50	NNW	6	b	2	Valencia	30.17	60	53	NNW	4	bc	4
Thurso	29.91	53	50	NNW	2	r	3	Seilly							
Scarborough ...	29.86	55	52	N	4	c	4	London	29.88	63	55	N	2	c	*
Greencastle ...	29.99	56	57	N	2	bc	*	Rochefort ...	30.04	66	61	NNW	5	c	3
Holyhead	29.97	58	54	NN	4	b	4								

The barometer continues to rise in the N. and N. but is steady in the S.E. The sky has become very cloudy in London and has a thundery appearance.

EXPLANATION OF COLUMNS

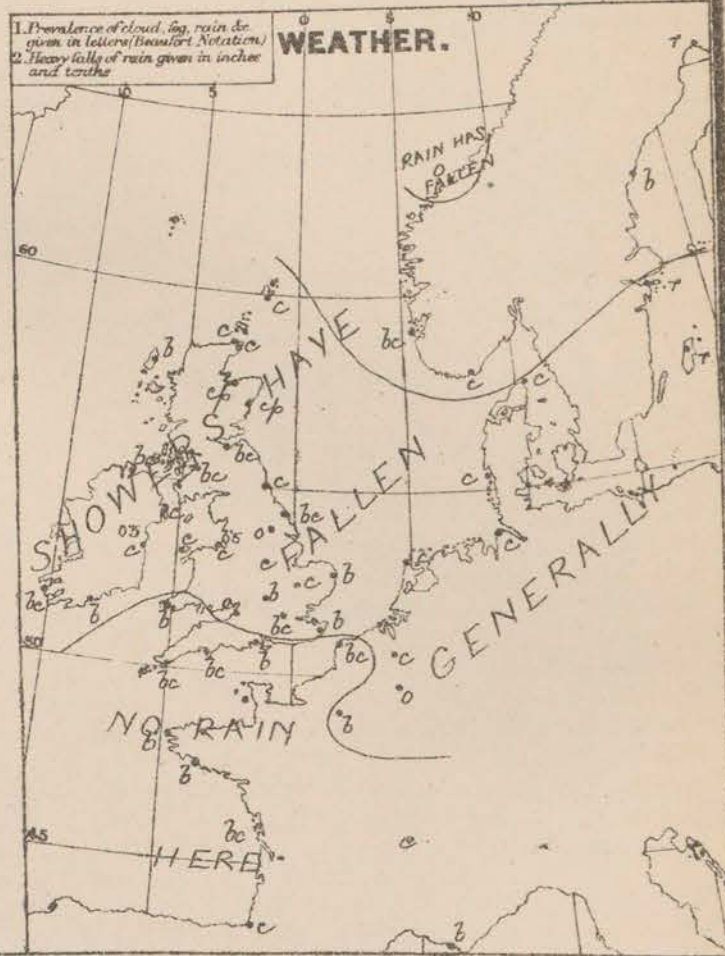
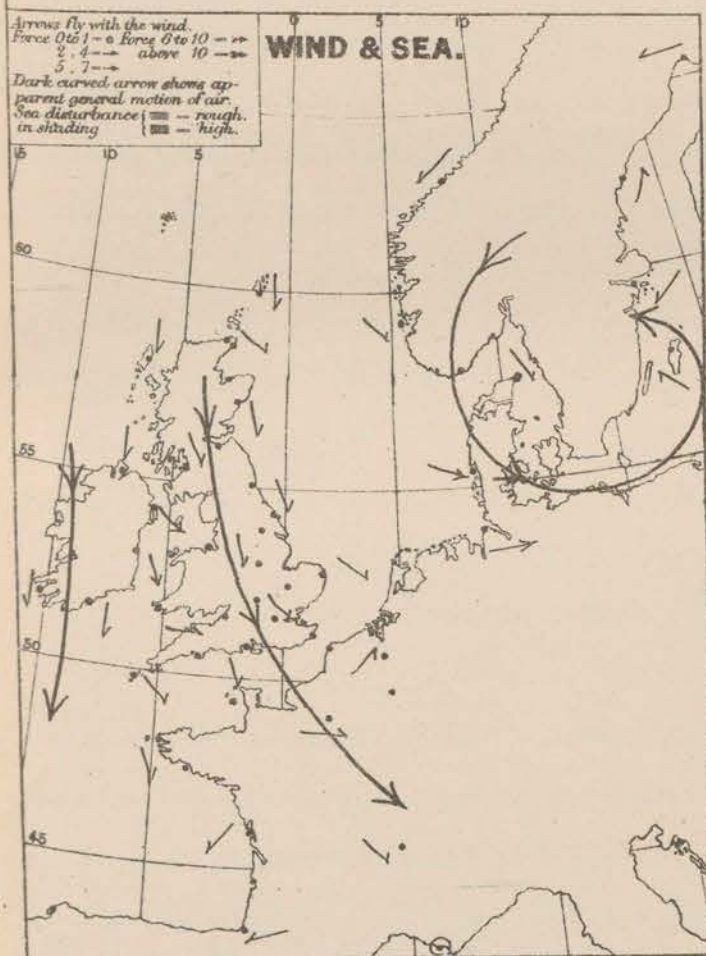
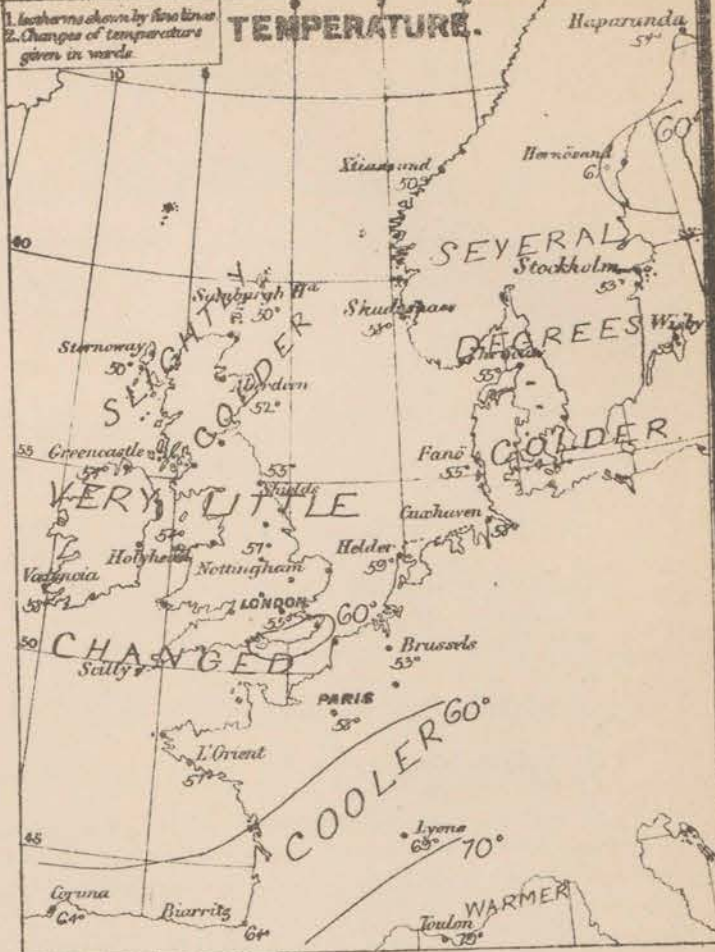
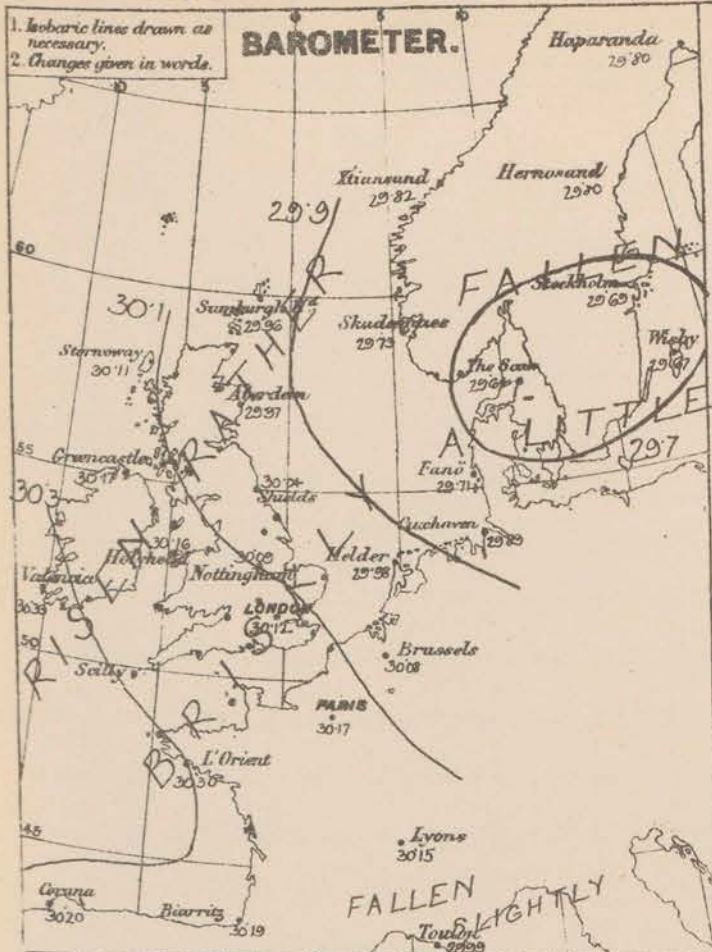
WEATHER.— Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

for 8 a.m. on Saturday 7th JULY 1877.



REMARKS. The depression which lay over the North Sea yesterday has now reached the south of London, where the barometer has fallen somewhat. In our Islands the mercury has risen steadily and is highest off our western coasts. The N^W and NW wind has now spread over the whole of the United Kingdom and nearly all of the North Sea. In force it is generally light but in the Irish Sea it blows freshly. Temperature has decreased considerably in the east and south east. In London it went down to 42° in the shade and 33° on the grass during the night and now stands at 55°. Thunderstorms occurred both over our north western and south eastern counties yesterday as well as at the Danish stations. In many places they were accompanied by heavy showers of hail. In London a storm passed over shortly before 3pm, in which the wind became NW and the thermometer fell several degrees. The sky is still rather cloudy over our Islands but the weather is dry. The sea is moderate in the north and north-west, slight elsewhere.

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

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

R. H. SCOTT.
Director.

Langerfeldt Lth 22 Bedford St. Covent Garden.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JULY 1st to JULY 7th 1877.

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

During this week the actual changes in pressure have been slight, but numerous small local irregularities have occasioned very unsettled weather to prevail over our area. At first the lowest readings were found to the N^W, and the highest to the S^W of these Islands, so that light W^{ly} breezes prevailed, but on the evening of the 5th a large shallow depression appeared lying over Great Britain, and as this passed away E^{ly} the barometer rose, and N^{ly} to NW^{ly} breezes set in. Temperature has been low, the highest reading over the whole country for the week being 75° at Nottingham on the 2nd, while in London on the morning of Saturday the thermometer fell to 42° in the shade, and 33° on the grass. The weather has been cloudy and unsettled, and thunderstorms have been experienced in nearly all parts of the country. Those which were felt in London on the evenings of Monday and Tuesday were very severe in the N^{ly} parts of the Metropolis, to which locality they appear to have been almost wholly confined.

JULY 1st The general decrease of pressure noticed at the close of the previous week continued, and while a large disturbance lay to the NW^{ly} of these Islands, a small local depression had been formed over the S^E of England. Moderate SW^{ly} to W^{ly} breezes prevailed at all the more N^{ly} stations, but in the S the wind was either very variable in direction or circulated round the low pressure over the S^E of England. Temperature had risen in the N and NW, as well as at most of the Continental stations, but had fallen elsewhere quickly over Central England. Heavy rain was falling in the E^{ly} counties, and the sky was generally cloudy in these Islands. During the day both depressions apparently passed on E^{ly}, but the barometer continued to fall slightly in nearly all places. The maximum readings were low for the time of year, the highest being 73° at Nottingham, while in London the thermometer only reached 64°.

JULY 2nd Of the two depressions noted on the previous day the smaller had passed on to N. Germany, while the larger apparently still lay to the N^{ly} of these Islands. The changes in pressure were in all places very slight, and NW^{ly} winds moderate ^{to light} and fresh prevailed over our S^{ly} stations, while NW^{ly} to S^{ly} breezes were reported in the N, and a strong SE^{ly} wind in the W. of Norway. Temperature had fallen at nearly all stations. The change reaching 15° at Paris and the weather was cold. The sky was generally cloudy, with rain in France and the Netherlands. Scarcely any change was shown by the later reports, and the maximum temperatures, though rather higher than on the previous day (75° at Nottingham, and 73° in London) were low for the season. The N^{ly} parts of London were visited in the evening by a severe thunderstorm, the hail accompanying it being exceedingly large and continuous.

JULY 3rd A slight rise of the barometer had occurred over France, and an opposite change of even less importance was reported over these Islands, so that the general distribution was almost identical with that of the previous day. The winds were naturally almost unaltered, a steady W^{ly} current blowing over these Islands, and drawing into SW and S on the E^{ly} shores of the North Sea, and into NW and N over

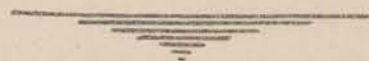
France. The breezes were moderate on all coasts. Temperatures showed little change, and the sky remained cloudy generally. Later reports showed that pressure still remained steady, but the weather had improved somewhat except in London, where a very severe thunderstorm, in which the hail was very heavy, was proceeding.

JULY 4th The highest barometrical readings still existed to the SWth; the lowest to the Nth of these Islands, and over the whole of Wth Europe there was no change of any importance to record. The wind continued light or moderate in force, from W. and east of our coasts, from SW. and S. in Norway, and Denmark, and from various directions in France. Temperature was inclined to decrease in most places. The sky was moderately clear. In the evening the barometer was falling somewhat at the Sth, and rising at the Nth stations. The weather had been showery and cold over the whole Kingdom, and the maximum temperatures had scarcely exceeded 70° at any stations.

JULY 5th Pressure still rose slowly at the Nth stations, where in Ireland, a fresh but very gradual decrease had set in. Readings were uniform over the whole country, and the winds light in force, generally from W. on our coasts, but varying considerably elsewhere. Temperature continued low, and showed very little change from the readings on the previous day. The weather, however, had cleared considerably, and the sky at dawn was clear in nearly all places. In the evening pressure was low and accordingly uniform over these Islands, but slight local disturbances were in our neighbourhood, and the weather was very unsettled, with thunderstorms in almost all parts of the Kingdom. The maximum readings were only 73° at Nottingham, and 70° in London, while elsewhere they were much lower.

JULY 6th The large area of uniformly low readings which lay over the British Isles on the previous evening had moved to Eth over the North Sea and the barometer had risen at all the Wth and Nth stations, while it had fallen on the Eth shores of the North Sea. The wind was Sth in Denmark and N. Germany, but elsewhere had veered a little, and was generally NWth to Nth on our own and the French coasts. With this change of wind temperature had fallen, and during the night the thermometer had descended to 47° in the shade in London, and to 44° in the N. of England. The sky was cloudy, except in Ireland, with rain at the Kildare, and a thunderstorm at Cashaw. During the day pressure continued to increase, except in Scandinavia, and the wind remained Nth with cold showery weather.

JULY 7th The barometer was rising steadily over France, and the British Isles, but in the S. of London, and in Denmark, over which regions the depression from the North Sea was lying, it was falling rather briskly. Nth to NWth breezes were reported from nearly all parts of these Islands, and the North Sea, while in the SW. of France NEth breezes were experienced. Temperature had fallen several degrees in the SE, and during the night the thermometer in the shade in London had fallen to 42°, and that on the grass to 33°. The weather was rather cloudy, and still showery in the N. No change occurred during the day.



DAILY WEATHER REPORT

JULY 8TH 1877.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 ft. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 ft. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda	29.81	58	Z	0	b	29.58	-22	53	52	-1	NE	4	N	*	*	*	0.32	
Härnösand	29.55	53	NE	6	n	29.44	-36	49	48	-12	E NE	4	N	*	*	*	1.14	
Stockholm	29.49	53	W	2	b c	29.41	-28	53	51	0	W	6	0	*	*	*	0.12	
Visby	29.63	54	Z	0	b c	29.64	-03	53	51	-6	W SW	8	N	*	*	*	0.32	
Christiansund	29.85	51	N NE	3	c	29.81	-01	50	46	0	NW	4	0	2	54	45	-	
Skudesnaes	29.74	54	NW	6	o	29.83	+10	54	49	-4	NW	8	0	4	59	54	-	
Oxö (Xtiansund)	29.65	60	W	4	c	?	?	57	52	+2	SW	2	b	1	5	52	-	
Skagen (The Seaw)	29.63	57	NW	4	n	29.71	+07	58	54	+3	NW	3	0	2	64	52	0.04	
Fanö	29.86	55	W	6	b c	29.88	+17	52	50	-3	NW	6	N	*	59	52	0.12	
Cuxhaven	29.97	?	W NW	4	n	29.99	+16	54	53	-4	W SW	4	N	*	?	52	0.27	
Sumburgh Head	30.01	53	N	5	b c	29.99	+03	52	49	+2	SW	2	N	3	56	43	0.02	
Stornoway	30.11	56	NW	2	b	30.06	-05	55	52	+5	W	3	0	4	57	48	0.02	
Thurso	30.08	54	N NW	3	b c	30.02	00	53	51	+3	W NW	3	0	3	59	46	0.06	
Wick	30.08	58	N	2	b	30.04	+03	53	49	0	NW	4	0	2	58	41	0.01	
Nairn	30.10	53	W NW	1	c	30.03	+02	53	49	+2	W	1	0	1	55	46	0.04	
Aberdeen	30.07	54	N	2	c	30.06	+09	55	49	+3	NW	1	c	5	57	42	0.03	
Leith	30.10	53	W SW	1	b c	30.11	+06	52	50	-3	NW	3	c	*	69	45	0.52	
Shields	30.11	55	N NE	3	b c	30.13	+09	57	51	+2	NW	2	c	2	59	46	0.03	
Scarborough	30.09	56	W	1	b	30.15	+11	58	53	-2	S	1	0	1	61	47	-	
York	30.12	52	N NW	2	c	30.19	+13	54	50	0	NW	1	b c	*	62	42	0.37	
Nottingham	30.15	53	W NW	3	c	30.21	+12	58	54	+1	W	2	c	*	69	40	0.02	
Ardrossan	30.13	60	W NW	3	b	30.16	+07	53	50	-1	W NW	1	N	1	61	52	-	
Greencastle	30.20	52	NW	2	n	30.18	+01	53	51	-1	W	1	0	*	58	49	0.07	
Donaghadee	30.20	56	N	4	b	30.21	+06	56	53	+2	NW	4	c	3	60	50	0.05	
Kingstown	30.25	57	NW	3	c	30.28	+07	54	50	+2	W NW	4	c	4	57	50	0.04	
Holyhead	30.22	58	W NW	4	c	30.26	+10	55	52	+1	W NW	5	0	1	61	52	-	
Liverpool (Bidston)	30.17	57	W	5	b	30.21	+10	54	50	0	W	4	0	4	58	51	0.01	
Valencia	30.36	58	N NW	3	c	30.36	+03	56	52	-2	W	3	0	4	62	49	-	
Roche's Point	30.32	59	N	2	b	30.35	+06	57	52	+3	N NW	2	b c	3	64	48	-	
Pembroke	30.25	58	W NW	1	b	30.30	+08	55	51	+2	NW	1	b	1	58	53	-	
Portishead	30.21	59	W NW	5	b c	30.26	+11	56	52	0	W	2	b c	2	65	49	-	
Scilly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth	30.25	60	NW	4	b	30.31	+10	60	55	+1	NW	1	b	*	68	45	-	
Hurst Castle	30.17	64	N NW	3	b c	30.28	+12	61	55	+1	N NW	2	b	2	66	45	-	
Dover	30.13	57	E	1	c	30.21	+11	60	54	-1	N NW	2	b	1	63	49	0.54	
London	30.12	65	NW	2	b c	30.23	+11	56	50	+1	NW	2	b c	*	66	41	0.04	
Oxford	...	...	...	...	...	30.23	+10	57	52	+2	W NW	1	c	*	65	42	0.04
Cambridge	30.14	57	N	2	c	30.21	+10	56	53	+3	NW	1	b c	*	67	45	-	
Yarmouth	30.11	55	S	1	b	30.18	+12	56	53	0	NW	2	b c	2	60	45	0.11	
The Helder	...	...	...	...	...	30.10	+12	57	53	-2	NW	2	b c	*	*	*	0.12
Cape Gris Nez	30.15	57	W SW	3	c	30.22	+09	55	52	-2	NW	2	b	2	63	50	0.06	
Jersey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brest	30.38	70	N	3	b	30.42	+10	59	57	0	N NW	2	b	2	?	48	-	
L'Orient	30.27	63	N	4	b	30.40	+10	55	52	-2	NE	2	b	2	70	48	-	
Rochefort	30.21	68	NW	4	b	30.26	+03	63	49	+2	NE	4	b	3	68	52	-	
Biarritz	30.16	73	N NW	4	o	30.23	+04	57	55	-7	N NE	1	0	3	?	54	0.59	
Corunna	...	...	...	...	...	30.23	+03	66	*	+2	E	9	b	7	*	*	*
Brussels	...	...	...	...	...	30.18	+10	53	*	0	SSW	1	b c	*	*	*	0.33
Charleville	...	...	...	...	...	30.13	+11	54	*	+2	NE	3	b c	*	*	*	*
Paris	30.16	63	N NW	4	b c	30.25	+08	57	*	-1	NW	2	b	*	*	*	-	
Lyons	...	...	...	...	...	30.18	+03	67	*	-2	N	6	0	*	*	*	*
Toulon	29.99	73	W NW	5	b c	29.99	00	70	59	-9	W	5	c	4	84	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	29.73	57	53	NW	6	0	Valencia	30.37	61	55	NW	3	b c 3
Thurso	30.07	56	51	N NW	4	c	Scilly	...	...	...	...	...	...
Scarborough	30.08	58	50	N	3	c	London	30.12	64	55	NW	3	c p *
Greencastle	30.18	55	51	NW	2	0	Rochefort	30.23	66	59	NW	4	b 3
Holyhead	30.20	58	53	NW	5	b c							

No important change

EXPLANATION OF COLUMNS.

WEATHER.—Beaufort scale is, b. blue sky; a. 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.

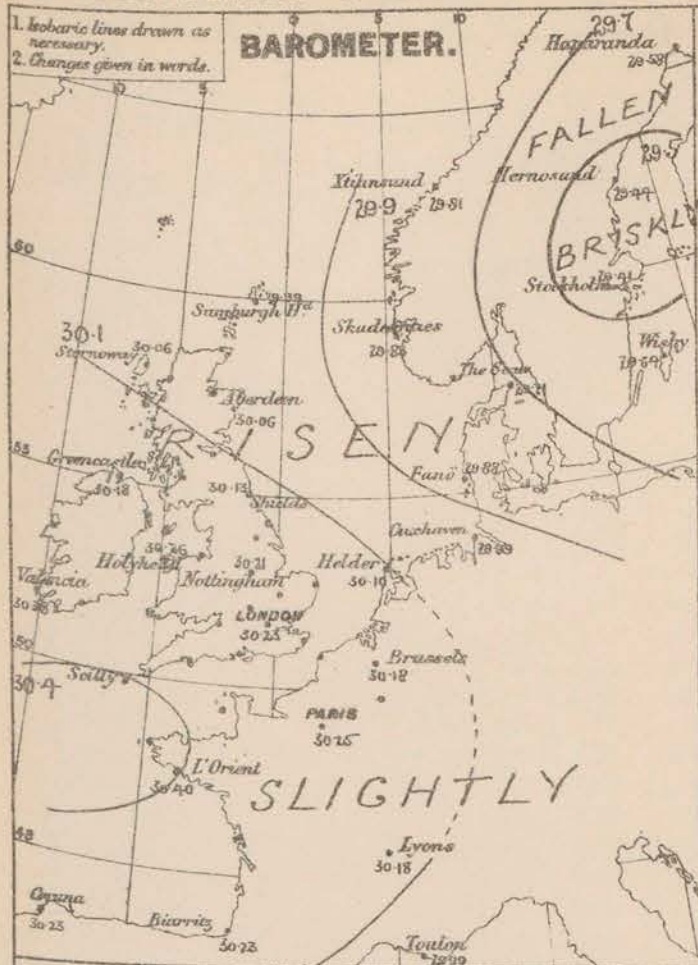
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 JULY 8th 1877.

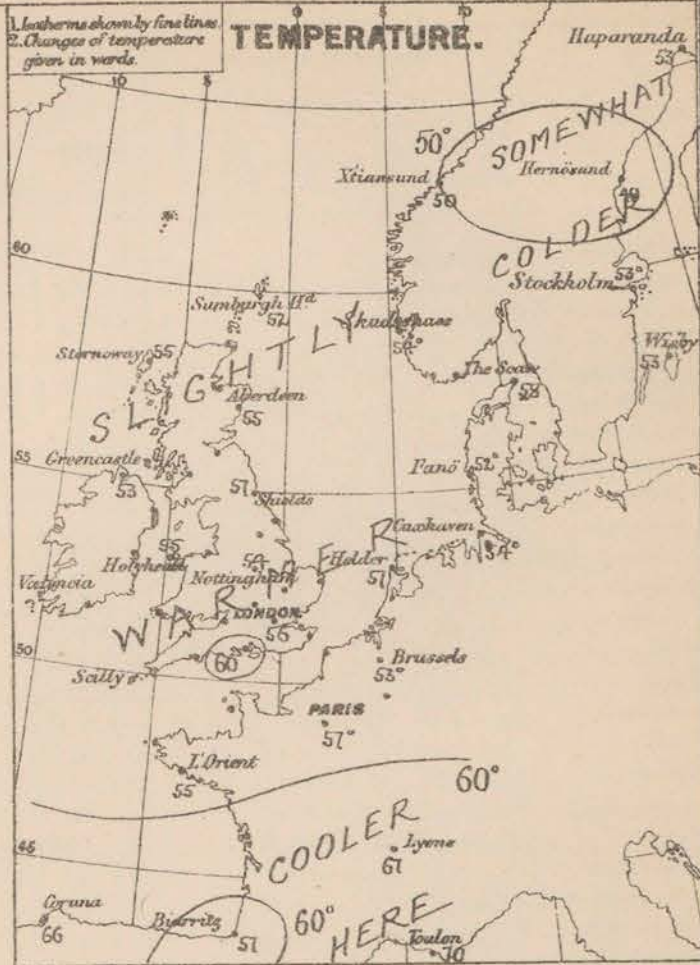
1. Isobars lines drawn as necessary.
2. Changes given in words.

BAROMETER.



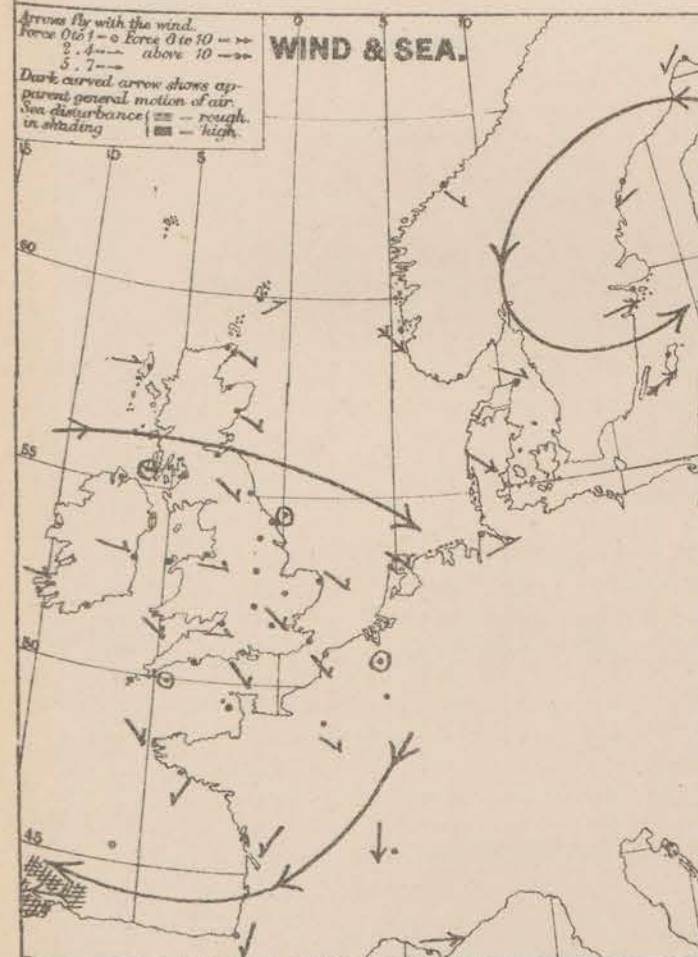
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



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

The barometer has again risen slightly over nearly the whole of our islands and France; but in the extreme NW. of Scotland the mercury has commenced to fall again. The depression which was formed over the S. parts of Scandinavia yesterday has now passed on to the Gulf of Bothnia, and has become much deeper in its transit. Readings vary from 30.4 at the mouth of the Channel, to 29.4 in. at Stockholm. In Norway and Sweden the wind circulates round the depression noticed above, and blows a moderate gale from NW at Stockholm and WSW at Stockholm, but over our islands and France light NW breezes still prevail, while in the Bay of Biscay the wind is E. A freshening gale from E is reported. Temperature is low generally. In London it went down to 41° in the shade, and to freezing point in the grass during the night. The sky is clear over France, and the S. of England, but elsewhere a good deal of cloud prevails, and rain is falling in the neighbourhood of the depression. Thunderstorms occurred over England yesterday. The sea is high off Cornwall, but is little disturbed elsewhere.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JULY 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.	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	29.55	59	Z	0	c	29.48	-10	55	53	+2	E	2	h	*	*	*	0.51	
Hernösand	29.50	52	W N W	2	c	29.69	+25	53	49	+4	W N W	4	c	*	*	*	0.28	
Stockholm	29.66	55	W N W	4	b	29.80	+39	59	51	+6	W N W	2	h	*	*	*	-	
Wisby	29.76	54	W	8	o	29.89	+25	54	52	+1	W S W	6	h	*	*	*	0.12	
Christiansund	29.87	50	N N W	2	h	29.92	+09	50	47	0	SE	1	h c	2	54	43	1.02	
Skudesnaes	29.94	52	W N W	4	b c	29.94	+11	54	59	0	W	2	h	2	54	52	-	
Oxö (Xtiansand)	29.80	58	N W	5	e	29.86	+05	54	47	-3	W N W	4	h	3	68	48	-	
Skagen (The Seaw)	29.79	57	N W	5	b	29.84	+13	56	50	-2	W N W	6	h	5	68	50	-	
Fanö	30.00	54	W N W	6	c	30.00	+12	62	58	+10	W S W	4	h c	*	63	52	0.04	
Cuxhaven	30.08	?	N N W	5	h	30.13	+14	56	54	+2	W S W	4	c	*	?	50	0.14	
Sumburgh Head	29.98	52	W	2	c	29.84	-15	53	52	+1	S	4	o	3	58	48	0.12	
Stornoway	29.98	56	S W	3	h	29.91	-15	56	55	+1	W	3	o	4	60	51	0.19	
Thurso	29.99	56	W	1	o	29.87	-15	53	52	+0	?	4	o	3	?	52	0.24	
Wick	29.98	54	W	1	o	29.88	-16	55	54	+2	W	1	o	0	57	51	0.20	
Nairn	30.04	56	W	1	b c	29.91	-17	59	54	+6	W	2	h c	2	60	53	0.10	
Aberdeen	30.04	57	Z	0	e	29.89	-17	61	57	+6	N W	1	c	1	61	52	0.12	
Leith	30.10	58	W N W	2	c	29.97	-14	59	56	+7	W	5	c	*	61	51	0.13	
Shields	30.15	56	W N W	3	o	30.05	-08	59	55	+2	W	7	o g	2	59	53	0.23	
Scarborough	30.16	55	W N W	1	o	30.14	-04	56	55	-2	W S W	2	o	2	59	54	0.27	
York	30.19	56	W	1	o	30.17	-02	55	54	+1	W S W	2	h	*	62	50	0.26	
Nottingham	30.24	60	N W	4	c	30.25	+04	56	55	-2	S W	3	h	*	66	48	0.09	
Ardrossan	30.16	56	W N W	3	c	30.04	-12	56	55	+3	S W	3	h	3	61	53	0.55	
Greencastle	30.17	56	W	2	h	30.04	-14	58	57	+5	W	2	h	*	61	52	0.09	
Donaghadee	30.21	55	W	4	h	30.11	-10	56	56	0	W	3	o	2	64	53	0.14	
Kingstown	30.28	59	W N W	5	o	30.24	-04	59	54	+5	W	4	c	0	60	52	-	
Holyhead	30.27	56	W S W	3	o	30.24	-02	57	55	+2	S W	5	o	4	62	55	0.01	
Liverpool (Bidston)	30.34	56	W	5	o	30.22	+01	58	54	+4	W S W	3	o	?	?	44	-	
Valencia	30.35	59	W S W	3	c	30.30	-06	61	57	+4	S W	5	c	5	62	56	-	
Roche's Point	30.35	60	W N W	3	e	30.32	-03	60	57	+3	W S W	3	h c	3	63	53	0.02	
Pembroke	30.33	57	W N W	3	c	30.33	+03	58	55	+3	W	2	h c	2	58	54	-	
Portishead	30.28	59	W	4	c	30.32	+06	60	57	+4	W	4	o	4	64	52	0.01	
Seilly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth	30.34	61	N W	2	h	30.38	+07	57	54	-3	S W	1	h c m	*	67	46	-	
Hurst Castle	30.28	63	N W	3	o	30.36	+08	59	56	-2	W N W	3	c	3	67	49	-	
Dover	30.26	60	W N W	2	h c	30.32	+11	66	58	+6	S W	3	h	1	66	53	0.01	
London	30.25	60	W	2	o p	30.31	+08	58	54	+2	S W	2	o	*	63	47	0.02	
Oxford	...	...	...	...	...	30.28	+05	60	55	+3	S W	3	o	*	65	49	0.01
Cambridge	30.25	59	N W	1	o	30.27	+06	56	54	0	S W	1	o	*	63	49	0.01	
Yarmouth	30.20	55	S S E	2	c	30.25	+07	55	53	-1	W	2	h	2	57	47	0.11	
The Helder	...	...	...	...	...	30.18	+08	59	55	+2	W S W	3	c	*	*	*	0.04
Cape Gris Nez	30.25	59	W S W	4	o	30.34	+12	57	54	+2	W N W	2	h c	1	64	54	-	
Jersey	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brest	30.47	70	N	2	h	30.51	+09	59	54	0	Z	0	h	1	?	48	-	
L'Orient	30.39	63	N N W	3	c	30.48	+08	57	54	+2	N E	1	h	1	68	48	-	
Rochefort	30.30	68	N W	3	h	30.41	+15	63	57	0	E N E	3	h	3	72	54	-	
Biarritz	30.28	72	N N W	4	h c	30.34	+11	63	61	+6	E N E	1	h	3	?	54	-	
Corunna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels	...	...	...	...	...	30.31	+13	57	*	+4	S W	3	o	*	*	*	0.16
Charleville	...	...	...	...	...	30.26	+13	53	*	-1	W	3	c	*	*	*	*
Paris	30.29	63	N W	4	h	30.41	+16	60	*	+3	W	1	h	*	*	*	-	
Lyons	...	...	...	...	...	30.36	+18	63	*	-4	N	7	h	*	*	*	*
Toulon	30.00	72	N W	6	h	30.16	+17	61	50	-9	N N W	6	h	6	77	?	0.04	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	29.90	54	49	N W	6	h c	4	Valencia	...	...	...	...	...
Thurso	Seilly	...	...	...	...	...
Scarborough	London	...	...	...	...	...
Greencastle	*	Rochefort	30.28	66	59	N W	4
Holyhead						

EXPLANATION OF COLUMNS.

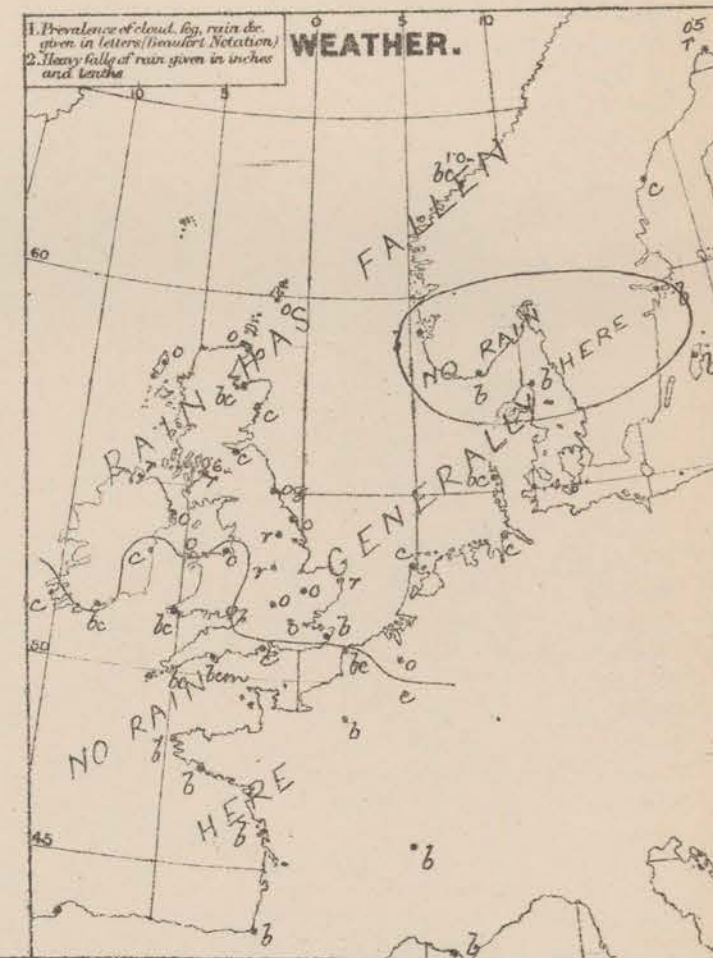
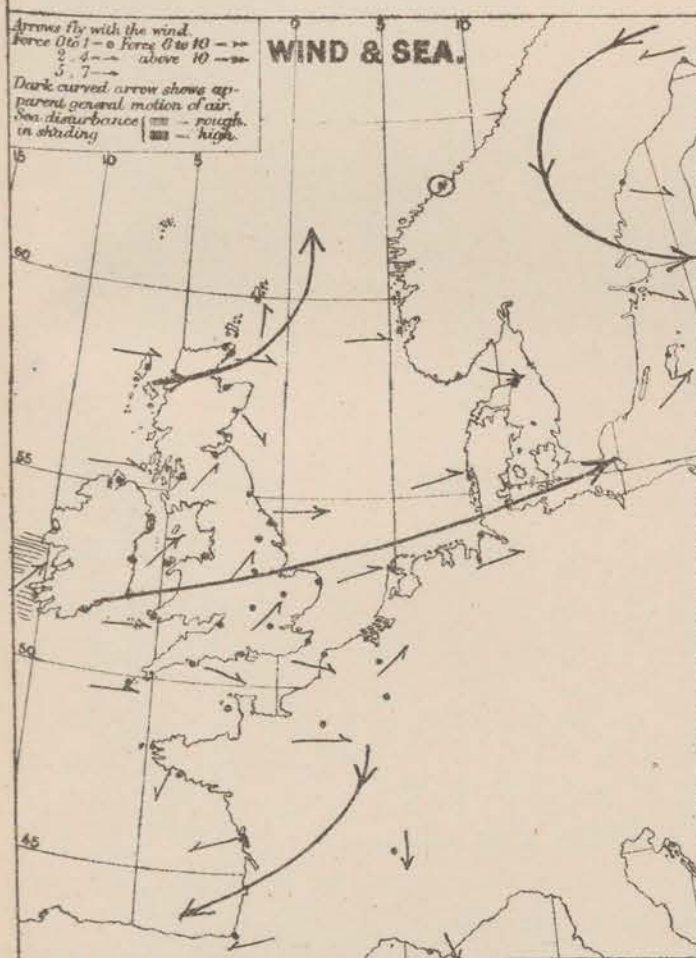
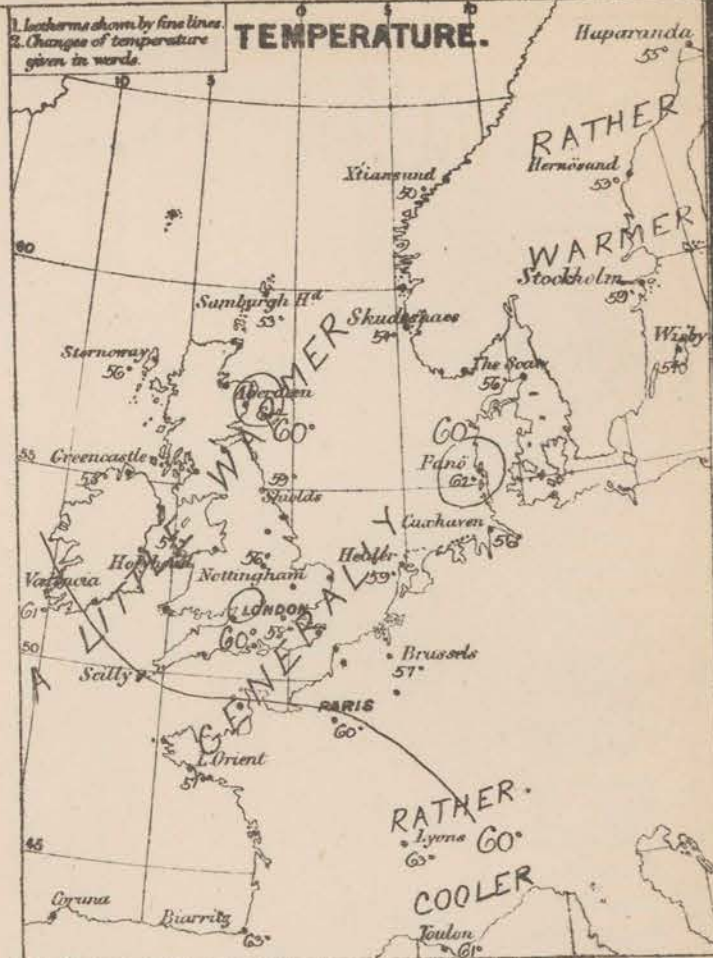
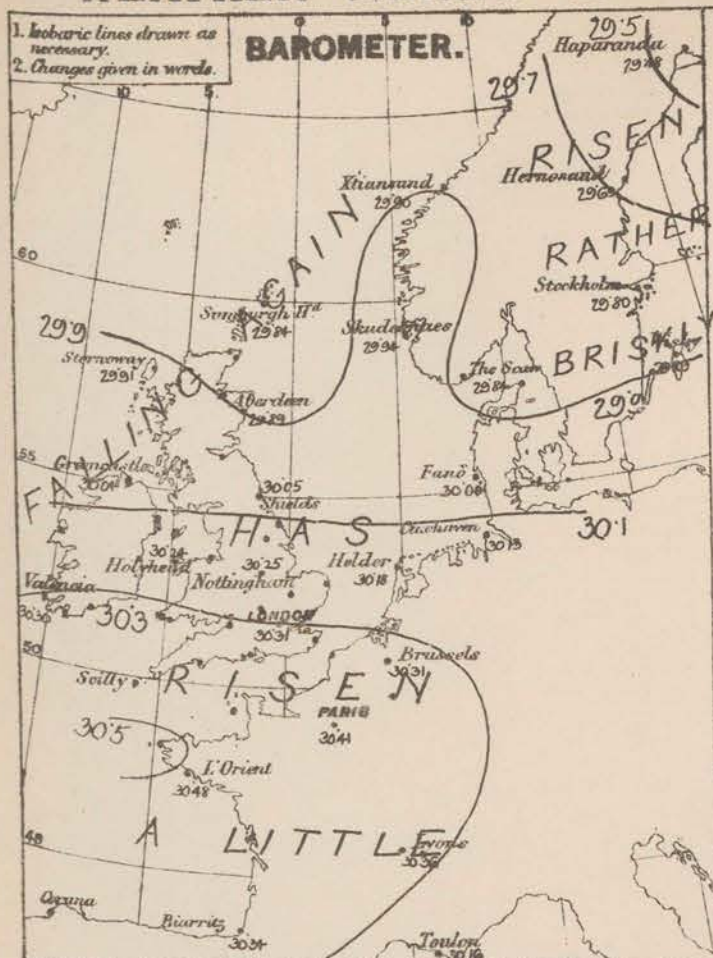
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m. on Monday 9th JULY 1877.*



REMARKS. During the past 48 hours the disturbance which prevailed at the close of last week has travelled away to Finland; but notwithstanding the continued rise of the barometer, on our southern coasts there are further disturbances approaching our northern coasts, which appear to be travelling in an E^{ly} or SE^{ly} direction. The gradients for W^{ind} over our Islands are gradually becoming attempes, and the wind is freshening from that quarter at many of our western and northern stations, so that at Shields we have a moderate gale reported at 8 am today. Temperature has risen several degrees over England. In London it did not go below 47° in the darkest night, which is 6° less cold than it was on the previous night, and this morning it stands at 58°. A good deal of rain has fallen in the north of our Islands, and some showers in several other places. The sky is now overcast except in France and on the eastern shores of the North Sea, and the weather shows no signs of becoming settled. The sea is moderate in the west, smooth or nearly so on our south and east coasts.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand NY per ^{month} quarter, book post 5/- per quarter.

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

R. H. SCOTT.
Director.

DAILY WEATHER REPORT JULY 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 ...	29.74	51	NW	2	c	29.87	+39	54	49	-1	Z	0	c	*	*	*		
Hernösand ...	29.84	56	Z	0	b	29.89	+20	55	50	+2	WNW	2	b	*	*	*		
Stockholm ...	29.87	58	SW	2	e	29.89	+09	59	55	0	W	2	o	*	*	*		
Wisby ...	29.89	54	WNW	4	b	29.94	+05	56	53	+2	WNW	2	b	*	*	*		
Christiansund ...	29.92	53	ENE	1	c	29.86	-04	53	49	+3	SE	1	o	1	55	43		
Skudesnaes ...	29.93	53	Z	0	b	29.91	-03	57	55	+3	SE	4	n	3	58	42		
Oxö (Xtiansand) ...	29.90	57	SW	6	b	29.93	+07	56	51	+2	WSW	4	c	3	61	48		
Skagen (The Sæw) ...	29.93	56	WNW	3	b	29.95	+11	57	54	+1	WSW	3	c	1	66	46		
Fanö ...	29.91	57	WSW	4	c	29.98	-02	59	56	-3	W	4	c	*	63	55	0.08	
Cuxhaven ...	29.99	?	NW	4	n	30.08	-05	63	61	+7	NW	4	b	*	?	54	0.28	
Sumburgh Head ...	29.87	53	WNW	4	m	29.72	-12	53	52	0	SE	6	n	5	56	49	0.11	
Stornoway ...	29.92	62	W	3	e	29.61	-30	57	56	+1	SSW	7	n	6	63	53	0.05	
Thurso ...	29.93	56	NW	2	b	29.67	-20	60	58	+7	S	2	o	2	61	52	0.08	
Wick ...	29.94	58	SW	1	o	29.69	-19	56	55	+1	SE	2	n	0	62	50	0.03	
Nairn ...	29.93	68	W	1	b	29.74	-17	64	58	+5	W	6	b	3	70	58	0.02	
Aberdeen ...	29.94	59	SE	1	b	29.79	-20	63	60	+2	SW	2	e	2	66	53		
Leith ...	30.00	61	W	3	e	29.88	-09	65	61	+6	W	4	e	*	68	58	0.04	
Shields ...	30.04	62	W	4	o	30.02	-03	64	60	+5	WSW	1	o	1	64	59	0.04	
Scarborough ...	30.05	58	WSW	3	a	30.06	-05	65	61	+9	WSW	3	c	2	68	56	0.13	
York ...	30.14	60	W	5	o	30.10	-07	62	59	+7	WSW	4	b	*	64	53	0.15	
Nottingham ...	30.21	61	SW	4	o	30.17	-08	70	64	+14	SSW	5	e	*	70	55	0.10	
Ardrossan ...	30.05	59	WNW	2	o	29.95	-09	58	56	+2	SW	4	o	3	60	55	0.02	
Greencastle ...	30.04	61	W	2	o	29.86	-18	60	59	+2	SW	3	o	*	62	57	0.02	
Donaghadee ...	30.10	61	WSW	4	o	29.99	-12	62	56	+6	SW	5	o	4	62	56		
Kingstown ...	30.21	65	W	4	o	30.10	-14	62	67	+3	W	4	c	3	66	58		
Holyhead ...	30.20	59	SW	4	o	30.13	-11	58	56	+1	SW	5	o	4	60	56	0.07	
Liverpool (Bidston) ...	30.18	60	SW	3	o	30.12	-10	61	57	+3	WSW	5	c	4	65	59		
Valencia ...	30.26	62	SW	5	e	30.13	-17	60	59	-1	SSW	6	o	5	65	59		
Roche's Point ...	30.29	65	WSW	4	b	30.19	-13	62	59	+2	SW	4	c	3	68	57		
Pembroke ...	30.29	61	WSW	4	b	30.23	-10	60	58	+2	WSW	2	b	3	62	58		
Portishead ...	30.29	61	WSW	5	o	30.24	-08	62	59	-2	WSW	4	b	4	66	57		
Seilly ...	30																	
Plymouth ...	30.34	64	WSW	3	o	30.30	-08	61	58	+4	SW	1	c	*	66	51		
Hurst Castle ...	30.30	62	WSW	4	o	30.28	-08	62	60	+3	W	4	b	4	63	49		
Dover ...	30.24	60	WSW	4	b	30.24	-08	63	58	-3	W	3	b	1	67	55		
London ...	30.26	66	WSW	2	o	30.24	-07	64	59	+6	W	2	b	*	69	53		
Oxford ...	*	*	*	*	*	30.22	-06	63	59	+3	SW	2	o	*	69	55		
Cambridge ...	30.21	65	SW	2	o	30.20	-07	66	63	+10	SW	2	b	*	68	55	0.05	
Yarmouth ...	30.19	62	W	3	b	30.17	-08	62	59	+7	W	3	b	2	63	52	0.06	
The Helder ...	*	*	*	*	*	30.13	-05	60	58	+1	W	2	e	*	*	*	0.08	
Cape Gris Nez ...	30.29	59	WSW	5	e	30.26	-08	61	57	+4	WSW	3	o	2	63	7		
Jersey ...																		
Brest ...	30.49	70	N	2	b	30.45	-06	59	57	0	SE	1	b	1	68	50		
L'Orient ...	30.42	63	NW	3	b	30.38	-10	57	54	0	E	2	b	2	7	50		
Rochefort ...	30.33	72	NW	4	b	30.31	-10	68	61	+5	E	3	b	3	75	50		
Biarritz ...	30.23	75	ENE	3	b	30.22	-12	68	61	+5	ENE	3	b	3	81	57		
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.25	-06	60	*	+3	SW	1	o	*	*	*	0.04	
Charleville ...	*	*	*	*	*	30.22	-04	56	*	+3	SSW	3	c	*	*	*	*	
Paris ...	30.33	68	WNW	3	b	30.34	-07	62	*	+2	W	2	b	*	*	*	*	
Lyons ...	*	*	*	*	*	30.31	-05	66	*	+3	SE	2	o	*	*	*	*	
Toulon ...	30.21	75	W	3	b	30.25	+09	72	59	+11	NW	2	b	3	81	57		

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.93	58	50	WSW	2	b	2	Valencia	30.28	65	60	SW	6	c	6
Thurso	29.92	56	52	WNW	4	o	4	Seilly							
Scarborough ...	30.10	57	55	WSW	4	n	2	London	30.29	67	58	SW	3	o	*
Greencastle ...	30.04	61	59	W	2	o	*	Rochefort ...	30.39	75	63	ENE	3	b	3
Holyhead	30.23	57	56	SW	5	n	4								

The barometer has begun to rise again in the N. but a fresh fall has commenced this afternoon at Valencia where the wind is blowing strongly from SW, with cloudy weather and a rough sea. The weather generally remains very unsettled.

EXPLANATION OF COLUMNS.

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

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

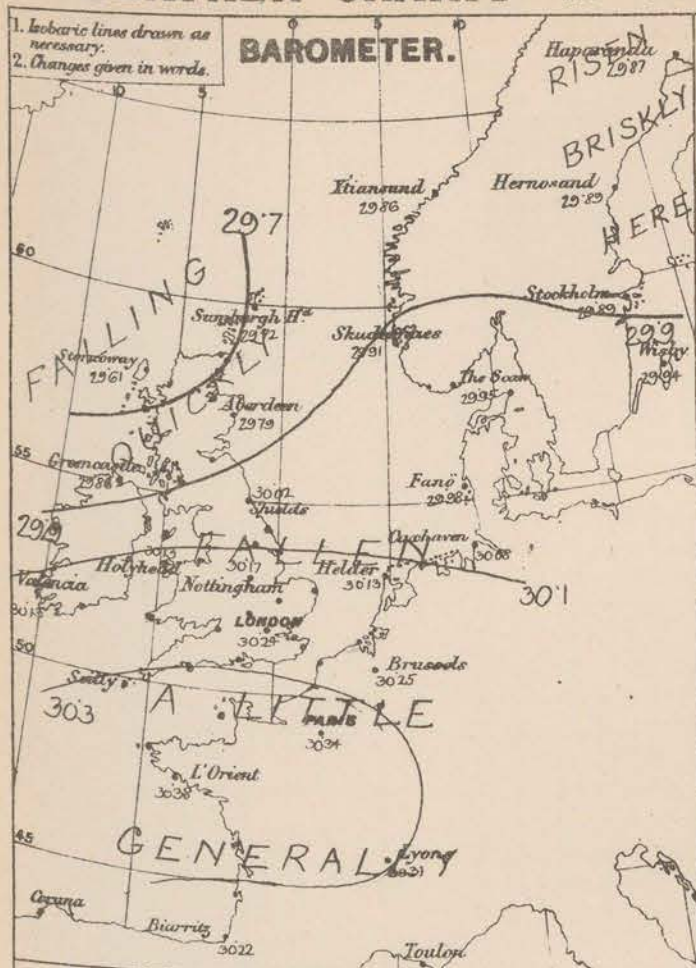
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 10th JULY 1877.

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

BAROMETER.



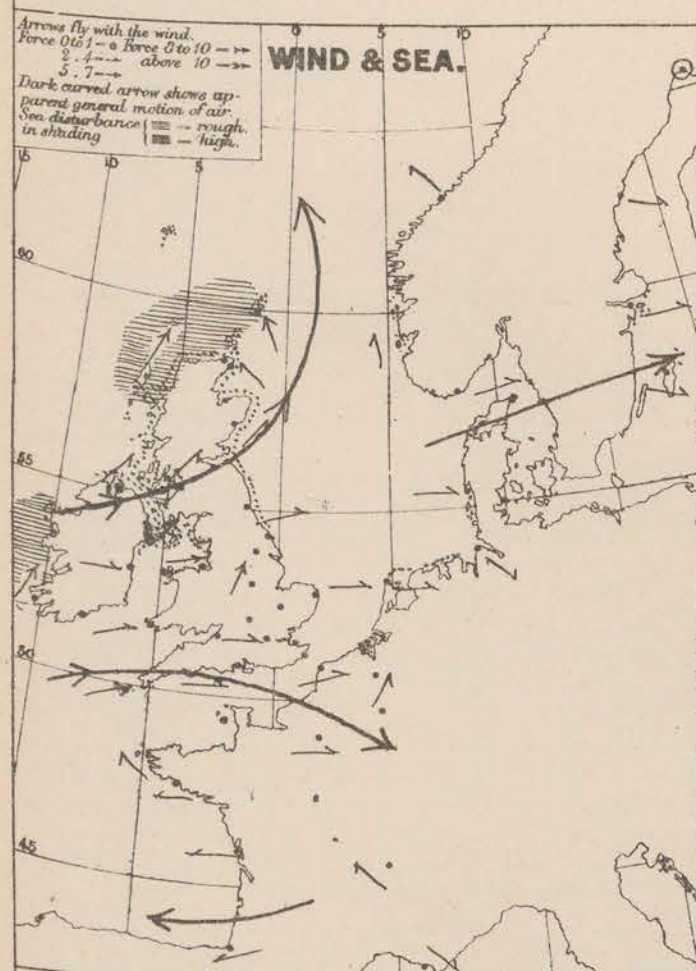
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



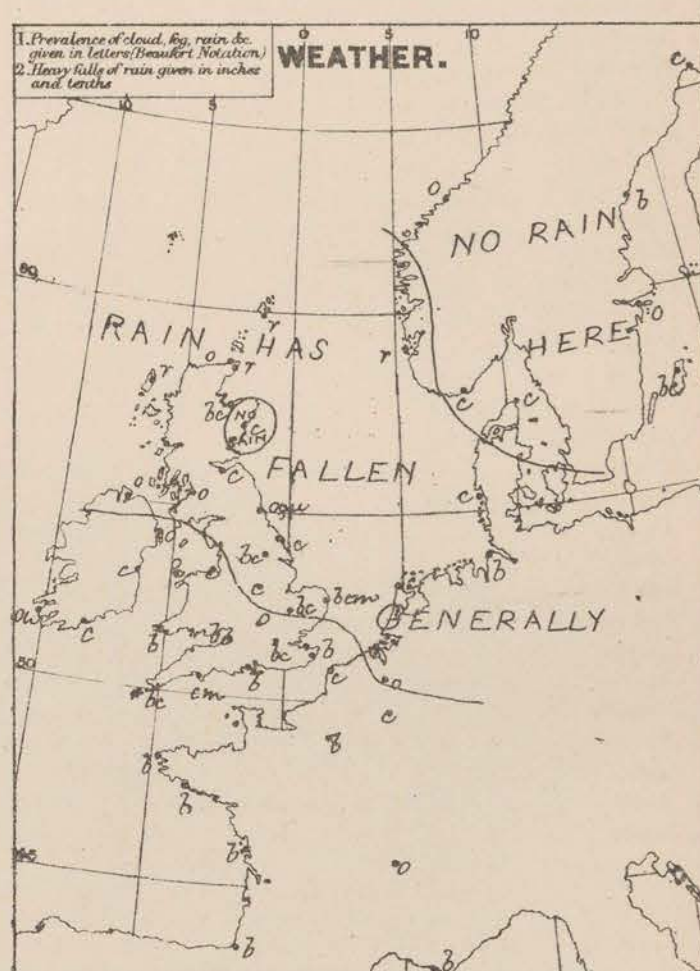
1. Force 0 to 10
 2. Force 10 to 20
 3. Force 20 to 30
 4. Force 30 to 40
 5. Force 40 to 50
 6. Force 50 to 60
 7. Force 60 to 70
 8. Force 70 to 80
 9. Force 80 to 90
 10. Force 90 to 100
- Dark curved arrow shows apparent general motion of air.
Sea disturbance: rough in shading, high in solid.

WIND & SEA.



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

WEATHER.



REMARKS.

The fall of the barometer which had commenced at Valentia yesterday, afternoon proves to have been caused by a rather deep depression, whose centre is now advancing quickly towards our northern coasts from the Atlantic. At all our north western stations the barometer is falling very briskly, but in the south east it is scarcely changing. Light to moderate W. winds are still felt on the southern and south eastern coasts, but in the west and north the wind is freshening from the SW, and at Stromway it is already blowing a moderate gale. At Rumburgh H. the wind is strong from SSE, and in the west of Norway it is light from the same quarter. Temperature has risen very generally and is now about its average value over St. Britain, but rather below it in Ireland. Rainy weather prevails in Scotland, and cloudy weather in Ireland and the north of England. In the south and south east it is clear and fine at present. The sea is rough in the north and rather so in the extreme west, moderate in the Channel and smooth along our east coasts. Warnings issued to all our more northern coasts this morning.

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

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

R. H. SCOTT,
Secretary.

Langerfeld Lith 22 Bedford St. Covent Garden.

DAILY WEATHER REPORT

JULY 11th 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*	*	*		
Skudesnaes ...														*	*	*		
Oxö (Tjörnön) ...														*	*	*		
Skagen (The Head) ...	29.93	59	W	2	0	29.85	-1.0	58	58	+1	W S W	3	2	1	66	54	-	
Fanö ...	29.99	59	W S W	4	e	29.92	-0.6	62	60	+3	W S W	4	0	*	64	59	-	
Cuxhaven ...	30.11	9	N W	4	0	30.03	-0.8	62	60	-1	S W	2	0	*	?	59	0.01	
Sumburgh Head ...	29.52	55	S W	7	b	29.46	-2.6	50	50	-3	W S W	8	2	4	56	40	0.18	
Stornoway ...	29.62	55	W S W	9	e	29.71	+1.0	53	51	-4	W	6	c q p	6	61	48	0.16	
Thurso ...	29.62	59	S W	5	e	29.65	-0.2	57	51	-3	W	6	c q	5	69	50	-	
Wick ...	29.63	58	W	6	b c	29.66	-0.3	55	50	-1	W	4	b c	2	66	49	0.01	
Nairn ...	29.69	60	W	4	b c	29.75	+0.1	55	50	-9	W	2	e	2	68	51	-	
Aberdeen ...	29.69	66	W S W	3	b c	29.77	+0.2	58	50	-5	W N W	1	e	2	69	50	-	
Leith ...	29.82	60	W	5	e	29.83	+0.0	58	53	-7	W	4	0	*	70	51	0.01	
Shields ...	29.97	64	W S W	6	0	29.96	-0.0	59	52	-5	W	2	e	0	65	54	-	
Scarborough ...	29.98	64	S W	4	e	29.99	-0.7	64	56	-1	W	3	e	2	69	58	-	
York ...	30.02	64	W S W	3	e	30.01	-0.9	59	54	-3	W	2	0	*	70	55	-	
Nottingham ...	30.08	69	S S W	5	0	30.06	-1.1	63	48	-7	S W	4	0	*	79	58	0.03	
Ardrossan ...	29.90	59	S W	3	0	29.93	-0.2	56	51	-2	S W	3	c m	2	62	53	0.01	
Greencastle ...	29.90	60	W	4	e	29.94	+0.8	55	52	-5	W	3	e	*	64	50	0.27	
Donaghadee ...	30.00	58	W	4	b	30.00	+0.1	56	54	-6	W	4	0	3	64	50	0.02	
Kingstown ...	30.02	66	W	4	e	30.09	-0.1	57	52	-5	W N W	4	e	3	67	55	-	
Holyhead ...	30.05	58	S W	6	m	30.07	-0.6	56	52	-2	W	3	0	3	63	54	0.01	
Liverpool (Bidston) ...	30.04	61	S W	5	0	30.05	-0.7	57	52	-4	W	5	0	4	65	56	-	
Valencia ...	30.12	59	W N W	4	0	30.16	+0.3	55	53	-5	N W	3	0	4	63	51	0.16	
Roche's Point ...	30.12	61	W S W	4	e	30.14	-0.5	56	55	-6	W N W	3	e	3	64	54	-	
Pembroke ...	30.16	61	S W	3	0	30.12	-1.1	58	55	-2	N W	1	e	2	64	57	0.03	
Portishead ...	30.17	63	W S W	3	b c	30.08	-1.6	62	60	0	W S W	4	0	3	69	56	-	
Scilly ...																		
Plymouth ...	30.22	64	S W	4	e	30.14	-1.6	62	59	+1	W	0	0 m	*	71	55	-	
Hurst Castle ...	30.20	63	W S W	4	b c	30.13	-1.5	62	60	0	W S W	3	0	3	64	56	-	
Dover ...	30.17	61	W S W	4	b	30.10	-1.4	65	61	+2	S W	3	b	2	66	57	-	
London ...	30.14	74	W	3	b c	30.10	-1.4	61	57	-3	W	2	0	*	78	53	-	
Oxford ...	*	*	*	*	*	30.08	-1.4	60	58	-3	S S W	1	0	*	74	54	-	
Cambridge ...	30.11	69	S W	1	e	30.06	-1.4	62	60	-4	S W	1	0	*	76	52	-	
Yarmouth ...	30.08	73	W S W	3	b	30.05	-1.2	65	62	+3	W N W	3	b c	2	74	52	-	
The Helder ...	*	*	*	*	*	30.03	-1.0	63	60	+3	S W	2	b c	*	*	*	-	
Cape Gris Nez ...	30.19	57	W S W	4	b	30.13	-1.3	59	57	-2	S W	3	0	2	64	57	-	
Jersey ...																		
Brest ...	30.35	70	N	2	b	30.26	-1.9	59	55	0	N E	1	b c	2	?	48	-	
L'Orient ...	30.27	68	W N W	2	b	30.20	-1.8	59	55	+2	E	2	b c	2	73	52	-	
Roche fort ...	30.19	72	N W	2	b	30.12	-1.9	70	63	+2	E	3	0	3	88	54	-	
Biarritz ...	30.27	?	E N E	3	b	30.06	-1.6	72	66	+4	S S E	2	e	3	90	64	0.04	
Corunna ...	*	*	*	*	*	30.03	-1.1	66	*	-4	W	0	e	1	*	*	*	
Brussels ...	*	*	*	*	*	30.12	-1.3	60	*	0	S W	3	b	*	*	*	*	
Charleville ...	*	*	*	*	*	30.10	-1.2	63	*	+7	S E	3	b	*	*	*	*	
Paris ...	30.23	73	N W	2	b	30.16	-1.8	65	*	+3	N	1	b	*	*	*	*	
Lyons ...	*	*	*	*	*	30.16	-1.5	68	*	+2	N E	2	b	*	*	*	*	
Toulon ...	30.13	72	N W	6	b	30.14	-1.1	73	59	+1	E	3	b	3	81	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.83	55	53	SSE	8	2	5	Valencia	30.11	60	60	WSW	4	0 d	4
Thurso	29.52	67	59	SW	6	b c q	4	Scilly							
Scarborough ...	30.01	65	60	WSW	2	0	2	London	30.18	73	62	W	2	b	*
Greencastle ...	29.87	60	57	W	4	0	*	Roche fort ...	30.24	73	64	NW	3	b	3
Holyhead	30.08	62	59	SW	6	e	4								

The depression continues to advance towards our N. coast and the mercury still falls over Great Britain though it is now recovering slowly in Ireland. The S.W. wind is strong at Thurso and Holyhead.

EXPLANATION OF COLUMNS.

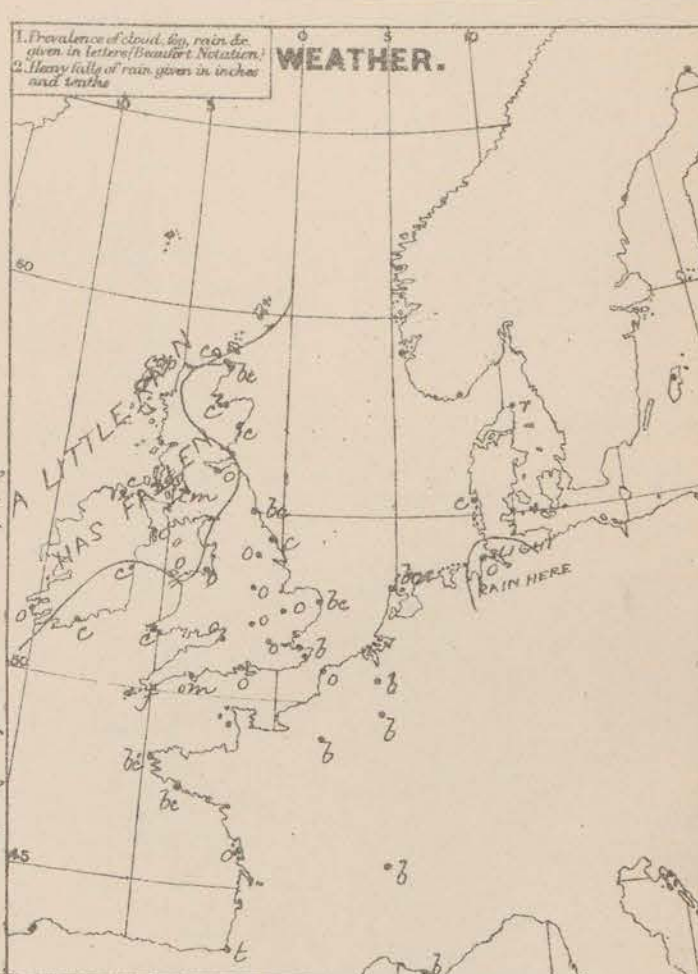
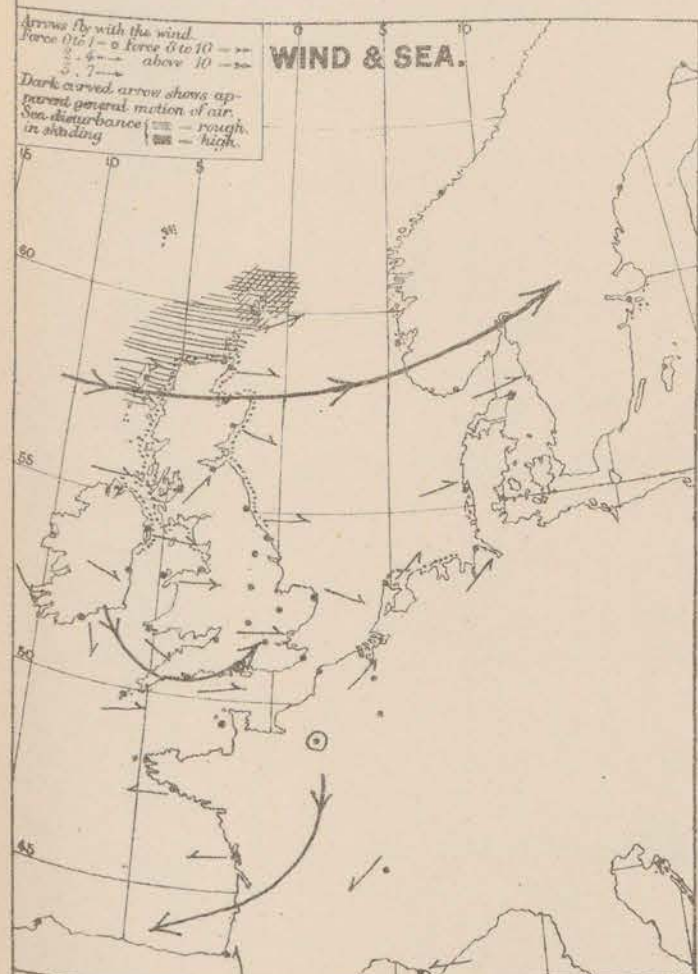
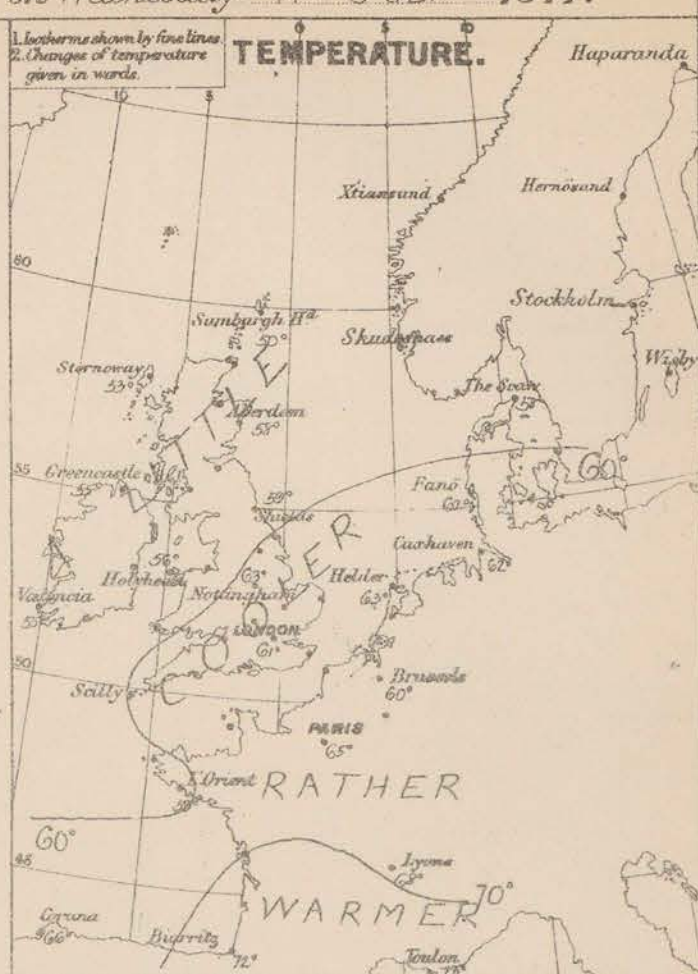
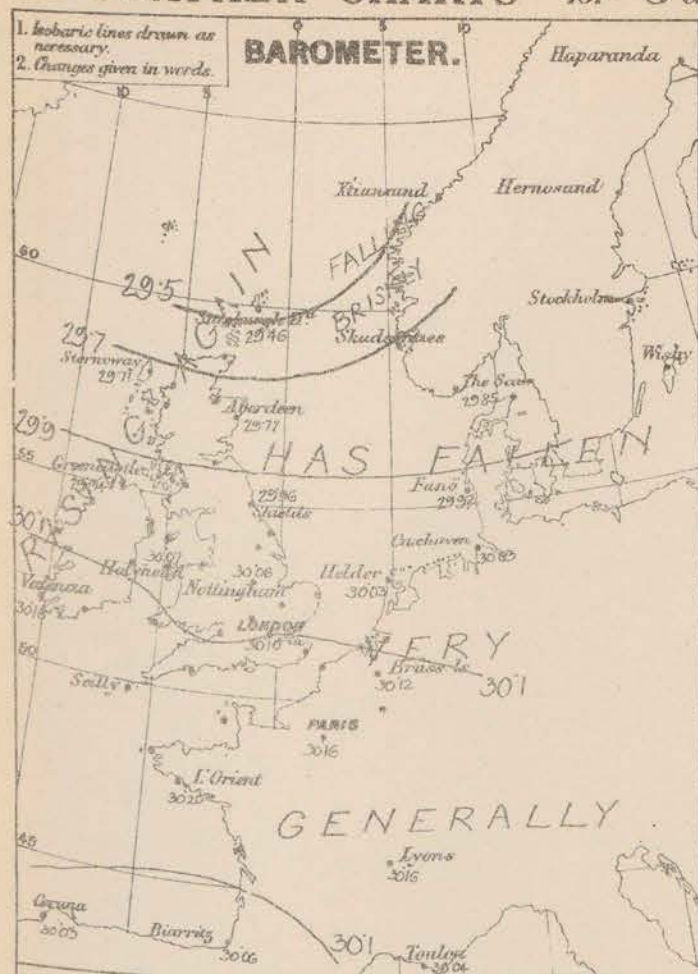
WEATHER.—Beaufort Scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m. on Wednesday 11TH JULY 1877.*



Note A dotted line is drawn round the crabs on which the swimming crabs are still flying.

REMARKS. The area of low pressure which was advancing towards our northern stations yesterday is passing on in an E^{ly} direction towards Norway, and the barometer has begun to rise again on our extreme western and northern coasts. The wind rose to a fresh gale in Scotland as the disturbance came on, and to a strong gale in the Minch, but over the southern parts of our Islands only light to moderate breezes have been experienced. The wind is now W^{ly} over our Islands and the North Sea, and still blows a strong breeze or gale on our extreme northern coasts, but is light and more variable in the south, owing to a secondary disturbance over England. Light E^{ly} breezes are still blowing in the west and south of France. Temperature has fallen somewhat in the United Kingdom, but risen a little over France. Over the inland parts of England it rose to between 75° and 79° during yesterday, and in the south west of France it reached 90°. The night also was rather warm, the minima varying from 52° to 54° over England, and about 50° in Scotland. Some rain has fallen in the north west and north, but there is none reported elsewhere. The sky is very cloudy this morning over the United Kingdom, while it continues clear over France. Rain is still falling in the Hebrides and Shetlands. Thunder is reported from Biarritz. The sea is high in the extreme north, moderate or slight elsewhere. The morning signals are still flying in the north.

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

R. H. SCOTT.
Secretary

DAILY WEATHER REPORT JULY 12TH 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 ...														*	*	*			
Hernösand ...														*	*	*			
Stockholm ...														*	*	*			
Wisby ...														*	*	*			
Christiansund ...	?	56	W S W	2	o	29.59	+0.8	52	50	-2	W S W	6	o	4	63	48	2.06		
Skudeenæs ...	29.80	55	SW	4	o	29.83	+0.9	55	53	-2	W S W	4	o	4	59	55	-		
Oxö (Xtiansand) ...	29.83	59	S S W	4	b c	29.82	+0.3	56	54	-2	W S W	4	o	2	61	52	-		
Skagen (The Saw) ...	29.84	58	W	6	b c	29.82	-0.3	57	53	-4	W	4	o	3	66	50	-		
Fanö ...	29.93	57	W	4	c	29.91	-0.1	58	59	+3	W S W	4	c	*	68	55	-		
Cuxhaven ...	30.02	57	N W	2	c	30.01	-0.2	67	61	+5	N W	1	b	*	?	55	-		
Sumburgh Head ...	29.65	52	SW	5	c	29.72	+2.6	52	49	+3	SW	4	c	6	56	50	0.15		
Stornoway ...	29.84	54	W	5	o	29.78	+0.7	53	51	o	SW	3	o	4	57	48	0.03		
Thurso ...	29.77	55	W N W	5	c	29.78	+1.3	54	50	-4	W S W	2	o	3	60	49	-		
Wick ...	29.82	54	N W	4	o	29.79	+1.3	55	51	o	W S W	4	o	2	60	49	-		
Nairn ...	29.85	57	W	3	c	29.83	+0.8	54	50	-4	W	0	o	1	60	50	-		
Aberdeen ...	29.84	59	N W	2	c	29.83	+0.6	57	50	-7	W S W	1	b c	1	63	46	-		
Leith ...	29.93	58	W	4	b c	29.90	+0.2	56	52	-4	W	3	c	*	66	50	-		
Shields ...	29.99	61	W N W	4	e	29.94	-0.2	58	52	-6	W	2	o	0	62	51	-		
Scarborough ...	30.00	61	W N W	2	o	29.96	-0.3	59	56	-3	SW	1	c	1	64	59	-		
York ...	30.02	61	W	3	b	29.98	-0.2	58	54	-4	W S W	1	o	*	66	52	-		
Nottingham ...	30.07	61	SW	3	b c	30.03	-0.3	62	56	-6	S S W	1	o	*	73	43	-		
Ardrossan ...	29.97	57	W S W	3	c	29.93	o	56	52	o	W S W	3	o	2	60	54	-		
Greenecastle ...	30.00	57	W	2	o	29.90	-0.4	55	53	o	SW	2	o	*	59	50	0.01		
Donaghadee ...	30.02	59	N W	4	b c	29.95	-0.5	58	53	+5	W	3	o	2	63	52	0.01		
Kingstown ...	30.08	62	W N W	3	c	30.00	-0.9	57	53	o	W N W	4	b c	3	64	56	-		
Holyhead ...	30.08	60	SW	4	b	29.93	-0.9	59	57	+2	W S W	2	c	1	64	55	-		
Liverpool (Bidston) ...	30.07	61	W	3	b	29.98	-0.7	58	56	+2	W	2	c	1	62	54	-		
Valencia ...	30.14	60	W N W	3	o	29.99	-1.7	57	55	+2	SW	3	o	3	62	53	0.01		
Roche's Point ...	30.13	60	N W	3	c	30.01	-1.3	59	55	+4	W N W	1	o	1	65	54	-		
Pembroke ...	30.12	63	W	1	b	30.02	-1.0	59	57	+2	SW	1	o	1	65	57	-		
Portishead ...	30.08	65	W	4	b	30.04	-0.4	61	56	-5	W S W	2	b c	3	69	48	-		
Scilly ...																			
Plymouth ...	30.12	64	N W	2	c	30.05	-0.9	58	55	-3	W	0	o	*	68	47	-		
Hurst Castle ...	30.07	64	W	4	b c	30.05	-0.8	62	58	o	W	0	b	0	65	52	-		
Dover ...	30.05	63	W S W	3	c	30.04	-0.6	61	59	-2	SW	1	c	0	66	58	-		
London ...	30.07	73	W	3	b c	30.04	-0.6	62	56	+6	W	0	c	*	73	49	-		
Oxford ...	*	*	*	*	*	30.03	-0.5	58	54	-4	W	0	o	*	74	47	-		
Cambridge ...	30.02	69	W N W	1	c	30.04	-0.2	60	57	-3	N	1	o	*	74	53	-		
Yarmouth ...	30.04	65	N E	1	b c	30.03	-0.2	60	57	-3	N N E	1	b c	1	68	55	-		
The Helder ...	*	*	*	*	*	30.01	-0.2	62	57	-5	W N W	1	b	*	*	*	-		
Cape Gris Nez ...	30.10	63	SW	2	b	30.04	-0.9	59	57	o	SW	2	m	1	64	55	-		
Jersey ...																			
Brest ...	30.22	70	N	4	b	30.11	-1.5	59	57	o	E	2	o	3	?	50	-		
L'Orient ...	30.11	68	N W	2	b	30.04	-1.6	61	57	+4	E N E	4	o	3	77	54	-		
Rochefort ...	30.03	73	W	0	b	30.00	-1.2	68	63	-5	SW	2	o	3	?	57	-		
Biarritz ...	30.94	?	E N E	4	N	29.94	-1.2	72	66	o	E N E	1	N	3	90	64	1.38		
Corunna ...	*	*	*	*	*									*	*	*	-		
Brussels ...	*	*	*	*	*	30.02	-1.0	61	*	+1	N W	1	b	*	*	*	-		
Charleville ...	*	*	*	*	*	30.00	-1.0	62	*	-1	E	3	b	*	*	*	-		
Paris ...	30.06	70	W	3	b	30.06	-1.0	62	*	-3	N N W	1	b	*	*	*	-		
Lyon ...	*	*	*	*	*	30.09	-0.7	73	*	+5	S	2	o	*	*	*	-		
Toulon ...	30.04	73	W	3	e	30.08	-0.6	70	66	-4	E	3	m	3	82	?	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeenæs ...	29.78	58	54	SW	6	c	5	Valencia	30.17	60	55	WSW	3	o	3
Thurso	29.73	59	53	WNW	5	c	8	Scilly							
Scarborough ...	29.99	63	55	WSW	2	c	2	London	30.07	70	63	WSW	2	e	*
Greenecastle ...	29.99	58	52	W	3	o	*	Rochefort ...	30.09	91	73	W	0	b	0
Holyhead	30.10	61	55	WSW	4	e	3								

Pressure is rising again at Thurso but is unchanged elsewhere. The winds are falling lighter. All the signals have been lowered this afternoon.

EXPLANATION OF COLUMNS.

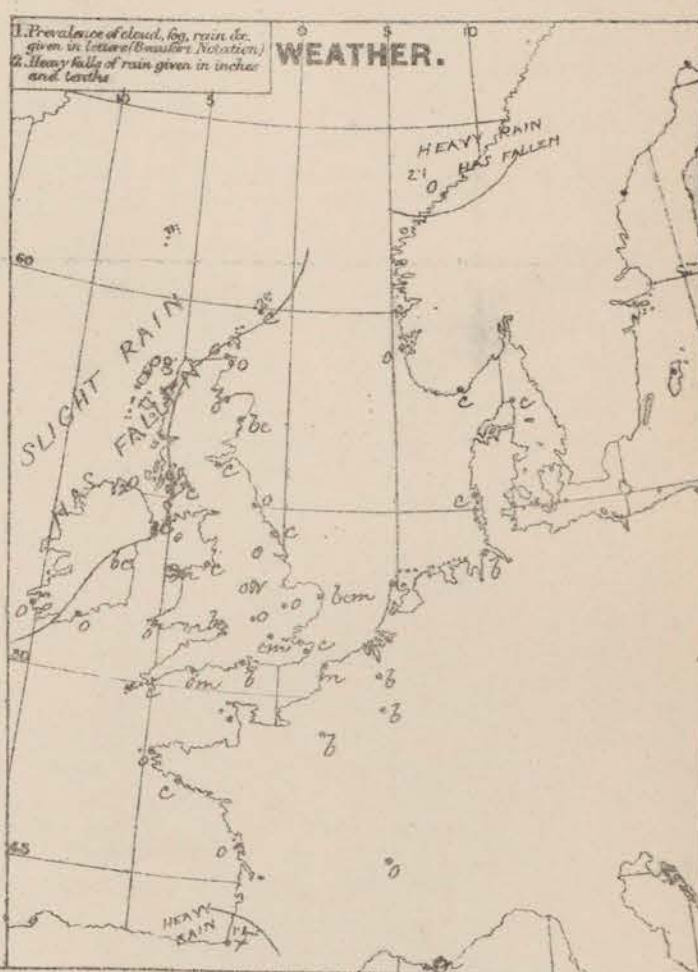
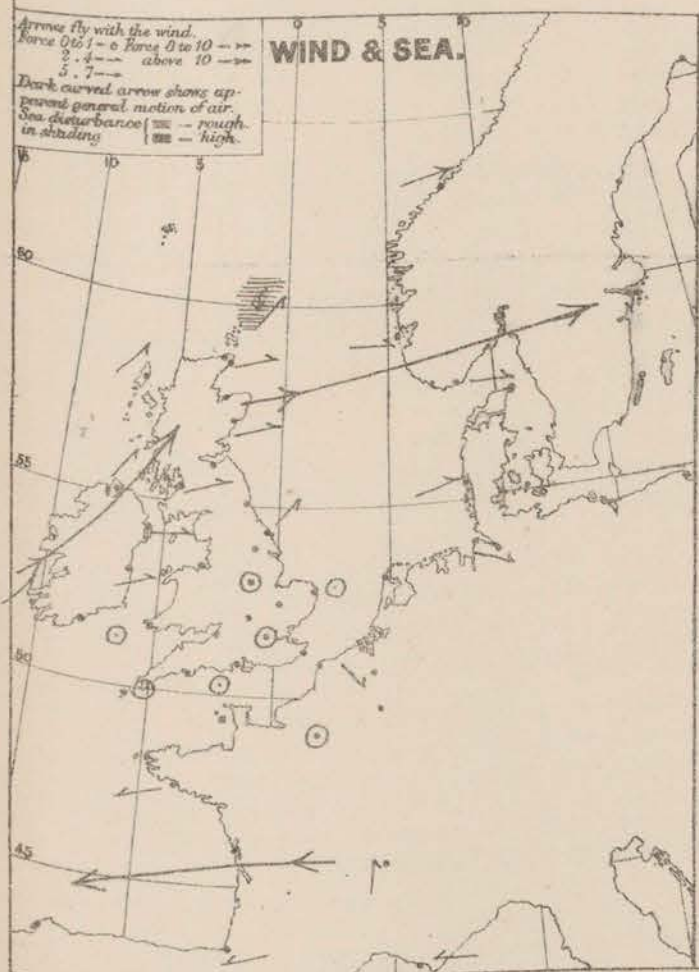
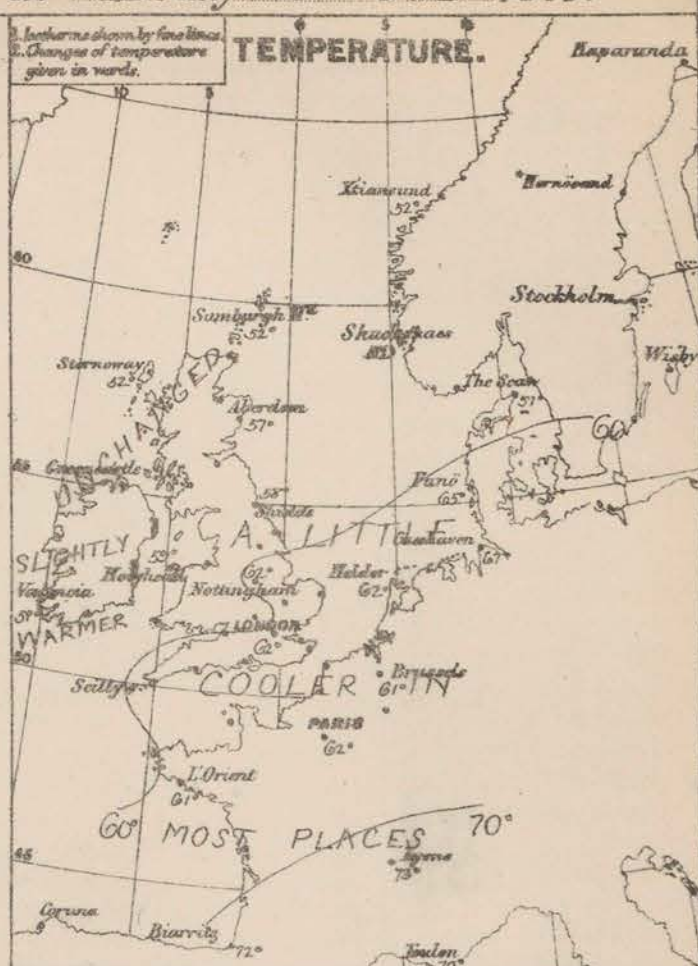
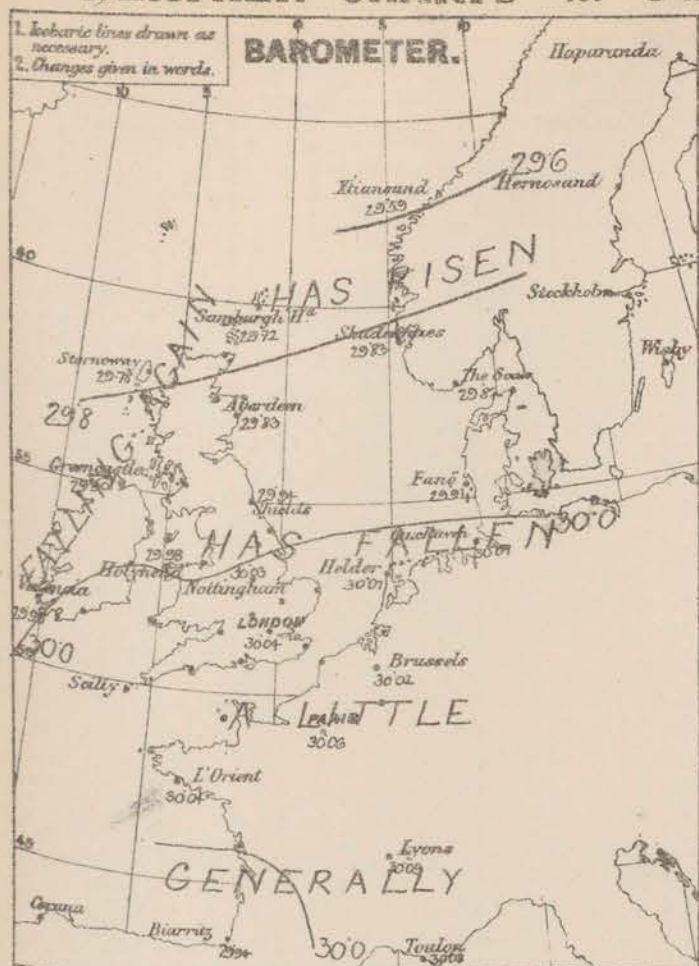
WEATHER.—*Donaghadee* haze is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Thursday 12th JULY 1877.



REMARKS. During yesterday the barometer rose somewhat at all our western and northern stations but continued to fall slowly on our south-east coasts and over France. In the course of the night the mercury had begun to fall again in the west and north-west, the change at Valentia being 0.15 in. since 6 p.m. The wind has consequently returned to the SW in Ireland and the west of Scotland, with gloomy weather, while it has fallen calm in the south and south-east of England. In France it is light from the E. Temperature is changing irregularly. Over the central parts of England yesterday it attained a maximum of 73° or 74°, or a few degrees lower than on the previous day. Today the thermometer is rather higher in London than at 8 a.m. yesterday, and some heavy clouds are hanging about the sky. A very little rain fell in the extreme north-west and west of our islands yesterday and large quantities fell at Brest and Christchurch. The weather is not at all settled, though dry at present. The sea remains rough off the Shetlands but has gone down elsewhere. The warning signals were lowered in the north yesterday afternoon.

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

R. H. SCOTT,
Director.

DAILY WEATHER REPORT

JULY 13TH 1877

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 550 ft. 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 10).		At 550 ft. and Sea Level.	Distance from 8 a.m. yesterday.	Dry.	Wet.	Distance from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.70	58	S	2	0	29.67	-0.05	61	58	?	SE	2	0	*	*	*	-	
Hernösand ...	29.64	57	S	2	6	29.65	+0.03	58	55	-3	Z	0	6	*	*	*	-	
Stockholm ...	29.68	61	SW	2	6	29.73	-0.01	65	60	+3	SSW	4	6	*	*	*	-	
Wisby ...	29.77	59	W	4	0	29.84	+0.04	57	54	-2	W	6	6	*	*	*	-	
Christiansund ...	29.62	54	ESE	4	0	29.60	+0.01	58	51	+3	ESE	2	0	3	61	59	-	
Skudesnaes ...	29.81	55	SW	0	0	29.75	-0.08	58	55	+3	WSW	2	0	2	59	55	-	
Oxö (Xtiansand) ...	29.80	56	NW	7	6	29.78	-0.04	57	53	+1	SW	2	0	2	59	54	-	
Skagen (The Skaw) ...	29.80	56	W	5	6	29.81	-0.01	57	52	0	WSW	3	0	3	66	60	-	
Faro ...	29.86	56	WSW	2	0	29.82	-0.09	66	58	+1	SW	1	60	*	66	55	-	
Cuxhaven ...	29.67	50	SW	3	0	29.64	-0.08	52	52	0	SSW	2	0	2	55	49	0.11	
Sumburgh Head ...	29.71	58	SW	3	0	29.57	-0.21	54	53	+1	SSW	4	0	4	59	51	0.31	
Thurso ...	29.71	57	SSW	2	0	29.66	-0.18	57	55	+3	SSW	1	0	1	60	53	-	
Wick ...	29.71	58	W	2	60	29.63	-0.16	55	54	0	S	2	0	1	59	51	-	
Nairn ...	29.75	58	W	1	0	29.63	-0.20	58	53	+4	Z	0	0	0	64	52	0.04	
Aberdeen ...	29.73	62	S	2	0	29.63	-0.20	60	56	+3	Z	0	0	1	64	52	-	
Leith ...	29.79	59	W	3	0	29.67	-0.23	55	53	-1	Z	0	0	*	63	51	-	
Shields ...	29.84	62	NW	2	0	29.72	-0.22	60	55	+2	SSW	2	0	0	65	50	-	
Scarborough ...	29.85	63	SW	1	0	29.75	-0.21	58	54	-1	Z	0	0	1	64	55	-	
York ...	29.87	61	SW	1	0	29.76	-0.22	59	54	+1	W	1	0	4	64	51	-	
Nottingham ...	29.89	63	NW	1	0	29.77	-0.26	62	58	0	SSW	3	0	*	72	53	-	
Ardrossan ...	29.82	58	SW	2	0	29.68	-0.25	57	56	+1	S	2	0	1	59	55	0.06	
Greencastle ...	29.79	58	SW	1	0	29.61	-0.29	56	55	+1	SE	1	0	*	61	53	0.35	
Donaghadee ...	29.82	60	SSW	2	0	29.67	-0.28	55	55	-3	S	2	0	1	65	54	0.39	
Kingstown ...	29.87	64	W	3	0	29.69	-0.31	58	56	+1	SSW	3	0	2	64	56	0.05	
Holyhead ...	29.88	60	SW	3	0	29.72	+0.26	59	57	0	SSW	3	0	2	66	55	0.01	
Liverpool (Bidston) ...	29.87	61	WNW	1	60	29.74	-0.24	61	55	+3	S	1	0	1	65	54	-	
Valencia ...	29.85	58	SSW	4	0	29.64	-0.35	58	57	+1	WSW	4	0	5	62	?	0.31	
Roche's Point ...	29.89	59	WNW	2	0	29.65	-0.36	58	55	-1	W	4	60	3	64	55	0.15	
Pembroke ...	29.92	61	WSW	1	0	29.75	-0.27	59	57	0	SW	3	0	3	68	57	-	
Portishead ...	29.89	54	WSW	3	6	29.80	-0.24	59	56	-2	SW	2	0	2	67	54	-	
Seilly ...	29.92	62	SW	2	0	29.83	-0.22	60	58	42	S	1	0	*	68	51	-	
Plymouth ...	29.89	65	WSW	2	60	29.82	-0.23	61	59	-1	W	2	0	2	65	50	-	
Hurst Castle ...	29.91	62	SW	1	6	29.80	-0.24	61	58	0	WSW	2	6	1	66	58	-	
Dover ...	29.87	76	WSW	2	6	29.80	-0.24	64	57	+2	Z	0	0	*	76	50	-	
London ...	29.87	*	*	*	*	29.79	-0.24	61	57	+3	Z	0	0	*	73	48	-	
Oxford ...	29.86	69	N	1	0	29.79	-0.25	63	59	+3	N	1	60	*	74	47	-	
Cambridge ...	29.92	61	SE	3	6	29.79	-0.24	62	61	+2	SE	1	60	1	63	57	-	
Yarmouth ...	*	*	*	*	*	29.79	-0.22	64	59	+2	NE	1	0	*	*	*	-	
The Helder ...	29.92	66	SW	1	6	29.82	-0.22	59	57	0	SW	1	0	0	68	57	-	
Cape Gris Nez ...	29.99	72	N	3	6	29.96	-0.15	61	57	+2	W	3	0	3	71	52	-	
Brest ...	29.91	68	NW	1	0	29.96	-0.08	59	54	-2	WNW	2	0	2	77	54	0.04	
L'Orient ...	29.88	73	WSW	3	60	29.97	-0.03	63	61	-5	WNW	4	0	3	83	55	-	
Rocheport ...	29.85	77	SSW	2	0	30.01	+0.07	66	64	-6	WSW	4	0	8	81	63	0.08	
Biarritz ...	*	*	*	*	*	29.80	-0.22	58	*	-3	W	3	0	*	*	*	0.56	
Corunna ...	*	*	*	*	*	29.73	-0.27	60	*	-2	W	6	0	d	*	*	*	
Brussels ...	29.87	75	NE	2	0	29.87	-0.19	65	*	-3	NW	2	0	*	*	*	0.20	
Charleville ...	*	*	*	*	*	29.99	-0.10	71	*	-2	SE	2	0	*	*	*	*	
Paris ...	30.06	73	E	1	0	29.99	-0.09	70	64	0	E	4	0	3	81	70	-	
Lyons ...																		
Toulon ...																		

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.82	59	55	WSW	2	0	4	Valencia ...	29.91	62	55	SSW	3	0	3
Thurso	29.73	57	54	SW	2	0	3	Seilly							
Scarborough ...	29.91	63	56	SW	3	0	2	London	29.95	70	60	WSW	3	0	*
Greencastle ...	29.84	57	55	WSW	2	0	*	Rocheport ...	29.94	75	68	WSW	3	0	3
Holyhead	29.94	63	59	SSW	3	0	2								

Pressure is decreasing somewhat irregularly. Light SW⁴ breezes prevail very generally and the weather is cloudy at all but the S⁴ stations.

EXPLANATION OF COLUMNS.

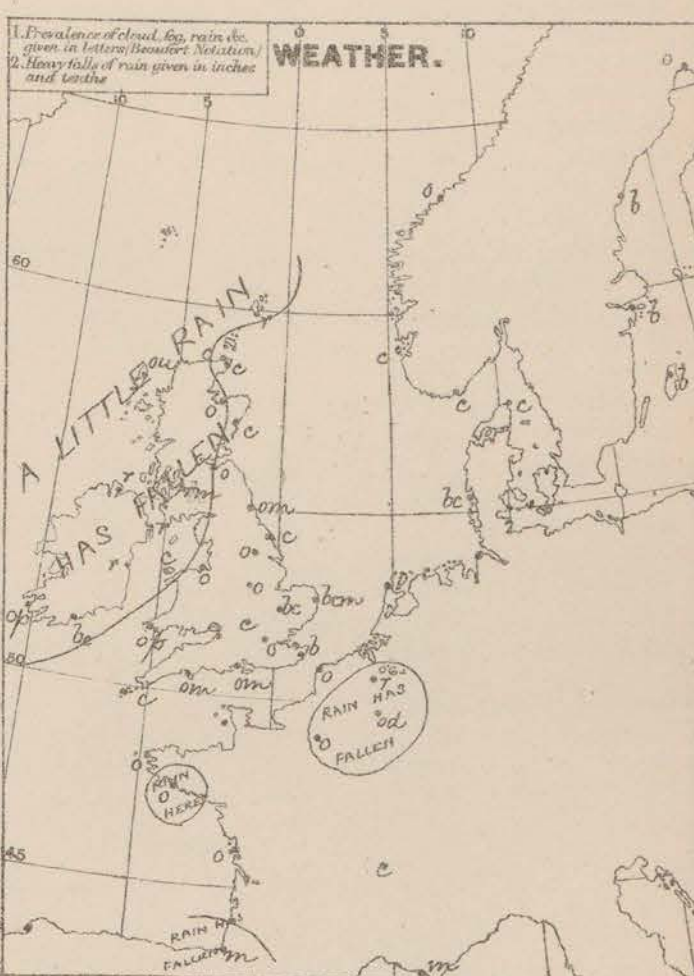
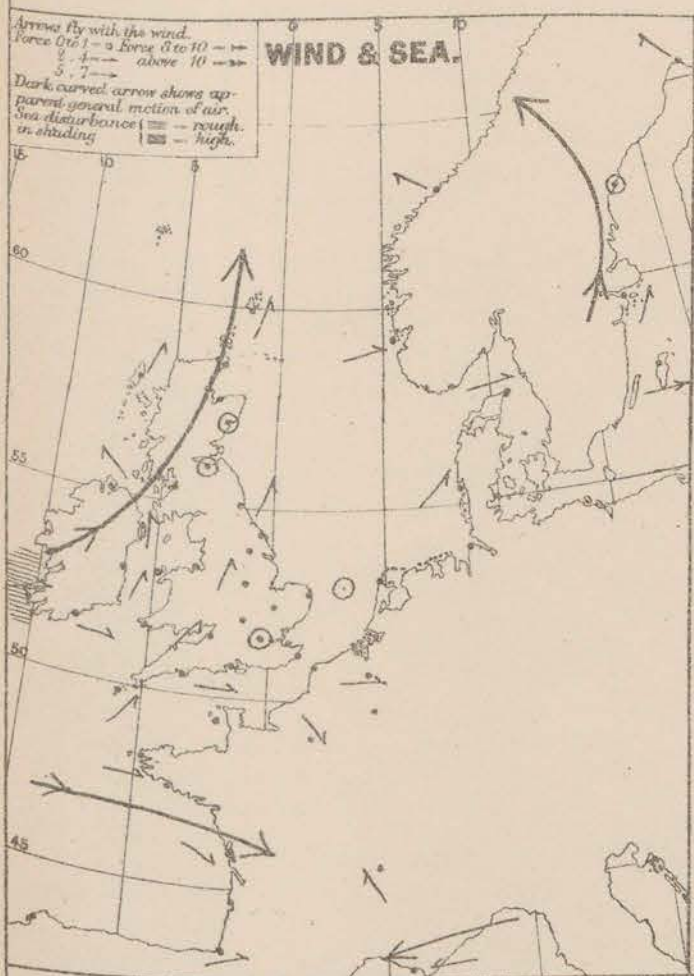
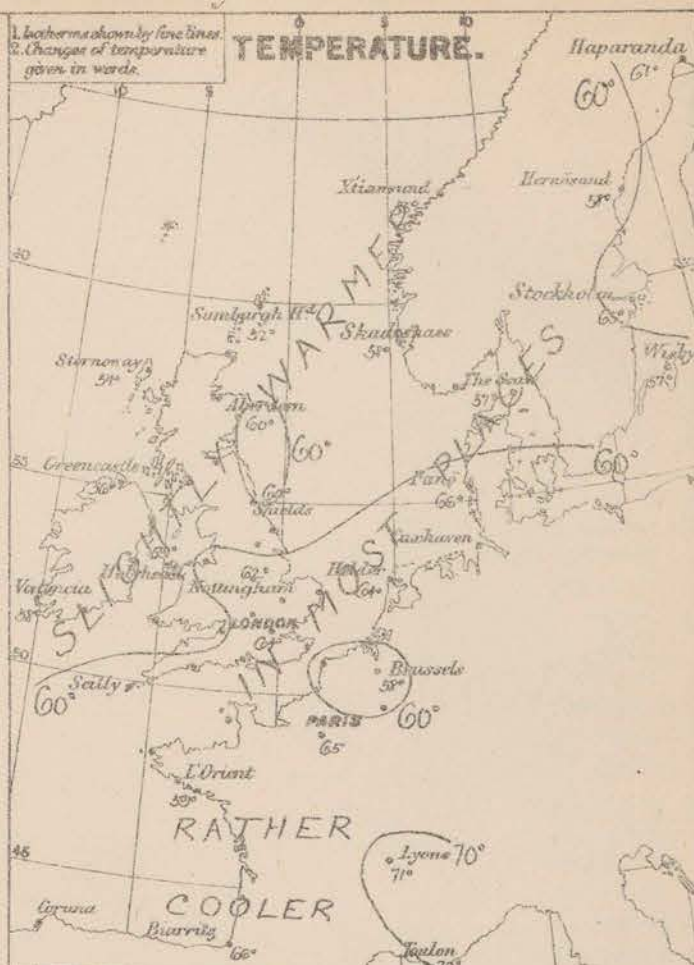
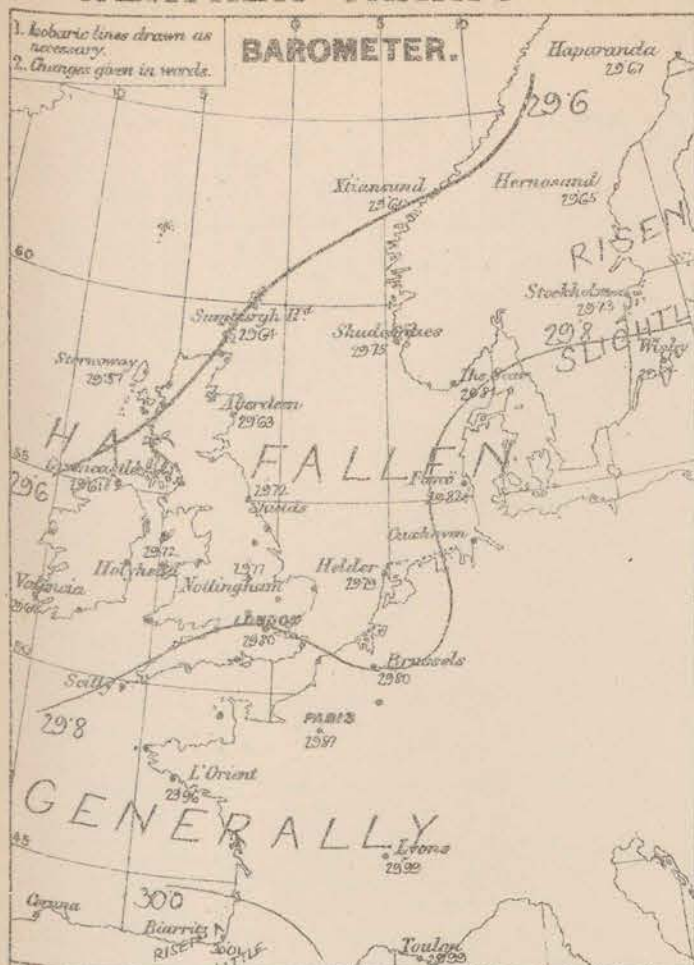
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The 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 13th JULY 1877.



REMARKS. Since yesterday morning the barometer has fallen somewhat over the whole of Western Europe, most at the southern Irish stations, where the change amounts to 0.35 in. Pressure is highest over the Peninsula, least off our north west coasts, and there seems to be a new depression approaching our western stations from the Atlantic. Light W. breezes prevail over the Bay of Biscay and south of Ireland this morning, and light S. to SW. winds elsewhere. Temperature has risen a little except in the west of France, where the advent of a wind from the sea has brought the thermometer down a few degrees. It rose to 76° in the shade in the London district yesterday, and from 72° to 74° in other inland parts of England, while in the night it fell to 50° or 52°. The sky is more cloudy than of late. Rain has again set in along our western and some of our northern coasts, and a threatening appearance is reported at Stornoway. The sea is moderate in slight or smooth elsewhere.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 40 per quarter, book post 5 per quarter.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JULY 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 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	29.73	57	SSW	4	b	29.87	+20	58	53	-3	SSW	4	c	*	*	*			
Hernösand	29.77	57	S	2	c	29.76	+11	58	55	0	S	4	b	*	*	*			
Stockholm	29.82	61	SSW	2	b	29.85	+12	64	57	-1	SSW	4	b	*	*	*			
Wisby	29.89	57	SSW	4	c	29.86	+02	62	56	+5	SE	4	c	*	*	*			
Christiansund	29.71	57	WSW	1	c	29.67	+07	57	53	+2	E	1	b	2	57	48			
Skudesnaes	29.71	57	SSE	4	o	29.67	-08	60	55	+2	SE	2	o	3	63	57			
Oxö (Xtiansand)	29.78	56	SSW	4	c	29.71	-07	55	54	-2	W	2	c	0	61	52			
Skagen (The Seaw)	29.80	61	SE	2	b	29.72	-09	60	58	+3	SSE	3	b	2	73	54	0.04		
Fanö	29.75	59	ESE	2	o	29.68	-14	68	63	+2	WSW	2	c	*	68	57			
Cuxhaven																			
Sumburgh Head	29.58	54	S	1	o	29.52	-12	54	53	+2	SE	3	m	2	55	50	0.11		
Stornoway	29.54	58	SSW	1	o	29.43	-14	57	56	+3	NE	1	c	2	60	52	0.03		
Thurso	29.55	59	Z	0	c	29.46	-14	58	56	+1	ESE	1	o	1	65	52	0.01		
Wick	29.55	58	W	1	o	29.47	-16	55	54	0	SE	1	m	0	63	50			
Nairn	29.59	66	Z	0	c	29.45	-18	55	54	-3	Z	0	o	0	69	54	0.11		
Aberdeen	29.59	59	S	2	c	29.43	-20	58	54	-2	Z	0	c	1	65	54	0.10		
Leith	29.59	57	NE	1	o	29.44	-23	60	59	+5	NE	1	c	*	63	53	0.14		
Shields	29.64	60	SSE	3	o	29.50	-22	63	60	+3	SW	1	cm	0	64	57	0.01		
Scarborough	29.65	65	SW	1	c	29.53	-22	64	59	+6	SW	1	b	1	68	58			
York	29.66	66	SSW	2	o	29.55	-21	62	58	+3	S	2	c	*	69	57	0.01		
Nottingham	29.70	67	SSW	3	o	29.54	-23	62	61	0	S	4	o	*	74	57	0.08		
Ardrossan	29.57	58	SSW	1	o	29.46	-22	58	57	+1	SSW	1	om	1	59	56	0.34		
Greencastle	29.50	60	E	1	o	29.40	-21	58	57	+2	S	1	o	*	63	54	0.17		
Donaghadee	29.56	56	S	2	o	29.45	-22	58	58	+3	SE	3	o	2	59	55	0.08		
Kingstown	29.58	64	W	4	c	29.57	-12	59	56	+1	WNW	1	m	1	66	57	0.08		
Holyhead	29.60	58	SSW	4	m	29.46	-26	58	58	-1	SSW	1	o	0	65	56	0.47		
Liverpool (Bidston)	29.67	61	SSE	2	o	29.49	-25	58	57	-3	SE	2	o	1	64	58	0.06		
Valencia	29.62	59	SW	3	o	29.47	-17	58	56	0	WNW	1	o	2	63	52	0.07		
Roche's Point	29.64	62	W	3	b	29.47	-18	59	54	+1	W	1	b	1	66	54			
Pembroke	29.67	60	SW	3	c	29.48	-27	58	57	-1	W	1	o	2	62	57	0.10		
Portishead	29.71	62	S	3	o	29.53	-27	64	62	+5	SSE	4	o	3	67	55	0.16		
Scilly																			
Plymouth	29.68	62	S	3	o	29.53	-30	62	61	+2	Z	0	omd	*	68	59	0.27		
Hurst Castle	29.80	63	SW	4	o	29.59	-23	62	62	+1	SSW	5	o	5	65	59	0.18		
Dover	29.79	63	WSW	4	b	29.67	-13	60	60	-1	SW	3	odg	3	67	60	0.02		
London	29.77	69	SW	3	b	29.62	-18	64	61	0	SSW	2	od	*	75	60	0.03		
Oxford		*	*	*	*	29.56	-23	64	61	+3	SSE	3	o	*	72	59	0.07		
Cambridge	29.72	68	SW	2	b	29.60	-19	63	62	0	SW	2	o	*	74	58			
Yarmouth	29.74	70	W	1	b	29.63	-16	64	62	+2	SSW	3	c	2	71	58	0.03		
The Helder		*	*	*	*	29.69	-10	64	61	0	SW	1	c	*	*	*			
Cape Gris Nez	29.82	61	WSW	4	b	29.70	-12	61	61	+2	SSW	4	o	3	64	59	0.39		
Jersey																			
Brest	29.91	66	WSW	4	m	29.68	-26	59	59	-2	SW	3	o	4	66	57	0.16		
L'Orient	29.94	63	WSW	4	m	29.74	-22	63	61	+4	SW	5	o	4	68	57	0.51		
Roche fort	29.93	73	WNW	4	b	29.92	-05	66	59	+3	WSW	4	b	3	77	61			
Biarritz	29.97	72	NNE	3	o	29.93	-08	66	63	0	ESE	1	o	4	70	61			
Corunna		*	*	*	*														
Brussels		*	*	*	*	29.75	-05	62	*	+4	SW	3	c	*	*	*	0.16		
Charleville		*	*	*	*	29.75	+02	65	*	+5	SW	3	c	*	*	*			
Paris	29.86	72	W	3	o	29.81	-06	60	*	-5	Z	4	o	*	*	*			
Lyons		*	*	*	*	29.89	-10	75	*	+4	W	2	o	*	*	*			
Toulon	29.90	79	SE	1	b	29.91	-08	72	70	+2	SE	3	b	3	95	70			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.73	62	57	S	2	c	2	Valencia	29.65	61	58	SW	3	o p 3
Thurso	29.57	58	56	W	1	p	2	Scilly						
Scarborough ...	29.71	60	58	S	1	o	1	London	29.78	70	59	W S W	3	c *
Greencastle ...	29.56	60	56	S	1	o	*	Roche fort ...	30.00	68	63	W	4	c 3
Holyhead	29.63	60	59	S	4	d	3							

The sky remains cloudy and the weather very showery in most places, though warm and dry at present in the neighbourhood of London. The barometer is changing very irregularly, but no change is noted in its general indications.

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.

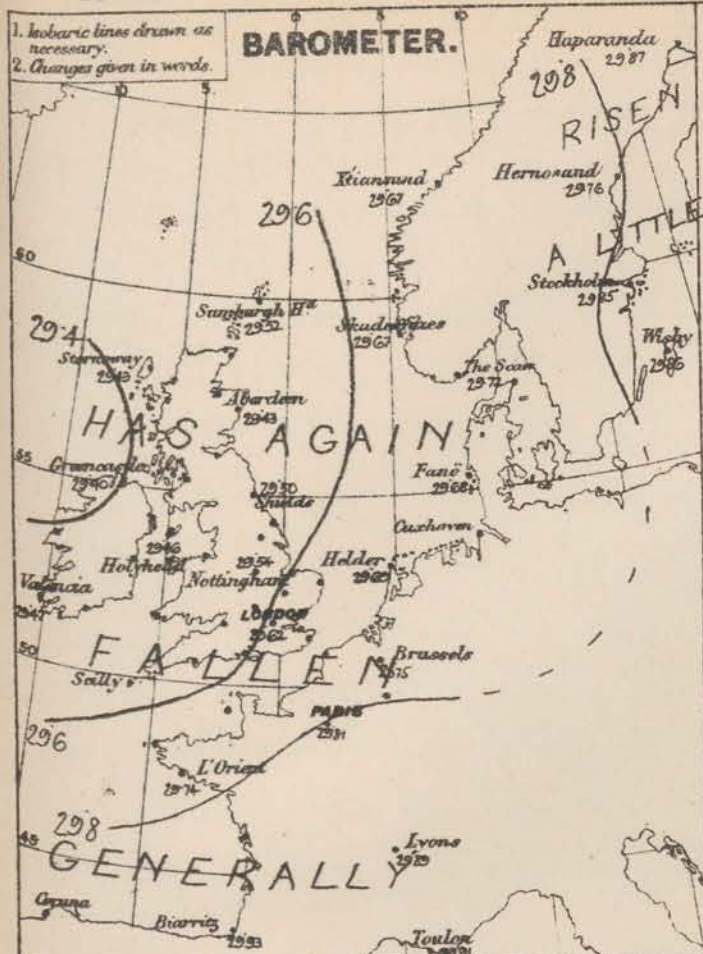
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 14TH JULY 1877.

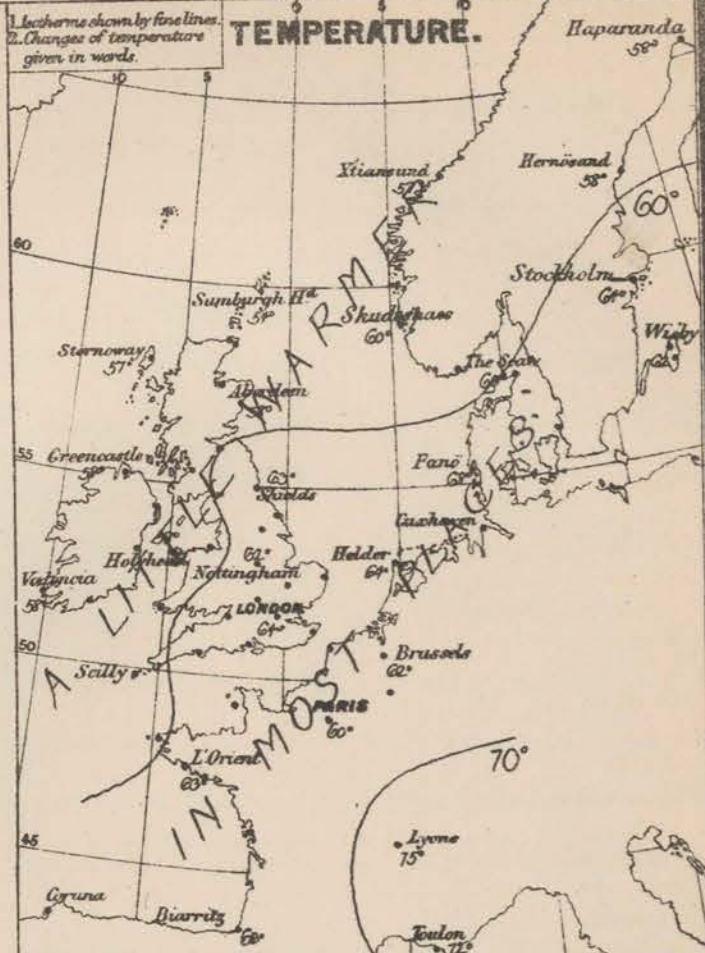
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



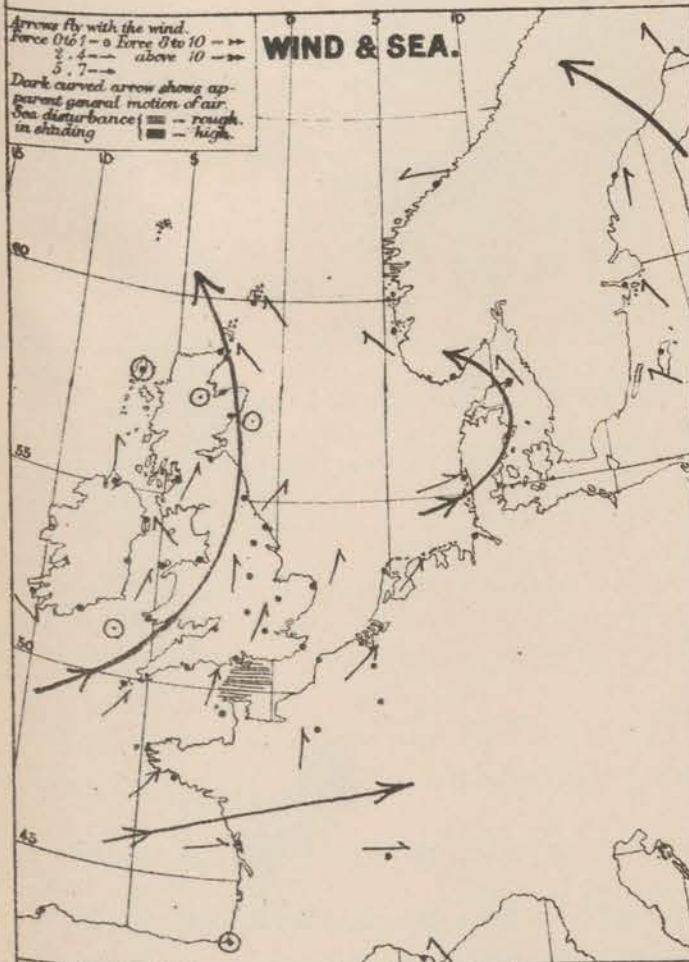
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



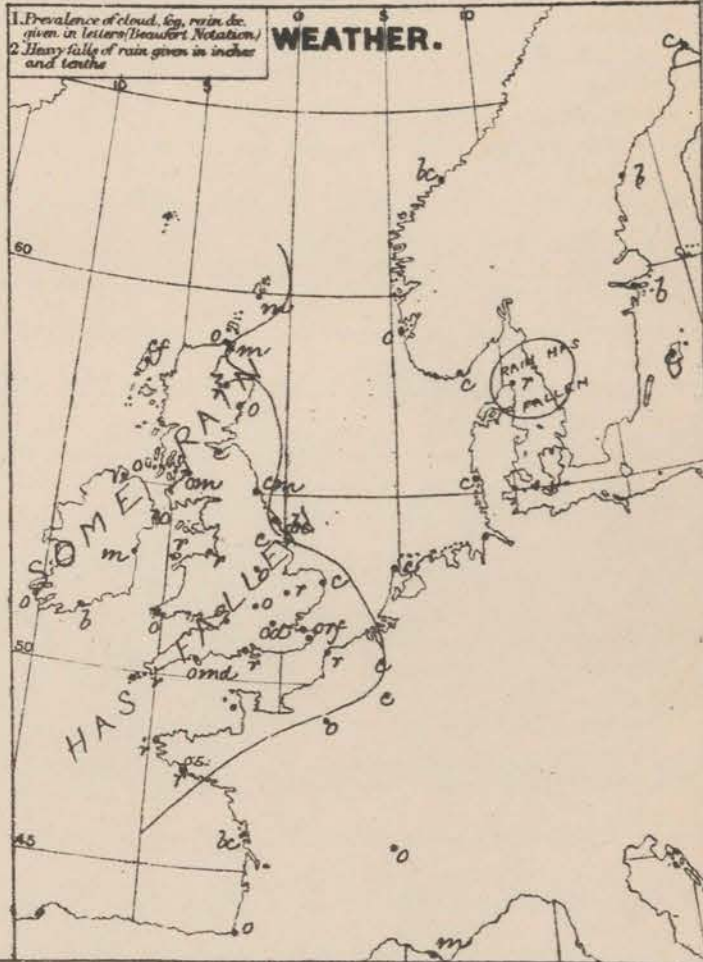
1. Arrows fly with the wind. Force 0 to 10 - - - - - above 10 - - - - -
2. Dark curved arrow shows apparent general motion of air. Sea disturbance - - - - - rough in shading - - - - - high

WIND & SEA.



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

WEATHER.



REMARKS. Cloudy, showery weather prevails in all parts of the Kingdom, the amount of rain which has fallen since yesterday being very variable. About half an inch is reported from Holyhead and L'Orient, but only a few hundredths in many other places. Temperature shows comparatively little change, excepting a rise over the eastern parts of England. The maximum shade readings for yesterday were 72° to 75° at the English inland stations. On the coast the heat was, of course, less. At Toulon, however, a maximum of 95° occurred yesterday afternoon. The night was warm and close, the lowest readings at London, Oxford and Cambridge having been about 60°, York and Nottingham 57° -

Barometric Indications. The barometer continues to fall all over the United Kingdom and France, but is rising a little in the Gulf of Bothnia and Sweden. It remains lowest to the W. of our Islands, and is relatively high in the south west of France and in Scandinavia. The gradients are, however, slight, and the winds moderate in consequence. Unsettled showery weather seems likely to continue, with SW. to S. winds.

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 JULY 8TH to JULY 14TH 1877.

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

The unsettled weather which characterised last week has continued uninterrupted through the period at present under notice. The distribution of pressure has been very similar, the highest readings lying steadily over our SWⁿ stations, while depressions of more or less importance have passed from W. to E. across our area. The wind has consequently varied between W. and S. and at times has blown rather fresh, reaching even the force of a fresh to hard gale in Scotland on the night of the 10th. In the early part of the week temperature rose to nearly 80° in the shade over central England, but towards its close it fell considerably, and on the last few days the weather was decidedly cold. Showers of rain have occurred, but the falls have not been heavy, and no thunderstorms of importance have been reported.

JULY 8TH The general rise of the barometer, which was in progress at the close of last week, continued in nearly all parts of Wⁿ Europe, but in the extreme N. of Scotland a fresh decrease had commenced during the night. The highest readings still lay off our SW. coasts, but the depression, which was lying over the S. of Sweden, had passed on NE^{ly} to the Gulf of Bothnia. Over Scandinavia the wind was governed by the depression in that region, and both at Stockholm and Wisby was blowing with the force of a fresh gale, but in our own and the Nⁿ French coasts light NW^{ly} breezes prevailed. Over the Bay of Biscay the wind was E^{ly}. Temperature was low, and showed scarcely any change on the readings of the previous day. In the early morning in London it had fallen to 41° in the shade, and 32° on the grass. The sky was clear over France and Sⁿ England, cloudy elsewhere with rain in Sweden. The fall of the barometer in the N. made very little progress during the day, and scarcely any change occurred elsewhere.

JULY 9TH A very shallow depression had passed across the N. of Scotland during the night, and at 8 a.m. lay off the NE. of that country. The barometer was in consequence falling slightly at the more Nⁿ stations, while in the S. and SW. where the highest readings still lay the mercury was rising slightly. Gradients were increasing over these Islands, and the W. winds, which were general on our coasts, were rising and had already reached the force of a moderate gale at Shields. Light E^{ly} breezes still prevailed over the Bay of Biscay. Temperature had risen except in the SE. of France. At 8 a.m. temperature varied from 63° at Havre to 83° in the N. of Scotland. The weather was dull, and a good deal of rain had fallen in the N. Later in the day pressure rose slightly at the Nⁿ and fell at the Sⁿ stations, so that gradients decreased somewhat, and the wind became lighter.

JULY 10TH The mercury was falling at all except the Swedish, and some of the French stations, the decrease amounting to about 0.3 in. in Scotland, towards which country the centre of a rather deep

depression was apparently advancing. The wind, which continued W generally had backed to the S^W in the extreme N, and was blowing a moderate gale in the Hebrides. Temperature had risen a few degrees in most parts, and was moderately uniform over the country. Rain was falling in Scotland, and the sky was overcast in Ireland, and the greater part of England, but in France, and over our S coast the sky was clear. The depression subsequently moved E^W across our extreme N^W coasts, the barometer still fell, and the wind rose to a fresh gale in Scotland in the night. At London and Nottingham the thermometer reached 78, ^{and} in the S. of France 90° during the day.

JULY 11TH The area of lowest pressure lay between the Shetlands, and the W coast of Norway, and a slight recovery had commenced in the W. and N. of these Islands, though on our E and S coasts as well as at nearly all the Continental stations the mercury was falling. The wind had veered to the W^W again in the N, and breezes from that quarter were reestablished over the whole country. In the N. they were strong reaching a gale at Lumburg Head, but in the S. they were still comparatively light. E^W winds still held over France. Temperature had fallen several degrees over the United Kingdom, but had risen somewhat over the Continent. Temperature varied from 73° in France to 50° in the Shetlands. The sky remained very cloudy with thunder at Rixivitz. The disturbance moved on NE^W to Scandinavia during the day, and the barometer rose over these Islands. Temperature only reached 74° at the Island stations in the middle of the day, but at Rixivitz it again went up to 90°.

JULY 12TH The mercury was rising on the W. coast of Norway, as well as at some of our NE^W stations, but in all other places it was falling. The change in the W. being rather brisk during the night. The wind had returned to SW on our extreme W^W coasts, but at our more N^W stations it continued W, while in the S. calms prevailed. Temperature had changed little and rather irregularly, but at the majority of our stations the tendency was to decrease. Heavy rain had fallen at Christiansund and Rixivitz, but elsewhere the weather was dry, though cloudy and unsettled. Pressure decreased everywhere during the day, but most in the S. so that readings became very uniform, and the winds light.

JULY 13TH A further fall of the barometer had occurred generally, the decrease amounting to 0.3 in Ireland. A large depression was apparently advancing on our NW coasts, while a small local disturbance lay over the mouth of the Scheldt. The wind consequently varied much in direction. Over France and the Channel it was W, on our W^W and N^W coasts S^W while in the SE it was very variable. Temperature had risen slightly except in the W. of France. Rain had recommenced along our W^W coasts, and elsewhere the sky was overcast or very cloudy. During the day the barometer continued to fall generally, and the area of low pressure advanced further over us. The maximum temperature readings over Central England were about 74°, while at London the thermometer rose to 95°.

JULY 14TH Pressure continued to give way over the whole of the United Kingdom and France, but was rising slightly in Sweden. A large area of low readings still lay off our NW coasts, while the small depression from the Netherlands had travelled N^W to Denmark. The wind was generally S^W over these Islands, but drew into SE in the N. It was moderate in force. Temperature showed little change, except a rise in the E. of England. The weather was dull, with rain in several places, especially the SE stations. In the afternoon the barometer was falling briskly over the Bay of Biscay, and by the evening a small depression had advanced to the neighbourhood of the Isle of Wight, where the barometer was falling briskly. Heavy rain was reported over the South coast.

Meteorological Office,

116, Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, SECRETARY.

DAILY WEATHER REPORT

JULY 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.		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	29.95	58	S	2	c	29.98	+11	64	59	+6	SE	2	c	*	*	*	-	
Hernösand	29.90	55	Z	0	b	29.91	+15	59	57	+1	Z	0	c	*	*	*	-	
Stockholm	29.80	60	E	4	b	29.71	-14	61	59	-3	SE	2	o	*	*	*	0.08	
Wisby	29.73	60	ESE	4	o	29.73	-13	66	63	+4	SW	2	o	*	*	*	0.12	
Christiansund	29.69	56	WSE	1	c	29.66	-01	61	58	+4	E	1	c	o	63	52	-	
Skudesnaes	29.62	59	SSW	1	o	29.56	-11	66	58	+6	ENE	4	c	3	62	59	-	
Oxö (Xtiansand)	29.67	59	ENE	4	o	29.63	-08	59	58	+4	ENE	6	o	3	63	52	-	
Skagen (The Swan)	29.69	60	SSE	3	m	29.65	-07	62	60	+2	ESE	3	c	1	63	55	0.12	
Fanö	29.63	59	SW	1	b	29.47	-21	68	66	0	E	4	c	*	72	56	-	
Cuxhaven	29.67	?	NNE	1	o	29.48	?	69	67	+4	SE	2	o	*	?	63	-	
Sumburgh Head	29.48	54	ESE	4	b	29.51	-01	54	54	0	NE	4	c	3	57	52	0.06	
Stornoway	29.40	59	NE	1	o	29.37	-06	57	55	0	NE	1	ow	3	60	50	-	
Thurso	29.40	57	Z	0	c	29.37	-09	56	56	-2	ESE	2	o	1	62	51	0.21	
Wick	29.42	56	SE	1	o	29.35	-12	55	55	0	E	3	?	3	63	50	0.06	
Nairn	29.39	58	Z	0	N	29.36	-09	57	56	+2	ENE	1	N	2	63	55	0.08	
Aberdeen	29.41	62	Z	0	b	29.32	-11	56	55	-2	E	2	N	3	66	55	0.18	
Leith	29.35	57	ENE	1	N	29.20	-24	54	54	-6	E	5	N	*	69	52	0.62	
Shields	29.37	58	E	3	o	29.10	-40	56	56	-7	E	5	N	4	65	65	0.64	
Scarborough	29.38	56	SSE	2	c	29.08	-45	55	55	-9	ESE	6	m	5	68	55	0.56	
York	29.35	61	S	1	N	29.02	-53	62	61	0	E	2	o	*	70	52	0.70	
Nottingham	29.35	64	SSE	3	N	29.04	-50	57	57	-5	SW	5	N	*	74	57	0.77	
Ardrossan	29.35	63	NNW	1	c	29.19	-27	61	60	+3	ENE	3	NW	2	64	58	0.37	
Greencastle	29.32	59	NNW	1	o	29.21	-19	56	55	-2	N	2	N	*	64	54	0.20	
Donaghadee	29.33	59	NE	1	c	29.15	-30	54	54	-4	NNE	2	N	3	65	53	0.69	
Kingstown	29.36	64	?	2	b	29.23	-34	55	54	-4	NNW	5	N	4	65	54	0.10	
Holyhead	29.33	58	N	2	m	29.11	-35	55	54	-3	W	8	NW	5	63	54	1.54	
Liverpool (Bidston)	29.31	59	W	1	o	28.98	-51	56	56	-2	WSW	6	N	4	66	56	1.32	
Valencia	29.45	58	NW	3	o	29.44	-03	59	56	+1	NW	3	o	2	63	54	0.02	
Roche's Point	29.42	59	NW	4	b	29.39	-08	58	55	-1	NW	4	b	3	65	54	0.09	
Pembroke	29.35	58	NNW	2	o	29.28	-20	56	54	-2	NNW	5	c	3	66	55	0.26	
Portishead	29.26	60	W	3	N	29.22	-31	59	58	-5	W	5	o	5	68	55	0.99	
Scilly	29.27	60	NNE	1	o	29.34	-19	61	59	+1	NW	3	b	*	64	55	0.77	
Plymouth	29.30	62	SSE	5	N	29.30	-29	62	61	0	W	6	N	16	63	58	0.96	
Hurst Castle	29.46	63	SSE	3	o	29.29	-38	61	59	+1	SW	5	b	4	65	58	0.52	
Dover	29.31	61	SW	3	c	29.22	-40	61	57	-3	WSW	3	c	*	67	56	0.53	
London	29.31	61	SW	3	c	29.22	-40	61	57	-3	WSW	3	c	*	69	56	1.08	
Oxford	29.31	61	SW	3	c	29.22	-40	61	57	-3	WSW	3	c	*	69	56	1.08	
Cambridge	29.39	65	S	2	N	29.18	-42	61	59	-2	SW	3	o	*	71	56	0.79	
Yarmouth	29.49	63	S	4	b	29.19	-44	61	59	-3	SSW	5	c	3	65	59	0.54	
The Helgar.	29.50	64	S	4	N	29.30	-39	62	63	0	SE	2	N	*	*	*	0.24	
Cape Gris Nez	29.50	64	S	4	N	29.32	-38	61	59	0	SW	7	c	6	70	55	0.35	
Jersey	29.39	64	NW	5	o	29.37	-11	59	57	0	WNW	4	o	5	62	55	0.63	
Brest	29.41	63	WNW	5	m	29.58	-16	61	59	-2	W	5	b	5	64	?	0.95	
L'Orient	29.65	68	SW	6	N	29.66	-26	64	61	-2	NW	5	c	3	73	57	0.79	
Rochefort	29.68	79	Z	0	o	29.75	-18	63	61	-3	W	5	N	5	81	61	0.67	
Biarritz	29.68	79	Z	0	o	29.75	-18	63	61	-3	W	5	N	5	81	61	0.67	
Corunna	29.45	66	SW	6	c	29.45	0	66	66	0	SW	6	c	1	*	*	*	
Brussels	29.36	66	SW	6	c	29.36	-39	66	66	0	SW	6	c	1	*	*	*	
Charleville	29.40	62	W	3	o	29.40	-35	62	62	0	W	3	o	*	*	*	*	
Paris	29.58	67	SW	3	N	29.50	-31	60	60	0	WSW	3	o	*	*	*	0.12	
Lyons	29.66	72	SE	2	N	29.66	-23	72	72	0	SE	2	N	*	*	*	*	
Toulon	29.78	72	SW	3	m	29.69	-22	70	68	-2	SSE	3	m	4	79	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes	29.63	63	57	S	2	0	3	Valencia	29.46	61	58	nr	2	b-c	3
Thurso	29.43	55	55	SE	1	p	1	Scilly							
Scarborough	29.45	59	58	SSE	2	c	2	London	29.51	66	64	S	2	c	*
Greencastle	29.37	62	59	S	1	0	*	Rochefort	29.75	68	65	SW	6	0	4
Holyhead	29.38	60	59	NE	3	0	2								

No important change since the morning, excepting that the weather has become very showery in the E. of England. Rain has fallen in London almost continuously since 8 a.m.

EXPLANATION OF COLUMNS.

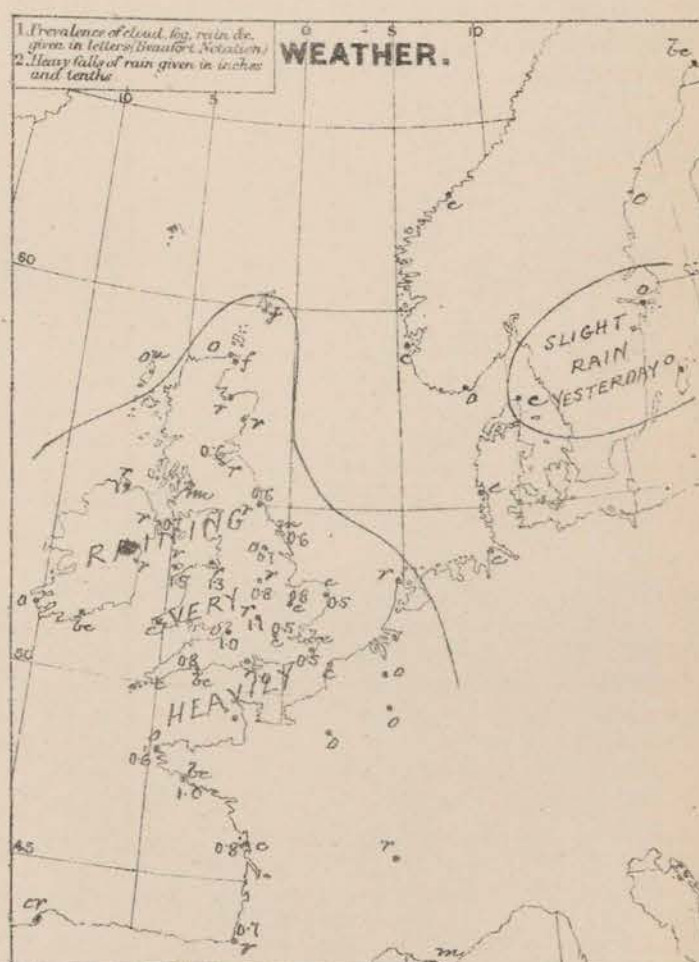
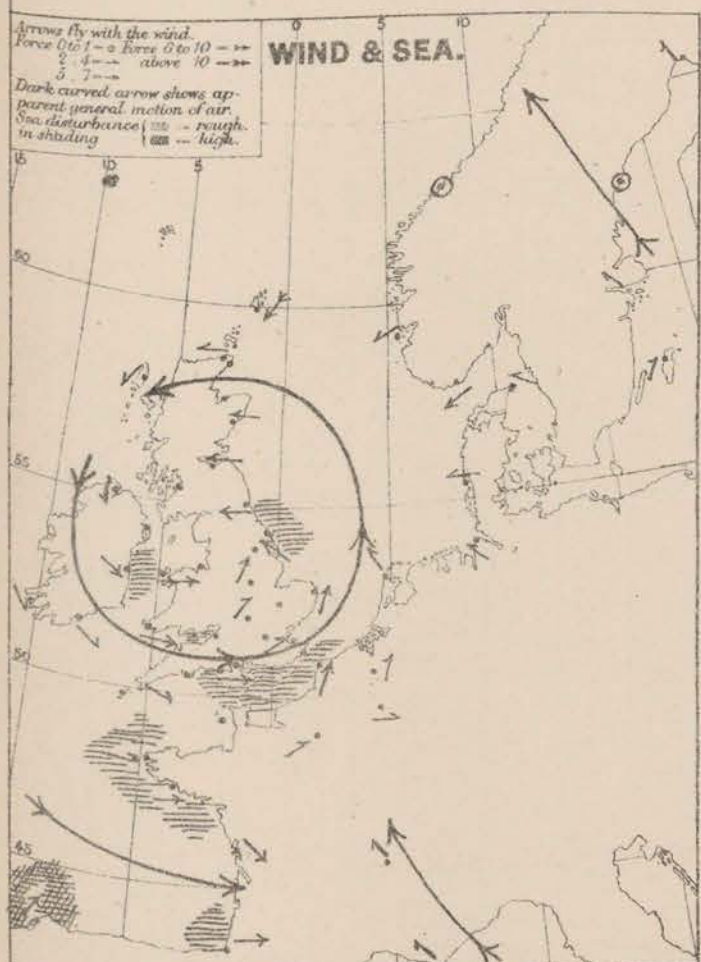
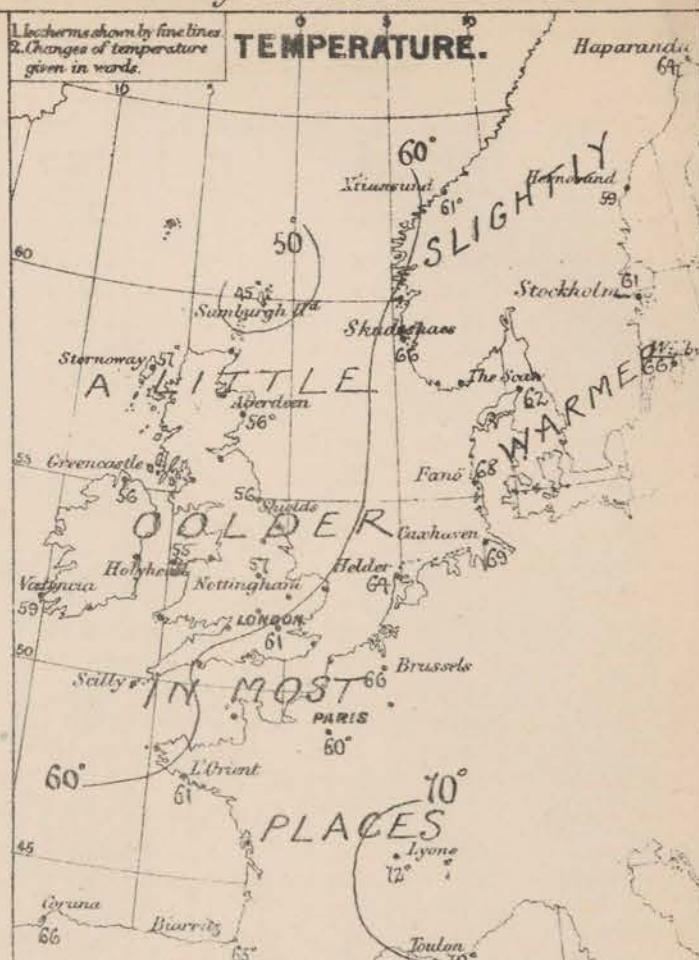
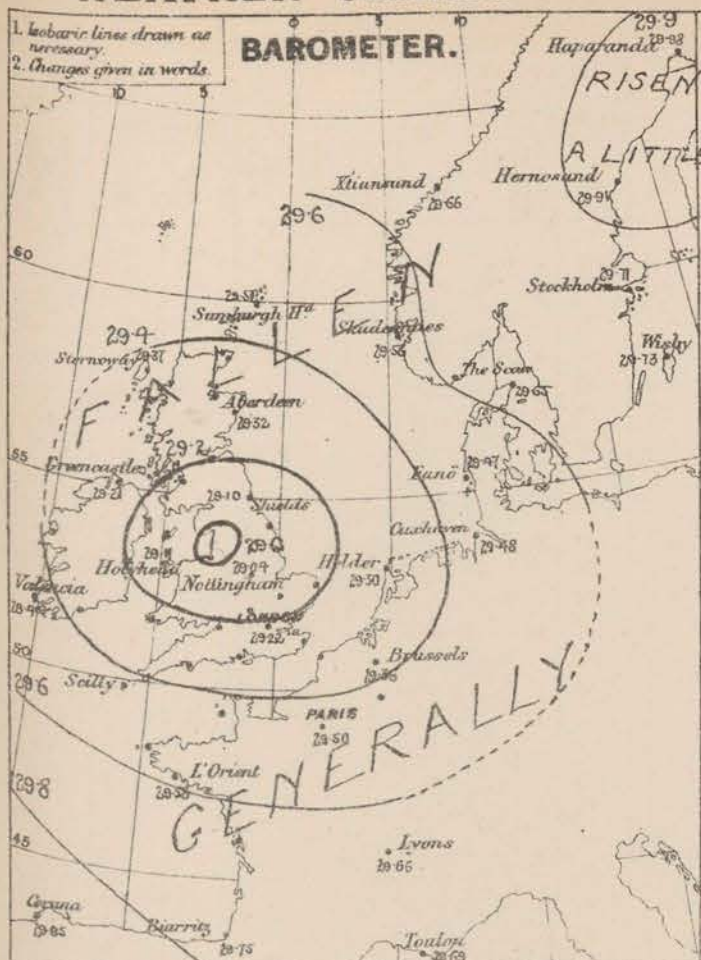
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Island, 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 JULY 10 1877.



REMARKS. Rain has fallen in all parts of the British Isles and France, the amount measuring about one inch and a half at Holyhead and L'Espoir, nearly an inch at Bournemouth, and about half an inch over the greater part of the country. The fall still holds generally. Temperature is depressing in most places, and the weather is cold. The maximum readings were between 80° in the S. of France, and 60° at Stornoway, and the present readings between 70° at Toulon, and 55° in the N. of Scotland. Wind is fresh or strong in force, on most coasts, and blows a fresh gale at Holyhead. It is W. in the S. of France, E. in the N. of France, and N. over Ireland. The sea is rough in the Channel, and Bay of Biscay, as well as at most of our exposed stations.

Barometrical Indications.

A comparatively slight depression, which lay over the S. of England, has during the night moved NW to the neighbourhood of Liverpool, while at the same time it has become much deeper. The readings at its centre are now 28.98 ins: and gradients are steep on all sides.

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 JULY 16TH 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	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.	Direc.	Force (0 to 15).			Max.	Min.			
Haparanda ...	29.94	63	Z	0	c	29.89	-0.09	68	60	+4	SE	0	b	*	*	*	-		
Hernösand ...	29.86	58	Z	0	o	29.83	-0.03	63	59	+4	E NE	2	b	*	*	*	0.12		
Stockholm ...	29.74	67	Z	0	b	29.74	+0.03	71	65	+10	E NE	4	b	*	*	*	-		
Wisby ...	29.73	59	NE	2	b	29.69	-0.04	71	66	+5	SE	4	b	*	*	*	-		
Christiansund ...	29.59	64	Z	0	t	29.60	-0.06	69	60	+8	SE	2	b	1	2	59	-		
Skudesnaes. ...	29.49	64	E NE	4	N	29.58	-0.03	60	59	-6	SW	2	N	3	12	?	0.98		
Oxö (Xtiansand) ...	29.54	59	NE	4	o	?	?	59	59	0	E	4	N	3	61	57	-		
Skagen (The Seaw) ...	29.59	64	SE	4	o	29.60	-0.05	62	60	0	SE	4	o	3	68	57	0.24		
Fanö ...	29.47	64	W SW	1	N	29.54	+0.07	63	60	-5	SSE	1	c	*	75	63	0.47		
Cuxhaven ...														*					
Sumburgh Head ...																			
Stornoway ...	29.38	58	NE	5	o	29.35	-0.02	57	56	0	NE	3	a g	5	61	53	0.49		
Thurso ...	29.37	55	E	4	N	29.41	-0.01	55	54	-1	E SE	2	o	2	60	52	0.42		
Wick ...	29.53	54	E	5	N	29.43	+0.08	55	53	0	E	2	f	1	56	52	0.22		
Nairn ...	29.39	56	NE	5	N	29.39	+0.03	56	54	-1	NE	2	b c	3	59	54	0.38		
Aberdeen ...	29.23	55	E	4	N	29.36	+0.14	58	56	+2	E SE	1	b	3	58	53	0.38		
Leith ...	29.29	54	E	5	o	29.20	-0.09	55	54	+1	SE	3	c	*	57	52	0.31		
Shields ...	29.09	58	S	5	o	29.25	+0.15	56	54	0	S SE	5	c	3	58	54	0.12		
Scarborough ...	29.15	60	S	4	o	29.28	+0.13	59	56	+4	S	4	c	4	61	53	-		
York ...	29.12	59	S	3	o	29.25	+0.13	59	56	-3	S	4	o	*	65	52	0.17		
Nottingham ...	29.19	59	SSW	6	o	29.26	+0.07	60	57	+3	SSE	4	o	*	65	54	0.03		
Ardrossan ...	29.09	60	E NE	5	o	29.14	-0.05	56	55	-5	E NE	4	MP	1	62	55	0.15		
Greencastle ...	29.13	58	N	3	N	29.18	-0.03	58	55	+2	N	2	o	*	60	55	0.88		
Donsghadee ...	29.04	55	N	4	c	29.12	-0.03	55	54	+1	N NE	4	o	4	55	53	0.53		
Kingstown ...	29.07	58	NNW	5	N	29.18	-0.05	59	57	+4	NNW	5	c	4	59	54	0.68		
Holyhead ...	29.03	56	W	5	N	29.15	+0.12	57	56	+2	NNW	4	o	3	57	54	0.41		
Liverpool (Bidston) ...	28.93	57	SW	5	o	29.14	+0.16	56	55	0	SSE	2	N	2	58	55	0.83		
Valencia ...	29.40	58	NW	4	o	29.45	+0.01	57	56	-2	NW	4	N g	4	62	54	0.15		
Roche's Point ...	29.31	58	NW	5	o	29.32	-0.01	58	56	0	NNW	5	N	4	62	52	0.19		
Pembroke ...	29.25	57	W	5	o	29.22	-0.06	57	56	+1	NNW	3	c	3	58	55	0.48		
Portishead ...	29.27	60	WSW	5	o	29.21	-0.01	56	56	-3	S	5	N W	4	63	54	0.25		
Scilly ...																			
Plymouth ...	29.35	62	W	3	o	29.30	-0.04	57	56	-4	SW	3	o	*	66	57	0.15		
Hurst Castle ...	29.33	62	W	6	b c	29.33	+0.03	59	59	-3	W	6	N	6	63	57	0.17		
Dover ...	29.38	60	SW	4	b	29.44	+0.06	61	59	0	SW	4	b	3	64	58	0.03		
London ...	29.31	61	SW	3	o	29.36	+0.05	60	58	-1	SSW	3	N	*	67	55	0.17		
Oxford ...	*	*	*	*	*	29.28	+0.07	58	57	0	S	2	N	*	69	54	0.13		
Cambridge ...	29.35	68	SW	3	b c	29.33	+0.02	61	59	0	SW	3	c	*	69	52	0.09		
Yarmouth ...	29.29	65	SSW	4	b	29.41	+0.12	62	60	+1	S	4	b c	3	66	56	0.02		
The Helder ...	*	*	*	*	*	29.48	+0.18	63	59	-1	S	1	b	*	*	*	0.04		
Cape Gris Nez ...	29.41	63	SW	4	b c	29.47	+0.06	59	57	-2	SW	4	e	3	66	57	0.08		
Jersey ...																			
Brest ...	29.55	64	NNW	4	o	29.57	+0.02	57	55	-2	W	4	o	5	62	54	0.12		
L'Orient ...	29.53	61	NNW	5	N	29.61	+0.03	59	55	-2	NNW	5	b c	5	68	54	0.04		
Rochefort ...	29.62	66	W	6	o	29.70	+0.04	61	59	-3	W	6	g	5	73	57	0.20		
Biarritz ...	29.78	70	SW	5	N	29.84	+0.06	63	57	0	SW	5	c	5	73	57	0.98		
Corunna ...	*	*	*	*	*	29.90	-0.05	65	*	-1	SW	3	d c	*	*	*	*		
Brussels ...	*	*	*	*	*	29.82	+0.06	60	*	-6	SSW	?	o	*	*	*	0.09		
Charleville ...	*	*	*	*	*	29.53	+0.13	59	*	-3	SW	3	p	*	*	*	*		
Paris ...	29.51	64	SW	4	b c	29.59	+0.09	58	*	-2	SSW	3	o	*	*	*	0.04		
Lyons ...	*	*	*	*	*	29.82	+0.16	68	*	-4	S	2	b	*	*	*	-		
Toulon ...	29.69	64	NW	5	e	29.82	+0.13	57	55	-13	NW	5	N	4	73	?	0.04		

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	29.52	67	54	E NE	4	3					
Thurso											
Scarborough											
Greencastle						*					
Holyhead											
Valencia											
Scilly											
London											
Rochefort	29.65	66	61	W	6	N	5				

EXPLANATION OF COLUMNS.

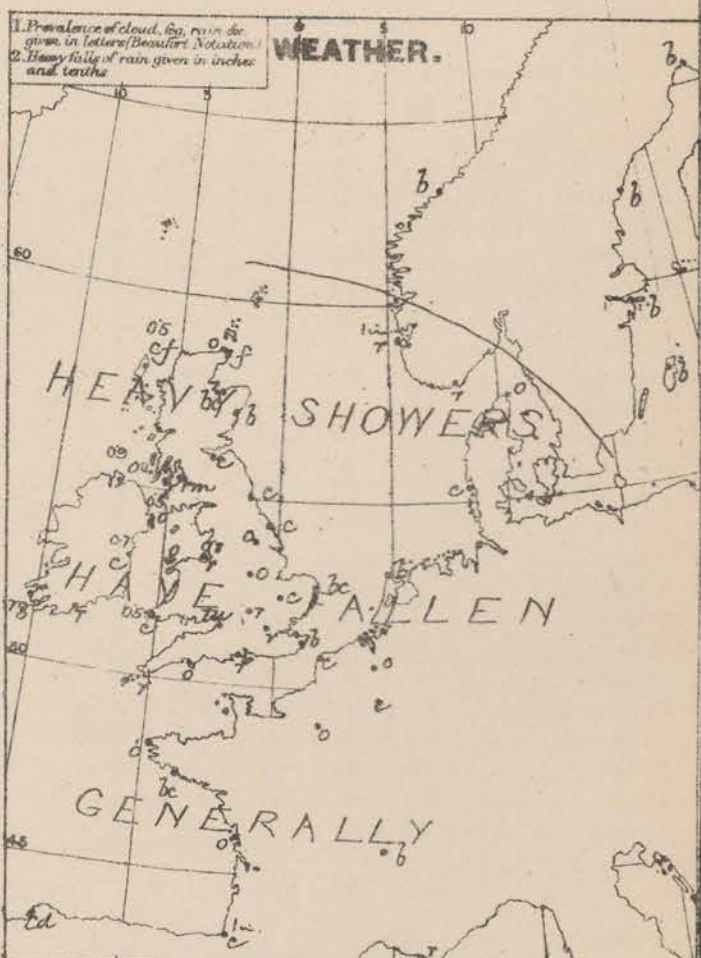
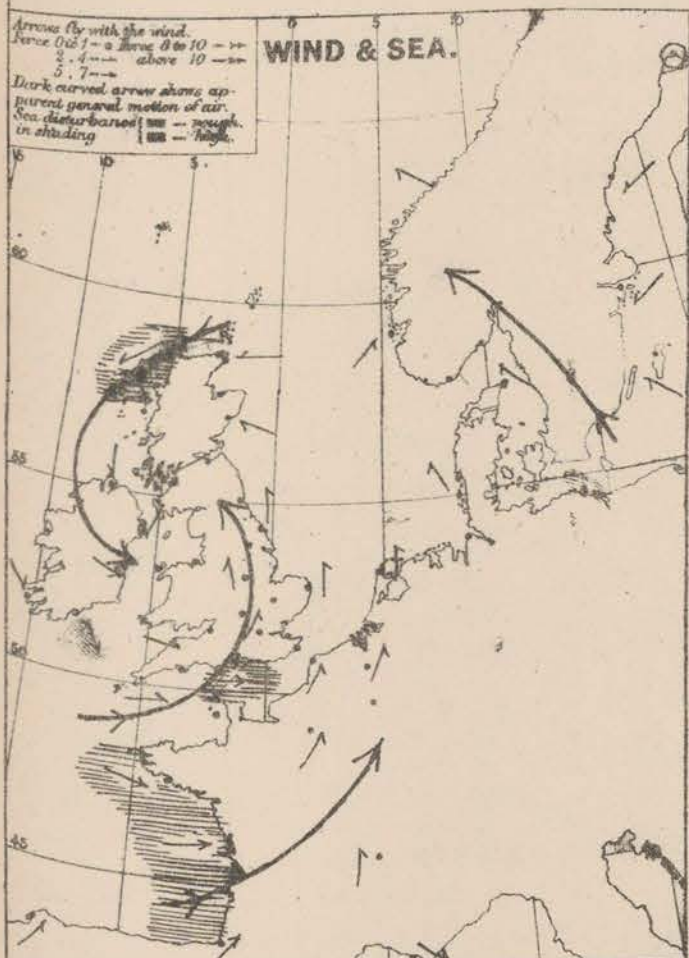
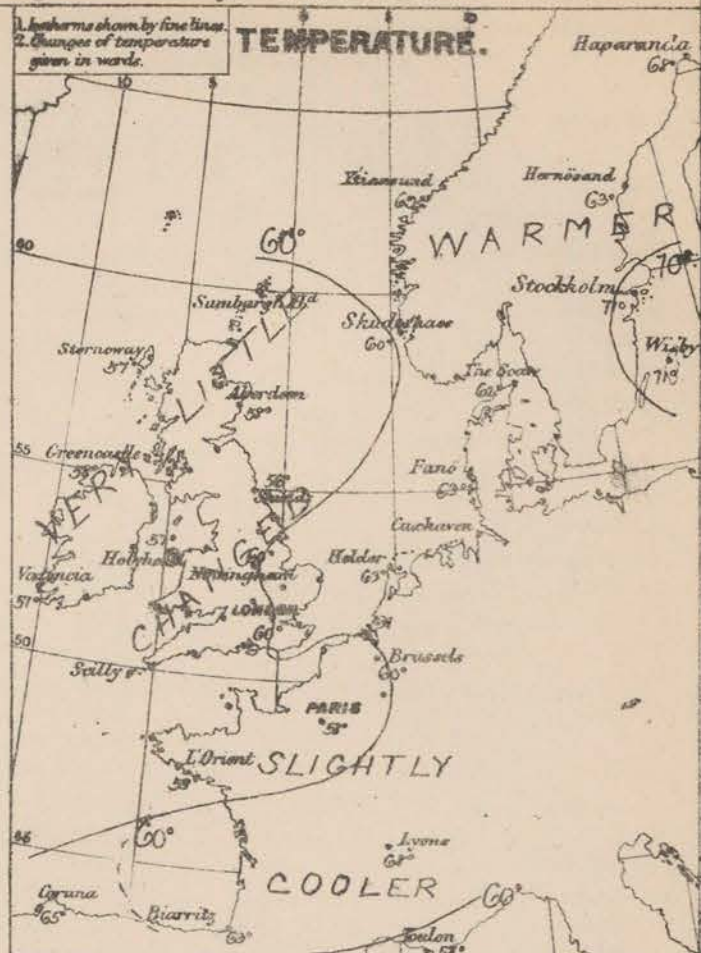
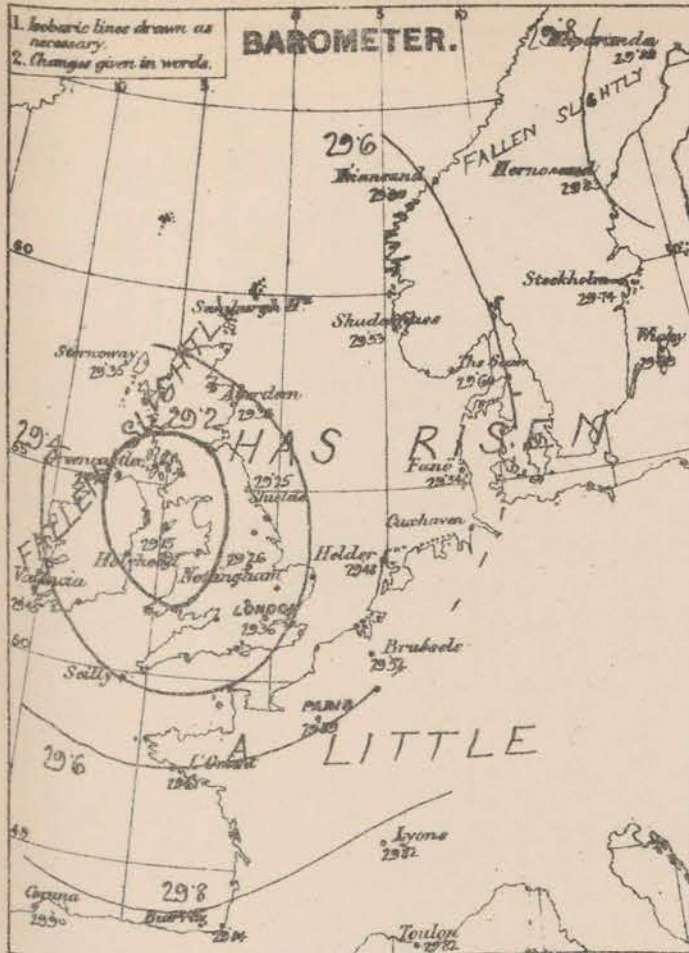
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. mist (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 16th JULY 1877.



REMARKS. In Sweden the sky is quite clear but in all parts of Western Europe the exceedingly wet and unsettled weather of last week continues uninterruptedly. In many places the rainfall during the past 24 hours is about half an inch, while at Newcastle, Liverpool and Biarritz it exceeds 0.8 in. Thunder was heard in London at about one from yesterday. Temperature is higher this morning in Sweden (70°) than in any other part of our area, the thermometer over these Islands and the greater part of France varying between 63° and 55°. The maximum readings yesterday were 69° in the south-east of England, and 66° to 60° elsewhere. The wind is fresh from W. in the south, and from S in the east; light from E in the north, and from N. in the west. On Sunday morning the wind rose to a fresh gale for a short time at Holyhead. The sea is rough in the Bay of Biscay and at Hurst Castle, moderate to slight elsewhere.

Barometric Indications. A deep well-defined depression was shown lying over the north of England by yesterday morning's observations, and the barometer was falling in all parts of Western Europe but since that time the centre has apparently been slowly filling up, and this morning a slight recovery is taking place generally. The barometer is however far from already having slight local disturbances, in addition to the large depression in the north-west, appear to be passing over us.

DAILY WEATHER REPORT JULY 17TH 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda														*	*	*		
Hernösand														*	*	*		
Stockholm														*	*	*		
Wisby														*	*	*		
Christiansund	29.86	69	?	3	b	29.52	-.08	74	63	+5	E	3	b	2	75	61	-	
Skudesnaes														*	*	*		
Oxö (Xtiansand)	29.50	60	S	4	h	29.58	?	59	58	0	E N E	2	c	2	?	55	*	
Skagen (The Sæw)	29.47	60	N W.	2	h	29.62	+0.02	60	59	-2	Z	0	0	0	66	52	0.67	
Fanö	29.53	62	S	1	c	29.54	.00	64	60	+1	S E	4	b	*	72	57	-	
Cuxhaven														*	*	*		
Sumburgh Head	29.52	55	E	2	g	29.48	+.04	55	55	+1	S W	1	m	2	56	52	0.94	
Stornoway	29.40	62	N E	3	b	29.43	+.08	58	56	+1	S E	1	b	2	62	48	-	
Thurso	29.46	57	E S E	2	o	29.46	+.05	55	55	0	E	1	o f	2	61	52	0.01	
Wick	29.48	52	E	2	o	29.47	+.04	54	54	-1	E	1	o f	1	56	47	0.01	
Nairn	29.43	65	N E	2	b c	29.47	+.08	54	53	-2	Z	0	f	1	67	49	-	
Aberdeen	29.42	58	Z	0	o	29.43	+.07	56	55	-2	N E	1	m	2	61	53	0.06	
Leith	29.29	56	E	4	b c	29.39	+.19	54	54	-1	N E	3	h	*	63	53	0.05	
Shields	29.30	56	E S E	5	c	29.30	+.05	55	55	-1	E N E	2	d m	3	60	54	0.09	
Scarborough	29.31	55	S S E	4	c	29.30	+.02	57	56	-2	S W	2	o	2	59	54	0.32	
York	29.27	59	S E	2	h	29.32	+.07	58	57	-1	S W	1	o	*	63	53	0.31	
Nottingham	29.30	59	S W	2	h	29.38	+.12	58	58	-2	S W	1	h	*	65	54	0.27	
Ardrossan	29.22	59	E N E	3	o	29.42	+.28	61	58	+5	N	2	b c	1	62	53	0.37	
Greencastle	29.28	55	N N E	1	o	29.45	+.27	54	54	-4	N W	3	h	*	62	53	1.35	
Donaghadee	29.25	54	N W	3	c	29.44	+.32	59	57	+4	N W	3	c	2	59	53	0.03	
Kingstown	29.29	60	N W	5	c	29.52	+.32	55	54	-4	N W	6	o	5	63	54	0.07	
Holyhead	29.25	57	W S W	3	o	29.44	+.29	55	54	-2	W N W	7	m m	5	60	54	0.11	
Liverpool (Bidston)	29.25	59	W	2	o	29.37	+.23	57	56	+1	W	5	d	4	61	55	0.14	
Valencia	29.61	57	N W	4	o	29.81	+.36	57	54	0	W N W	5	c	4	60	52	0.01	
Roche's Point	29.47	59	N N W	7	o	29.69	+.37	57	53	-1	N W	4	c	3	62	52	0.08	
Pembroke	29.34	57	W N W	5	o	29.59	+.27	54	53	-3	W N W	6	o	5	60	53	0.03	
Portishead	29.32	60	S W	4	h	29.50	+.29	56	55	0	W S W	6	o	5	64	53	0.27	
Seilly														*	*	*		
Plymouth	29.42	60	W	4	o	29.67	+.37	56	55	-1	W	5	o	*	64	55	0.08	
Hurst Castle	29.37	62	W	5	b c	29.55	+.22	60	57	+1	W	6	o	6	62	57	0.32	
Dover	29.42	59	S S W	5	c	29.49	+.05	62	58	+1	W S W	4	b c	4	64	58	0.20	
London	29.35	62	S S W	3	o	29.46	+.10	58	56	-2	W	3	u o	*	63	55	0.91	
Oxford	*	*	*	*	*	29.45	+.17	59	56	+1	W S W	3	o	*	66	56	0.39	
Cambridge	29.31	60	S W	2	h	29.41	+.08	58	57	-3	S W	3	o	*	65	54	0.25	
Yarmouth	29.40	60	S S W	6	h	29.40	-.01	61	59	-1	S W	4	q c	3	64	55	0.31	
The Helder	*	*	*	*	*	29.44	-.04	62	60	-1	S	3	o	*	*	*	0.08	
Cape Gris Nez	29.46	61	S W	5	h	29.47	00	61	59	+2	S W	6	c	5	63	57	0.12	
Jersey														*	*	*		
Brest	29.68	63	W	4	g	29.91	+.34	55	54	-2	N W	4	g	5	?	54	0.16	
L'Orient	29	57	W N W	5	h	29.89	+.28	57	57	-2	N W	5	m	4	61	?	0.32	
Roche fort	29.77	70	W	6	b c	29.90	+.20	64	61	+3	W N W	6	o	5	?	57	-	
Biarritz	29.88	72	W N W	4	b	30.06	+.22	59	59	-4	S W	5	h	5	?	57	0.08	
Corunna	*	*	*	*	*			*	*					*	*	*		
Brussels	*	*	*	*	*	29.58	+.06	62	*	0	S S W	?	o	*	*	*	0.29	
Charleville	*	*	*	*	*	29.59	+.06	58	*	-?	S	3	c h	*	*	*	*	
Paris	29.61	61	W S W	3	h	29.73	+.14	61	*	+3	S W	5	o	*	*	*	0.16	
Lyons	*	*	*	*	*	29.96	+.14	66	*	-2	S E	2	c	*	*	*	*	
Toulon	29.85	66	W	4	b c	29.96	+.14	64	55	+7	N	4	o	3	66	55	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	29.57	59	58	Z	0	h g	3	Valencia	29.54	59	57	NW	4	o g g	4
Thurso	29.44	59	56	ESE	3	b c	3	Seilly							
Scarborough ...	29.31	57	55	SSSE	5	c	4	London	29.35	63	60	S	2	h o	*
Greencastle ...	29.24	59	57	NNE	2	o	*	Roche fort ...	29.73	68	61	W	6	o	5
Holyhead	29.23	57	56	WSW	2	o g	1								

The weather remains squally, dull, and wet generally and the winds remain fresh in the E. The depression is apparently filling up slowly.

EXPLANATION OF COLUMNS.

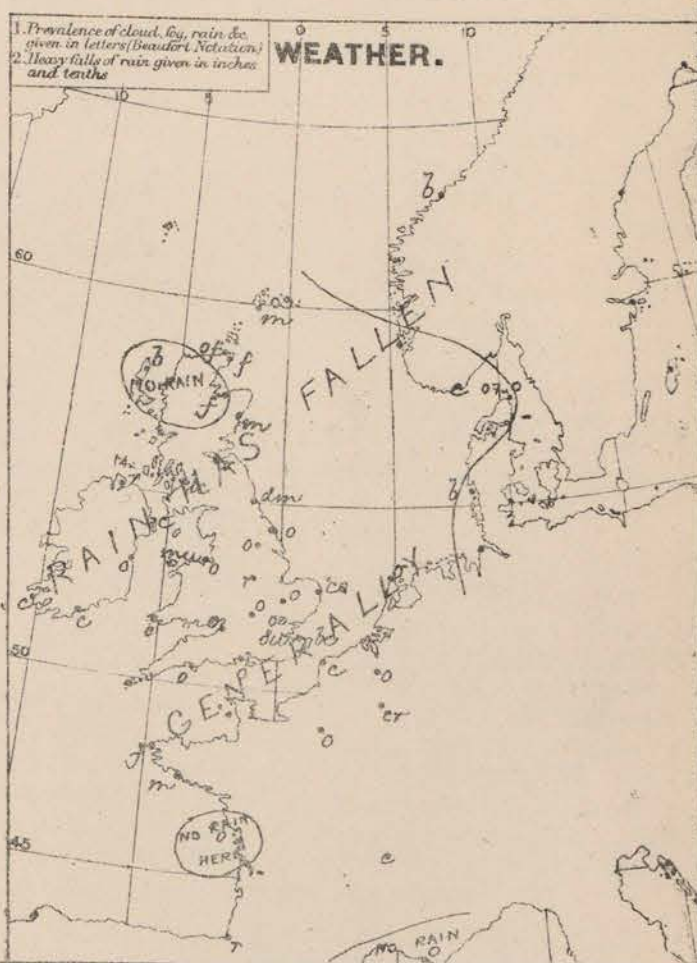
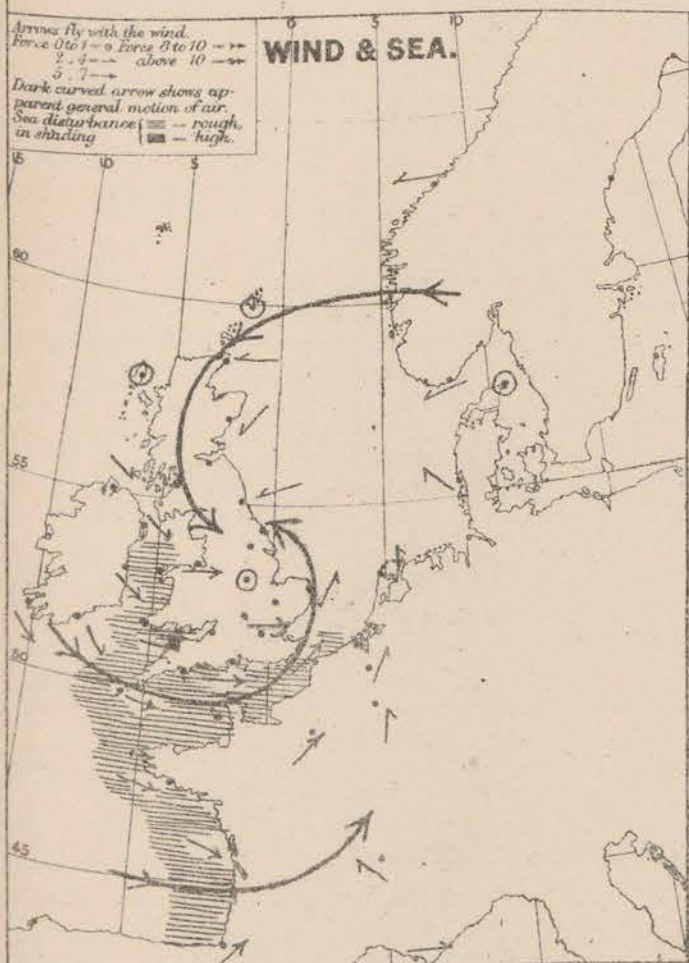
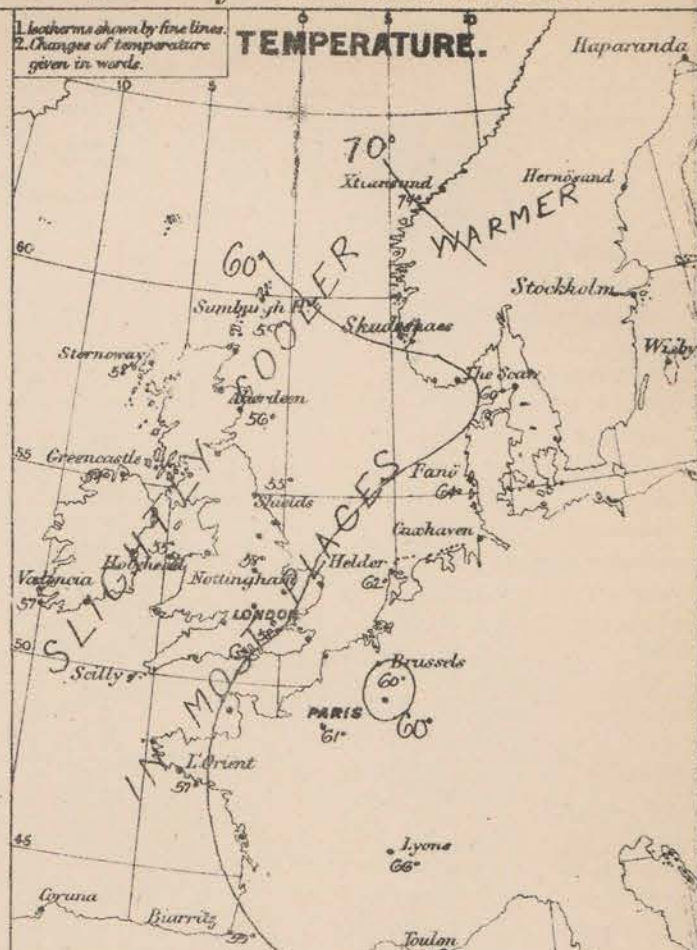
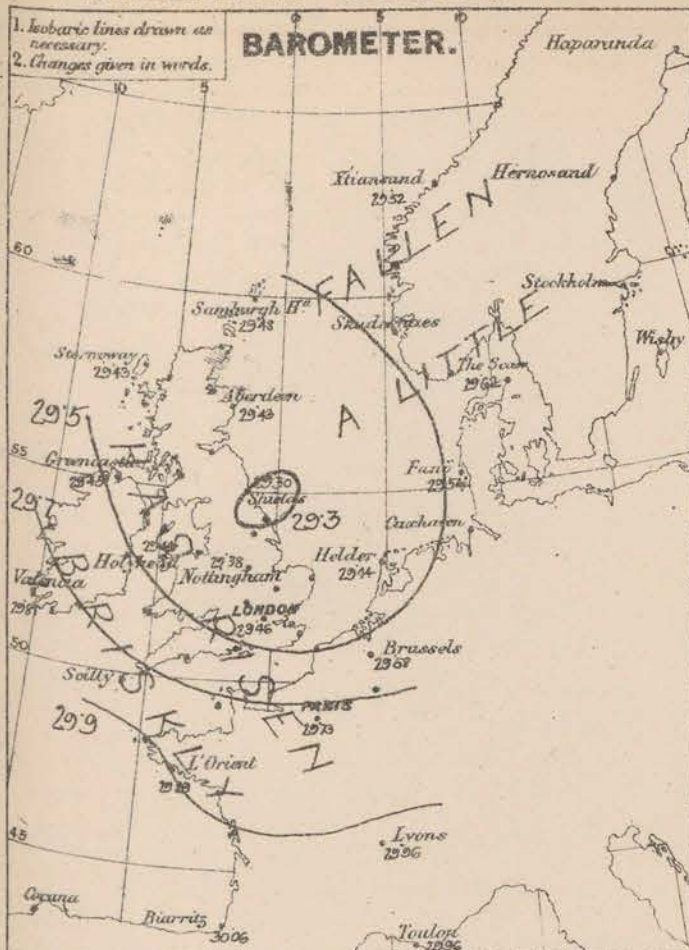
WEATHER.—Beaufort Scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 17th JULY 1877.



REMARKS. Very wet dull weather still prevails generally, and at our northern stations a thick fog has set in during the past 24 hours. The largest falls of rain are 1.35 in. at Newcastle, 0.94 in. in the Shetlands and 0.91 in. in London. Temperature is changing little and irregularly and remains very low over these islands and France for the time of year. At Christiansund, however, the thermometer has risen and now reads 74° or 16° higher than London, and 15° higher than Biarritz. The maximum readings yesterday only exceeded 65° at one station (Narvik) within the British Isles, while in the Shetlands, at Wick, Lerwick and Dargachadey they did not reach 60°. The wind is light from E in the north but at our western, northern and south eastern stations fresh or strong breezes from between W and NW have been blowing all night. The sea is rough at Hurst Castle and in the Bay of Biscay and Irish Sea, slight elsewhere.

Barometrical Changes. The deep depression which yesterday lay over our north western stations has since moved E^{ly} and is now shown off the Yorkshire coast. It is at the same time filling up and the barometer is rising generally, though the change is very slight at our north eastern stations.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT JULY 18TH 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 ft. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force, (0 to 12).		Reading at 320 ft. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*	*	*		
Skudesnaes ...	29.58	60	WNW	1	c	29.57		66	60		WNW	2	0	2	?	59	-	
Oxö (Årland) ...	29.61	61	E	4	o	29.57	-0.1	60	59	+1	N	2	0	3	67	57	-	
Skagen (The Sea) ...	29.63	63	SE	2	o	29.58	-0.4	63	61	+3	WNW	3	6	1	64	54	-	
Fanö ...	29.58	63	SW	4	c	29.60	+0.6	66	62	+2	SW	4	0	*	68	59	-	
Cuxhaven ...	29.62	?	SW	2	l	29.68	+0.8	63	61	-4	SW	3	0	*	*	57	0.26	
Sumburgh Head ...	29.55	56	NE	3	m	29.65	+1.4	56	54	+1	NE	5	0	3	58	52	-	
Stornoway ...	29.51	61	NW	1	c	29.72	+2.9	55	51	-3	NW	1	0	1	64	51	-	
Thurso ...	29.52	58	E	1	o	29.65	+1.9	53	53	-2	WNW	2	8/10	2	65	53	0.04	
Wick ...	29.54	57	E	1	l	29.65	+1.8	55	55	+1	NE	1	0	0	61	52	0.24	
Nairn ...	29.52	56	ENE	2	l	29.65	+1.8	55	54	+1	Z	0	0	2	62	53	0.22	
Aberdeen ...	29.46	57	NNE	2	l	29.58	+1.8	56	55	0	WNW	3	0	1	62	55	0.37	
Leith ...	29.44	57	E	2	N	29.64	+2.5	53	53	-1	W	1	0	*	63	52	1.08	
Shields ...	29.44	56	N	4	N	29.64	+3.4	56	54	+1	NW	2	0	3	56	53	0.70	
Scarborough ...	29.43	58	WNW	3	c	29.66	+3.6	62	57	+5	WN	4	0	3	64	55	0.16	
York ...	29.47	58	N	2	N	29.70	+3.8	57	54	-1	N	4	0	*	64	52	0.44	
Nottingham ...	29.57	60	WNW	6	o	29.80	+4.2	61	56	+3	WNW	5	0	*	68	53	-	
Ardrossan ...	29.53	58	WNW	4	c	29.70	+2.8	55	53	-6	WNW	5	0	4	66	54	-	
Greencastle ...	29.62	54	NW	3	N	29.76	+3.1	55	50	+1	WNW	2	8	*	56	50	0.39	
Donaghadee ...	29.62	59	N	4	c	29.78	+3.4	57	54	-2	W	4	6	3	61	52	0.16	
Kingstown ...	29.71	60	NW	7	l	29.86	+3.4	54	50	-3	W	4	0	3	61	50	-	
Holyhead ...	29.65	56	WNW	6	o	29.83	+3.9	55	52	3	WNW	4	0	4	57	52	0.02	
Liverpool (Bidston) ...	29.57	56	W	7	o	29.80	+4.3	54	51	-3	W	4	0	4	60	54	-	
Valencia ...	29.96	57	NW	4	c	29.86	+0.5	58	58	+1	N	3	0.09	4	62	51	0.23	
Roche's Point ...	29.89	58	NW	5	l	29.88	+1.9	55	54	+2	SW	3	1	3	61	51	0.10	
Pembroke ...	29.74	58	WNW	5	l	29.90	+3.1	55	52	+1	N	3	0	2	59	53	0.01	
Portishead ...	29.75	59	W	3	c	29.89	+3.9	57	53	+1	W	3	0	3	61	52	0.09	
Scilly ...																		
Plymouth ...	29.81	61	NW	4	l	29.98	+3.1	56	53	0	WSW	3	0	*	66	51	-	
Hurst Castle ...	29.73	61	NW	4	o	29.93	+3.8	58	55	-2	WNW	4	6	4	61	54	-	
Dover ...	29.66	59	WSW	4	c	29.87	+3.8	58	55	-4	N	3	6	3	63	56	0.07	
London ...	29		W	3		29.86	+4.0	60	58	+2	WNW	2	6	*	62	52	-	
Oxford ...	*	*	*	*	*	29.86	+4.1	58	52	-1	WNW	3	6	*	64	53	-	
Cambridge ...	29.58	60	N	3	o	29.84	+4.3	57	55	-1	SW	3	0	*	65	54	0.05	
Yarmouth ...	29.52	61	WSW	3	N	29.75	+3.5	56	55	-5	WNW	4	0	2	65	54	-	
The Helder ...	*	*	*	*	*	29.69	+2.5	61	58	-1	WSW	2	0	*	*	*	0.08	
Cape Gris Nez ...	29.67	59	WSW	7	o	29.85	+3.8	59	54	-2	WSW	5	0	4	63	57	-	
Jersey ...																		
Brest ...																		
L'Orient ...	30.02	59	NW	5	c	30.15	+2.6	59	55	+2	WNW	3	0	3	66	54	0.08	
Rochefort ...	30.05	66	NW	6	c	30.1	+2.5	63	59	+1	NW	6	0	5	68	57	0.08	
Biarritz ...	30.18	70	WSW	5	c	30.28	+1.9	63	59	+4	WSW	4	0	4	?	57	0.16	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.83	+2.5	57	*	-3	?	?	0	*	*	*	0.28	
Charleville ...	*	*	*	*	*	29.88	+2.9	57	*	-1	SE	3	1	*	*	*	*	
Paris ...	29.83	63	W	4	l	30.00	+2.7	59	*	-2	NW	4	6	*	*	*	0.35	
Lyon ...	*	*	*	*	*	30.16	+2.0	66	*	0	NW	2	0	*	*	*	*	
Toulon ...	30.00	70	W	5	l	30.05	+0.9	63	54	-1	NW	6	6	*	75	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.57	65	60	WSW	3	c	4	Valencia	29.90	60	54	NW	5	c 9/5
Thurso	29.43	62	59	E	2	c	2	Scilly						
Scarborough ...	29.35	57	56	WSW	1	l	2	London	29.57	62	57	W	3	0
Greencastle ...	29.53	55	55	NW	2	l	*	Rochefort ...	29.99	66	61	NW	6	c
Holyhead	29.56	56	54	W	6	o	5							

Rain is falling in the east and elsewhere the sky is cloudy and the weather squally. The barometer is rising everywhere.

EXPLANATION OF COLUMNS.

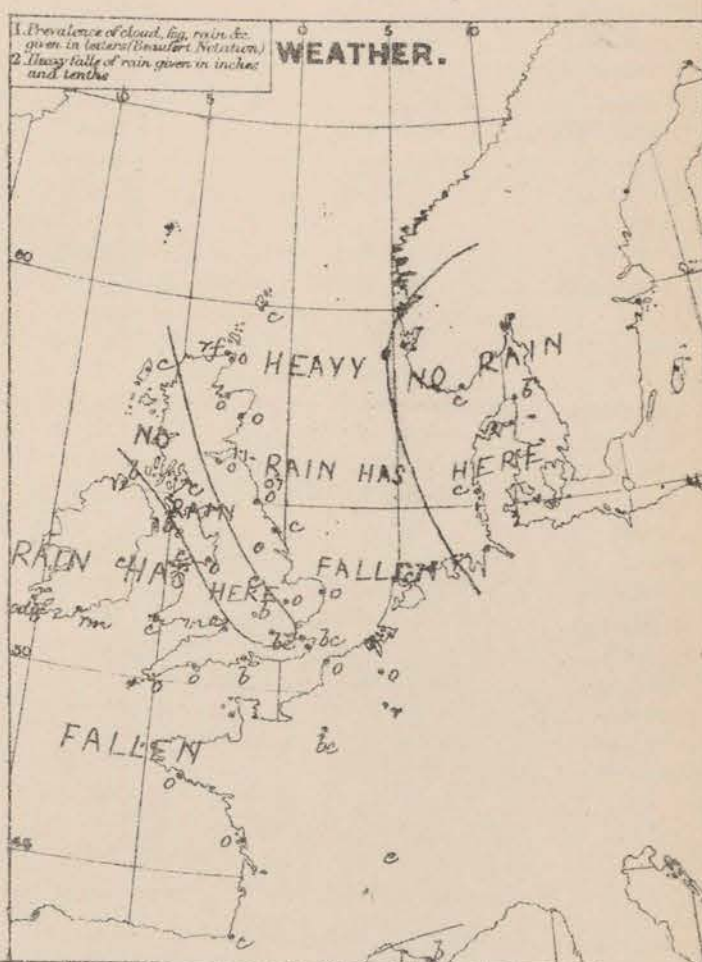
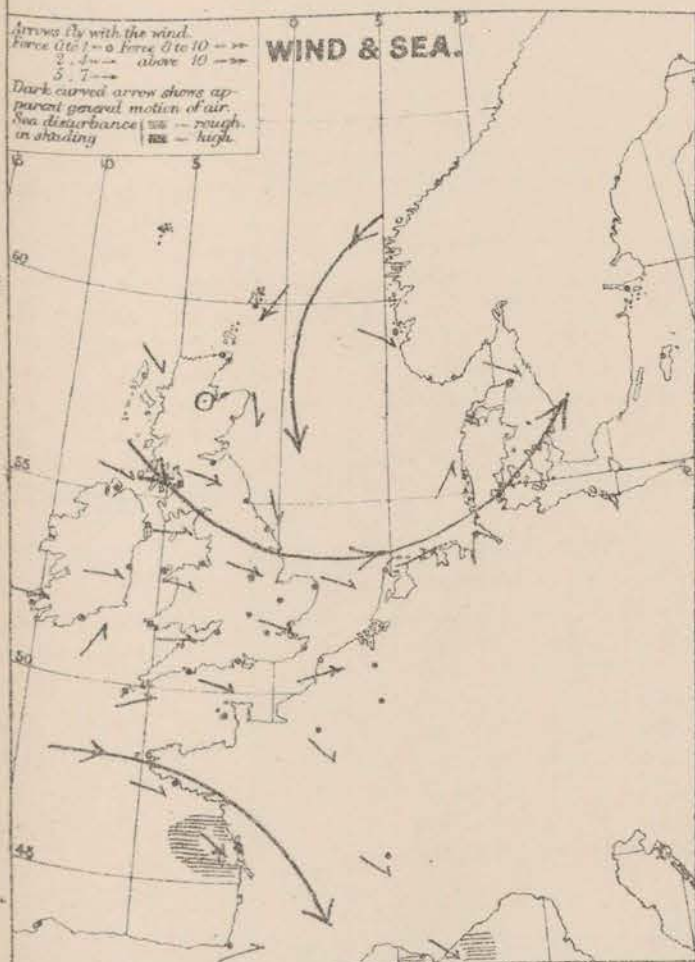
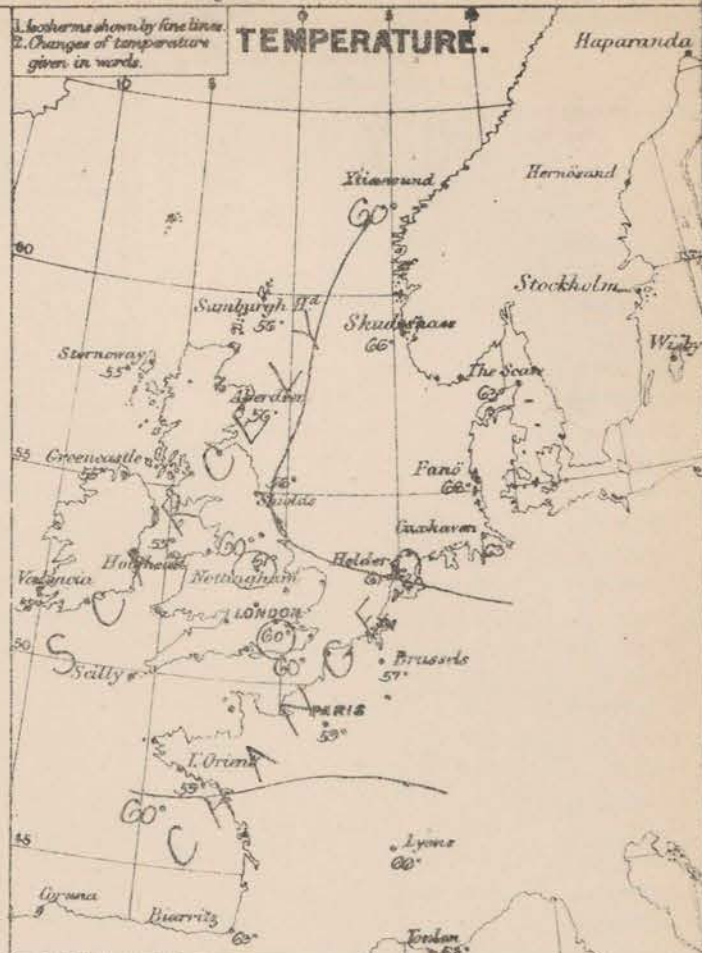
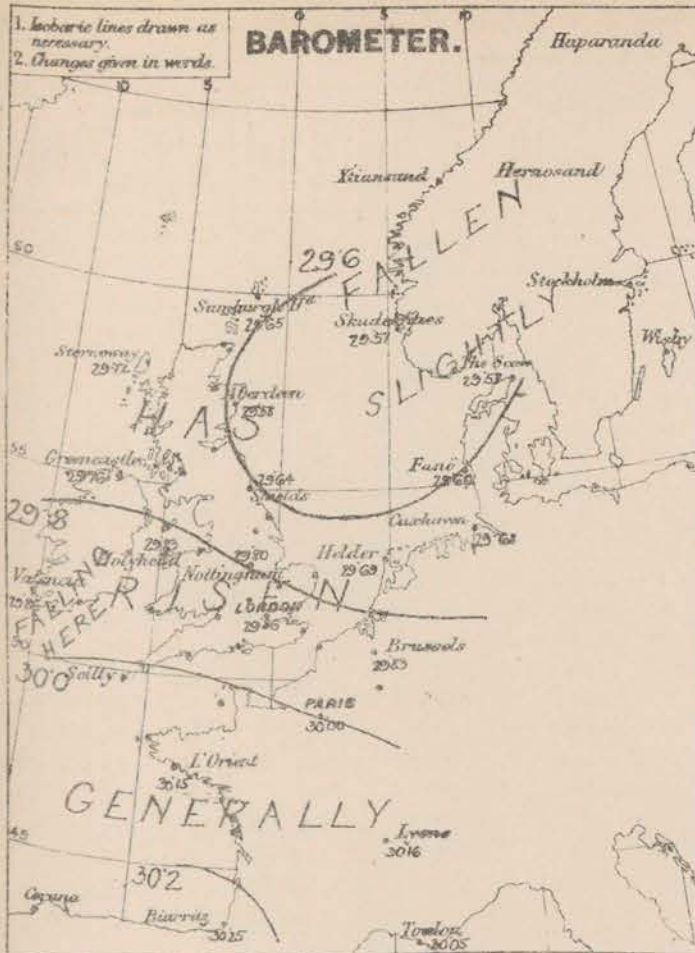
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

WEATHER CHARTS *for 8 a.m. on Wednesday 18th JULY 1877.*



REMARKS. A slight improvement in the weather occurred generally during last night, and the sky is still comparatively clear at our south eastern and north western stations but elsewhere it has become cloudy or overcast, and rain is again advancing over us from the W.^d During yesterday rain fell in many places, the largest amounts occurring on our north east coasts. Temperature is almost unchanged. It now varies between 50° and 60° over these Islands and the north of France, being three or four degrees below the normal height. The maximum reading in London yesterday was only 62° and the highest over the country was only 60° at Nottingham. The wind is N^W to NW in the north, and W in the south but in the south of Ireland it is backing quickly. It is generally fresh to moderate in force. The sea is moderate to slight.

Barometric Indications The barometer has continued to rise during the past 24 hours over France and the greater part of these Islands, the change over Central England amounting to 0.4 in. but a fresh and rather brisk decrease has commenced in Ireland during the night. The centre of yesterday's depression now lies over the North Sea, and the gradients around it have decreased considerably.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JULY 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. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda	29.76	65	Z	0	b	29.85	59	52		NE	4	b	*	*	*	-			
Hernösand	29.71	61	NE	4	c	29.69	59	57		NE	4	c	*	*	*	0.12			
Stockholm	29.46	60	NNW	2	N	29.47	60	59		N	2	N	*	*	*	1.50			
Wishy	29.57	62	W	4	o	29.56	60	58		W	6	N	*	*	*	0.04			
Christiansund	29.61	59	W	2	b	29.61	60	57	0	WSW	1	b	2	66	55	-			
Skudesnaes	29.62	55	NNW	5	g	29.63	57	56	-9	NNW	4	g	2	66	55	-			
Oxö (Xtiansand)	29.61	61	SSW	4	c	29.60	59	57	-1	SSW	2	o	2	66	55	-			
Skagen (The Seaw)	29.63	60	WSW	2	o	29.63	60	58	-3	WSW	3	o	1	73	52	-			
Fanö	29.71	60	WSW	4	c	29.69	61	59	-5	W	4	o	*	66	57	0.04			
Cuxhaven	29.77	?	NNW	4	o	29.78	61	60	-2	WSW	3	o	*	?	55	0.08			
Sumburgh Head	29.76	61	NNW	2	c	29.70	53	52	-3	NNW	2	g	1	62	50	-			
Stornoway	29.80	57	NNW	1	o	29.64	58	56	+3	SSW	1	b	2	58	52	-			
Thurso	29.77	57	Z	0	o	29.69	59	57	+6	SSW	2	b	3	60	52	0.15			
Wick	29.77	56	N	1	o	29.72	54	54	-1	SE	2	g	0	57	49	0.04			
Nairn	29.79	57	Z	0	N	29.71	56	55	+1	Z	0	g	1	57	54	0.53			
Aberdeen	29.71	59	NNE	1	o	29.73	56	54	0	S	1	o	1	62	54	-			
Leith	29.75	61	W	2	c	29.74	60	55	+7	W	1	c	*	67	52	0.02			
Shields	29.76	58	W	3	o	29.79	55	53	-1	W	1	om	2	59	52	0.02			
Scarborough	29.78	59	W	2	o	29.79	60	55	-2	W	1	b	1	65	53	-			
York	29.80	59	W	1	o	29.82	56	53	-1	SSW	1	c	*	63	45	-			
Nottingham	29.83	62	SW	2	b	29.84	60	56	-1	SSW	1	o	*	70	44	-			
Ardrossan	29.78	61	NNW	3	b	29.75	55	52	0	SE	1	b	c	62	48	-			
Greencastle	29.81	59	E	2	b	29.65	59	57	+4	S	2	o	*	65	48	-			
Donaghadee	29.82	56	SE	3	b	29.74	54	54	-3	ESE	2	g	1	61	50	-			
Kingstown	29.84	61	SE	3	c	29.78	60	57	+6	ESE	3	b	c	61	52	0.01			
Holyhead	29.85	57	SW	2	c	29.72	57	57	+2	WSW	1	m	0	59	54	0.01			
Liverpool (Bidston)	29.85	57	NNW	2	b	29.79	57	54	+3	ESE	1	o	1	60	51	-			
Valencia	29.89	60	W	3	o	29.81	59	58	+1	WSW	4	o	g	63	55	0.17			
Roche's Point	29.88	61	W	3	c	29.81	59	57	+4	W	3	o	3	65	55	0.02			
Pembroke	29.84	62	Z	0	g	29.83	58	57	+3	W	1	o	2	63	55	0.01			
Portishead	29.86	60	SW	3	o	29.84	60	60	+3	WSW	3	m	3	63	54	0.04			
Scilly																			
Plymouth	29.90	62	SW	1	o	29.89	60	59	+4	WSW	2	o	*	63	55	0.08			
Hurst Castle	29.90	58	SSW	3	N	29.87	61	56	+3	W	1	c	1	62	56	0.02			
Dover	29.91	60	WSW	4	b	29.85	59	58	+1	SW	1	c	2	65	56	0.13			
London	29.89	63	SW	3	o	29.85	61	58	+1	S	1	o	*	68	55	-			
Oxford	*	*	*	*	*	29.84	62	59	+4	Z	0	o	*	66	56	-			
Cambridge	29.86	56	W	2	c	29.86	60	58	+3	SW	1	o	*	66	47	-			
Yarmouth	29.83	62	W	2	b	29.83	59	55	+3	NNW	1	L	1	62	54	-			
The Helder	*	*	*	*	*	29.81	61	58	0	W	1	b	c	*	*	*	-		
Cape Gris Nez	29.90	?	WSW	6	o	29.87	59	57	0	SW	1	b	0	63	52	0.08			
Jersey																			
Brest	30.10	63	W	3	o	30.06	59	59	+2	W	3	g	5	?	55	0.20			
L'Orient	30.10	59	NNW	4	m	30.07	59	59	0	NNW	4	m	4	68	55	0.12			
Rochefort	30.17	66	NNW	7	N	30.08	64	63	+1	NNW	6	N	5	68	55	0.16			
Biarritz	30.24	70	NNW	3	b	30.18	64	61	+1	SSW	3	c	13	?	59	-			
Corunna	*	*	*	*	*									*	*	*			
Brussels	*	*	*	*	*	29.85	57	*	0	SW	1	o	*	*	*	0.06			
Charleville	*	*	*	*	*	29.79	57	*	0	E	3	o	d	*	*	*			
Paris	30.02	64	W	4	o	29.90	60	*	+1	WSW	3	N	*	*	*	0.04			
Lyons	*	*	*	*	*	30.04	66	*	0	SSW	2	c	*	*	*	*			
Toulon	30.04	?	NNW	6	o	30.00	64	57	+1	NNW	6	b	c	75	59	-			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.61	63	60	W N W	4	b c	2	Valencia	29.87	61	60	W S W	3	o g d	4
Thurso	29.73	54	54	N N W	1	N	2	Scilly							
Scarborough ...	29.74	63	58	W N W	4	c	3	London	29.89	65	55	S W	3	c	*
Greencastle ...	29.79	61	54	S E	2	b c	*	Roche's Point ...	30.19	66	61	W N W	5	c	*
Holyhead	29.85	58	54	S W	4	c	3								

A drizzling rain is falling at Valencia but elsewhere the sky is moderately clear. Pressure is not changing much.

EXPLANATION OF COLUMNS.

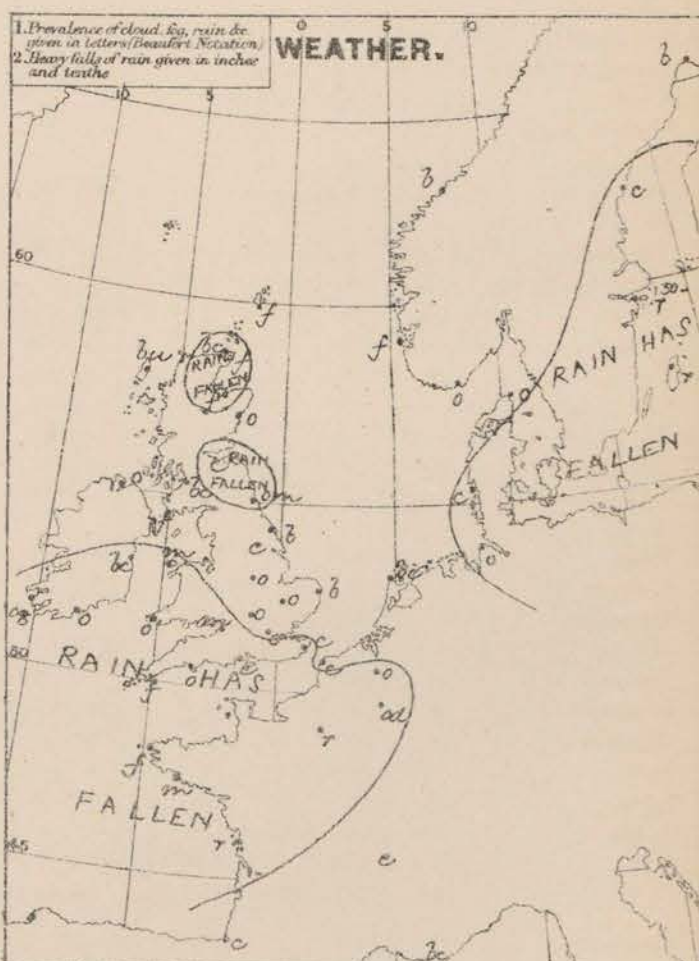
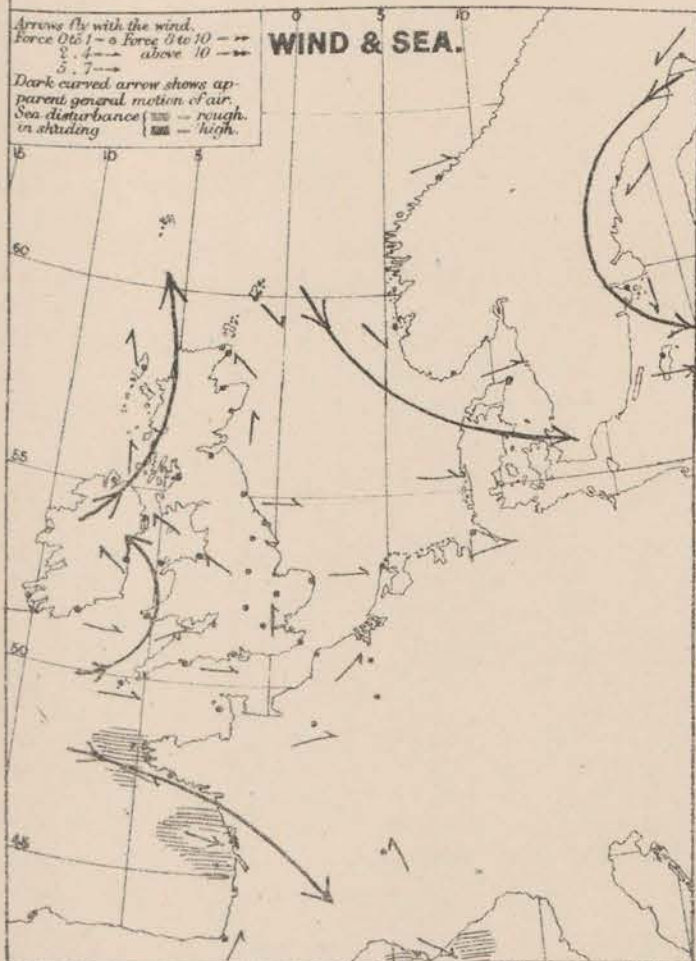
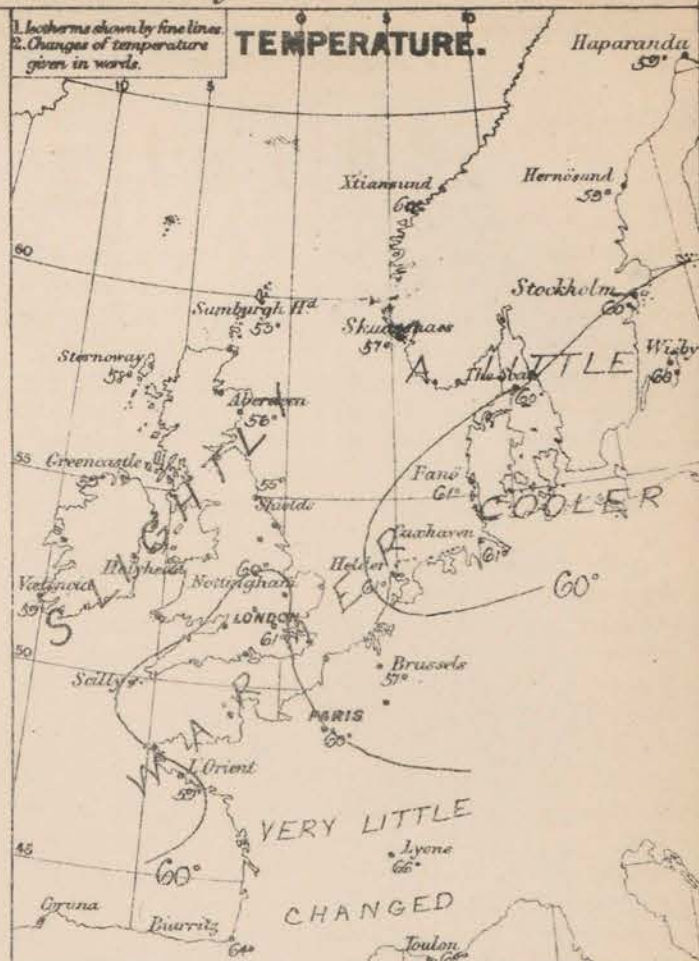
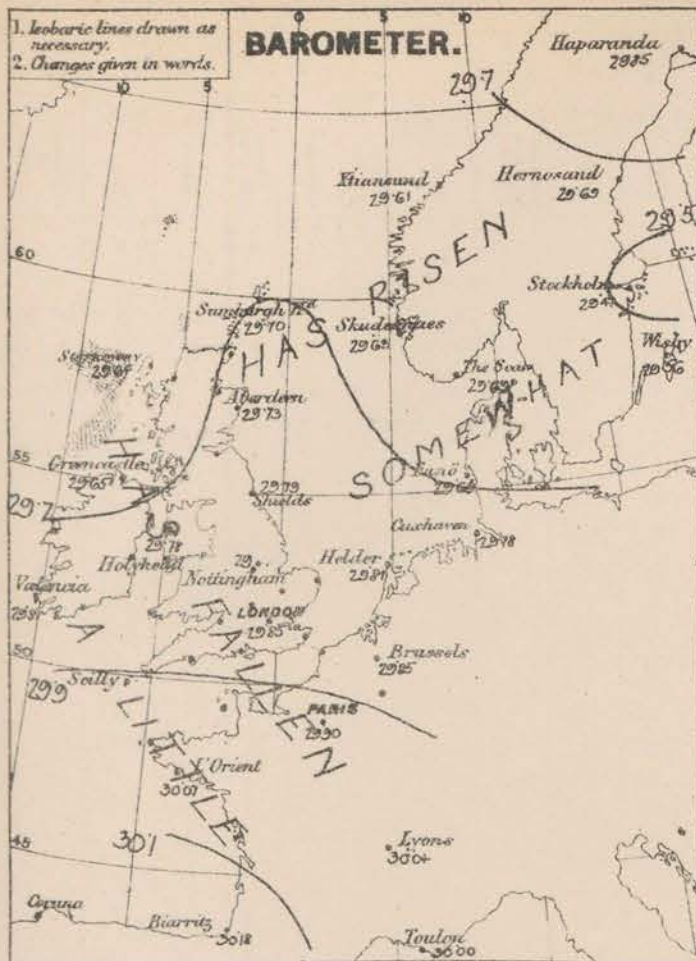
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 19TH JULY 1877.



REMARKS. The sky is locally clear on the east coast of England, very dull elsewhere, with fog in the north of Scotland and rain over France. Rainfall yesterday light except in Sweden but general in north and west. Temperature inclined to rise in most places, but change at present slight. Maximum in London yesterday 68°, highest over country 70°, at Nottingham. Wind light variable over greater part of British Isles but fresh W breeze over south western stations and Bay of Biscay. Sea rough west of France, moderate elsewhere, smooth elsewhere.

Barometrical Indications.
Pressure is decreasing except at our north eastern stations, and a large depression lies apparently off our north-west coasts, while a small local disturbance is shown over the Irish Sea. The highest pressures are found in the south west of France, and further unsettled weather may be expected.

DAILY WEATHER REPORT JULY 20TH 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 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.89	60	NE	4	c	29.95	+10	55	47	-4	E	2	b	*	*	*	-	
Hernösand ...	29.78	57	E NE	6	c	29.78	+09	57	55	-2	E NE	4	o	*	*	*	-	
Stockholm ...	29.54	59	E S E	4	o	29.62	+15	63	58	+3	?	?	c	*	*	*	0.08	
Wisby ...	29.58	58	W S W	8	o	29.61	+05	63	60	+3	SW	4	o	*	*	*	0.32	
Christiansund ...	29.56	60	W	3	b	29.56	+05	56	55	-4	W	2	f	3	64	48	-	
Skudesnaes ...	29.65	57	W N W	2	o	29.50	-13	57	56	0	NE	1	h	2	61	57	0.44	
Oxö (Xtiansand) ...	29.63	61	W S W	2	h	29.55	-08	60	60	+1	E	4	N	2	68	59	-	
Skagen (The Saaw) ...	29.59	61	W	3	f	29.54	-09	62	60	+2	Z.	0	N	0	63	55	0.47	
Fanö ...	29.70	60	W N W	4	c	29.60	-09	62	58	+1	SW	4	c	*	68	59	-	
Cuxhaven ...	29.82	?	W	2	c	29.71	-07	60	59	-1	SSW	2	o	*	?	54	-	
Sumburgh Head ...	29.60	52	S S E	2	f	29.53	-17	50	49	-3	W	6	N	4	60	49	0.20	
Stornoway ...	29.50	52	W S W	4	c	29.62	-02	55	52	-3	W S W	1	c	4	62	41	0.25	
Thurso ...	29.49	59	S E	3	o	29.61	-08	54	51	-5	W N W	3	b	c	67	46	0.39	
Wick ...	29.52	56	S	3	o	29.62	-10	54	50	0	W	2	b	c	61	42	0.41	
Nairn ...	29.53	56	Z.	0	h	29.65	-06	53	49	-3	Z.	0	b	1	62	42	0.40	
Aberdeen ...	29.57	57	S	3	o	29.62	-11	55	48	-1	W	3	h	2	62	46	0.45	
Leith ...	29.56	58	W S W	2	h	29.70	-04	54	50	-6	W	3	b	c	68	47	0.12	
Shields ...	29.65	63	SW	3	o	29.73	-06	52	48	-3	W N W	6	b	c	63	47	0.09	
Scarborough ...	29.67	65	S S W	2	o	29.75	-04	58	51	-2	W N W	5	b	4	67	49	0.06	
York ...	29.69	65	S S W	2	o	29.80	-02	55	50	-1	W	4	b	c	68	45	0.08	
Nottingham ...	29.74	65	S	3	o	29.88	+04	58	53	-2	W N W	6	b	c	72	48	0.05	
Ardrossan ...	29.62	55	W N W	4	h	29.75	00	56	52	+1	W S W	3	p	3	64	52	0.26	
Greencastle ...	29.68	57	W N W	2	c	29.74	+09	55	52	-4	W S W	3	c	*	60	45	0.11	
Donaghadee ...	29.68	55	W	3	c	29.81	+07	54	52	0	W	4	b	3	59	45	0.11	
Kingstown ...	29.76	58	W N W	5	c	29.90	+12	54	49	-6	W	4	b	3	64	50	0.01	
Holyhead ...	29.71	58	W S W	3	o	29.89	+11	54	50	-3	W	4	b	4	62	50	0.01	
Liverpool (Bidston) ...	29.70	60	SW	3	h	29.85	+06	54	49	-3	W	6	c	4	65	52	0.07	
Valencia ...	29.92	59	W	3	b	29.99	+18	57	52	-2	W S W	4	e	4	62	50	0.02	
Roche's Point...	29.85	61	W	4	b	29.98	+17	56	51	-3	W	2	b	2	66	49	0.04	
Pembroke ...	29.80	58	W	4	o	29.96	+13	55	51	-3	W N W	2	b	2	61	53	0.02	
Portishead ...	29.81	62	W S W	6	c	29.96	+12	56	51	-4	W N W	6	b	5	65	51	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	29.89	63	W N W	3	o	30.01	+12	58	55	-2	W	2	a	*	67	51	0.02	
Hurst Castle ...	29.85	64	W S W	3	b	29.97	+10	61	55	0	W	3	b	c	64	55	-	
Dover ...	29.85	60	W S W	3	c	29.89	+04	62	54	+3	W N W	4	b	3	63	59	-	
London ...	29.82	65	SW	1	o	29.92	+07	59	55	-2	W N W	3	b	*	69	55	-	
Oxford ...	*	*	*	*	*	29.93	+09	56	50	-6	W N W	2	b	*	72	52	0.01	
Cambridge ...	29.83	67	SW	1	o	29.88	+02	57	53	-3	W N W	3	b	*	68	51	0.03	
Yarmouth ...	29.79	65	S S W	3	c	29.82	-01	57	53	-2	W	4	b	3	67	53	0.08	
The Helder ...	*	*	*	*	*	29.70	-11	59	57	-2	W	3	o	*	*	*	0.04	
Cape Gris Nez ...	29.89	61	SW	4	o	29.90	+03	59	55	0	W	4	b	c	66	59	-	
Jersey ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brest ...	30.70	64	W N W	3	m	30.13	+07	57	54	-2	W	3	o	3	?	52	0.08	
L'Orient ...	30.09	61	W	4	m	30.08	+01	59	59	0	W	4	m	4	64	57	-	
Rocheport ...	30.11	68	W	3	o	30.11	+03	64	63	0	W	3	o	3	?	57	-	
Biarritz ...	30.15	72	W N W	1	b	30.14	+04	64	50	0	E NE	1	o	4	72	61	-	
Corunna ...	*	*	*	*	*	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	*	*	*	*	*	29.84	-01	60	*	+3	?	?	o	*	*	*	0.08	
Charleville ...	*	*	*	*	*	29.86	+07	60	*	+3	W N W	3	o	d	*	*	*	
Paris ...	29.95	67	W	3	c	30.00	+10	62	*	+2	W S W	2	o	*	*	*	0.04	
Lyons ...	*	*	*	*	*	30.12	+08	69	*	+3	W	2	o	*	*	*	*	
Toulon ...	29.91	70	W	7	b	29.95	-05	70	61	+6	W	6	b	6	72	63	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.64	60	57	W N W	2	0	2	Valencia	29.85	59	58	W N	3	0	3
Thurso	29.56	65	60	S S E	4	60	2	Scilly							
Scarborough ...	29.73	66	58	S S W	2	60	2	London	29.84	67	63	S W	2	0	*
Greencastle ...	29.58	58	57	W	2	N	*	Rocheport ...	30.11	72	64	W N	5	0	5
Holyhead	29.73	59	58	S S W	4	m	3								

Weather continues dull with rain at Greencastle and Scarborough. Wind is S W^{ly} to S^{ly} over Great Britain but has veered to NW. at Valencia. Barometer is recovering at Valencia but still falls elsewhere.

EXPLANATION OF COLUMNS.

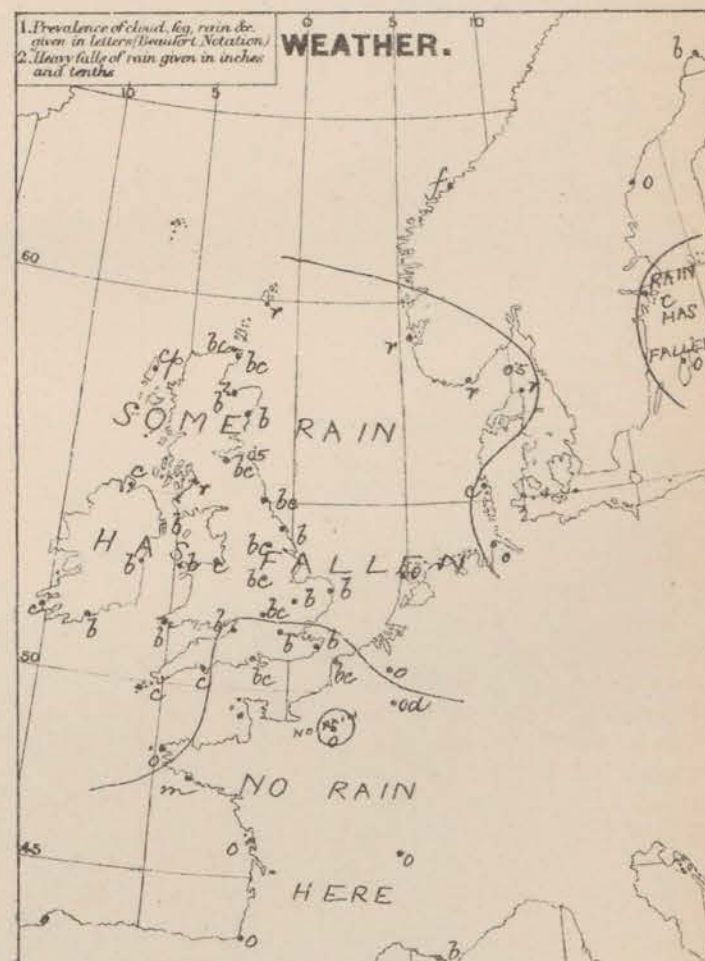
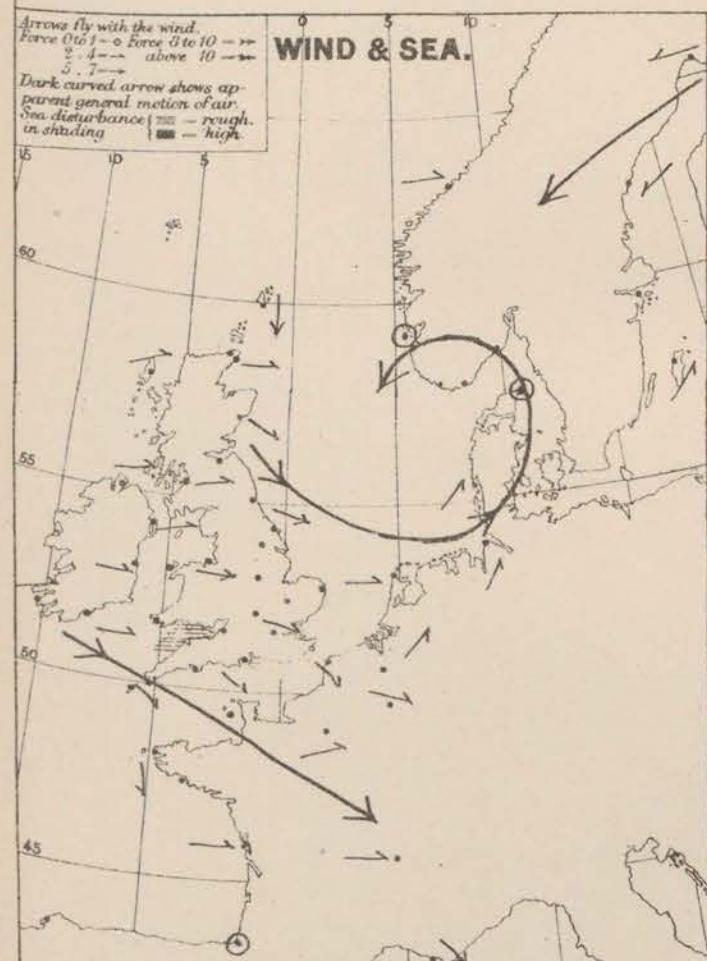
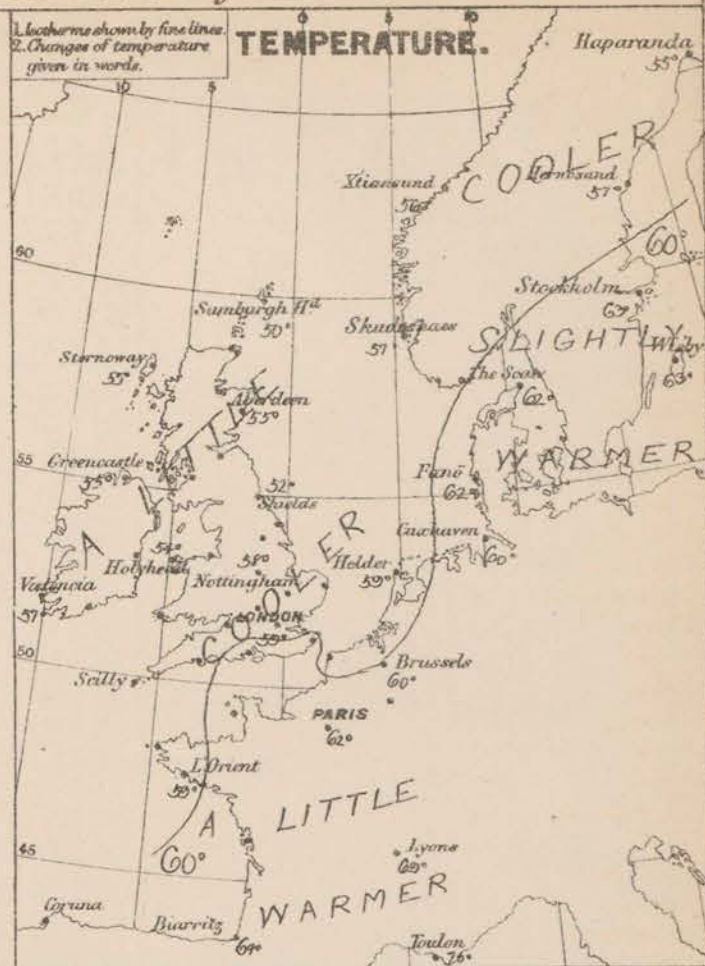
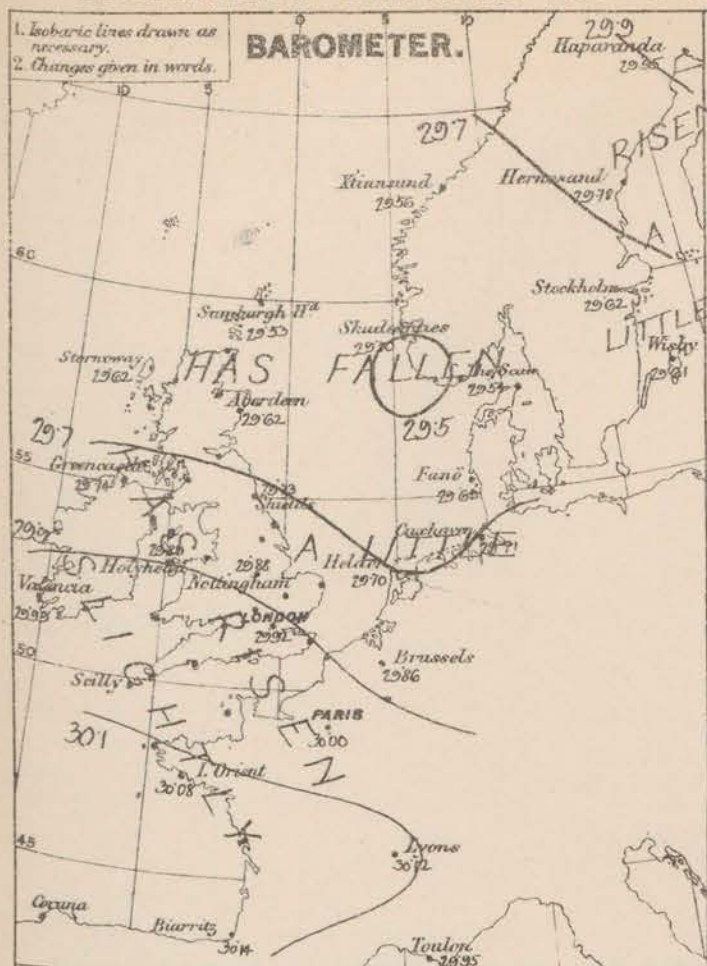
WEATHER.--Beaufort Scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

WEATHER CHARTS for 8 a.m. on Fri day 20th JULY 1877.



REMARKS. Right showers of rain fell at all but our south-eastern stations yesterday. Rain still falls in the south of Norway, the Shetlands and Hebrides, but sky cleared on our other coasts. Temperature fallen a few degrees generally, uniform over the country. Maximum in London yesterday 69°, at Oxford and Nottingham 72°. Wind has veered to W or NW on our coasts but is SW on eastern shores of North Sea. Fresh in force generally and blew a fresh gale in Bristol Channel yesterday. Sea rough Patishead, moderate to slight elsewhere.

Barometrical Indications.

The depression which was advancing on our north-west coasts yesterday has since passed across Scotland, and now lies near Skudenes. The barometer is consequently rising over these islands and the greater part of France but is falling in the south of Norway. At Valentia the barometer appears to be still unsteady.

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 JULY 21ST 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SEASIDE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SEASIDE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.87	58	Z	0	b	29.87	-08	54	50	-1	NE	6	6c	*	*	*	-	
Hernösand ...	29.72	54	ENE	6	c	29.69	-09	55	53	-2	NE	6	6c	*	*	*	-	
Stockholm ...	29.78	68	E	4	b	29.57	+11	55	55	-8	ENE	4	r	*	*	*	0.16	
Wisby ...	29.58	61	SW	4	o	29.54	-07	55	53	-8	W	8	6c	*	*	*	0.20	
Christiansund ...	29.49	55	NN	1	f	29.47	-09	53	52	-3	WSW	2	f	2	59	46	-	
Skudesnaes ...	29.41	57	NNW	6	+	29.61	+11	56	54	-1	NN	6	rf	4	?	?	-	
Oxö (Xtiansand) ...	29.38	57	S	4	o	29.53	-02	60	58	0	S	2	c	3	63	54	-	
Skagen (The Seaw) ...	29.45	53	SW	3	+	29.53	-01	58	54	-4	E	2	c	1	64	50	0.59	
Fanö ...	29.58	53	W	8	+	29.67	+07	53	53	-6	WNW	3	of	*	63	52	0.79	
Cuxhaven ...	29.78	?	NNW	7	+	29.82	+11	63	59	+3	NN	7	c	*	?	54	0.17	
Sumburgh Head ...	29.61	51	NN	6	o	29.65	+12	53	51	+3	W	3	b	2	53	47	0.12	
Stornoway ...	29.72	57	WSW	2	6c	29.67	+11	52	51	-3	ESE	5	r	5	59	48	0.06	
Thurso ...	29.70	55	NN	2	b	29.63	+02	53	51	-1	SSE	2	o	3	61	42	0.01	
Wick ...	29.71	56	NN	2	6c	29.64	+02	54	57	0	SE	2	o	1	61	44	-	
Nairn ...	29.73	58	Z	0	6c	29.63	-02	54	57	+1	Z	0	o	1	63	47	0.02	
Aberdeen ...	29.70	62	NN	2	b	29.60	+07	54	52	-1	S	2	o	1	63	46	0.01	
Leith ...	29.81	58	WNW	3	6c	29.69	-01	57	55	+3	SW	1	r	*	65	50	0.02	
Shields ...	29.83	60	WNW	4	6c	29.81	+08	57	54	+5	WSW	4	om	2	62	57	-	
Scarborough ...	29.85	59	WNW	3	c	29.87	+12	57	53	-1	SSW	2	c	1	62	53	-	
York ...	29.90	60	W	3	b	29.89	+09	60	55	+5	SW	3	c	*	64	57	-	
Nottingham ...	29.95	61	SSW	5	b	29.95	+07	63	57	+5	SW	6	b	*	70	46	-	
Ardrossan ...	29.83	58	WSW	3	c	29.69	-06	53	55	+0	SSW	5	r	5	63	54	0.21	
Greencastle ...	29.81	56	W	3	o	29.61	-13	58	57	+3	SW	3	r	*	62	52	0.07	
Donaghadee ...	29.86	59	SW	4	6c	29.71	-10	58	58	+4	WSW	6	c	4	63	50	0.03	
Kingstown ...	29.93	62	W	?	c	29.80	-10	61	57	+7	W	4	o	3	63	53	-	
Holyhead ...	29.93	59	SW	4	6c	29.84	-05	58	57	+4	SSW	5	m	4	62	53	-	
Liverpool (Bidston) ...	29.93	59	SW	3	b	29.87	+02	60	56	+6	SW	2	o	1	62	53	-	
Valencia ...	29.96	59	WSW	5	c	29.80	-19	59	58	+12	SSW	6	ogd	6	62	55	0.01	
Roche's Point... ..	29.99	61	WSW	3	c	29.88	-10	60	67	+4	WSW	3	c	3	64	52	-	
Pembroke ...	30.02	60	WSW	2	b	29.96	-00	59	57	+4	SSW	3	o	3	61	55	-	
Portishead ...	30.02	60	W	5	b	30.00	+04	59	55	+3	S	4	o	4	64	49	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.08	63	W	4	c	30.06	+05	60	57	+2	SW	4	o	*	69	51	-	
Hurst Castle ...	30.04	62	W	4	c	30.07	+10	60	57	-1	W	4	6c	4	65	54	-	
Dover ...	30.02	62	W	4	b	30.08	+19	61	55	+1	W	3	b	3	67	52	-	
London ...	30.00	65	W	2	6c	30.05	+13	61	54	+2	W	2	b	*	67	47	-	
Oxford ...	*	*	*	*	*	30.02	+09	59	54	+3	WSW	1	b	*	68	48	-	
Cambridge ...	29.97	62	W	1	c	30.01	+13	60	56	+3	SW	2	6w	*	67	46	-	
Yarmouth ...	29.93	64	WNW	2	b	30.00	+18	60	55	+3	W	3	6m	2	65	54	-	
The Helder ...	*	*	*	*	*	29.96	+26	61	55	+2	W	1	6c	*	*	*	0.12	
Cape Gris Nez ...	30.01	61	WSW	4	6c	30.10	+20	59	56	0	WNW	2	b	2	64	53	-	
Jersey ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brest ...	30.20	68	NN	2	b	30.16	+03	59	55	+2	S	3	c	3	?	52	-	
L'Orient ...	30.14	63	WNW	4	b	30.13	+05	61	59	+2	S	2	b	3	66	50	-	
Rocheport ...	30.12	70	NN	4	6c	30.15	+04	64	63	0	E	1	?	3	72	53	-	
Biarritz ...	30.13	72	WNW	2	c	30.10	-04	66	64	+2	EVE	2	c	3	?	61	-	
Corunna ...	*	*	*	*	*	30.09	...	67	*	...	NE	1	c	1	*	*	*	
Brussels ...	*	*	*	*	*	30.07	+23	55	*	-5	S	1	b	*	*	*	-	
Charleville ...	*	*	*	*	*	30.08	+22	55	*	-5	ESE	3	b	*	*	*	*	
Paris ...	30.05	67	W	3	6c	30.16	+16	64	*	+2	W	2	b	*	*	*	0.04	
Lyons ...	*	*	*	*	*	30.14	+02	70	*	+1	W	2	c	*	*	*	*	
Toulon ...	29.97	73	NN	7	b	30.03	+08	72	61	+2	NN	4	b	4	77	68	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.41	58	57	NNN	5	rf	3	Valencia	29.99	62	55	SW	5	6c	5
Thurso	29.67	58	53	NN	3	bc	4	Scilly							
Scarborough ...	29.82	61	53	NNN	4	c	3	London	29.98	64	54	N	3	c	*
Greencastle ...	29.99	58	53	N S N	2	o	*	Rocheport ...	30.12	70	66	N	3	o	3
Holyhead	29.93	60	55	SW	5	bc	3								

The weather has become cloudy over the whole country and the wind is inclined to back towards SW. in most places. At Valencia pressure is decreasing again and sea rising.

EXPLANATION OF COLUMNS.

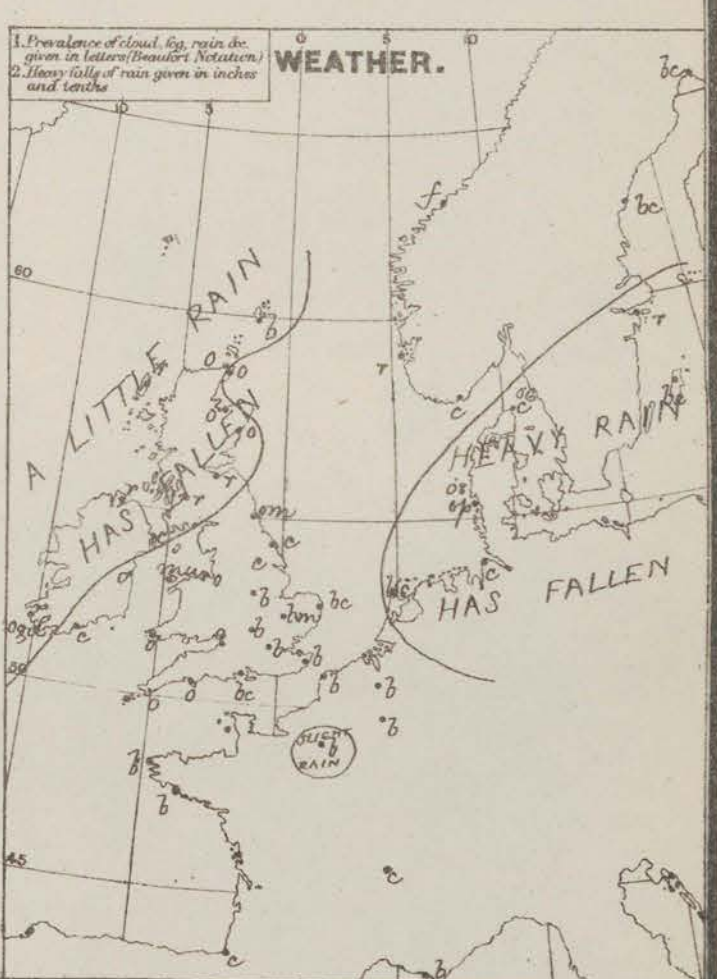
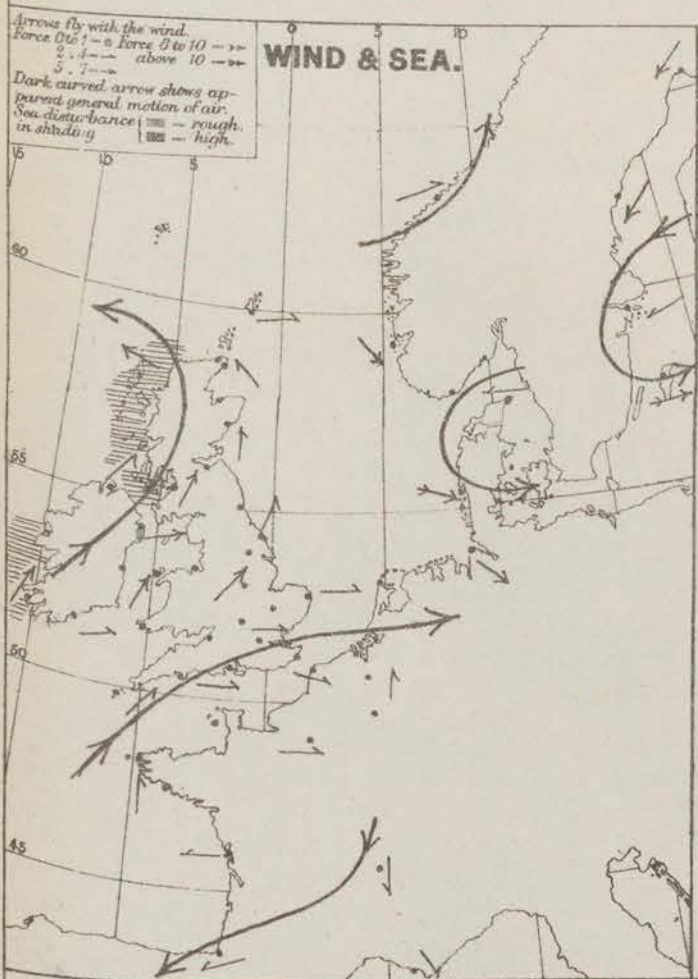
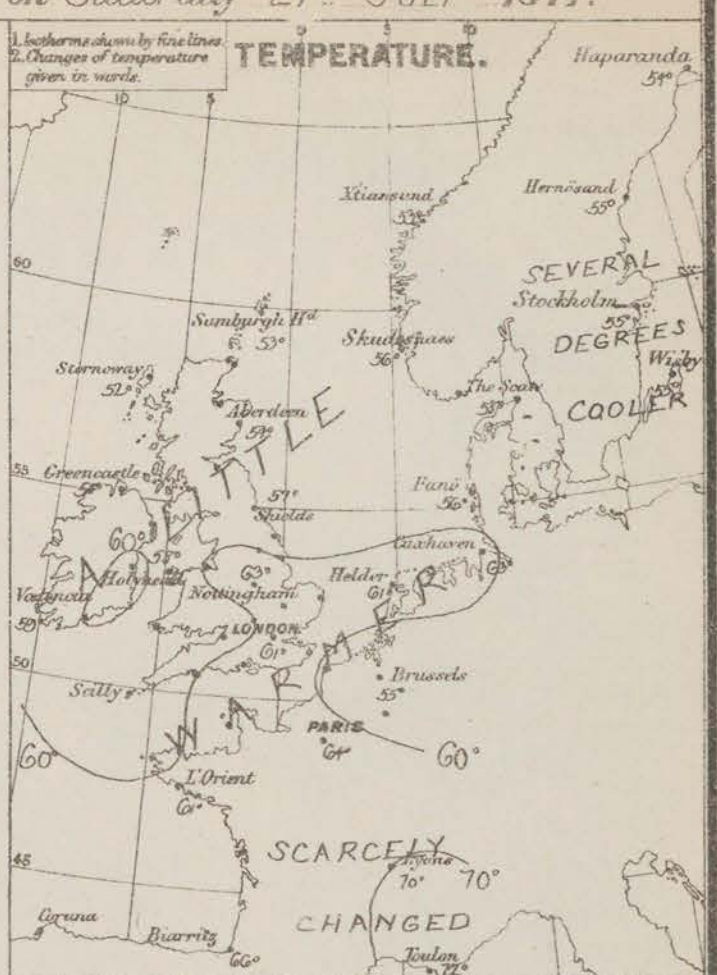
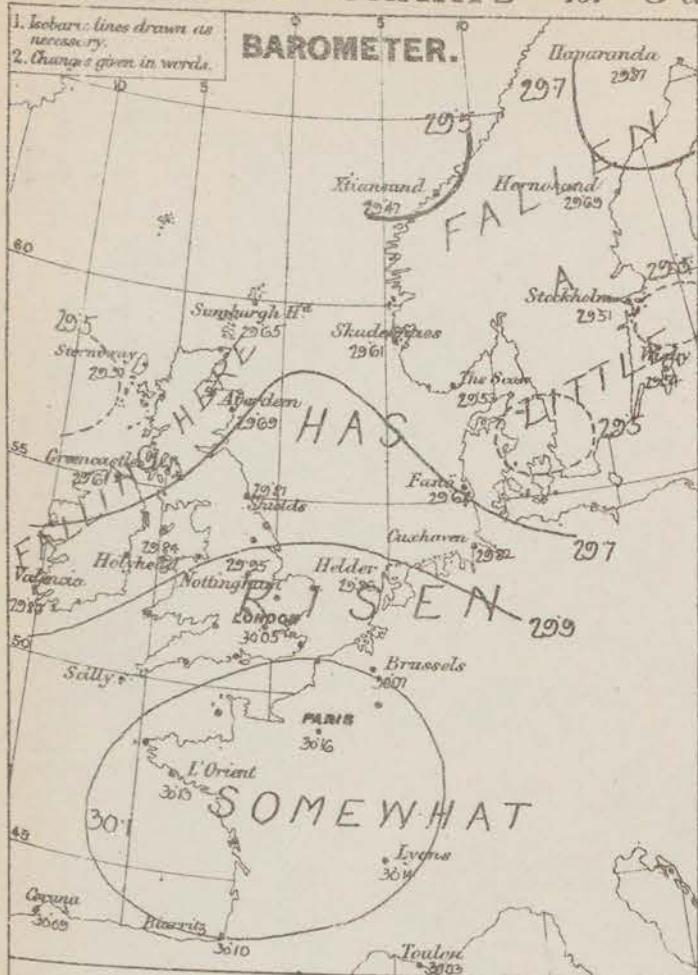
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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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 Saturday 21ST JULY 1877



REMARKS. The weather this morning remains fine in France, Holland and the southern parts of England, but is dull in the west and north, and rain has again set in at several of the northern and north western stations. The wind has backed to SSW on all our western coasts, to SE at Stornoway, and has freshened considerably. In the south east of England it is still W, and in Denmark (where a fresh gale is blowing) it is NW. Temperature has risen a little. It varies from about 64° in France and 60° in England to 52° in the Heligolds. The highest readings during yesterday varied from 67° to 70° in England, while the lowest in the night were about 47°.

Barometrical Indications. The depression which we noticed off the south coast of Norway yesterday is growing deeper as it moves slowly to the SE? - Hence the gale in Denmark this morning. A new depression lies off the west of Scotland, and is moving to the E? The barometres will consequently fall very all over the country (most in the north) and stormy and rainy weather be experienced at all but the most southern stations, where however the sky will become temporarily very cloudy. The weather is, therefore, still in an unsettled condition.

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 JULY 15th to JULY 21st 1877.

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

Very unseasonable weather has prevailed during nearly the whole of this week. At first a deep depression lay off our NW. coast the winds circulating round it being strong and accompanied by heavy rain. These conditions continued with comparatively little change till Wednesday when the disturbance moved to the E^W across the North Sea, and W^{ly} to NW^{ly} winds prevailed on all coasts. On the next morning a fresh depression was appearing on our NW. coasts. This also passed on to Norway and was succeeded on Saturday by a new area of low readings in the front of which the winds returned to the SW^W. The winds during the last few days was generally moderate except in the N. Temperature was low (60-50°) over the United Kingdom and very steady, and the weather except on Saturday was generally dull and unsettled.

JULY 15th The comparatively slight depression, which lay over our SW. counties on Saturday evening, had travelled slowly NW^W during the night, and at 8 a.m. its centre was found near Liverpool. It had also become very much deeper during its passage, the gradients around it varying between 0.06 and 0.10 in. per 50 miles. The wind circulated round the disturbance and was generally fresh, - reaching even the force of a fresh gale at Holyhead and also Pembroke. Rain had been general, and heavy, the largest amounts being ^{about} 1.5 in. at our NW^W stations, and about 1.0 in. at Oxford, Hurst Castle, Portsmouth and Lorient. The weather was very dull and wet at 8 a.m. In the evening the depression occupied much the same position as in the morning, but the barometer had begun to rise in the E. and SE.

JULY 16th The mercury was rising in all parts of NW. Europe, and the depression which still lay over our NW^W stations was shallower than on the previous day. The wind continued NW^{ly} over Ireland, W^{ly} in the South, S^{ly} in the E. and E^{ly} in the N. and on all but the Scotch coast was fresh in force. Temperature, which was changing very little, varied between 63° and 55° over these Islands and the greater part of France, but in Sweden it had risen briskly and at 8 a.m. the thermometer registered 71° at Stockholm. The weather was clear in Sweden, very wet and dull elsewhere, and the rainfall had again been heavy in many places. Pressure rose somewhat in the N. and N. during the day but began to fall in the E.

JULY 17th The depression had moved E^W during the night and at 8 a.m. its centre lay off the Yorkshire coast. The barometer was rising generally - rather briskly in the SW. - where gradients continued steep. The wind was fresh from NW to N. on our NW and SW coasts, but was light from S. to E. over

the North Sea. Temperature was changing little and irregularly and remained low over these Islands and France. The maximum reading recorded over the whole of the United Kingdom during the previous 24 hours, had been only 67° at Nairn. Heavy rain had again fallen (1.35 in. at Greenock, 0.94 in. Shetland, 0.91 in. London) and very wet dull weather prevailed generally, with thick fog in the N. of Scotland. During the day the area of low pressure moved slowly to the E^{ward}, the barometer rose generally, and N^W winds set in all over the country.

JULY 18th The depression had made a further movement to the E^{ward} and its centre lay over the North Sea. The mercury was consequently rising over the greater part of these Islands, as well as at all the French stations, but in Norway it was falling, and on our SW. coasts a brisk decrease had set in during the night. The wind was N^W in the N. and NE. but was N^W in most other places, though in the South of Ireland it had backed towards S. and at Roches Point was SSW^{ly}. In force it was generally moderate. Temperature continued almost unaltered, ^{still} varying between 63° in the S. of France, and 53° in the N. of these Islands. Rain had fallen in many places, most heavily on our NE. coasts, but at 8 am. the weather was comparatively fine both in the SE. and NW. In the evening the barometer was falling somewhat in the SW. of England but was rising elsewhere.

JULY 19th Pressure was decreasing in nearly all parts of NW. Europe. The highest readings lay over the SW. of France, while the depression noticed over the North Sea on the previous day, was now shown near Stockholm, and a new area of low readings was advancing on our NW. coasts from the Atlantic. The wind was moderate from the NW^{ward} or NNW^{ward} in the SW. but was light and rather variable elsewhere. Temperature had fallen over Denmark but was inclined to rise in most other places though the changes were still small. The sky was very cloudy except on the E. coast of England. In the evening the depression from the NW. coasts was passing across Scotland, and the barometer was recovering in the SW. with a NW^{ly} breeze.

JULY 20th The barometer was rising in all parts of these Islands, but had fallen on the E^{ward} shores of the North Sea. The small area of low readings had passed away E^{ward}, across the North Sea to the S. of Norway. The wind had increased considerably in strength, fresh to moderate NNW^{ly} breezes being reported from nearly all our coasts, and moderate SW^{ly} winds in Denmark. Temperature had fallen a few degrees except over France and the Netherlands. The sky had cleared at most of our stations, but showers were still reported in the NW. and heavy rain in the Skager Rack. The evening reports showed that the disturbance over Norway, was becoming much deeper, and the NW^{ly} wind at Taus had increased to a fresh gale. A fresh fall of the barometer had in the meantime commenced at Valparaiso, and the wind there again backed to the S^{ward}.

JULY 21st A large anticyclone lay over France, where the barometer was rising as well as in the SE. of England, the Netherlands, and Denmark; in all other places pressure was giving way. Three cyclones were shown— one off the N. of Scotland, a second over the Sound, and a third near Christiansund. The wind consequently varied considerably. In these Islands it was moderate to fresh from SW; in Denmark, and N. Germany strong from N. and in the Gulf of Bothnia from NE. Temperature had risen a little but still remained low for the time of year. The weather was overcast and wet in the N. and N. but in the SE. of England, and N. of France the sky was clear. Later in the day the barometer rose somewhat in the N. but fell rather briskly in the SW. while a moderate S^{ly} gale sprang up at

Meteorological Office,

116, Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT

JULY 22nd 1877.

STATIONS.	YESTERDAY EVENING					6 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 p.m. and Sea Level.	Temp. in shade.	Wind.		Weather.	Barometer.		SHADE TEMP.			Wind.		Weather.	Sea (0 to 2).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12).		Reading at 6 a.m. and Sea Level.	Difference from 5 p.m. yesterday.	Dry.	Wet.	Difference from 5 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.		
Haparanda ...	29.83	50	E	2	b	29.87	+.00	57	?	+ 3	SE	2	b	*	*	*	-	
Hernösand ...	29.78	51	E N E	4	b	29.81	+.15	56	51	+ 1	NE	2	b	*	*	*	-	
Stockholm ...	?	57	?	4	o	29.80	+.129	52	50	- 3	WNW	2	o	*	*	*	0.13	
Wisby ...	29.66	56	N	2	b	?	29.78	+.34	59	57	+ 4	NNW	4	o	*	*	*	-
Christiansund ...	29.84	56	W	4	?	29.73	+.26	53	50	o	ESE	3	o	2	56	46	0.63	
Skudesnaes ...	29.70	54	Z	o	o	29.71	+.10	57	56	+ 1	SE	6	tf	5	57	54	0.08	
Oxö (Xtiansund) ...	29.71	58	WSW	4	o	29.78	+.25	58	55	- 2	W	2	o	3	66	54	-	
Skagen (The Faroe) ...	29.75	58	W	3	o	29.81	+.28	58	56	o	SW	3	o	2	70	54	-	
Fanö ...	29.88	58	WSW	4	o	29.87	+.20	64	62	+ 8	SW	4	o	*	?	55	-	
Cuxhaven ...	29.96	67	WNW	5	o	29.96	+.14	63	60	o	SW	3	o	*	?	?	-	
Sumburgh Head ...	29.65	55	SE	2	o	29.56	-.10	55	54	+ 2	NE	3	f	3	58	50	0.01	
Stornoway ...	29.57	57	SW	4	o	29.43	-.08	57	57	+ 5	SE	1	tf	3	60	50	0.34	
Thurso ...	29.61	58	N	2	b	29.66	+.17	65	61	+ 12	S	2	o	2	71	58	0.02	
Wick ...	29.62	58	N	2	bo	29.60	-.14	60	57	+ 6	S	2	b	3	65	51	0.03	
Nairn ...	29.59	62	Z	o	bo	29.47	-.16	66	60	+ 12	Z	o	bo	1	67	58	0.07	
Aberdeen ...	29.62	64	SSW	2	o	29.53	-.26	62	59	+ 8	S	4	bo	1	66	54	0.16	
Leith ...	29.67	62	WSW	4	o	29.52	-.17	63	59	+ 6	SW	1	o	*	67	56	0.02	
Shielda ...	29.78	63	WSW	5	o	29.64	-.17	61	58	+ 4	SW	4	o	2	65	57	0.04	
Scarborough ...	29.81	65	SW	2	o	29.69	-.18	59	56	+ 2	SW	2	o	*	66	57	-	
York ...	29.84	64	SSW	2	o	29.73	-.16	59	56	- 1	S	2	o	*	?	57	-	
Nottingham ...	29.90	66	S	6	o	29.76	-.19	62	58	- 1	S	5	o	*	70	55	-	
Ardrossan ...	29.67	59	SSW	4	o	29.51	-.18	59	57	+ 3	SSW	4	o	4	60	56	0.10	
Greencastle ...	29.58	61	S	2	o	29.42	-.19	58	56	o	WSW	2	o	*	63	56	0.16	
Donaghadee ...	29.68	59	SSW	4	o	29.52	-.19	61	59	+ 3	SW	4	o	5	67	56	0.08	
Kingstown ...	29.72	62	S	3	o	29.59	-.21	61	57	o	SSW	2	o	2	66	60	-	
Holyhead ...	29.78	59	SSW	5	m	29.61	-.33	58	57	o	SSW	5	m	4	60	57	0.08	
Liverpool (Bidston) ...	29.82	62	SSW	2	o	29.66	-.21	60	57	o	SSE	3	o	1	65	58	-	
Valencia ...	29.64	60	SSW	7	o	29.54	-.26	57	55	- 2	S	5	o	5	62	53	0.09	
Roche's Point ...	29.67	59	SW	4	?	29.60	-.28	58	57	- 2	SSW	3	?	3	64	52	0.08	
Pembroke ...	29.88	58	SSW	5	?	29.68	-.28	58	58	- 1	SSW	5	?	4	61	?	0.07	
Portishead ...	29.94	61	S	4	o	29.77	-.23	62	59	+ 3	SSE	5	bo	3	63	54	-	
Scilly ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
Plymouth ...	29.99	62	S	3	o	29.80	-.26	60	59	o	S	2	o	*	66	58	0.01	
Hurst Castle ...	30.00	62	W	3	b	29.85	-.22	62	58	+ 2	SW	3	o	3	62	57	-	
Dover ...	30.01	60	WSW	4	b	29.88	-.20	63	61	+ 2	SSW	3	b	3	65	55	-	
London ...	29.99	70	WSW	2	b	29.80	-.20	62	57	+ 1	SW	3	o	*	70	53	-	
Oxford ...	?	?	?	?	?	29.85	-.22	61	57	+ 2	SSW	1	o	*	68	53	-	
Cambridge ...	29.95	68	SW	1	b	?	29.83	-.18	60	58	o	SSW	1	o	*	72	51	-
Yarmouth ...	29.94	70	WSW	2	b	?	29.91	-.09	63	62	+ 3	S	3	bo	2	71	55	-
The Helder ...	?	?	?	?	?	29.91	-.05	63	59	+ 2	S	1	o	*	?	?	-	
Cape Gris Nez ...	30.03	63	SW	5	b	29.90	-.20	64	63	+ 3	S	3	bo	2	64	53	-	
Jersey ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
Brest ...	30.10	66	SW	3	o	29.92	-.24	61	59	+ 2	SW	3	o	3	?	57	-	
L'Orient ...	30.08	63	SW	1	o	29.95	-.18	61	61	o	W	2	o	2	68	55	0.04	
Rochefort ...	30.07	58	NE	1	b	29.93	-.23	65	66	+ 4	NW	1	b	3	?	59	0.08	
Biarritz ...	29.91	80	E N E	4	b	30.01	+.09	68	64	+ 2	W	4	o	3	58	64	-	
Corunna ...	?	?	?	?	?	30.04	-.03	64	?	- 3	SW	?	o	1	?	?	?	
Brussels ...	?	?	?	?	?	29.97	-.10	61	?	+ 6	S	6	b	4	?	?	-	
Charleville ...	?	?	?	?	?	?	29.92	-.16	63	?	+ 8	E	3	b	?	?	?	
Paris ...	30.05	71	S	3	b	29.96	-.20	68	?	+ 4	SSE	3	b	?	?	?	?	
Lyons ...	?	?	?	?	?	30.04	-.10	70	?	o	NE	2	b	?	?	?	?	
Toulon ...	30.03	73	WN	5	b	30.09	+.06	?	64	?	E	?	?	3	81	70	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sec.		Bar.	Dry.	Wet.	Wind.	Wes.	Sec.		
Skudesnaes ...	29.75	57	53	WNW	4	o	3	Valencia	29.73	61	59	5	7	om	6
Thurso	29.56	69	59	SSW	1	bo	2	Scilly							
Scarborough ...	29.83	65	60	SW	2	o	2	London	30.01	68	60	W	2	o	*
Greencastle ...	29.65	60	59	S	2	?	*	Rochefort ...	30.10	77	68	WNW	1	o	3
Holyhead	29.84	59	58	SSW	5	m	4								

The weather remains very fine in the S.E. of England, but dull and unsettled in the W. and N. of our islands. In the NW district the barometer has begun to rise, but in the S. of Ireland it is falling again, and a moderate S. gale has set in with thick weather.

EXPLANATION OF COLUMNS.

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

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

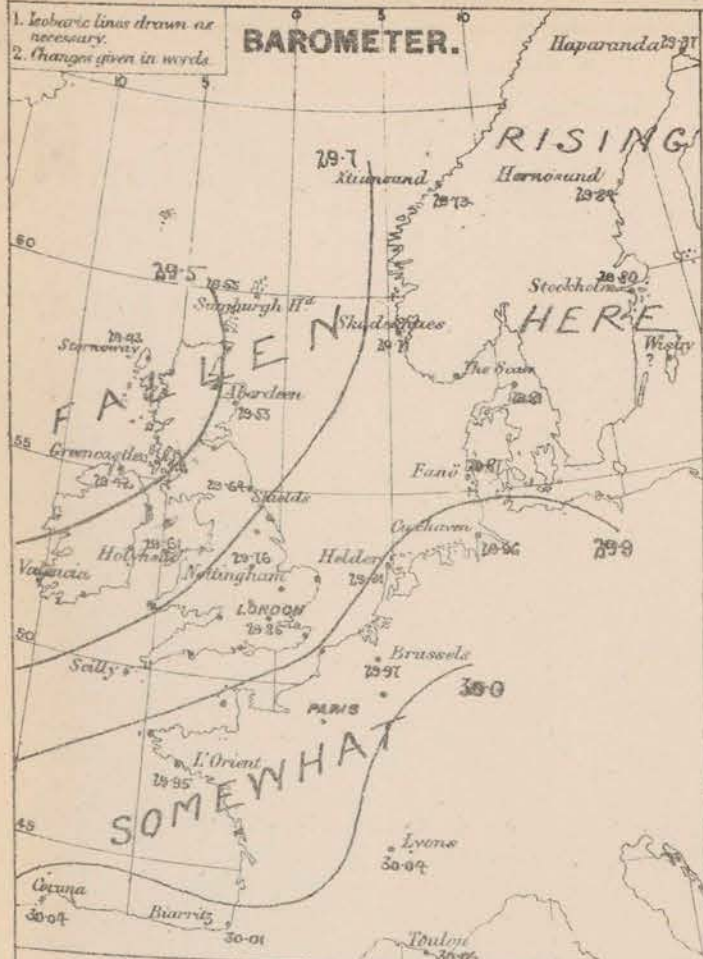
† The evening observations are taken at 6 p.m. in our islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Sunday JULY 22nd 1877.

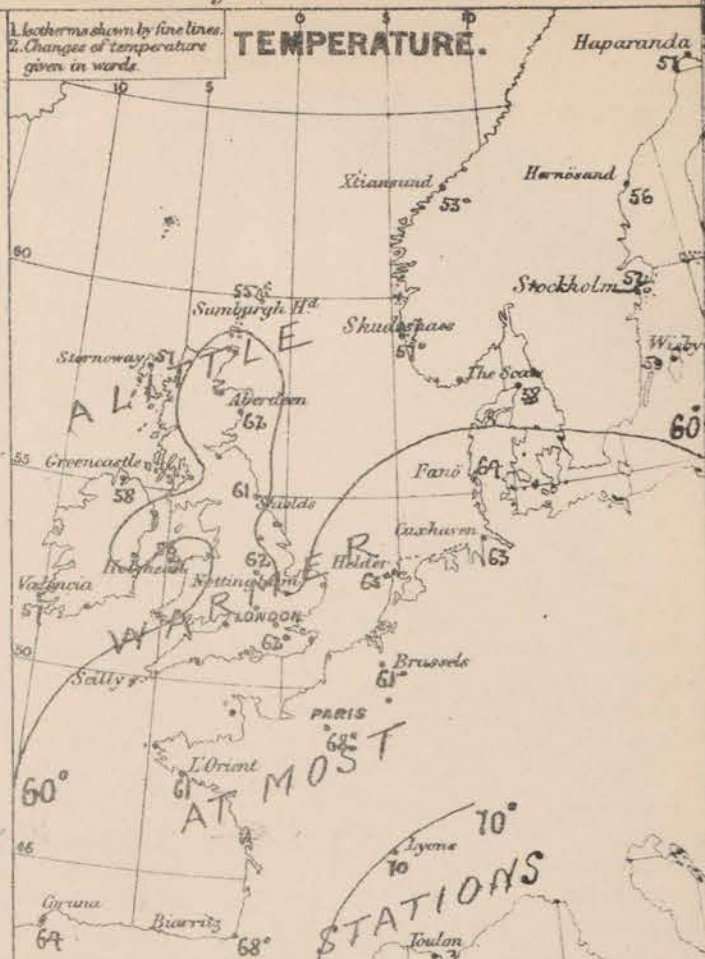
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



1. Arrows fly with the wind.
2. Force 0 to 10 —
3. 11 to 20 —
4. 21 to 30 —
5. 31 to 40 —
6. 41 to 50 —
7. 51 to 60 —
8. 61 to 70 —
9. 71 to 80 —
10. 81 to 90 —
11. 91 to 100 —
12. 101 to 110 —
13. 111 to 120 —
14. 121 to 130 —
15. 131 to 140 —
16. 141 to 150 —
17. 151 to 160 —
18. 161 to 170 —
19. 171 to 180 —
20. 181 to 190 —
21. 191 to 200 —
22. 201 to 210 —
23. 211 to 220 —
24. 221 to 230 —
25. 231 to 240 —
26. 241 to 250 —
27. 251 to 260 —
28. 261 to 270 —
29. 271 to 280 —
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31. 291 to 300 —
32. 301 to 310 —
33. 311 to 320 —
34. 321 to 330 —
35. 331 to 340 —
36. 341 to 350 —
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38. 361 to 370 —
39. 371 to 380 —
40. 381 to 390 —
41. 391 to 400 —
42. 401 to 410 —
43. 411 to 420 —
44. 421 to 430 —
45. 431 to 440 —
46. 441 to 450 —
47. 451 to 460 —
48. 461 to 470 —
49. 471 to 480 —
50. 481 to 490 —
51. 491 to 500 —
52. 501 to 510 —
53. 511 to 520 —
54. 521 to 530 —
55. 531 to 540 —
56. 541 to 550 —
57. 551 to 560 —
58. 561 to 570 —
59. 571 to 580 —
60. 581 to 590 —
61. 591 to 600 —
62. 601 to 610 —
63. 611 to 620 —
64. 621 to 630 —
65. 631 to 640 —
66. 641 to 650 —
67. 651 to 660 —
68. 661 to 670 —
69. 671 to 680 —
70. 681 to 690 —
71. 691 to 700 —
72. 701 to 710 —
73. 711 to 720 —
74. 721 to 730 —
75. 731 to 740 —
76. 741 to 750 —
77. 751 to 760 —
78. 761 to 770 —
79. 771 to 780 —
80. 781 to 790 —
81. 791 to 800 —
82. 801 to 810 —
83. 811 to 820 —
84. 821 to 830 —
85. 831 to 840 —
86. 841 to 850 —
87. 851 to 860 —
88. 861 to 870 —
89. 871 to 880 —
90. 881 to 890 —
91. 891 to 900 —
92. 901 to 910 —
93. 911 to 920 —
94. 921 to 930 —
95. 931 to 940 —
96. 941 to 950 —
97. 951 to 960 —
98. 961 to 970 —
99. 971 to 980 —
100. 981 to 990 —
101. 991 to 1000 —
102. 1001 to 1010 —
103. 1011 to 1020 —
104. 1021 to 1030 —
105. 1031 to 1040 —
106. 1041 to 1050 —
107. 1051 to 1060 —
108. 1061 to 1070 —
109. 1071 to 1080 —
110. 1081 to 1090 —
111. 1091 to 1100 —
112. 1101 to 1110 —
113. 1111 to 1120 —
114. 1121 to 1130 —
115. 1131 to 1140 —
116. 1141 to 1150 —
117. 1151 to 1160 —
118. 1161 to 1170 —
119. 1171 to 1180 —
120. 1181 to 1190 —
121. 1191 to 1200 —
122. 1201 to 1210 —
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124. 1221 to 1230 —
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126. 1241 to 1250 —
127. 1251 to 1260 —
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131. 1291 to 1300 —
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134. 1321 to 1330 —
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136. 1341 to 1350 —
137. 1351 to 1360 —
138. 1361 to 1370 —
139. 1371 to 1380 —
140. 1381 to 1390 —
141. 1391 to 1400 —
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184. 1821 to 1830 —
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187. 1851 to 1860 —
188. 1861 to 1870 —
189. 1871 to 1880 —
190. 1881 to 1890 —
191. 1891 to 1900 —
192. 1901 to 1910 —
193. 1911 to 1920 —
194. 1921 to 1930 —
195. 1931 to 1940 —
196. 1941 to 1950 —
197. 1951 to 1960 —
198. 1961 to 1970 —
199. 1971 to 1980 —
200. 1981 to 1990 —
201. 1991 to 2000 —
202. 2001 to 2010 —
203. 2011 to 2020 —
204. 2021 to 2030 —
205. 2031 to 2040 —
206. 2041 to 2050 —
207. 2051 to 2060 —
208. 2061 to 2070 —
209. 2071 to 2080 —
210. 2081 to 2090 —
211. 2091 to 2100 —
212. 2101 to 2110 —
213. 2111 to 2120 —
214. 2121 to 2130 —
215. 2131 to 2140 —
216. 2141 to 2150 —
217. 2151 to 2160 —
218. 2161 to 2170 —
219. 2171 to 2180 —
220. 2181 to 2190 —
221. 2191 to 2200 —
222. 2201 to 2210 —
223. 2211 to 2220 —
224. 2221 to 2230 —
225. 2231 to 2240 —
226. 2241 to 2250 —
227. 2251 to 2260 —
228. 2261 to 2270 —
229. 2271 to 2280 —
230. 2281 to 2290 —
231. 2291 to 2300 —
232. 2301 to 2310 —
233. 2311 to 2320 —
234. 2321 to 2330 —
235. 2331 to 2340 —
236. 2341 to 2350 —
237. 2351 to 2360 —
238. 2361 to 2370 —
239. 2371 to 2380 —
240. 2381 to 2390 —
241. 2391 to 2400 —
242. 2401 to 2410 —
243. 2411 to 2420 —
244. 2421 to 2430 —
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270. 2681 to 2690 —
271. 2691 to 2700 —
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274. 2721 to 2730 —
275. 2731 to 2740 —
276. 2741 to 2750 —
277. 2751 to 2760 —
278. 2761 to 2770 —
279. 2771 to 2780 —
280. 2781 to 2790 —
281. 2791 to 2800 —
282. 2801 to 2810 —
283. 2811 to 2820 —
284. 2821 to 2830 —
285. 2831 to 2840 —
286. 2841 to 2850 —
287. 2851 to 2860 —
288. 2861 to 2870 —
289. 2871 to 2880 —
290. 2881 to 2890 —
291. 2891 to 2900 —
292. 2901 to 2910 —
293. 2911 to 2920 —
294. 2921 to 2930 —
295. 2931 to 2940 —
296. 2941 to 2950 —
297. 2951 to 2960 —
298. 2961 to 2970 —
299. 2971 to 2980 —
300. 2981 to 2990 —
301. 2991 to 3000 —
302. 3001 to 3010 —
303. 3011 to 3020 —
304. 3021 to 3030 —
305. 3031 to 3040 —
306. 3041 to 3050 —
307. 3051 to 3060 —
308. 3061 to 3070 —
309. 3071 to 3080 —
310. 3081 to 3090 —
311. 3091 to 3100 —
312. 3101 to 3110 —
313. 3111 to 3120 —
314. 3121 to 3130 —
315. 3131 to 3140 —
316. 3141 to 3150 —
317. 3151 to 3160 —
318. 3161 to 3170 —
319. 3171 to 3180 —
320. 3181 to 3190 —
321. 3191 to 3200 —
322. 3201 to 3210 —
323. 3211 to 3220 —
324. 3221 to 3230 —
325. 3231 to 3240 —
326. 3241 to 3250 —
327. 3251 to 3260 —
328. 3261 to 3270 —
329. 3271 to 3280 —
330. 3281 to 3290 —
331. 3291 to 3300 —
332. 3301 to 3310 —
333. 3311 to 3320 —
334. 3321 to 3330 —
335. 3331 to 3340 —
336. 3341 to 3350 —
337. 3351 to 3360 —
338. 3361 to 3370 —
339. 3371 to 3380 —
340. 3381 to 3390 —
341. 3391 to 3400 —
342. 3401 to 3410 —
343. 3411 to 3420 —
344. 3421 to 3430 —
345. 3431 to 3440 —
346. 3441 to 3450 —
347. 3451 to 3460 —
348. 3461 to 3470 —
349. 3471 to 3480 —
350. 3481 to 3490 —
351. 3491 to 3500 —
352. 3501 to 3510 —
353. 3511 to 3520 —
354. 3521 to 3530 —
355. 3531 to 3540 —
356. 3541 to 3550 —
357. 3551 to 3560 —
358. 3561 to 3570 —
359. 3571 to 3580 —
360. 3581 to 3590 —
361. 3591 to 3600 —
362. 3601 to 3610 —
363. 3611 to 3620 —
364. 3621 to 3630 —
365. 3631 to 3640 —
366. 3641 to 3650 —
367. 3651 to 3660 —
368. 3661 to 3670 —
369. 3671 to 3680 —
370. 3681 to 3690 —
371. 3691 to 3700 —
372. 3701 to 3710 —
373. 3711 to 3720 —
374. 3721 to 3730 —
375. 3731 to 3740 —
376. 3741 to 3750 —
377. 3751 to 3760 —
378. 3761 to 3770 —
379. 3771 to 3780 —
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387. 3851 to 3860 —
388. 3861 to 3870 —
389. 3871 to 3880 —
390. 3881 to 3890 —
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393. 3911 to 3920 —
394. 3921 to 3930 —
395. 3931 to 3940 —
396. 3941 to 3950 —
397. 3951 to 3960 —
398. 3961 to 3970 —
399. 3971 to 3980 —
400. 3981 to 3990 —
401. 3991 to 4000 —
402. 4001 to 4010 —
403. 4011 to 4020 —
404. 4021 to 4030 —
405. 4031 to 4040 —
406. 4041 to 4050 —
407. 4051 to 4060 —
408. 4061 to 4070 —
409. 4071 to 4080 —
410. 4081 to 4090 —
411. 4091 to 4100 —
412. 4101 to 4110 —
413. 4111 to 4120 —
414. 4121 to 4130 —
415. 4131 to 4140 —
416. 4141 to 4150 —
417. 4151 to 4160 —
418. 4161 to 4170 —
419. 4171 to 4180 —
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422. 4201 to 4210 —
423. 4211 to 4220 —
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426. 4241 to 4250 —
427. 4251 to 4260 —
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430. 4281 to 4290 —
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436. 4341 to 4350 —
437. 4351 to 4360 —
438. 4361 to 4370 —
439. 4371 to 4380 —
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447. 4451 to 4460 —
448. 4461 to 4470 —
449. 4471 to 4480 —
450. 4481 to 4490 —
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456. 4541 to 4550 —
457. 4551 to 4560 —
458. 4561 to 4570 —
459. 4571 to 4580 —
460. 4581 to 4590 —
461. 4591 to 4600 —
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463. 4611 to 4620 —
464. 4621 to 4630 —
465. 4631 to 4640 —
466. 4641 to 4650 —
467. 4651 to 4660 —
468. 4661 to 4670 —
469. 4671 to 4680 —
470. 4681 to 4690 —
471. 4691 to 4700 —
472. 4701 to 4710 —
473. 4711 to 4720 —
474. 4721 to 4730 —
475. 4731 to 4740 —
476. 4741 to 4750 —
477. 4751 to 4760 —
478. 4761 to 4770 —
479. 4771 to 4780 —
480. 4781 to 4790 —
481. 4791 to 4800 —
482. 4801 to 4810 —
483. 4811 to 4820 —
484. 4821 to 4830 —
485. 4831 to 4840 —
486. 4841 to 4850 —
487. 4851 to 4860 —
488. 4861 to 4870 —
489. 4871 to 4880 —
490. 4881 to 4890 —
491. 4891 to 4900 —
492. 4901 to 4910 —
493. 4911 to 4920 —
494. 4921 to 4930 —
495. 4931 to 4940 —
496. 4941 to 4950 —
497. 4951 to 4960 —
498. 4961 to 4970 —
499. 4971 to 4980 —
500. 4981 to 4990 —
501. 4991 to 5000 —
502. 5001 to 5010 —
503. 5011 to 5020 —
504. 5021 to 5030 —
505. 5031 to 5040 —
506. 5041 to 5050 —
507. 5051 to 5060 —
508. 5061 to 5070 —
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537. 5351 to 5360 —
538. 5361 to 5370 —
539. 5371 to 5380 —
540. 5381 to 5390 —
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542. 5401 to 5410 —
543. 5411 to 5420 —
544. 5421 to 5430 —
545. 5431 to 5440 —
546. 5441 to 5450 —
- 5

DAILY WEATHER REPORT

JULY 23rd 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 THERM.			WIND.		Weather.	Sea. (0 to 9.)	SHADE THERM.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...																		
Hernösand ...																		
Stockholm ...																		
Wiesby ...																		
Christiansund ...																		
Skudesnaes ...																		
Oxö (Åsnesand) ...																		
Skagen (The Sea) ...	29.86	59	SSE	2	o	29.82	+ .01	63	60	+ 5	S	4	o	3	64	55	0.12	
Fanö ...	29.82	62	SSE	4	o	29.74	- .13	62	62	- 2	SSE	4	c	#	66	61	0.20	
Cuxhaven ...	29.89	61	S	3	c	29.79	- .19	69	65	+ 6	S	2	o	#	61	61	-	
Sumburgh Head ...	29.48	58	SE	3	m	29.44	- .11	55	55	o	SE	1	f	2	58	51	0.03	
Stornoway ...	29.44	59	SSH	3	bc	29.35	- .08	57	55	o	SSE	1	f	1	62	43	0.04	
Thurso ...	29.43	59	NSE	2	o	29.39	- .07	61	58	- 4	S	1	bc	2	72	52	-	
Wick ...	29.42	60	N	3	o	29.47	- .08	58	56	- 2	SE	2	b	0	66	50	-	
Nairn ...	29.48	62	Z	0	bc	29.34	- .13	65	58	- 1	Z	0	bc	0	70	51	-	
Aberdeen ...	29.49	61	SSH	2	o	29.45	- .08	60	57	- 2	S	2	o	1	63	55	0.02	
Leith ...	29.52	61	SH	1	o	29.43	- .09	59	56	- 4	Z	0	o	#	70	54	-	
Shields ...	29.58	64	SH	4	o	29.49	- .15	63	60	+ 2	SH	4	o	2	64	60	0.01	
Scarborough ...	29.60	66	SSH	3	o	29.55	- .14	63	61	+ 4	S	3	o	2	68	59	-	
York ...	29.64	65	S	2	o	29.54	- .19	62	60	+ 3	S	3	o	#	65	56	-	
Nottingham ...	29.67	66	S	6	o	29.56	- .20	65	62	+ 3	SSE	7	o	#	73	59	0.03	
Ardrossan ...	29.80	60	SSH	1	o	29.41	- .10	58	56	- 1	SSE	2	o	3	62	56	0.05	
Greencastle ...	29.41	65	S	1	c	29.31	- .11	57	54	- 1	S	2	o	#	66	51	0.17	
Donaghadee ...	29.49	58	SSH	4	c	29.38	- .14	55	55	- 6	ESE	4	o	3	62	52	0.04	
Kingstown ...	29.49	63	S	3	bc	29.36	- .23	59	57	- 2	SSE	3	clouds	2	64	57	0.16	
Holyhead ...	29.54	59	SSH	4	m	29.40	- .21	58	58	o	SSE	2	m	1	61	56	0.81	
Liverpool (Bidston) ...	29.58	63	S	2	o	29.45	- .21	60	60	o	S	1	f	1	65	58	0.09	
Valencia ...	29.45	58	SSH	4	o	29.25	- .29	56	54	- 1	S	5	bc	6	61	53	0.20	
Roche's Point ...	29.51	58	SSH	3	bc	29.32	- .28	57	56	- 1	SSH	4	fm	4	62	56	0.29	
Pembroke ...	29.61	59	SSH	4	c	29.46	- .32	58	58	o	SSE	6	f	4	59	57	0.77	
Portishead ...	29.70	63	S	5	o	29.55	- .22	62	61	o	SE	6	ow	3	69	57	0.33	
Scilly ...																		
Plymouth ...	29.73	61	S	4	c	29.53	- .27	60	60	o	S	4	ot	#	63	59	0.13	
Hurst Castle ...	29.78	62	SH	4	o	29.66	- .19	63	62	+ 1	SH	5	o	5	66	60	0.02	
Dover ...	29.80	64	NSE	3	bc	29.78	- .13	63	60	o	SH	4	bc	4	67	60	-	
London ...	29.78	66	SH	2	c	29.69	- .16	64	61	+ 2	S	3	o	#	67	59	-	
Oxford ...	*	*	*	*	*	29.59	- .21	63	60	+ 2	S	2	o	#	69	48	-	
Cambridge ...	29.74	64	S	2	c	29.65	- .18	64	62	+ 14	S	2	o	#	68	57	-	
Yarmouth ...	29.76	67	SH	3	f	29.70	- .21	63	62	o	S	4	c	3	71	58	-	
The Helder ...	*	*	*	*	*	29.77	- .14	66	62	+ 3	SH	2	bc	#	*	*	-	
Cape Gris Nez ...	29.83	64	SSH	2	o	29.77	- .13	66	63	+ 2	SSH	3	bc	2	70	61	-	
Jersey ...																		
Brest ...																		
L'Orient ...	29.91	64	NSE	4	m	29.76	- .19	63	61	+ 2	SH	4	m	4	70	59	-	
Rochefort ...	29.96	72	N	3	bc	29.87	- .06	68	66	o	SH	2	o	3	79	61	-	
Biarritz ...	29.95	75	NNE	3	o	29.82	- .19	68	66	o	FNE	4	b	3	?	61	-	
Corunna ...	*	*	*	*	*	29.82	- .22	68	*	+ 4	SH	6	cd	5	*	*	*	
Brussels ...	*	*	*	*	*	29.84	- .13	65	*	+ 4	SE	3	c	#	*	*	-	
Charleville ...	*	*	*	*	*	? 29.84	- .08	68	*	+ 5	S	3	c	#	*	*	*	
Paris ...	29.77	84	N	3	bc	29.87	- .09	68	*	o	S	3	bc	#	*	*	0.05	
Lyons ...	*	*	*	*	*	29.96	- .08	74	*	+ 4	SE	2	?	#	*	*	*	
Toulon ...	30.00	73	SE	2	m	30.00	- .09	68	63	?	E	4	c	3	79	64	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.72	58	57	SSE	6	f	5	Valencia							
Thurso	*							Scilly							
Scarborough ...								London					*		
Greencastle ...							*	Rochefort ...	29.98	72	66	NNE	4	0	3
Holyhead															

EXPLANATION OF COLUMNS.

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

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

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

JULY 24TH 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.84	56	Z	0	bc	29.87	-.02	61	55	+ 2	S	2	bc	*	*	*	-	
Hernösand ...	29.84	58	SSW	2	bc	29.84	-.04	63	60	+ 6	S	2	c	*	*	*	-	
Stockholm ...	29.84	61	Z	0	o	29.88	-.01	64	60	- 2	SE	2	o	*	*	*	-	
Wisby ...	29.93	60	SSW	2	bc	29.88	.00	68	62	+ 6	SSE	4	c	*	*	*	-	
Christiansund ...	29.63	64	E	1	c	29.60	-.07	65	57	+ 1	ESE	1	o	?	?	?	-	
Skudesnaes ...	29.65	61	SSE	6	o	29.54	-.13	66	63	+ 4	SE	4	o	4	?	61	-	
Oxö (Xtiansand) ...	29.73	61	S	2	o	29.68	-.07	60	59	0	NE	3	c	2	63	57	-	
Skagen (The Saaw) ...	29.77	62	S	3	o	29.71	-.11	64	61	+ 1	S	2	o	0	66	57	0.04	
Fanö ...	29.74	61	SSE	2	bc	29.59	-.15	71	69	+ 9	SE	6	bc	*	72	61	0.20	
Cuxhaven ...	29.82	?	?	3	bc	29.65	-.14	73	69	+ 4	S	3	bc	*	?	63	-	
Sumburgh Head ...	29.37	58	SSE	4	f	29.29	-.15	54	54	- 1	SSE	3	f	3	58	52	0.41	
Stornoway ...	29.15	59	SE	1	f	29.17	-.18	57	54	0	SSW	6	c	5	63	46	0.03	
Thurso ...	29.22	56	SE	2	o	29.21	-.18	62	58	+ 1	S	2	bc	2	67	53	0.18	
Wick ...	29.23	55	SSE	4	o	29.22	-.25	57	55	- 1	E	3	bc	3	63	53	0.30	
Nairn ...	29.17	63	E	1	bc	29.21	-.13	62	55	- 3	SSW	2	bc	1	67	53	-	
Aberdeen ...	29.27	57	S	4	c	29.28	-.17	58	55	- 2	S	3	bc	2	63	53	0.29	
Leith ...	29.22	66	SW	4	bc	29.29	-.14	61	55	+ 2	SW	4	bc	*	68	52	0.27	
Shields ...	29.34	67	SSW	5	c	29.38	-.11	57	54	- 6	SSW	3	f	2	67	54	0.32	
Scarborough ...	29.41	67	S	5	f	29.44	-.11	61	57	- 2	WSW	2	bc	*	68	56	0.35	
York ...	29.41	64	S	4	o	29.45	-.09	59	56	- 3	SSW	3	bc	*	68	52	0.30	
Nottingham ...	29.44	67	S	7	o	29.51	-.05	63	59	- 2	SW	5	c	*	71	51	0.31	
Ardrossan ...	29.23	60	SSW	2	c	29.30	-.11	56	54	- 2	SSW	3	o	?	63	54	0.43	
Greencastle ...	29.16	58	S	2	o	29.21	-.10	57	53	0	SW	3	c	*	64	52	0.21	
Donaghadee ...	29.25	59	SSW	3	bc	29.32	-.06	55	54	0	SSW	4	bc	3	64	57	0.10	
Kingstown ...	29.28	64	S	5	bc	29.39	+ .03	58	52	- 1	WSW	4	bc	3	66	54	0.08	
Holyhead ...	29.34	59	SSW	4	bc	29.41	+ .01	57	50	- 1	SSW	5	bc	4	63	54	0.26	
Liverpool (Bidston) ...	29.35	63	SW	3	o	29.44	-.01	60	54	0	SW	2	bc	1	67	53	0.11	
Valencia ...	29.24	58	SW	5	bc	29.45	+ .20	58	54	+ 2	WSW	4	c	4	62	50	0.28	
Roche's Point ...	29.33	61	SW	5	bc	29.47	+ .15	58	55	+ 1	WSW	4	bc	4	65	52	0.03	
Pembroke ...	29.40	61	SSW	2	bc	29.50	+ .14	59	55	+ 1	WSW	2	bc	3	61	57	0.12	
Portishead ...	29.44	59	SSW	4	f	29.54	-.01	58	56	- 4	SW	4	bc	4	65	57	0.69	
Seilly ...	29.46	57	SSW	2	o	29.58	+ .05	60	58	0	WSW	4	bc	*	62	54	0.62	
Plymouth ...	29.57	64	SSW	5	f	29.60	-.06	61	59	- 2	W	3	c	3	65	59	0.44	
Hurst Castle ...	29.62	66	SSW	1	bc	29.58	-.17	66	62	+ 3	WSW	4	bc	3	?	69	62	-
Dover ...	29.58	66	SSE	4	o	29.57	-.12	61	57	- 3	W	2	bc	*	69	55	0.39	
London ...	*	*	*	*	*	29.55	-.04	60	56	- 3	SW	1	o	*	70	53	0.63	
Oxford ...	29.53	65	S	3	o	29.55	-.10	59	57	- 5	SW	1	c	*	71	54	0.18	
Cambridge ...	29.60	69	SSW	3	bc	29.50	-.20	60	58	- 3	W	2	f	1	70	59	0.18	
Yarmouth ...	*	*	*	*	*	29.56	-.21	71	66	+ 5	SSW	2	bc	*	*	*	-	
The Helder ...	29.65	72	S	2	bc	29.62	-.15	61	57	- 5	SSW	4	c	3	73	59	0.04	
Cape Gris Nez ...	29.58	63	S	4	o	29.66	-.15	58	56	- 2	SW	3	c	3	?	55	1.74	
Jersey ...	29.64	64	SSW	4	f	29.71	+ .02	59	57	- 2	WSW	3	o	4	?	52	0.32	
Brest ...	29.62	61	SSW	5	m	29.73	-.03	59	57	- 4	WSW	3	o	4	66	54	0.32	
L'Orient ...	29.69	70	WSW	1	o	29.72	-.15	63	61	- 5	NN	4	f	3	?	61	0.12	
Rochefort ...	29.67	77	ENE	2	c	29.73	-.09	70	66	+ 2	W	4	f	3	88	66	-	
Biarritz ...	*	*	*	*	*	29.62	-.22	72	*	+ 7	SSW	6	o	*	*	*	*	
Coranna ...	*	*	*	*	*	29.60	-.24	71	*	+ 3	S	?	?	*	*	*	*	
Brussels ...	29.68	77	SW	3	bc	29.69	-.18	67	*	- 1	SW	2	o	*	*	*	*	
Charleville ...	*	*	*	*	*	29.76	-.20	81	*	+ 7	S	7	bc	*	*	*	*	
Paris ...	*	*	*	*	*	29.88	-.12	70	66	+ 2	? E	5	o	4	75	68	-	
Lyons ...	29.94	70	E	4	bc													
Toulon ...																		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.64	64	63	SSE	6	o	4	Valencia ...	29.23	62	57	SW	7	bc	6
Thurso	29.35	60	58	SE	3	f	2	Seilly							
Scarborough ...	29.46	68	63	S	5	o	4	London	29.63	66	64	SSE	4	ot	*
Greencastle ...	29.20	58	57	S	2	f	*	Rochefort ..	29.77	81	70	W	1	c	3
Holyhead	29.29	61	59	SW	6	bc	4								

The disturbed weather has spread all over Great Britain. In London a steady rain has been falling since noon. On our SW. coasts the wind is veering towards SW. and the barometer has begun to rise.

EXPLANATION OF COLUMNS.

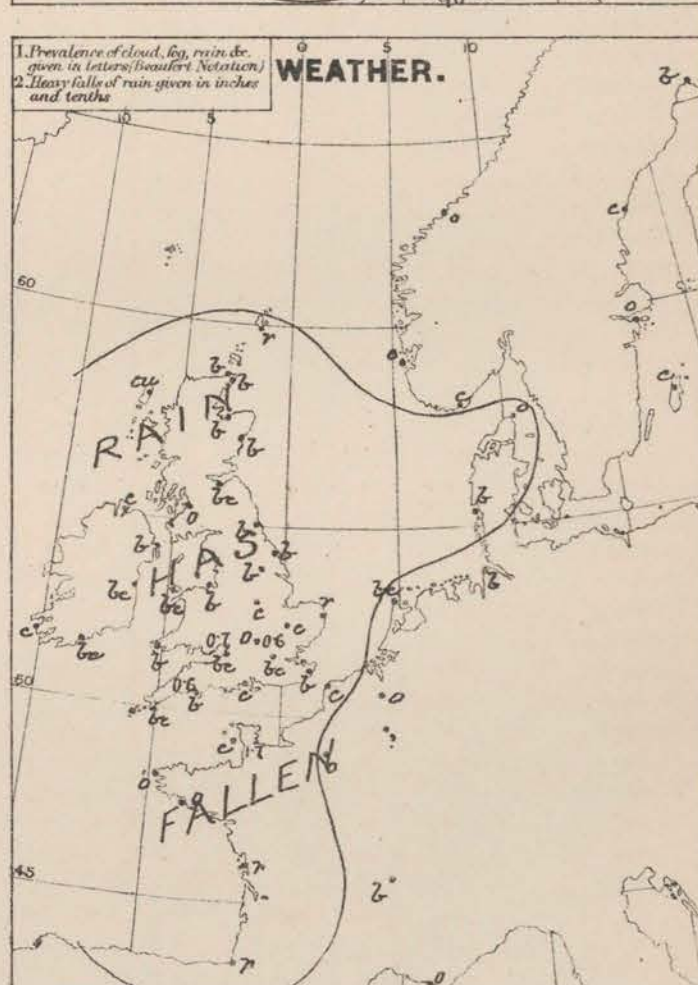
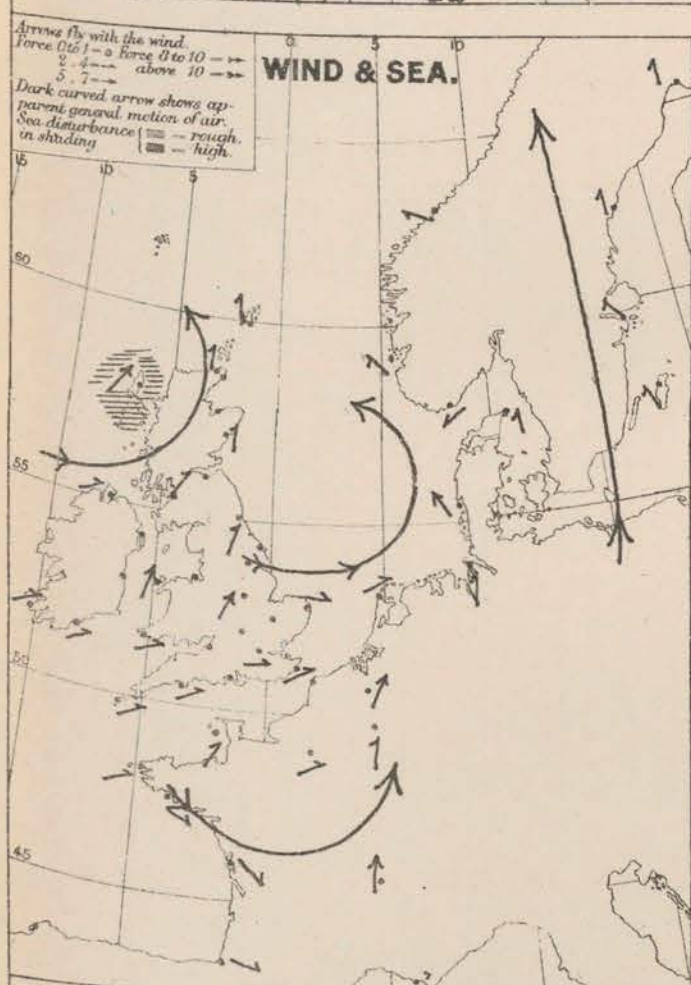
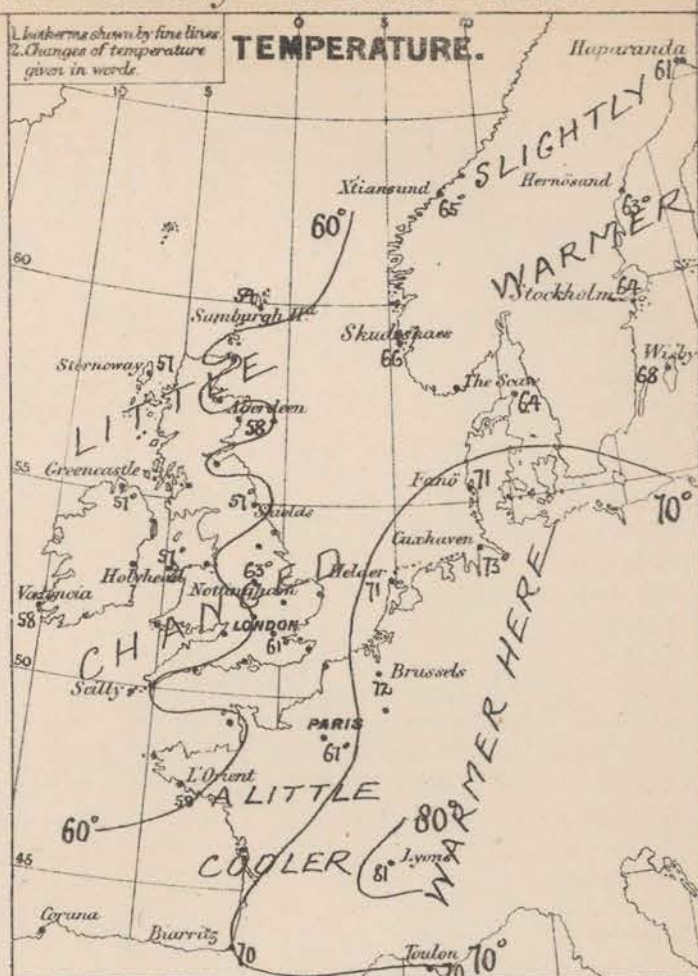
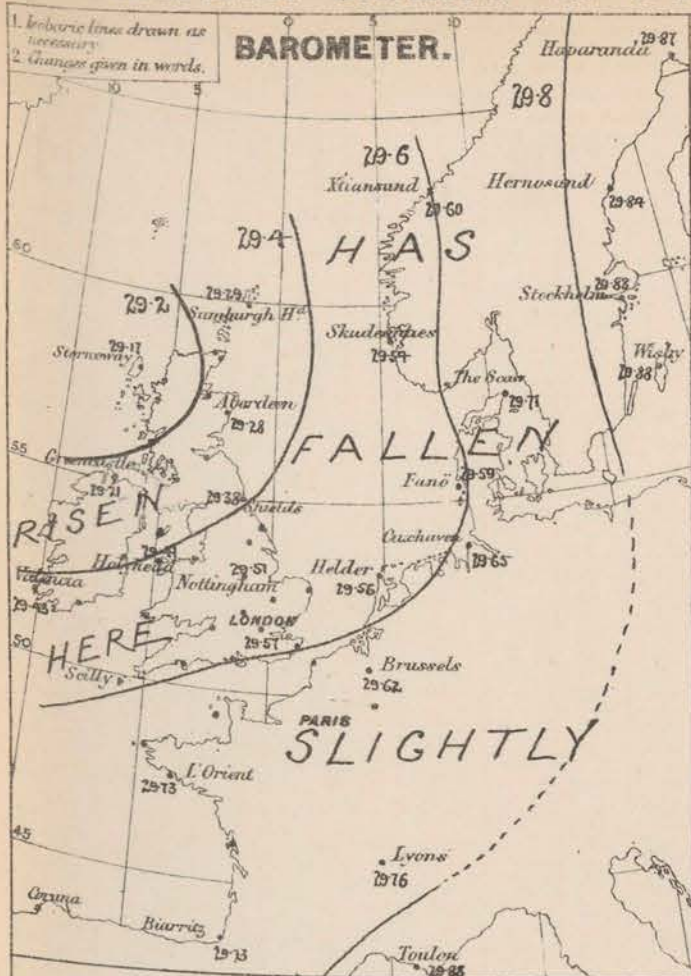
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; r. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 24. JULY 1877.



REMARKS. Weather has been showery during the past 24 hrs: all over NW Europe, with thunder at Paris, but is now improving. 1.7 in. of Rain was measured at Jersey this morning, and from 0.7 in. to 0.4 in. over the S. of England. Elsewhere the quantity was smaller. Temperature remains rather low, about 60° over England, and Scotland, and 58° over Ireland. The daily range has been moderate; the highest readings yesterday were about 70° in the Central parts of England. Wind is moderate in nearly all places; NW in the Bay of Biscay, W in the Channel, SW to S over N. coasts, and SE in Norway. It blew freshly from S in London last night. Sea is moderate in the SW and S, slight elsewhere. No settled weather probable yet.

Barometrical indications. A well formed depression has passed in a NE direction along our W. coasts, during the night, and is now off the W. of Scotland, while a small secondary disturbance passed over France, and the SE. of England, and lies over the North Sea. There are also some signs of a fresh, but small disturbance over France this morning. Although the weather is now improving the changes in pressure are too numerous, and sudden for any continuance of fine day weather to be anticipated at present.

DAILY WEATHER REPORT JULY 25TH 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 11).		Reading at 350 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 11).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*	*	*		
Skudesnaes ...																		
Oxö (Xiänsand) ...																		
Skagen (The Sæw) ...	29.67	63	SW	2	t	29.69	+ .02	63	61	- 1	NW	3	bc	1	73	59	0.35	
Fanö ...	29.64	65	Z	0	c	29.74	+ .10	60	58	- 11	Z	0	c	*	75	59	0.12	
Cuxhaven ...																		
Sumburgh Head ...	29.32	56	SSE	4	t	29.43	+ .11	55	52	+ 1	SSE	4	c	5	58	50	0.15	
Stornoway ...	29.26	57	SSW	7	c	29.35	+ .09	54	53	- 3	SW	6	pg	6	?	50	0.14	
Thurso ...	29.28	61	SSW	2	c	29.42	+ .14	60	54	- 2	SSW	3	c	3	69	49	-	
Wick ...	29.34	58	SE	2	c	29.45	+ .11	58	54	+ 1	SSW	3	t	2	68	52	-	
Nairn ...	29.33	62	SW	1	t	29.46	+ .13	59	52	- 3	SW	4	t	2	66	51	-	
Aberdeen ...	29.38	60	SSW	4	t	29.54	+ .16	58	53	0	SSW	4	t	2	65	50	0.12	
Leith ...	29.43	58	WSW	2	bc	29.60	+ .17	56	52	- 5	WSW	4	c	*	67	52	-	
Shields ...	29.51	65	SW	4	t	29.67	+ .16	58	54	+ 1	WSW	2	t	1	68	52	-	
Scarborough ...	29.55	64	SW	2	c	29.74	+ .19	61	56	0	WSW	3	t	2	68	52	-	
York ...	29.55	64	SW	2	c	29.76	+ .21	59	54	0	SW	3	t	*	71	51	-	
Nottingham ...	29.59	65	SW	3	t	29.83	+ .24	65	60	+ 2	SW	6	bc	*	72	49	-	
Ardrossan ...	29.43	56	SSW	3	t	29.62	+ .19	56	53	0	SSW	3	cp	3	61	55	0.11	
Greencastle ...	29.36	55	SW	3	0	29.60	+ .24	55	53	- 2	SW	3	0	*	62	50	0.12	
Donaghadee ...	29.46	60	W	3	c	29.67	+ .21	57	54	+ 2	W	5	bc	4	64	50	0.06	
Kingstown ...	29.50	59	WSW	3	0	29.78	+ .28	58	53	0	WSW	4	c	2	66	64	0.12	
Holyhead ...	29.53	59	SW	6	bc	29.78	+ .25	56	53	- 1	SW	5	0	4	64	53	0.03	
Liverpool (Ediston) ...	29.57	63	SW	3	t	29.78	+ .21	58	53	- 2	WSW	3	c	2	66	51	0.02	
Valencia ...	29.60	59	W	5	bc	29.79	+ .19	55	54	- 3	SW	4	tg	4	62	53	0.06	
Roche's Point... ..	29.61	61	WSW	5	bc	29.82	+ .21	59	58	+ 1	WSW	4	c	4	66	54	-	
Pembroke ...	29.63	61	SW	3	t	29.86	+ .23	59	56	0	WSW	2	bc	2	62	56	-	
Portishead ...	29.69	61	SW	5	bc	29.87	+ .18	59	56	+ 1	WSW	4	bc	4	67	54	0.06	
Seilly ...																		
Plymouth ...	29.71	61	SW	4	t	29.93	+ .22	60	57	0	SW	3	0	*	67	54	-	
Hurst Castle ...	29.66	63	W	3	bc	29.98	+ .32	61	58	0	WSW	3	t	3	64	58	-	
Dover ...	29.70	62	WSW	4	t	29.91	+ .21	64	59	- 2	WSW	3	bc	2	67	56	-	
London ...	29.68	68	SW	3	c	29.90	+ .22	62	57	+ 1	WSW	3	bc	*	71	52	-	
Oxford ...	*	*	*	*	*	29.88	+ .20	60	56	0	WSW	1	bc	*	70	52	0.01	
Cambridge ...	29.65	63	SW	1	c	29.87	+ .22	61	56	+ 2	SW	1	bc	*	69	49	-	
Yarmouth ...	29.62	67	S	1	t	29.84	+ .22	62	58	+ 2	W	3	bc	2	68	54	-	
The Helder ...	*	*	*	*	*	29.82	+ .14	64	60	- 7	WSW	2	c	*	*	*	-	
Cape Gris Nez ...	29.57	61	SSW	4	bc	29.93	+ .36	61	59	0	WSW	4	bc	3	66	57	-	
Jersey ...	29.78	60	W	3	c	29.98	+ .20	60	59	+ 2	W	3	c	3	67	57	0.10	
Brest ...																		
L'Orient ...	29.82	63	W	3	bc	30.07	+ .25	61	59	+ 2	WSW	3	0	3	66	59	-	
Rocheport ...	29.89	66	WSW	4	c	30.13	+ .24	64	59	+ 1	WSW	4	bc	3	82	54	0.39	
Biarritz ...	29.97	72	SW	3	0	30.14	+ .17	63	61	- 7	SW	4	t	4	75	59	0.24	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.92	+ .20	60	*	- 12	SW	2	0	*	*	*	0.14	
Charleville ...	*	*	*	*	*	29.85	+ .28	61	*	- 10	W	3	0	*	*	*	*	
Paris ...	29.71	62	WSW	3	t	29.99	+ .28	63	*	- 4	W	3	t	*	*	*	0.28	
Lyons ...	*	*	*	*	*	30.05	+ .29	68	*	- 13	WSW	4	bc	*	*	*	*	
Toulon ...	29.79	72	E	6	t	29.90	+ .11	64	61	- 6	W	6	t	6	73	?	0.04	

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

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	29.49	63	61	SSE	8	rf	5	Valencia	29.52	62	57	SW	5	0	6
Thurso	29.23	66	56	SSW	5	c	3	Seilly							
Scarborough ...	29.52	67	60	SW	3	t	2	London	29.66	69	61	SW	2	c	*
Greencastle ...	29.32	59	55	Sgt	2	0	*	Rocheport ...	29.83	63	59	WSW	4	t	3
Holyhead	29.51	62	59	SW	5	t	4								

No important change since the morning, beyond a general rise of the barometer.

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.

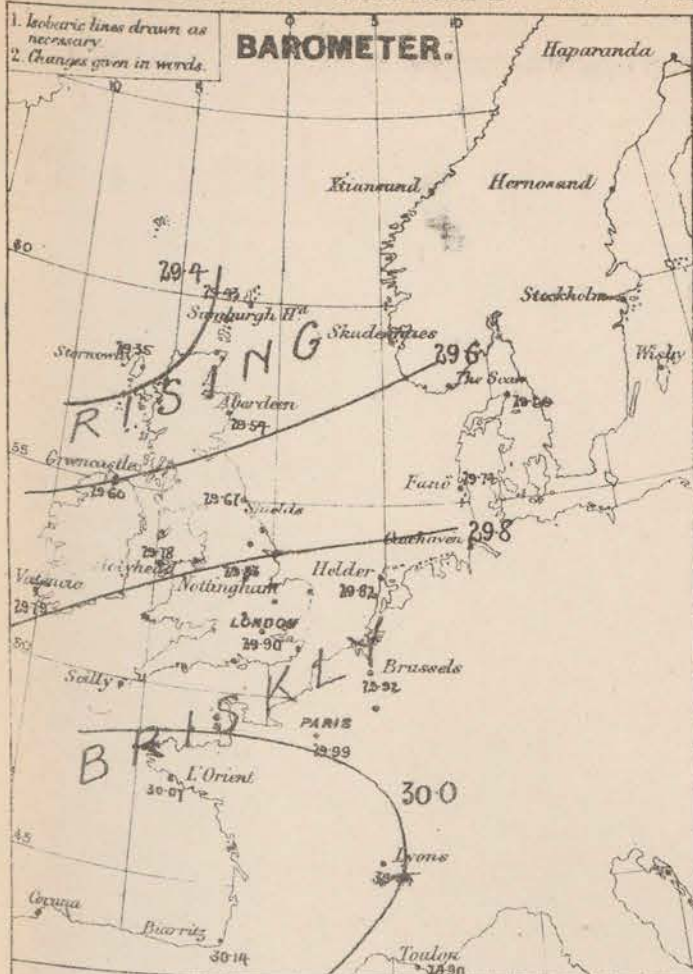
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 25th JULY 1877.

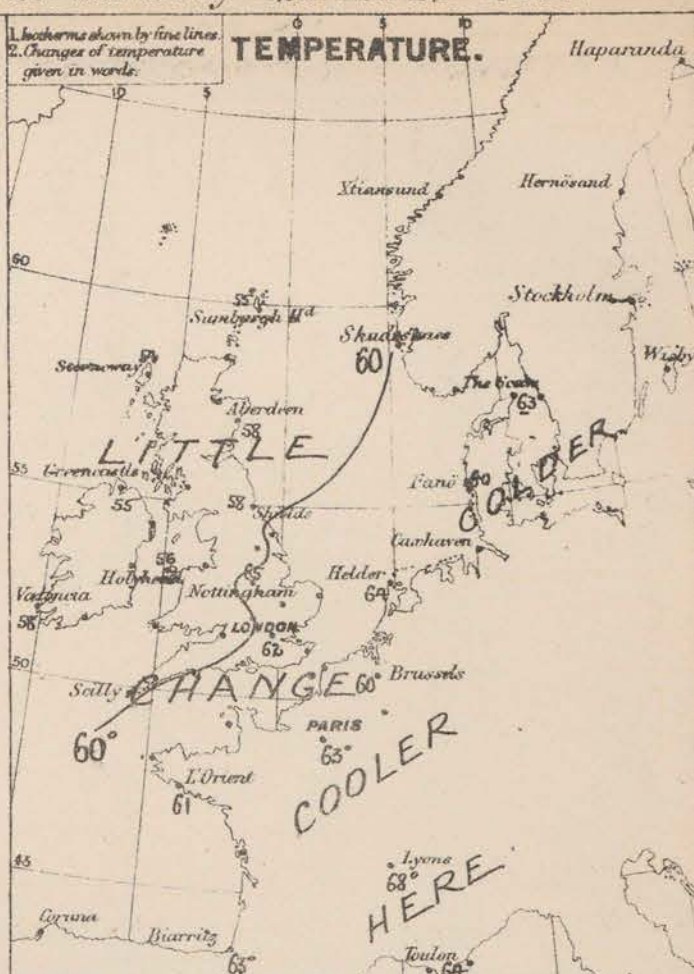
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



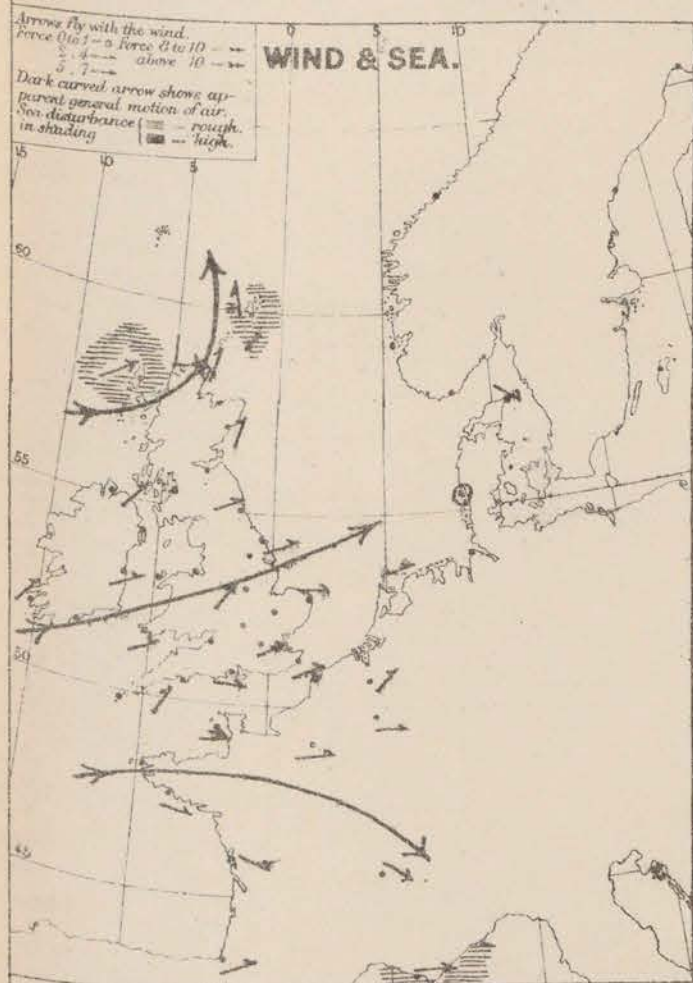
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



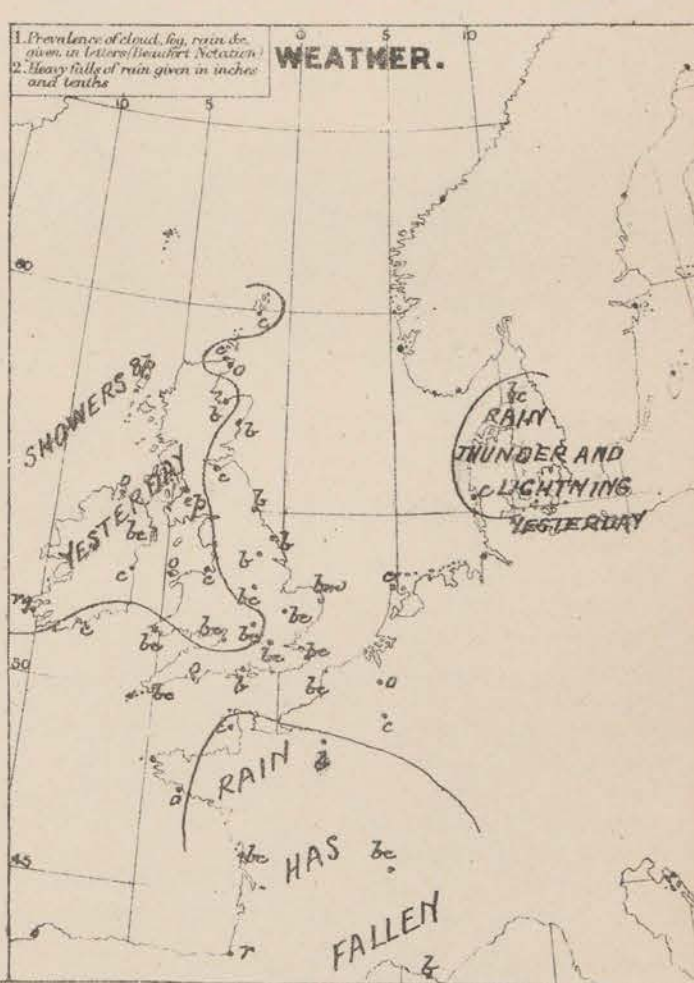
1. Arrows fly with the wind. Force 0 to 10 - - - - - above 10 - - - - -
2. Dark curved arrow shows apparent general motion of air. Sea disturbance (- - - - -) rough in shading (- - - - -) high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather has improved considerably. Clouds have decreased in the E. and S.; no rain is reported from our S. and E. coast and only a little in the W. and N. In France, however, there has been more. Temperatures is little changed, being about 58° over Ireland and Scotland, and 62° over England this morning. The maximum values for yesterday were about 70° in Central England. Winds is moderate generally, W. in France, WNW in the S. of England, SW in Ireland and Scotland. Seas is little disturbed, except in portions N. Fine weather probable in France, and S. of England, but showers and squalls in Ireland and N. Britain.

Barometrical Indications. The barometer has risen everywhere since yesterday, most in the S. and W. Moderately steep gradients for W. to S. winds prevail generally, but the rise of the mercury in the far W. seems to be checked, and a fresh fall is probably approaching over W. coasts from the Atlantic. This would cause the wind first to "back", and freshen in the W. and NW as stated above.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 2/6 per quarter, book post 5/- per quarter.

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

R. H. SCOTT.
Secretary.

Langerfeld Lith 22 Bedford St., Covent Garden.

DAILY WEATHER REPORT JULY 26th 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.	Sec. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirce.	Force. (0 to 12).		Reading at 320 and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...	29.71	60	SE	1	c	29.77	+ .06	61	59	+ 2	W	1	bc	1	61	48	-	
Skudesnaes ...	29.80	60	S	2	b	29.82	+ .02	64	59	+ 5	S	4	bc	4	64	59	-	
Oxö (Xtiansand) ...	29.82	62	SSW	4	b	29.85	+ .03	58	56	- 2	SSW	2	bc	2	?	57	-	
Skagen (The Saaw) ...	29.85	58	WSW	3	c	29.86	+ .01	61	57	- 4	W	2	c	1	66	54	-	
Fanö ...	29.89	58	W	3	bc	29.88	+ .01	67	61	+ 6	WSW	14	c	*	68	55	0.04	
Cuxhaven ...	29.91	*	HH	3	o	29.97	+ .06	65	61	+ 4	SW	3	o	*	*	55	-	
Sumburgh Head ...	29.57	55	SSE	4	c	29.64	+ .07	55	52	- 3	SW	3	c	3	59	50	-	
Stornoway ...	29.55	54	SW	4	c	29.58	+ .03	56	52	+ 4	SW	5	c	5	58	48	0.14	
Thurso ...	29.58	60	SW	3	c	29.62	+ .04	57	54	- 3	SW	2	o	3	67	48	0.02	
Wick ...	29.63	59	W	3	bc	29.64	+ .01	58	54	- 4	SE	2	o	1	62	50	-	
Nairn ...	29.58	60	SW	2	b	29.66	+ .08	58	52	- 6	SW	1	b	1	65	49	-	
Aberdeen ...	29.66	61	SSW	3	b	29.70	+ .04	59	56	+ 3	SSW	2	c	1	67	52	-	
Leith ...	29.70	59	WSW	4	c	29.75	+ .05	58	55	+ 3	WSW	2	c	*	68	53	0.02	
Shields ...	29.82	62	WSW	3	c	29.79	+ .03	58	56	- 2	W	1	bc	0	63	55	-	
Scarborough ...	29.85	62	WSW	1	c	29.79	+ .06	56	55	- 1	WSW	1	o	1	65	56	0.05	
York ...	29.84	62	SW	1	c	29.79	+ .05	58	56	- 2	HH	1	bc	*	64	53	0.03	
Nottingham ...	29.90	63	SW	2	o	29.81	- .09	59	58	- 1	NNE	3	o	*	73	54	0.22	
Ardrossan ...	29.71	57	SSW	4	t	29.78	+ .07	58	56	+ 2	SSW	2	c	3	61	56	0.05	
Greencastle ...	29.66	61	W	2	c	29.78	+ .12	55	53	- 2	W	3	o	*	63	53	0.07	
Donaghadee ...	29.72	60	SW	3	bc	29.83	+ .11	60	57	+ 3	SW	3	bc	2	64	57	0.05	
Kingstown ...	29.78	62	S	1	c	29.91	+ .13	57	55	- 2	HH	4	o	3	65	55	0.10	
Holyhead ...	29.82	59	SSW	5	o	29.87	+ .05	57	56	+ 1	HH	4	b	3	64	55	0.08	
Liverpool (Bidston) ...	29.85	60	SW	2	o	29.84	+ .01	58	56	- 2	W	1	o	1	64	55	0.04	
Valencia ...	29.70	57	SSE	1	t	30.02	+ .32	57	56	+ 1	W	2	bc	3	60	53	0.46	
Roche's Point ...	29.86	59	SW	1	t	30.00	+ .14	59	55	- 4	HH	4	b	3	62	55	0.28	
Pembroke ...	29.88	58	SSW	3	t	29.92	+ .04	57	56	- 1	HH	3	o	3	61	56	0.21	
Portishead ...	29.90	63	SW	5	c	29.80	- .10	61	60	+ 1	WSW	4	o	3	68	54	0.26	
Scilly ...																		
Plymouth ...	29.99	61	S	3	o	29.91	- .08	61	60	+ 1	HH	4	o	*	68	58	0.56	
Hurst Castle ...	30.04	62	W	3	o	29.86	- .18	64	63	+ 1	W	4	o	5	64	61	0.46	
Dover ...	30.01	62	WSW	4	bc	29.78	- .23	61	60	- 1	SW	4	oudf	4	68	58	0.22	
London ...	29.98	65	SW	2	c	29.76	- .22	62	61	- 1	WSW	3	o	*	69	56	0.21	
Oxford ...	*	*	*	*	*	29.77	- .21	62	60	- 2	HH	2	o	*	70	55	0.53	
Cambridge ...	29.94	64	SW	1	c	29.78	- .16	60	60	- 0	HH	2	o	*	69	55	0.34	
Yarmouth ...	29.94	66	WSW	1	bc	29.71	- .23	61	60	- 1	SSW	2	o	3	68	56	0.37	
The Helder ...	*	*	*	*	*	29.88	+ .06	58	57	- 1	S	2	t	*	*	*	0.08	
Cape Gris Nez ...	30.03	63	WSW	5	b	29.82	- .21	?	61	?	SSE	6	t	5	66	57	0.32	
Jersey ...	? 30.02	62	WSW	2	o	? 29.98	- .04	61	61	+ 0	WSW	7	m	6	?	57	0.31	
Brest ...	30.15	66	WSW	4	o	30.10	+ .05	61	59	- 2	W	4	m	5	62	59	-	
L'Orient ...	30.15	64	W	4	bc	30.13	+ .02	61	61	+ 0	WSW	5	m	4	68	59	-	
Rochefort ...	30.20	70	HH	4	bc	30.25	+ .05	66	63	+ 3	W	5	t	5	79	57	0.04	
Biarritz ...	30.23	72	HH	3	bc	30.26	+ .03	64	59	+ 5	WSW	3	o	5	88	59	-	
Corunna ...	*	*	*	*	*									*	*	*		
Brussels ...	*	*	*	*	*	29.95	+ .03	60	*	- 5	SSW	6	t	*	*	*	-	
Charleville ...	*	*	*	*	*	? 29.97	+ .02	59	*	- 1	SW	6	o	*	*	*	*	
Paris ...	30.13	61	HH	2	bc	30.04	+ .09	70	*	- 6	SSW	3	*	*	*	*	0.08	
Lyons ...	*	*	*	*	*	30.27	+ .24	70	*	+ 3	W	2	c	*	*	*	*	
Toulon ...	29.96	72	HH	4	b	30.04	+ .08	64	55	- 9	HH	3	b	6	73	63	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sec.		Bar.	Dry.	Wet.	Wind.	Wes.	Sec.	
Skudesnaes ...	29.76	64	59	SW	4	b	Valencia	29.78	58	57	SSW	14	79	5
Thurso	29.52	64	56	SW	3	c	Scilly							
Scarborough ...	29.84	64	56	WSW	3	o	London	29.98	66	58	W	3	o	*
Greencastle ...	29.66	58	54	W	3	o	Rochefort ...	30.16	72	64	SW	4	bc	3
Holyhead	29.84	62	59	SSW	5	bc								

Weather has become cloudy or overcast in all parts of the Kingdom and rain and gloom are reported at Valencia. Wind is backing in the South West.
Barometer falling again Valencia but still rising 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. 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 JULY 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.	
			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 ...	29.93	66	Z	0	b	29.93	-.03	64	59	+ 2	S	2	b	*	*	*	0.20	
Hernösand ...	29.82	59	S	2	c	29.76	-.10	58	58	- 2	E	4	o	*	*	*	0.04	
Stockholm ...	29.77	66	SSE	4	o	29.74	-.14	65	62	- 3	SW	4	o	*	*	*	0.28	
Visby ...	29.74	66	SSE	4	o	29.78	-.04	62	58	- 11	N	4	o	*	*	*	0.24	
Christiansund ...	29.76	58	ENE	2	b	29.69	-.08	61	56	- 5	NNE	1	b	o	61	52	-	
Skudesnaes ...	29.81	61	SSW	4	b	29.83	+ .01	59	55	- 5	N	4	o	3	64	?	-	
Oxö (Xtiansand) ...	29.83	61	SSW	4	c	29.81	-.04	58	55	- 3	N	4	b	2	63	54	-	
Skagen (The Seaw) ...	29.85	59	Z	0	c	29.80	-.06	61	58	- 3	N	2	c	2	68	54	-	
Fanö ...	29.86	58	NN	1	c	29.87	-.01	65	60	- 5	NNN	4	b	*	66	57	-	
Cuxhaven ...	29.85	58	SS	3	r	29.95	-.10	65	61	- 4	NN	5	c	*	7	57	0.24	
Sumburgh Head ...	29.64	54	SSW	4	c	29.75	+ .11	55	52	- 3	NNN	6	b	o	59	50	-	
Stornoway ...	29.70	57	NNN	4	c	29.86	+ .16	55	53	- 2	N	3	o	3	59	48	0.01	
Thurso ...	29.68	55	N	2	o	29.85	+ .17	57	54	- 3	NNN	4	c	4	65	51	0.06	
Wick ...	29.73	58	NN	5	c	29.86	+ .13	58	54	- 4	NN	3	b	o	64	49	-	
Nairn ...	29.76	58	SW	2	o	29.89	+ .13	56	52	- 4	N	1	o	1	64	52	-	
Aberdeen ...	29.74	63	NNN	3	b	29.89	+ .15	58	53	- 5	SW	1	b	1	67	50	-	
Leith ...	29.85	57	NNN	4	c	29.96	+ .11	57	54	- 3	NNN	3	b	*	67	52	-	
Shields ...	29.91	62	N	4	c	30.02	+ .11	57	54	- 3	NNN	2	b	o	68	52	-	
Scarborough ...	29.92	63	N	2	c	30.03	+ .11	61	56	- 5	N	1	c	1	65	54	-	
York ...	29.96	62	N	3	b	30.05	+ .09	60	55	- 5	NNN	2	c	2	71	53	-	
Nottingham ...	30.02	65	NN	2	c	30.11	+ .09	63	60	- 3	S	3	o	*	75	53	-	
Ardrossan ...	29.91	58	NNN	3	c	30.02	+ .11	56	53	- 3	N	2	c	2	63	55	0.01	
Greencastle ...	29.91	58	N	3	o	30.04	+ .13	54	52	- 2	N	2	o	*	63	57	0.01	
Donaghadee ...	29.96	61	N	3	b	30.08	+ .12	59	55	- 4	N	3	c	2	64	54	0.02	
Kingstown ...	30.03	65	NNN	5	b	30.13	+ .10	59	54	- 5	NNN	4	o	3	66	56	-	
Holyhead ...	30.04	61	NNN	2	o	30.10	+ .06	58	55	- 3	N	3	o	2	65	55	-	
Liverpool (Bidston) ...	29.99	62	N	4	b	30.09	+ .10	58	56	- 2	N	4	o	2	65	57	-	
Valencia ...	30.11	60	SSW	3	o	30.20	+ .09	60	57	- 3	NN	1	o	2	63	54	0.01	
Roche's Point ...	30.12	64	NN	3	b	30.19	+ .07	59	55	- 4	NN	2	b	2	69	53	-	
Pembroke ...	30.08	60	NNN	3	b	30.17	+ .09	59	55	- 4	NNN	1	b	2	61	56	-	
Portishead ...	30.05	68	N	5	b	30.14	+ .09	61	59	- 2	N	3	a	3	70	55	-	
Scilly ...	30.14	64	NN	4	b	30.19	+ .05	63	61	- 2	NN	2	o	*	69	55	-	
Plymouth ...	30.14	64	NN	4	b	30.19	+ .05	63	61	- 2	NN	2	o	*	69	55	-	
Hurst Castle ...	30.06	68	NN	3	b	30.10	+ .04	62	59	- 3	NNN	3	b	2	71	57	-	
Dover ...	30.00	67	NNN	2	b	30.15	+ .15	60	58	- 2	NNN	3	b	2	68	57	-	
London ...	30.01	70	NNN	2	c	30.14	+ .13	60	58	- 2	NNN	1	c	*	72	52	-	
Oxford ...	*	*	*	*	*	30.14	+ .13	61	58	- 3	N	2	o	*	73	53	-	
Cambridge ...	29.98	69	NNN	3	b	30.12	+ .14	60	57	- 3	N	1	b	*	70	57	0.01	
Yarmouth ...	29.95	64	NNN	1	b	30.08	+ .13	59	58	- 1	N	2	c	2	65	52	-	
The Helder ...	*	*	*	*	*	30.04	+ .16	62	59	- 3	NNN	2	c	*	*	*	0.57	
Cape Gris Nez ...	30.01	64	NNN	2	o	30.18	+ .17	61	59	- 2	N	2	o	1	68	59	-	
Jersey ...	30.20	61	N	6	b	30.22	+ .02	60	60	- 2	NNN	3	f	3	61	57	0.07	
Brest ...	30.31	64	N	3	o	30.33	+ .02	61	59	- 2	NNN	3	m	4	?	57	0.08	
L'Orient ...	30.29	63	NNN	4	b	30.30	+ .01	61	61	- 2	NNN	4	m	4	66	57	0.01	
Rocheport ...	30.26	68	NNN	7	o	30.30	+ .04	66	64	- 2	NN	1	o	5	73	57	-	
Biarritz ...	30.39	72	N	4	o	30.38	+ .01	64	64	- 2	NNN	4	r	4	?	63	0.08	
Oran ...	*	*	*	*	*	30.13	+ .18	60	*	- 4	NNN	3	b	*	*	*	0.18	
Brussels ...	*	*	*	*	*	30.11	+ .14	58	*	- 3	SSW	3	o	*	*	*	*	
Charleville ...	*	*	*	*	*	30.23	+ .19	61	*	+ 4	N	3	b	*	*	*	*	
Paris ...	30.10	67	NN	4	c	30.26	+ .16	70	*	+ 4	N	2	b	*	*	*	*	
Lyons ...	*	*	*	*	*	30.26	+ .16	70	*	+ 4	N	2	b	*	*	*	*	
Toulon ...	30.00	77	NN	6	b	30.00	- 0.04	75	59	- 16	NN	6	b	7	79	63	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.81	64	55	SSE	6	f	4	Valencia	30.10	62	59	SW	3	o	4
Thurso	29.63	62	55	NSSN	4	c	3	Scilly							
Scarborough ...	29.86	62	56	Z	0	c	1	London	29.93	69	62	N	2	c	*
Greencastle ...	29.87	61	56	N	3	o	*	Rochefort ...	30.24	68	66	N	6	r	5
Holyhead	29.98	65	61	SW	4	c	3								

The barometer continues to rise generally, and the weather has improved over England; but the wind at Valencia has backed to SW. again with a dull sky.

EXPLANATION OF COLUMNS.

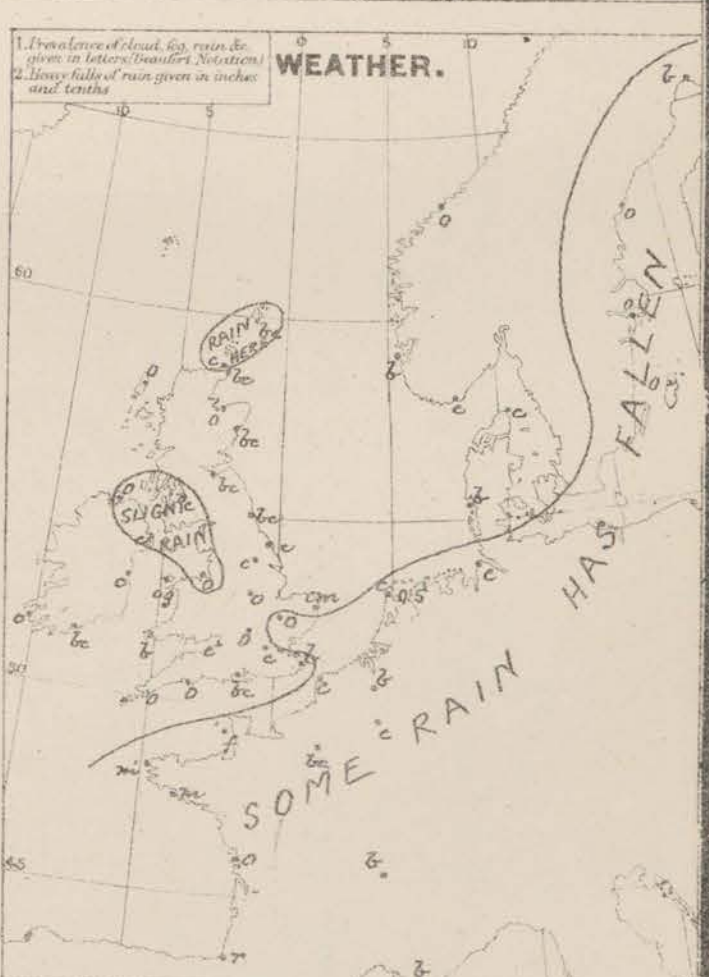
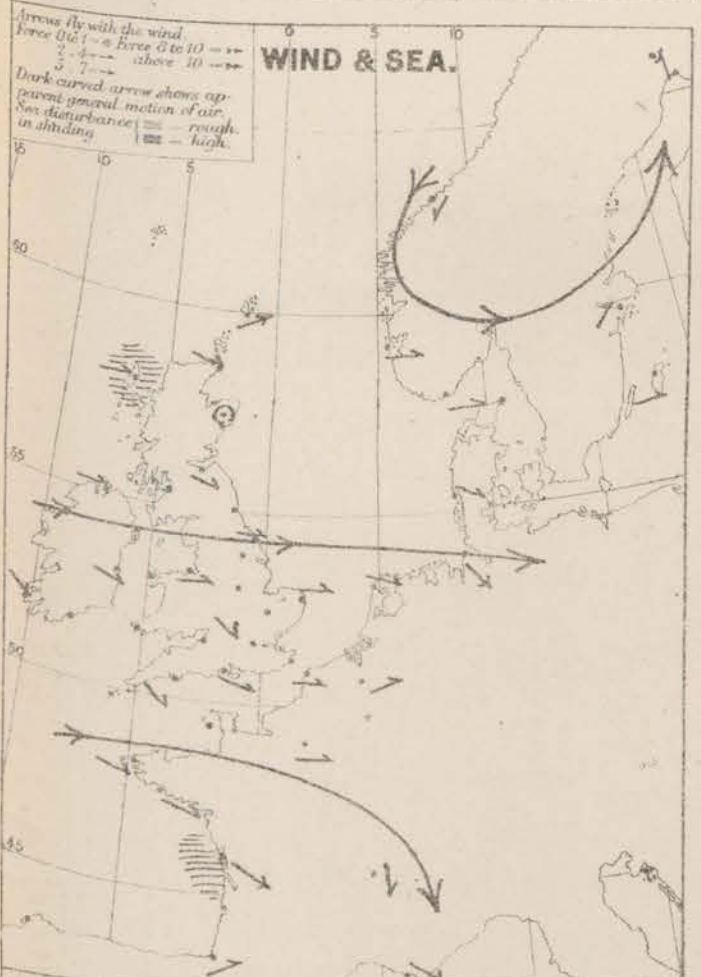
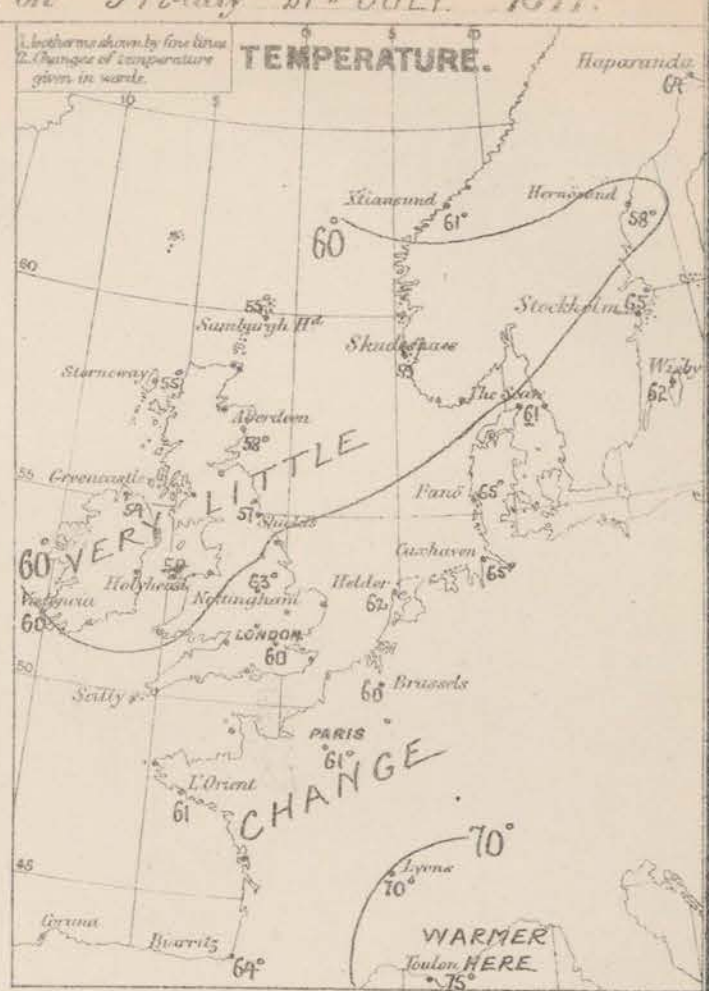
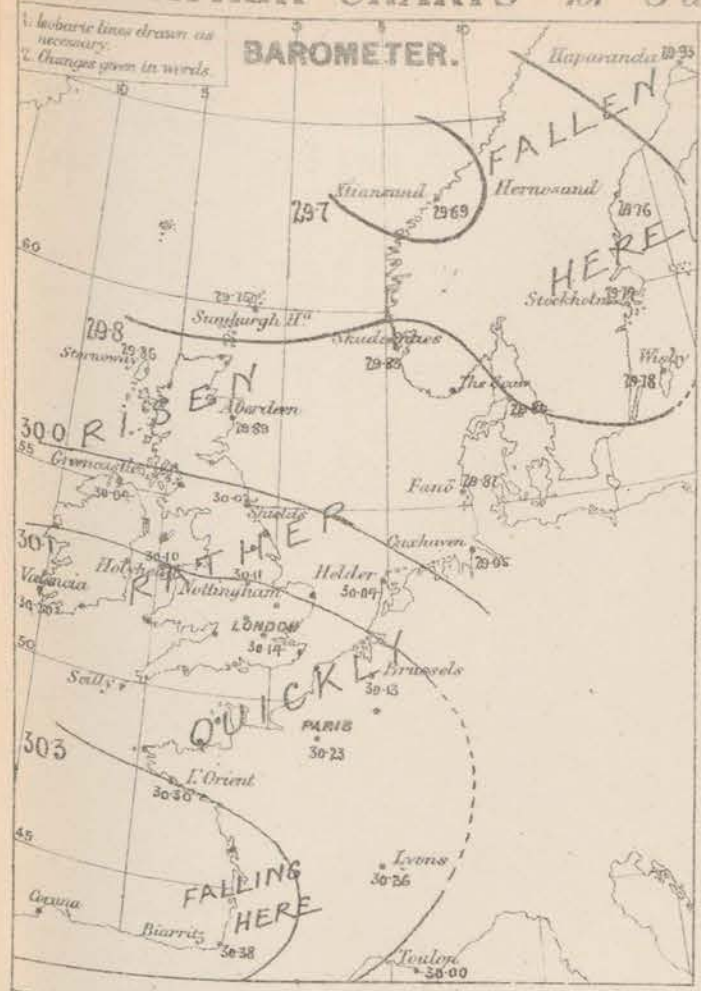
WEATHER.—Beaufort Scale is, b. blue sky; a. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Friday 27th JULY 1877.



REMARKS The weather is much finer than that reported yesterday. Rain has fallen in very small quantity, and only at a few of our N^o stations. Temperature shows scarcely any change, being still about 61° over the S^o of England, 56° in Scotland, and 58° in Ireland. The maximum over Central England yesterday was 71° to 73°. The minimum, in the night 51° to 53°. Wind is generally W to NW in our Islands, and over the North Sea, and is light in force. In the S, and S^o of France it is strong from NW. Sea has gone down except off the S. of France, where it is high.

Barometric Indications.
The barometer still rises over our Islands, but shows a tendency to fall in the S. of France. This is likely to transfer the area of high pressure to a position rather to the NW of that it now occupies, and to cause the continuance of slight gradients for W to NW winds in our Islands.

Forecast.
Fine weather, and light winds from the W^o.

DAILY WEATHER REPORT JULY 28th 1877.

STATIONS.	YESTERDAY EVENING					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 ft. Sea Level.	Temp. in shade.	Wind.		Weather.	Barometer.		Therm.			Wind.		Weather.	Sea (0 to 3).	Therm.		Amount of Rainfall.	
			Dir.	Force (0 to 12).		Reading at 8.30 a.m. Sea Level.	Difference from 8 a.m. previous day.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.		
Haparanda ...	29.52	68	SE	2	bc	29.50	- .13	65	61	+	SSE	4	0	*	*	*	-	
Hernösand ...	29.71	57	SSE	2	f	29.67	- .04	57	56	-	S	2	f	*	*	*	0.53	
Stockholm ...	29.73	61	S	2	0	29.75	+ .02	66	59	+	Z	0	f	*	*	*	-	
Wisby ...	29.50	61	SH	4	bc	29.50	+ .02	62	59	-	H	4	0	*	*	*	-	
Christiansund ...	29.74	57	H	6	c	29.73	+ .01	57	52	-	SH	3	c	2	63	148	-	
Skudesnaes ...	29.84	55	H	4	c	29.82	- .02	58	55	-	H	4	0	3	57	55	0.28	
Oxö (Tiansand) ...	29.62	59	NNH	4	bc	29.54	+ .08	57	52	-	H	4	0	2	68	52	-	
Skagen (The Seaw) ...	29.75	55	NNH	4	bc	29.79	- .04	60	53	-	NW	5	0	5	48	54	23	
Fanö ...	29.94	55	NW	4	bc	29.99	+ .05	65	58	0	H	4	bc	2	52	54	-	
Cuxhaven ...	29.99	58	NNH	3	0	30.02	+ .03	66	61	+	NW	4	0	*	*	57	-	
Sumburgh Head ...	29.85	54	W	3	bc	29.83	+ .02	53	52	-	W	2	0	2	59	49	-	
Stornoway ...	29.92	57	W	3	f	29.90	+ .02	56	54	+	W	1	0	2	59	50	0.08	
Thurso ...	29.89	54	H	2	0	29.89	+ .00	53	53	-	NNH	2	0	2	61	50	0.15	
Wick ...	29.90	54	H	2	0	29.91	+ .01	53	52	-	W	2	0	0	60	50	0.02	
Nairn ...	29.95	55	H	2	0	29.92	+ .03	55	52	-	H	2	0	1	60	52	-	
Aberdeen ...	29.93	60	Z	0	0	29.94	+ .01	56	52	-	H	1	0	1	63	57	0.02	
Leith ...	30.00	60	NNH	4	c	29.99	+ .01	56	53	-	NNH	2	f	*	69	57	0.02	
Shields ...	30.04	61	H	3	0	30.05	+ .01	56	53	-	H	3	0	1	65	53	-	
Scarborough ...	30.05	60	NNH	2	0	30.06	+ .01	57	54	-	NNH	2	0	1	64	55	-	
York ...	30.09	60	H	4	0	30.09	+ .00	57	55	-	NNH	2	0	2	67	53	-	
Nottingham ...	30.15	61	NNH	1	bc	30.14	+ .01	57	56	-	SSH	0	0	*	71	50	0.08	
Ardrossan ...	30.05	58	NNH	3	f	30.02	0.00	56	54	0	SSH	3	f	0	60	55	0.06	
Greencastle ...	30.11	56	H	2	0	30.06	+ .05	54	54	0	S	1	0	1	60	52	0.57	
Donaghadee ...	30.12	59	H	3	0	30.03	- .09	55	55	-	SSH	2	f	1	62	54	0.14	
Kingstown ...	30.18	65	NNH	5	bc	30.07	- .11	62	60	+	H	4	bc	3	65	57	0.02	
Holyhead ...	30.15	62	SSH	2	0	30.09	- .06	56	56	-	SSH	2	0	1	64	55	0.00	
Liverpool (Bidston) ...	30.14	58	H	3	0	30.10	+ .04	57	55	-	NNH	1	0	1	61	55	0.02	
Valencia ...	30.26	60	NNH	2	0	30.20	+ .06	61	61	+	H	3	0	0	65	57	0.06	
Roche's Point ...	30.22	62	H	2	bc	30.18	- .04	64	57	+	NNH	4	0	3	61	55	-	
Pembroke ...	30.20	61	NNH	1	bc	30.20	+ .00	59	57	-	NNH	2	0	0	60	57	-	
Portishead ...	30.16	65	NNH	3	bc	30.18	+ .02	60	58	-	H	4	0	3	69	54	0.01	
Seilly ...	30.19	65	NW	2	bc	30.26	+ .07	59	57	-	NNH	1	0	*	72	52	-	
Plymouth ...	30.14	66	NNH	3	bc	30.22	+ .08	62	59	0	NNH	3	0	2	72	56	-	
Hurst Castle ...	30.11	63	NNH	2	bc	30.19	+ .08	62	57	+	H	1	0	1	66	54	-	
Dover ...	30.11	73	NNH	1	bc	30.15	+ .04	59	55	-	SSH	2	0	*	71	50	-	
London ...	30.11	73	NNH	1	bc	30.16	+ .05	59	57	-	NNH	1	0	*	72	57	-	
Oxford ...	30.10	64	N	1	0	30.17	+ .07	60	57	0	SSH	1	f	*	70	57	-	
Cambridge ...	30.07	64	NNH	1	bc	30.12	+ .05	58	56	-	NNH	2	0	2	67	53	-	
Yarmouth ...	30.07	64	NNH	1	bc	30.08	+ .01	62	58	0	W	1	0	*	66	54	-	
The Helder ...	30.10	61	NNH	4	0	30.21	+ .11	63	57	+	H	1	0	0	66	57	-	
Cape Gris Nez ...	30.25	60	NNH	2	bc	30.29	+ .04	62	59	+	NNH	1	bc	1	64	55	-	
Jersey ...	30.32	64	NNH	2	bc	30.39	+ .07	59	57	-	N	2	0	3	71	55	-	
Brest ...	30.27	63	NNH	4	bc	30.34	+ .07	59	57	-	H	3	0	3	64	57	-	
L'Orient ...	30.26	68	NNH	5	0	30.26	- .00	68	64	+	NNH	3	0	3	73	59	0.04	
Rochefort ...	30.24	72	NNH	2	0	30.32	+ .08	66	63	+	NNH	4	f	3	71	63	0.12	
Biarritz ...	30.24	72	NNH	2	0	30.32	+ .08	66	63	+	NNH	4	f	3	71	63	0.12	
Corunna ...	30.15	60	NNH	2	bc	30.15	+ .00	60	57	-	H	3	0	*	66	57	-	
Brussels ...	30.09	57	H	3	0	30.09	- .00	57	57	-	E	1	0	*	66	57	-	
Charleville ...	30.04	69	H	2	bc	30.23	0.00	57	57	-	H	3	f	*	66	57	-	
Paris ...	30.04	69	H	2	bc	30.23	0.00	57	57	-	H	3	f	*	66	57	-	
Lyons ...	30.04	69	H	2	bc	30.23	0.00	57	57	-	H	3	f	*	66	57	-	
Toulon ...	29.93	58	NNH	6	bc	29.95	- .02	68	57	-	NNH	5	bc	6	71	53	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	29.88	60	55	N	4	f	4	Valencia	30.25	63	58	WNW	2	bc	2
Thurso	29.89	58	54	WNW	2	f	3	Seilly							
Scarborough ...	30.04	64	58	WNW	2	0	1	London	30.13	68	62	WSW	2	bc	0
Greencastle ...	30.09	56	53	N	3	0	0	Rochefort ...	30.25	68	64	NW	6	0	5
Holyhead	30.15	60	57	WSW	3	0	2								

No important change since the morning.

EXPLANATION OF COLUMNS.

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

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

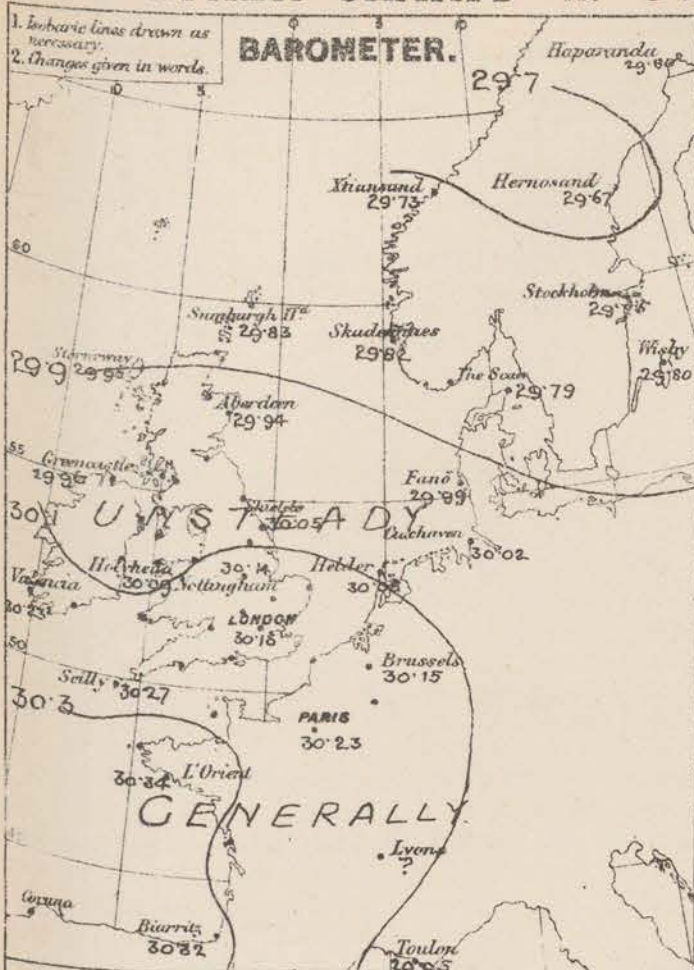
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Saturday 28th JULY 1877.

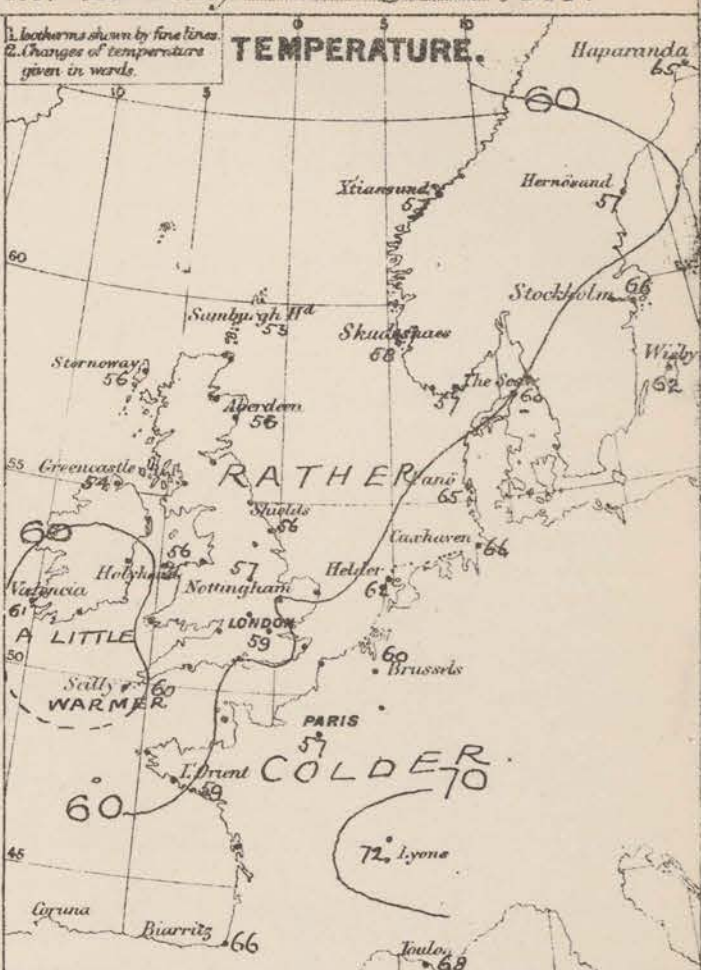
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



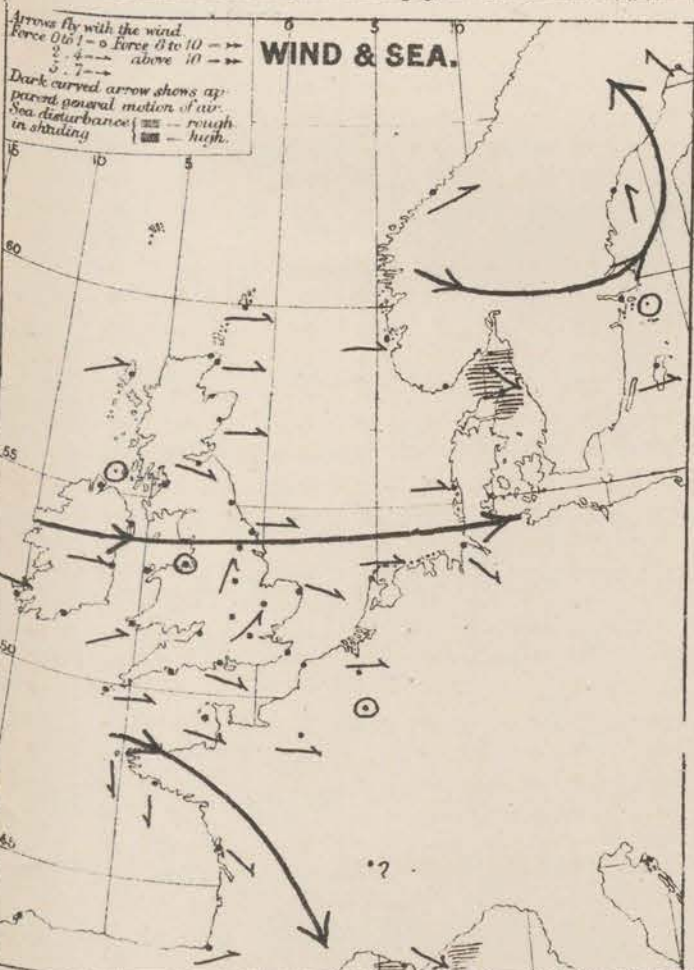
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



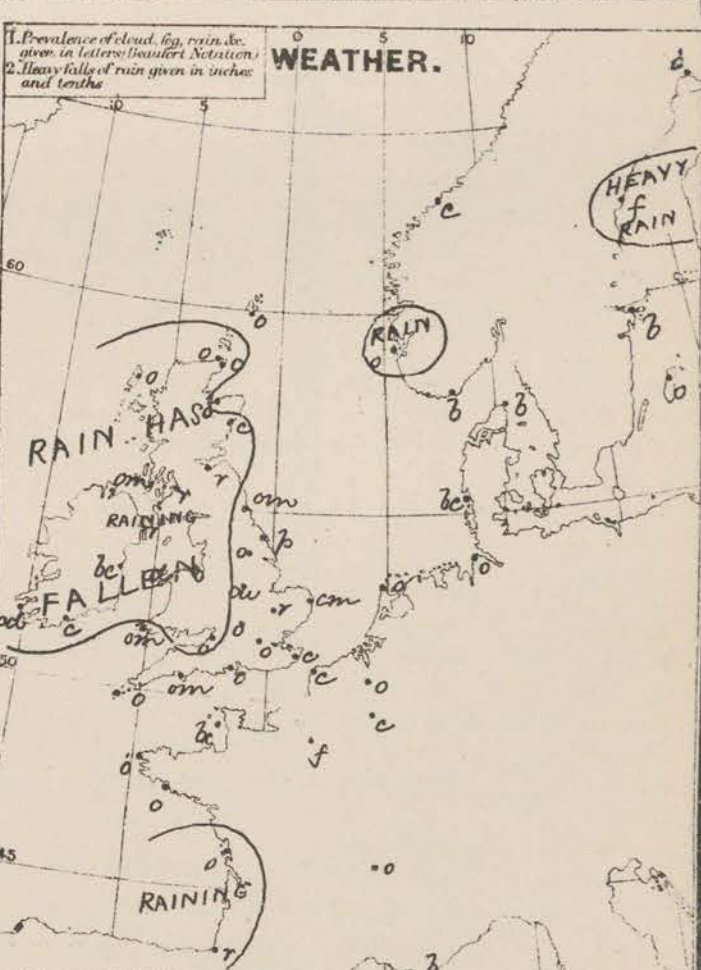
- Arrows fly with the wind.
Force 0 to 10 —
Force 11 to 20 —
Force 21 to 30 —
Force 31 to 40 —
Force 41 to 50 —
Force 51 to 60 —
Force 61 to 70 —
Force 71 to 80 —
Force 81 to 90 —
Force 91 to 100 —
Force 101 to 110 —
Force 111 to 120 —
Force 121 to 130 —
Force 131 to 140 —
Force 141 to 150 —
Force 151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

WIND & SEA.



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

WEATHER.



REMARKS. Weather has become very dull generally. Rain has set in over many parts of the Kingdom, but the amount is not large at present. Temperature is falling except on our south west coasts; it is now below 60° over all the N. E. and central parts of the Kingdom. Wind is light generally; W. in Scotland, but variable between SSW and WNW over Ireland, England and St. George's Channel. Sea is smooth generally.

Barometrie Indications
No great change has taken place in the distribution of pressure, but several slight local depressions have appeared, producing the unsettled weather and variable winds referred to above.

Forecast. Local disturbances such as those named above, when they set in, usually continue to prevail for several days together. No settled weather can therefore be anticipated at present.

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

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

R. H. SCOTT,
Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JULY 22nd to JULY 28th 1877.

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

During the first few days of this period we were under the influence of an area of low pressure travelling N^W along our N^W Coasts so that S^W winds with dull weather and some rain were general. On Wednesday and Thursday this depression moved on towards Norway, the barometer rose, the wind veered to the N^W, and the weather improved, except on the morning of the 26th when the presence of a small disturbance over Central England, caused rain over that country and Ireland. On the last two days the weather in our neighbourhood was governed by a large anticyclone which had been slowly formed over the Bay of Biscay, and moderate N^W to N^Wly breezes prevailed generally. Temperature has been rather low in the N. and N. and about the normal in the S; no very high maxima have been reported, the greatest heat over these Islands during the week being 75° at Nottingham on the 26th.

JULY 22nd Pressure was giving way in all places except Sweden, it was lowest (29.42 ins) off our N^W coasts, and highest (30.09 ins) in the S. of France. Wind was N^W over the Bay of Biscay, but drew into S. in these Islands, and into S.E. in the N. of Norway, it was fresh in force in many parts of its course. Temperature was very similar to that prevailing on Saturday, and was still low for the season in Ireland. Weather was squally and wet in the N. in N. and the sky overcast except in the N.E. of France and N.E. of Scotland. During the day the barometer continued to fall and the weather remained dull. The maxima over Central England and the E. of Scotland were only about 70° and elsewhere they were lower.

JULY 23rd A depression coming from the Atlantic lay just outside the Irish coasts, and the barometer still fell in most places (Valencia 29.25 ins). The wind which remained S^W had increased to a strong breeze in the N. Temperature had fallen somewhat in the N. and N. where it was low, but had risen slightly in the E. The weather was on the whole dull, and in many places wet. Later in the day the depression reached our N^W coasts, and a recovery commenced in the S^W where the wind had veered to S^W. The maximum temperatures were 88° at Biarritz, and about 70° or 71° over Central England.

JULY 24th The depression lay off the N. coast of Scotland, and pressure was still falling in the N. of that country though recovering elsewhere. Unimportant local disturbances were shown ^{one} over the North Sea, and another over N. France. Wind was moderate, - from N^W in the Bay of Biscay, from N. in the Channel, from S^W in these Islands, and S.E. in Norway.

Temperature had risen in N. Germany, and E. of France, but was little changed elsewhere; it was 81° at Toulon, but was uniform, at about 60° over these Islands. Weather had improved, sky being clear or nearly so at most of our stations, though cloudy with rain in the N. of France. Barometer rose during the day, the weather continuing fine. The maxima were again about 70° over Central England.

JULY 25th The area of low pressure was passing NE^{wd} from the N. of Scotland, and the mercury still rose generally, (Rochefort 30.13 in. - Hornoway 29.35 in.). The wind was N^{ly}, and light or moderate in force except in the Hebrides. Temperature was little changed except that it had fallen about 10° in the E. of France. Weather was fairly clear except in the extreme N. Rain was falling steadily at Valentia, and showers were reported in the N. of Scotland. The rainy weather from Valentia extended E^{ly} to the N. of England during the day, but the sky remained moderately clear in the E. The maximum temperatures were a degree or two lower than on the 24th.

JULY 26th A small well marked depression had advanced from the NWrd during the night to SE^m England (Yarmouth 29.71 in.), so that the barometer was still falling over the greater part of England, though rising elsewhere. Wind was N^{ly} in the SW, N^{ly} in the S. and SW^{ly} on the E^m shores of the North Sea. It blew strongly in the Channel. Thermometric changes were unimportant; temperature varying from 70° at Lyons to 56° in the Hebrides. Weather was dull and rain had occurred over the whole of England and Ireland. During the day the barometer rose generally, the wind veered to NN, and the weather showed signs of improving. The maxima were 79° at Toulon, 75° at Nottingham, and 72° or 73° over SE^m England.

JULY 27th The barometer was falling over Scandinavia (29.7 in.), but was rising in all other places and a large area of high readings, (30.30 in.) lay over the Bay of Biscay. Wind was N^{ly} to NN^{ly} and was light on most coasts. Temperatures had changed little and irregularly. The sky was still cloudy in most places, but weather was much finer than on preceding day. Barometer was still rising at 6 P.M. and the weather had become moderately fine generally. The maximum readings were again a little over 70° .

JULY 28th The distribution of pressure was scarcely changed, readings in Bay of Biscay being still 30.30 in., and 29.7 in. over Scandinavia. Wind was still light from N. (SE - NN), on our coast, and from N. in the Bay of Biscay. Temperature had fallen in most places. Weather was very dull. During the day scarcely any change occurred, and the maxima were again about 70° over Central England.

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

DAILY WEATHER REPORT JULY 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.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from yesterday.	Dry.	Wet.	Difference from yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.68	61	S	2	0	29.63	-.17	59	57	- 6	S	4	0	*	*	*	0.20	
Hernösand ...	29.65	56	SW	2	0	29.66	-.01	58	53	+ 1	N	2	6	*	*	*	0.04	
Stockholm ...	29.76	61	SSW	4	7	29.81	+.06	63	58	- 3	SW	4	6	*	*	*	-	
Wishby ...	29.84	60	SW	4	7	29.88	+.08	62	58	0	N	6	6	*	*	*	-	
Christiansund ...	29.73	55	WSW	4	6	29.67	-.06	57	50	- 6	WSW	5	7	3	59	48	?	
Skudesnaes ...	29.88	56	N	4	0	29.75	-.07	56	55	- 2	S	5	7	4	?	55	0.82	
Oxö (Åriansand) ...	29.85	54	WSW	4	6	29.89	+.05	57	53	0	SW	3	2	3	61	52	-	
Skagen (The Sæw) ...	29.86	58	NW	4	0	29.89	+.10	59	53	- 1	NW	4	2	4	64	52	-	
Fanö ...	30.03	60	WSW	4	0	30.02	+.03	64	59	- 1	N	4	6	*	64	54	-	
Cuxhaven ...	30.04	*	NW	3	0	30.09	+.07	62	61	- 4	WSW	3	2	*	61	57	0.02	
Sumburgh Head ...	29.88	53	SW	1	0	29.66	-.17	53	52	0	NE	5	7	2	59	49	0.33	
Stornoway ...	29.91	57	SW	2	7	29.91	+.01	56	55	0	WSW	4	5	4	59	52	0.28	
Thurso ...	29.92	53	N	2	0	29.83	+.06	56	55	+ 3	NW	6	0	4	62	51	0.40	
Wick ...	29.94	54	SW	1	m	29.84	-.07	57	55	+ 4	NW	6	0	2	62	52	0.40	
Nairn ...	29.90	53	SW	1	0	29.70	-.03	60	55	+ 5	N	4	6	2	63	54	0.06	
Aberdeen ...	29.93	62	Z	0	0	29.89	-.05	64	59	+ 8	NW	3	6	1	65	56	0.02	
Leith ...	29.97	60	NW	1	0	29.95	-.04	62	59	+ 8	N	5	6	*	65	53	0.01	
Shields ...	30.03	60	NNW	2	0	30.01	-.04	68	64	+ 12	N	6	6	1	68	55	0.01	
Scarborough ...	30.04	60	WSW	2	0	30.05	-.01	70	65	+ 13	N	3	0	2	70	57	-	
York ...	30.06	62	N	2	0	30.11	+.02	66	63	+ 9	N	5	0	0	67	55	0.01	
Nottingham ...	30.11	63	NW	1	7	30.19	+.05	72	67	+ 15	SSW	5	6	*	72	57	0.07	
Ardrossan ...	30.03	60	NNW	2	0	30.03	+.01	61	58	+ 5	NNW	4	2	4	64	55	0.02	
Greencastle ...	30.06	61	N	3	0	30.07	+.01	61	60	+ 7	N	2	0	*	65	53	0.05	
Donaghadee ...	30.07	62	WSW	4	0	30.07	+.04	65	62	+ 10	N	6	6	4	65	54	0.02	
Kingstown ...	30.04	?	NNW	4	2	30.23	+.16	63	60	+ 1	NNW	3	2	3	67	61	-	
Holyhead ...	30.13	65	N	3	0	30.20	+.11	64	61	+ 8	SW	4	8	3	68	56	0.21	
Liverpool (Bidston) ...	30.08	63	N	5	0	30.18	+.08	64	62	+ 7	WSW	5	6	4	66	57	0.05	
Valencia ...	30.29	62	WSW	3	0	30.32	+.09	58	58	- 3	WSW	4	2	3	65	56	0.01	
Roche's Point ...	30.26	70	NNW	3	6	30.30	+.12	61	57	- 3	NNW	3	0	2	70	58	-	
Pembroke ...	30.20	61	NNW	2	0	30.30	+.10	57	57	- 2	NNW	1	2	2	62	56	-	
Portishead ...	30.16	62	N	5	0	30.27	+.09	65	63	+ 5	SW	6	2	4	66	57	-	
Seilly ...	30.22	69	NNW	3	0	30.32	+.10	67	65	+ 8	N	1	0	*	72	58	-	
Plymouth ...	30.22	65	N	4	0	30.39	+.17	66	65	+ 4	N	1	6	1	66	59	-	
Hurst Castle ...	30.15	61	WSW	3	6	30.25	+.10	69	65	+ 7	NNW	1	2	1	70	61	-	
Dover ...	30.13	64	WSW	1	0	30.25	+.10	68	65	+ 9	N	2	2	*	68	59	0.04	
London ...	*	*	*	*	*	30.25	+.09	67	64	+ 8	N	1	6	*	70	57	0.03	
Oxford ...	30.10	65	N	1	0	30.21	+.04	69	65	+ 9	N	1	6	*	69	59	0.02	
Yarmouth ...	30.10	61	Z	0	0	30.17	+.05	68	66	+ 10	NNW	3	6	2	68	58	0.03	
The Helder ...	*	*	*	*	*	30.14	+.06	62	60	0	WSW	1	0	*	*	*	-	
Cape Gris Nez ...	30.17	61	SW	4	0	30.28	+.10	64	63	+ 1	NNW	1	0	1	64	59	-	
Jersey ...	30.29	60	N	4	f	30.37	+.08	62	62	0	NW	2	0	1	65	58	-	
Brest ...	30.41	68	NW	2	m	30.43	+.04	61	57	+ 2	N	2	m	1	?	57	-	
L'Orient ...	30.33	66	NW	4	6	30.39	+.05	63	63	+ 4	NNW	2	0	2	68	57	-	
Rochefort ...	30.27	72	NW	4	6	30.34	+.07	64	63	+ 4	ENE	2	0	3	72	57	-	
Biarritz ...	30.21	73	NW	3	0	30.34	+.12	64	63	- 2	ENE	3	0	3	86	63	0.08	
Corunna ...	*	*	*	*	*	30.24	+.07	69	*	*	NE	4	6	4	*	*	*	
Brussels ...	*	*	*	*	*	30.21	+.06	62	*	+ 2	N	3	0	*	*	*	0.02	
Charleville ...	*	*	*	*	*	30.15	+.06	58	*	+ 1	SSW	1	7	*	*	*	*	
Paris ...	30.21	70	NNW	2	0	30.30	+.07	64	*	+ 7	NW	3	0	*	*	*	-	
Lyons ...	*	*	*	*	*	30.32	+.06	71	*	- 1	NW	2	0	*	*	*	*	
Toulon ...	30.00	82	N	3	6	30.10	+.15	79	64	+ 11	Z	0	6	3	90	68	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.87	60	53	N	4	0	2	Valencia	30.28	64	68	N	4	om	4
Thurso	29.91	55	54	N	2	rf	3	Seilly							
Scarborough ...	30.03	62	57	N S N	2	0	1	London	30.16	65	62	N S N	2	om	*
Greencastle ...	29.99	63	61	S	3	0	*	Rochefort ...	30.28	70	66	N W	4	6	3
Holyhead	30.09	65	63	N	2	0	2								

The barometer is very unsteady. Though higher at Thurso and Valencia than it was at 8 a.m. it is now falling generally - most at Greencastle, and dull damp weather prevails on nearly all our 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.

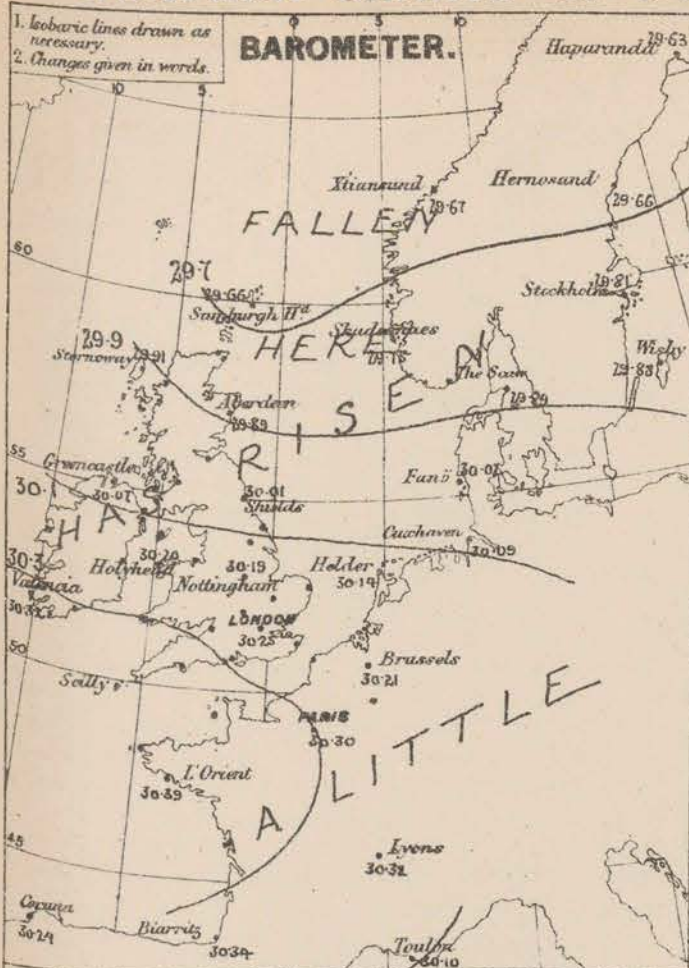
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 Sunday JULY 29th 1877.

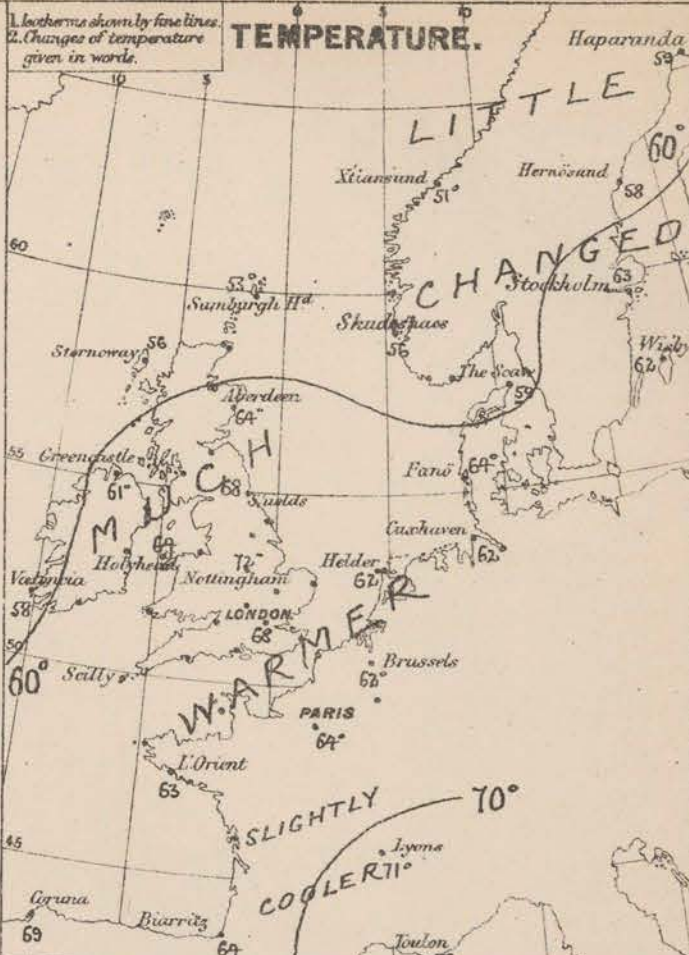
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



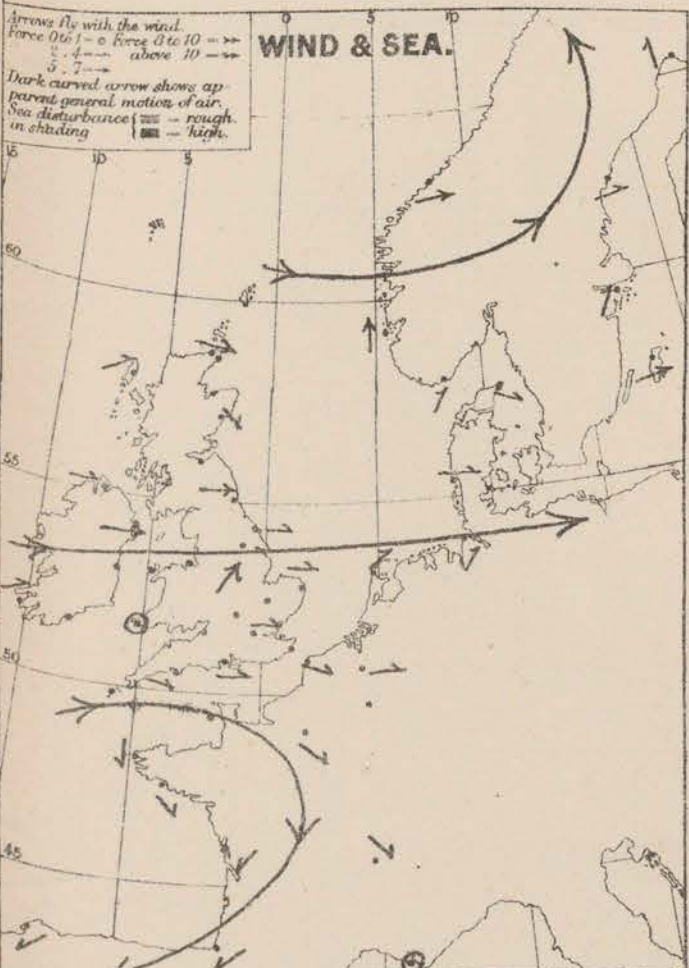
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



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

WIND & SEA.



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

WEATHER.



REMARKS. *Weather dull in the W. with showers at Helsingør, and gloomy appearance at Stavanger, but is moderately clear in the E. Rain is falling in the Shetlands, and W. of Norway. Temperature has risen except in the W. of France, the changes amounting to 10 or 12 degrees in the E. of England. Wind is W. or NW. on all our coasts, but is SW. in Norway, and E. in the SW. of France; at our N. stations it is generally fresh or strong in force. Sea is moderate to slight.*

Barometric Indications.

Pressure is decreasing slightly at our NE. and at the Norwegian stations, but is increasing elsewhere. It is highest off the NW. of France, and lowest near the Shetlands.

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

JULY 30TH 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 35° 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 35° 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 ...	29.60	57	SW	4	b	29.52	- 11	59	54	0	S	4	b	*	*	*	-	
Hernösand ...	29.60	55	Z	0	r	29.54	- 12	55	53	- 3	NW	2	c	*	*	*	0.04	
Stockholm ...	29.68	58	SW	4	c	29.47	- 24	56	53	- 7	NW	2	c	*	*	*	0.12	
Wisby ...	29.79	59	WSW	6	r	29.60	- 28	59	56	- 3	NW	9	o	*	*	*	0.16	
Christiansund ...	29.66	52	WSW	4	r	29.68	+ 01	52	50	+ 1	WSW	4	r	3	54	46	0.47	
Skudesnaes ...	29.84	55	NNW	4	o	29.86	+ 11	57	54	+ 1	NNW	6	o	4	59	54	0.32	
Oxö (Xtiansand) ...	29.73	59	WSW	4	b	29.84	- 05	57	53	0	WSW	5	c	3	61	54	-	
Skagen (The Seaw) ...	29.69	59	N	8	o	29.81	- 08	59	55	0	NNW	7	b	7	61	52	0.08	
Fanö ...	29.89	60	N	6	c	30.02	+ 00	66	60	+ 2	N	6	c	*	?	59	0.24	
Cuxhaven ...	30.07	6	NNW	5	o	30.21	+ 12	65	64	+ 3	N	5	o	*	+	61	0.16	
Sumburgh Head ...	29.99	54	NNW	4	o	29.85	+ 19	53	52	0	SW	5	o	2	57	49	0.23	
Stornoway ...	29.94	57	N	4	o	29.94	+ 03	54	53	- 2	N	1	r	2	59	52	0.18	
Thurso ...	29.90	57	NNW	3	o	29.93	+ 10	55	54	- 1	N	2	p	3	61	53	0.12	
Wick ...	29.85	57	NW	2	o	29.91	+ 07	55	55	- 2	NNW	2	m	0	60	53	-	
Nairn ...	29.96	63	N	2	b	29.98	+ 08	58	55	- 2	N	1	o	1	69	55	-	
Aberdeen ...	29.94	67	NN	3	b	30.00	+ 11	62	57	- 2	SSW	2	o	1	71	53	-	
Leith ...	30.05	61	N	5	o	30.07	+ 12	61	59	- 1	WSW	3	o	*	70	57	0.01	
Shields ...	30.10	69	N	7	b	30.14	+ 13	66	63	- 2	N	6	b	1	73	61	-	
Scarborough ...	30.11	67	N	3	c	30.15	+ 10	69	63	- 1	N	4	b	2	73	61	-	
York ...	30.18	67	WSW	1	o	30.20	+ 09	64	61	- 2	SW	4	b	3	70	60	-	
Nottingham ...	30.01	73	SW	5	b	30.26	+ 07	71	65	- 1	SW	3	b	*	63	67	-	
Ardrossan ...	30.11	61	NNW	1	c	30.12	+ 09	62	59	+ 1	SW	3	c	3	62	59	-	
Greencastle ...	30.13	61	N	3	o	30.12	+ 05	59	58	- 2	WSW	3	o	*	65	58	-	
Donaghadee ...	30.15	68	WSW	5	c	30.18	+ 11	63	60	- 2	WSW	4	c	3	72	59	-	
Kingstown ...	30.24	71	NNW	4	b	30.26	+ 03	60	57	- 3	NW	2	b	2	72	58	-	
Holyhead ...	30.24	65	SSW	3	c	30.25	+ 05	59	58	- 5	NNW	1	om	1	68	56	-	
Liverpool (Bidston) ...	30.23	66	N	4	b	30.25	+ 07	61	59	- 3	N	2	o	1	69	58	-	
Valencia ...	30.33	59	WSW	3	o	30.27	- 05	57	57	- 1	SE	4	om	4	65	53	-	
Roche's Point ...	30.31	69	N	2	b	30.30	00	57	54	- 4	N	1	f	2	72	54	-	
Pembroke ...	30.32	59	WSW	1	f	30.31	+ 01	57	58	+ 2	SW	1	of	2	61	57	0.02	
Portishead ...	30.29	65	N	5	b	30.29	+ 02	59	58	- 6	SW	3	om	3	71	56	-	
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.35	69	WSW	2	b	30.32	+ 00	60	58	+ 9	NW	1	om	*	75	57	-	
Hurst Castle ...	30.28	69	N	3	b	30.31	+ 02	61	61	- 5	N	1	m	1	69	57	-	
Dover ...	30.25	66	SW	3	b	30.30	+ 05	68	64	- 1	SW	2	b	1	71	61	-	
London ...	30.25	78	N	2	b	30.32	+ 07	60	59	- 8	WSW	1	o	*	82	57	-	
Oxford ...	...	...	...	...	...	30.29	+ 04	60	59	- 7	Z	0	f	*	80	57	-
Cambridge ...	30.20	80	N	1	b	30.28	+ 07	65	62	- 4	WSW	1	om	*	80	55	-	
Yarmouth ...	30.17	78	NNW	2	b	30.24	+ 07	68	65	0	NNW	1	b	1	79	59	-	
The Helder ...	...	...	...	...	...	30.20	+ 06	65	62	+ 3	N	2	c	*	...	...	-
Cape Gris Nez ...	30.29	57	SW	4	b	30.31	+ 03	64	64	0	SSW	1	b	0	70	61	-	
Jersey ...	? 30.40	61	N	2	f	? 30.37	00	58	58	- 4	N	1	f	1	66	56	-	
Brest ...	30.45	68	N	2	o	30.38	- 05	63	61	+ 2	ESE	2	o	2	?	59	-	
L'Orient ...	30.39	68	NNW	2	o	30.35	- 04	61	61	- 2	E	3	m	3	73	57	-	
Rochefort ...	30.34	70	N	3	c	30.28	- 06	72	66	+ 8	E	3	b	3	77	59	-	
Biarritz ...	30.26	73	NNE	4	b	30.21	- 13	68	64	+ 4	ENE	1	f	3	77	63	-	
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	30.28	+ 07	62	...	0	WSW	3	o	*	...	...	...
Charleville ...	...	...	...	...	...	30.23	+ 08	60	...	+ 2	SSE	1	o	*	...	...	...
Paris ...	30.32	75	NNW	2	c	30.34	+ 04	64	...	?	N	1	f	*	...	...	...
Lyons ...	...	...	...	...	...	30.34	+ 02	?	...	?	N	2	b	*	...	...	...
Toulon ...	30.13	79	SW	1	b	30.20	+ 10	75	63	- 4	NE	1	m	3	86	?	-	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.73	59	56	NW	4	o	4	Valencia			
Thurso								Scilly			
Scarborough ...								London			*
Greencastle ...						*		Rochefort ...	30.36	73	68
Holyhead											3

EXPLANATION OF COLUMNS.

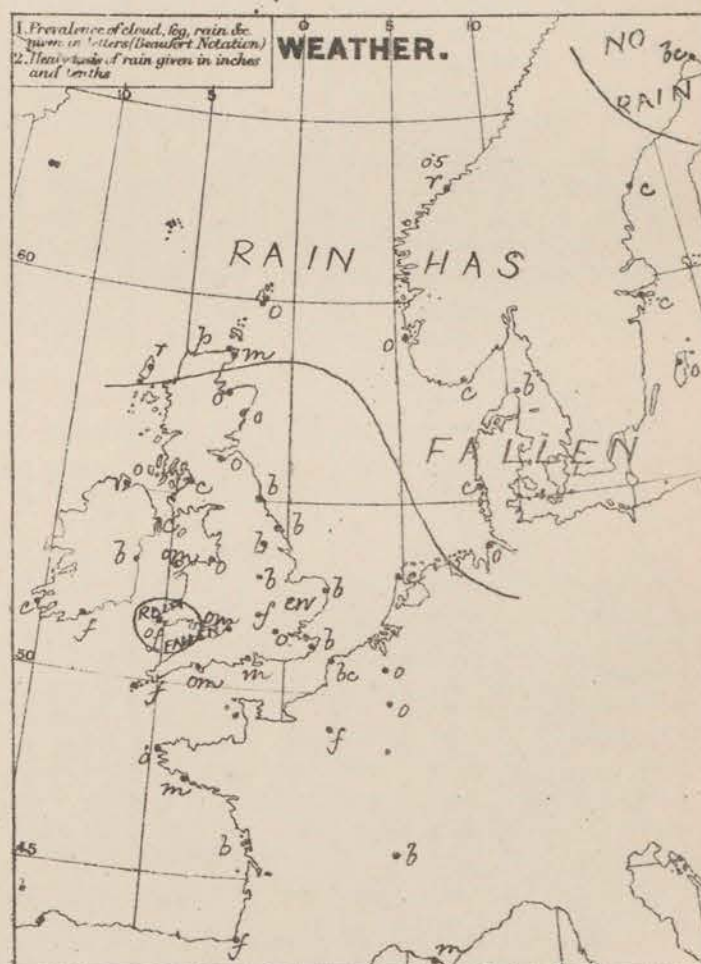
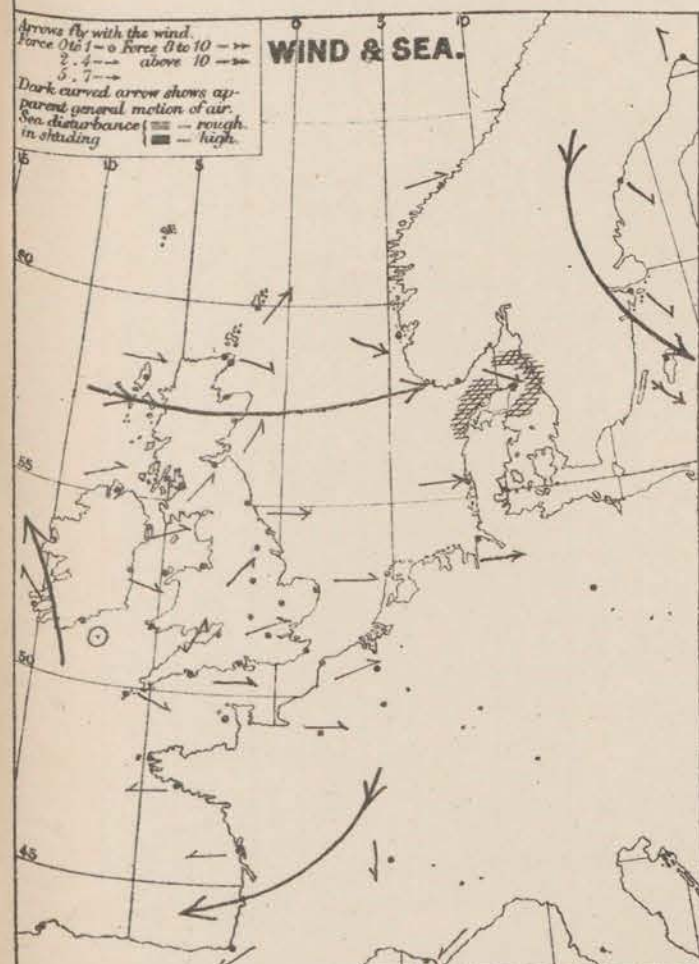
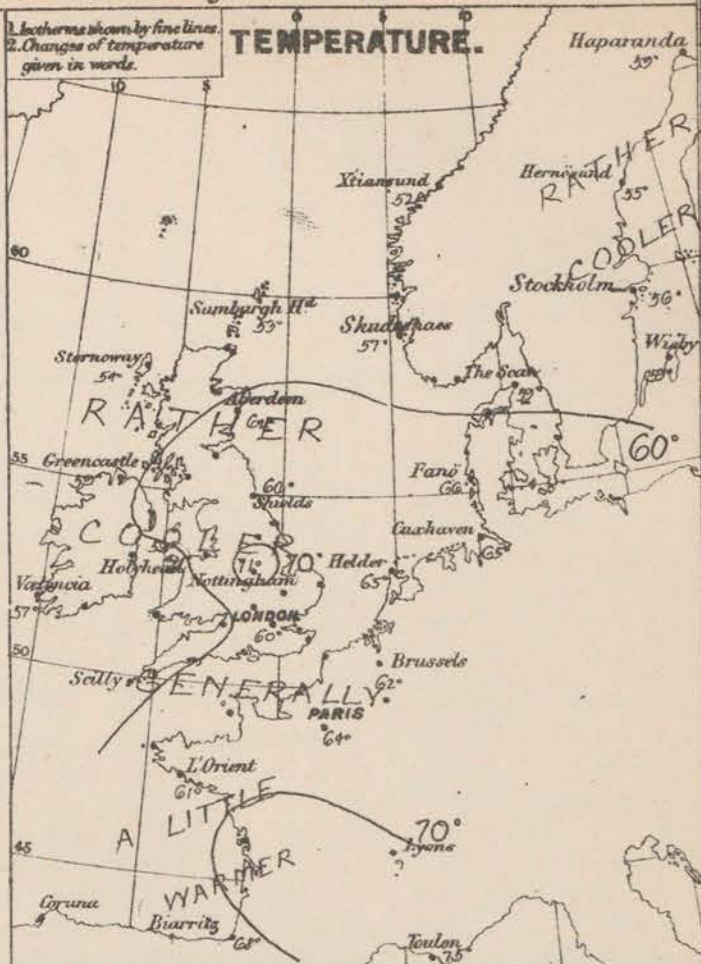
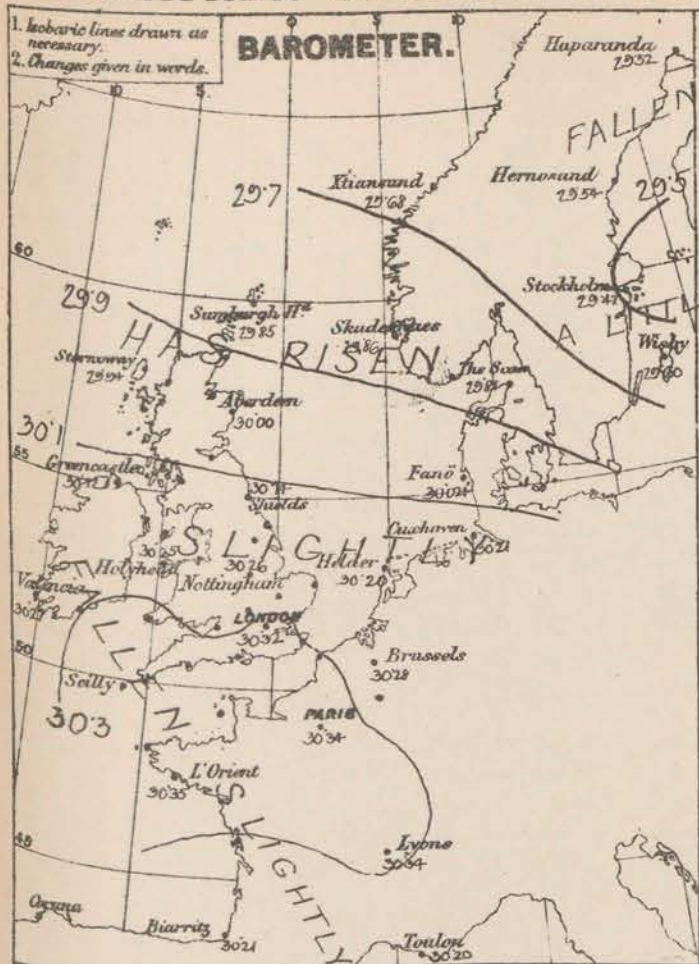
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m. on Monday 30th JULY 1877.*



REMARKS. Weather is dull in west and north, with rain at Norway, and passing showers at Shroo but at most of the English stations the sky is clear, though a good deal of fog and mist prevails. Rain has fallen in Denmark, Scandinavia and the extreme north of Scotland but weather has been very dry elsewhere. Temperature rather lower over these islands than yesterday but is still high over England (71° Nottingham). Maximum in shade in London yesterday 82° at Nottingham, 83°, at Bulow 86°. Wind light E^{ly} over Bay of Biscay and SE^{ly} at Valentia but generally W^{ly} to NW^{ly} elsewhere; in Denmark and the Baltic it blows strongly and a strong gale was experienced at the mouth of the Tyne at noon yesterday. Sea is slight to smooth.

Barometrical Indications. - Pressure is now giving way over Ireland and the Bay of Biscay but is increasing in all other parts of Western Europe the change, however, being slight generally. A large area of high readings lies over the north of France and south of England, while the centre of a depression is shown near Stockholm.

Forecast. Showery dull weather in the W. and N., but fine and hot in the E, though conditions hardly appear so settled as they did yesterday morning.

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

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

R. H. SCOTT.

Secret 11.7

DAILY WEATHER REPORT

JULY 31ST

1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 35° F. Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 35° F. and Sea Level.	SHADE TEMP.		Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12).									Dir.	Force (0 to 12).			Max.	Min.	
Haparanda ...																			
Hernösand ...																			
Stockholm ...																			
Wisby ...																			
Christiansund ...																			
Skudesnaes ...																			
Oxö (Xtiansand) ...																			
Skagen (The Seaw) ...	29.81	59	W	7	b	29.82	+ .01	60	56	+ 1	W	4	c	4		64	54	-	
Fanö ...	30.04	61	W	4	c	29.98	-.04	65	63	+ 2	W	4	a	*		?	?	-	
Cuxhaven ...	30.08	2	W	4	*	30.08	- .13	65	63	0	W	3	b	*		*	59	-	
Sumburgh Head ...	29.89	54	W	3	a	29.83	- .02	54	53	+ 1	W	3	o	2		60	50	0.01	
Stornoway ...	29.95	56	W	1	r	29.89	- .05	55	53	+ 1	W	1	b	1		57	43	0.09	
Thurso ...	29.94	54	W	2	o	29.88	- .05	56	53	+ 1	W	2	b	3		56	49	0.27	
Wick ...	29.99	54	W	1	r	29.89	- .02	56	52	+ 1	W	1	b	0		58	49	0.44	
Nairn ...	29.95	56	W	1	r	29.92	- .06	53	51	- 5	Z	0	o	0		65	53	0.52	
Aberdeen ...	29.94	68	W	1	c	29.89	- .11	55	53	- 7	NNE	2	o	1		72	54	-	
Leith ...	30.04	65	W	4	c	29.89	- .18	63	60	+ 2	W	3	c	*		72	59	-	
Shields ...	30.12	70	W	3	b	29.95	- .19	65	61	- 1	W	2	om	0		73	61	-	
Scarborough ...	30.15	69	W	2	b	29.97	- .18	63	60	- 6	W	1	o	1		73	59	-	
York ...	30.17	70	W	3	b	30.02	- .18	63	60	- 1	W	3	c	-		73	55	-	
Nottingham ...	30.18	70	W	2	b	30.05	- .21	66	62	- 5	NW	3	om	*		84	59	-	
Ardrossan ...	30.09	63	W	3	o	29.93	- .19	58	57	- 4	SW	2	om	3		65	58	-	
Greencastle ...	30.06	66	W	2	o	29.90	- .22	58	58	- 1	NW	1	o	*		70	57	0.04	
Donaghadee ...	30.11	65	SW	3	b	29.96	- .22	64	59	+ 1	SW	3	o	2		73	59	-	
Kingstown ...	30.15	68	S	4	c	30.03	- .23	63	61	+ 3	ESE	1	a	1		69	59	-	
Holyhead ...	30.19	60	SW	3	f	30.03	- .22	58	58	- 1	SW	1	f	0		67	56	0.03	
Liverpool (Bidston) ...	30.19	68	W	1	b	30.04	- .23	61	58	0	W	1	o	1		70	58	-	
Valencia ...	30.17	61	S	4	o	30.05	- .22	68	60	+ 3	SW	1	om	2		64	56	-	
Roche's Point ...	30.21	64	SW	2	f	30.06	- .24	68	59	+ 6	SW	2	c	2		70	57	-	
Pembroke ...	30.24	60	SW	1	f	30.07	- .24	60	59	+ 1	S	1	o	1		65	58	0.02	
Portishead ...	30.21	70	W	3	b	30.08	- .21	61	60	+ 2	SW	3	o	2		73	56	-	
Scilly ...																			
Plymouth ...	30.25	62	S	1	o	30.08	- .24	63	61	+ 3	NE	1	b	*		66	55	-	
Hurst Castle ...	30.24	65	W	1	f	30.10	- .21	65	64	+ 4	NE	1	b	1		66	54	-	
Dover ...	30.19	62	W	3	o	30.02	- .18	67	63	- 1	SW	2	b	1		71	58	-	
London ...	30.22	79	W	2	b	30.10	- .22	67	63	+ 7	W	2	b	*		83	55	-	
Oxford ...	*	*	*	*	*	30.08	- .21	62	60	+ 2	Z	0	m	*		79	56	-	
Cambridge ...	30.20	78	W	1	b	30.05	- .23	67	63	+ 2	SW	1	b	*		79	56	-	
Yarmouth ...	30.18	69	S	1	b	30.05	- .19	71	65	+ 3	W	2	b	1		75	62	-	
The Helder ...	*	*	*	*	*	30.06	- .14	67	65	+ 2	SW	2	b	*		*	*	-	
Cape Gris Nez ...	30.27	61	SW	3	f	30.12	- .19	68	64	+ 4	SW	2	b	1		68	59	-	
Jersey ...	30.29	69	Z	0	b	30.15	- .22	70	66	+ 12	SE	1	bm	1		71	59	-	
Brest ...	30.28	73	?	2	b	30.13	- .25	70	66	+ 7	SE	2	b	2		73	63	-	
L'Orient ...	30.22	79	SW	1	b	30.08	- .27	72	66	+ 11	ESE	3	b	1		82	59	-	
Rocheport ...	30.15	79	E	3	b	30.07	- .21	75	70	+ 3	E	2	b	3		91	61	-	
Biarritz ...	30.08	81	E	4	b	30.04	- .17	87	73	+ 13	Z	0	b	2		90	60	-	
Corunna ...	*	*	*	*	*	30.10	+ .03	64	*	- 11	NW	3	f	1		*	*	*	
Brussels ...	*	*	*	*	*	30.12	- .16	67	*	+ 5	SW	3	b	*		*	*	*	
Charleville ...	*	*	*	*	*	30.14	- .09	61	*	+ 1	ESE	1	f	*		*	*	*	
Paris ...	30.25	79	N	1	bm	30.16	- .18	77	*	+ 13	E	1	b	*		*	*	*	
Lyons ...	*	*	*	*	*	?	?	72	*	?	SE	2	b	*		*	*	*	
Toulon ...	30.19	79	W	3	b	30.18	- .02	79	61	+ 4	E	2	b	2		86	57	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.92	57	55	W	6	o	4	Valencia	30.21	63	61	SSE	5	c	5
Thurso	29.95	55	54	W	2	r	3	Scilly							
Scarborough ...	30.15	72	64	W	3	b	2	London	30.27	76	69	SW	2	b	#
Greencastle ...	30.13	64	62	W	2	o	#	Rocheport ...	30.22	91	75	E	3	b	3
Holyhead	30.25	65	63	SW	3	b	2								

Weather is very fine over England and France, but dull in W and N with rain at Thurst. Temperature as high as 91° at Rocheport as present. Wind fresh SSE^{ly} Valencia, and barometer falling rather briskly there.

EXPLANATION OF COLUMNS.

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

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

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

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

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR JULY 1877

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 330 ft. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sun. (0 to 2).	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force, (0 to 12).		Reading at 330 ft. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.		
1st	Scilly	30.21	60	N N E	3	0	30.14	-1.2	58	56	-2	N N W	3	0	4	63	56	0.01	
2nd	Scilly	30.13	60	N N W	4	0	30.09	-1.05	60	58	-2	N N W	3	0	4	61	54	0.01	
3rd	Corunna	*	*	*	*	*	30.17	-0.4	63	*	+2	N N W	3	0	4	61	54	*	
4th	Scilly 2pm	30.13	60	N N W	4	0	30.12	-0.3	64	58	+1	N N W	4	0	4	64	58	*	
5th	Scilly	30.12	61	N N W	3	0	30.24	+1.0	59	55	-4	N N W	4	0	4	64	58	*	
6th	Corunna	*	*	*	*	*	30.21	-0.4	61	*	-1	N N W	3	0	4	64	58	*	
7th	Scilly 2pm	30.09	62	N N W	4	0	30.06	-0.6	60	55	-5	N N W	4	0	4	65	55	0.07	
8th	Scilly	*	*	*	*	*	30.08	-1.3	60	*	-1	N N W	4	0	4	65	55	*	
9th	Scilly 2pm	30.06	59	N N W	3	0	29.99	-0.7	62	56	-6	N N W	3	0	4	63	53	0.20	
10th	Scilly	30.10	64	N N W	4	0	30.12	+0.2	63	59	+4	N N W	2	0	4	63	53	*	
11th	Corunna	*	*	*	*	*	30.10	-0.4	67	*	-2	N N W	3	0	4	63	54	*	
12th	Scilly 2pm	29.95	58	N N W	5	0	30.06	+0.1	59	55	-4	N N W	5	0	4	63	54	0.06	
13th	Scilly	30.14	59	N N W	5	0	30.26	+2.6	59	55	-4	N N W	4	0	4	59	56	*	
14th	Scilly 2pm	30.32	58	N N W	5	0	30.35	+0.9	60	54	-6	N N W	4	0	4	60	56	*	
15th	Scilly	30.39	60	N N W	4	0	30.40	+0.1	60	56	+6	N N W	4	0	4	62	58	*	
16th	Corunna	*	*	*	*	*	30.40	-0.1	68	*	+2	N N W	3	0	4	62	58	*	
17th	Scilly 2pm	30.38	61	N N W	4	0	30.40	-0.1	60	59	-1	N N W	4	0	4	66	57	*	
18th	Scilly	*	*	*	*	*	30.14	-1.0	60	60	+0	N N W	4	0	4	66	57	*	
19th	Scilly 2pm	29.91	53	S	2	0	29.91	+0.4	59	50	-9	N N W	4	0	4	66	57	*	
20th	Haparanda	29.89	52	S	4	0	29.79	-1.0	55	53	-2	N N W	2	0	4	66	57	*	
21st	Hernösand	29.92	51	S	4	0	29.88	-0.4	63	54	-9	N N W	6	0	4	66	57	0.04	
22nd	Stockholm	29.97	55	S W	4	0	29.91	-0.6	65	54	-11	N N W	6	0	4	66	57	0.04	
23rd	Misty	29.62	56	S E	2	0	29.51	-1.1	54	53	-1	N N W	1	0	4	57	54	1.38	
24th	Christiansund	29.73	55	S E	6	0	29.74	+0.1	54	54	0	N N W	4	0	4	57	54	*	
25th	Skudsmo	29.88	58	S	4	0	29.79	-0.9	58	56	-2	N N W	4	0	4	59	56	0.05	
26th	Oxö	30.24	63	N S W	4	0	30.18	-0.6	63	56	-7	N N W	4	0	4	60	57	*	
27th	Scilly 2pm	29.85	59	S	4	0	29.72	-1.9	61	56	-5	N N W	4	0	4	61	57	*	
28th	Haparanda	29.63	58	S	2	0	29.62	-0.1	61	58	-3	N N W	2	0	4	61	57	*	
29th	Hernösand	29.76	62	S	4	0	29.74	-0.2	62	56	-6	N N W	4	0	4	61	57	*	
30th	Stockholm	29.86	60	S W	6	0	29.80	-0.6	59	55	-4	N N W	4	0	4	61	57	*	
31st	Misty	30.16	60	N N W	4	0	30.08	-0.7	61	55	-6	N N W	4	0	4	61	57	*	
1st	Scilly	*	*	*	*	*	30.00	-0.1	64	63	-1	N N W	4	0	4	61	57	*	
2nd	Scilly 2pm	29.96	64	N N W	2	0	29.92	-0.9	64	63	-1	N N W	4	0	4	61	57	*	
3rd	Scilly	29.96	64	N N W	2	0	29.82	-1.2	62	59	-3	N N W	4	0	4	61	57	*	
4th	Corunna	*	*	*	*	*	30.10	-0.1	68	*	+8	N N W	4	0	4	61	57	*	
5th	Scilly 2pm	29.83	?	N W	1	0	29.71	-1.1	65	64	-1	N N W	4	0	4	61	57	0.22	
6th	Scilly	29.75	61	S W	5	0	29.55	-2.7	60	60	0	N N W	4	0	4	61	57	0.12	
7th	Scilly 2pm	29.38	58	N N W	5	0	29.42	-1.3	59	57	-2	N N W	5	0	4	61	57	0.43	
8th	Scilly	29.47	?	S W	1	0	29.56	+0.8	66	66	0	N N W	1	0	4	61	57	0.72	
9th	Cushaven	29.53	54	N E	5	0	29.47	-0.4	62	54	-8	N N W	2	0	4	61	57	0.14	
10th	Burnburgh Head	29.42	59	N N W	6	0	29.38	-0.4	58	57	-1	N N W	7	0	4	62	57	0.15	
11th	Scilly 2pm	29.85	70	Z	0	0	29.82	-0.7	61	59	-2	N N W	6	0	4	61	57	*	
12th	Haparanda	29.83	62	Z	0	0	29.70	-1.3	66	64	-2	N N W	4	0	4	61	57	*	
13th	Hernösand	29.69	63	N N E	4	0	29.60	-0.9	67	64	-3	N N W	4	0	4	61	57	*	
14th	Stockholm	29.63	67	N N E	4	0	29.58	-0.5	67	64	-3	N N W	4	0	4	61	57	*	
15th	Misty	29.51	57	S W	4	0	29.60	+0.9	67	64	-3	N N W	4	0	4	61	57	0.02	
16th	Cushaven	29.53	59	N N W	7	0	29.71	+2.9	59	56	-3	N N W	6	0	4	61	57	0.06	
17th	Scilly	*	*	*	*	*	30.14	+2.7	63	56	-7	N N W	3	0	4	61	57	*	
18th	Corunna	29.90	59	N N W	7	0	30.00	+1.2	57	56	-1	N N W	4	0	4	61	57	0.02	
19th	Scilly	30.04	64	N N W	4	0	30.14	+1.2	57	55	-2	N N W	3	0	4	61	57	*	
20th	Brest	*	*	*	*	*	30.24	+1.0	64	*	+6	N N W	3	0	4	61	57	*	
21st	Scilly 2pm	29.95	60	N	6	0	29.96	-0.1	60	60	0	N	5	0	4	61	57	0.19	
22nd	Scilly	*	*	*	*	*	30.23	-0.4	65	60	-5	N	6	0	4	61	57	*	
23rd	Corunna	29.95	61	N	6	0	30.06	+1.1	60	54	-6	N N W	5	0	4	63	56	0.04	
24th	Scilly	*	*	*	*	*	30.17	-0.6	65	*	-5	N N W	1	0	4	63	56	*	
25th	Corunna	30.11	61	N S W	4	0	30.10	-0.2	63	57	-6	N	5	0	4	63	56	*	
26th	Scilly 2pm	29.94	60	S S W	6	0	30.00	+0.6	62	60	-2	S S W	6	0	4	63	56	*	
27th	Scilly	29.94	60	S S W	6	0	29.75	-1.9	62	61	-1	S S W	5	0	4	65	59	0.02	
28th	Haparanda	29.91	57	S W	2	0	29.89	-0.2	59	53	-6	S W	2	0	4	65	59	*	
29th	Hernösand	29.88	54	Z	0	0	29.88	+0.4	57	53	-4	S	2	0	4	65	59	*	
30th	Stockholm	29.87	59	S	2	0	29.89	+0.9	66	60	-6	S	2	0	4	65	59	*	
31st	Misty	29.88	60	N N W	2	0	29.88	+1.0	62	58	-4	S	2	0	4	65	59	*	
1st	Christiansund	29.69	59	E N E	2	0	29.67	-0.6	64	60	-4	S E	2	0	4	68	59	*	
2nd	Skudsmo	29.73	58	S E	6	0	29.67	-0.4	62	60	-2	S E	4	0	4	68	59	0.04	
3rd	Oxö	29.82	59	S	4	0	29.75	-0.3	60	59	-1	S	4	0	4	68	59	*	
4th	Scilly	29.67	61	S S W	4	0	29.43	-2.3	59	59	0	S S W	4	0	4	65	58	0.87	
5th	Brest	29.91	66	S S W	4	0	29.69	-2.3	61	59	-2	S S W	4	0	4	65	58	*	
6th	Scilly 2pm	29.46	60	S W	5	0	29.58	+1.5	62	58	-4	S W	5	0	4	65	57	0.10	
7th	Scilly	*	*	*	*	*	29.87	+0.5	62	*	-6	S W	3	0	4	65	57	*	
8th	Corunna	29.91	58	S	4	0	29.68	-2.3	65	60	-5	N S W	5	0	4	65	57	*	
9th	Haparanda	29.84	59	S	2	0	29.91	+0.4	62	59	-3	S S W	4	0	4	65	57	*	
10th	Hernösand	29.83	62	S E	4	0	29.85	+0.1	61	58	-3	S S E	2	0	4	65	57	*	
11th	Stockholm	29.81	66	E S E	6	0	29.81	-0.7	65	65	0	S S E	2	0	4	65	57	*	
12th	Misty	29.81	66	E S E	6	0	29.79	-0.9	65	65	0	S S E	4	0	4	65	57	*	
13th	Christiansund	29.44	74	S S E	6	0	29.61	+0.1	59	56	-3	N E</							

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. (10 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.		
26th	Brest	29.87	68	W	3	6	30.04	+ .33	61	59	+ 2	W	3	0	0	0	0	5	-
01	Corunna	*	*	*	*	*	30.11	+ .24	65	*	+ 3	SW	3	0	0	0	*	*	-
26th	Silly 2pm	-	-	-	-	-	29.98	-	63	61	-	SW	9	0	0	0	-	-	-
26th	Haparanda	29.93	64	S	2	0	29.96	+ .05	62	61	-	S	4	0	0	*	*	-	
26th	Hernsund	29.88	58	SE	2	0	29.86	+ .01	60	59	-	SE	2	0	0	*	*	-	
26th	Stockholm	29.82	66	SE	4	0	29.88	+ .04	64	64	-	SE	2	0	0	*	*	-	
26th	Wisk	29.84	71	SW	4	0	29.82	+ .03	63	66	+ 1	SE	4	0	0	*	*	-	
26th	Silly	29.94	60	S	5	0	30.03	+ .09	61	59	+ 1	W	0	0	0	65	59	0.28	
07	Corunna	*	*	*	*	*	30.40	+ .29	66	*	+ 1	Z	0	0	0	*	*	-	
27th	Silly 2pm	-	-	-	-	-	30.18	-	62	59	-	W	4	0	0	63	59	0.02	
27th	Silly 2pm	30.18	62	W	5	0	30.21	+ .18	60	60	-	W	4	0	0	63	59	0.02	
27th	Silly 2pm	30.24	62	W	3	0	30.23	+ .01	63	63	-	W	4	0	0	65	58	0.02	
27th	Corunna	*	*	*	*	*	30.41	+ .01	68	*	-	W	4	0	0	*	*	-	
27th	Silly 2pm	30.30	62	W	6	0	30.30	-	64	62	-	W	5	0	0	64	59	-	
27th	Silly	30.38	61	W	3	0	30.37	- .01	61	61	+ 2	W	4	0	0	65	59	0.03	
27th	Corunna	*	*	*	*	*	30.07	- .17	75	*	+ 6	Z	0	0	0	*	*	-	
27th	Silly 2pm	29.44	55	S	2	0	29.32	- .12	62	61	-	S	3	0	0	*	*	-	
27th	Haparanda	29.54	56	W	2	0	29.56	+ .02	58	50	-	W	4	0	0	*	*	-	
27th	Hernsund	29.62	56	W	4	0	29.66	+ .19	58	52	+ 2	W	4	0	0	*	*	-	
27th	Stockholm	29.72	60	W	4	0	29.74	+ .14	59	55	-	W	4	0	0	*	*	-	
27th	Wisk	29.77	53	W	4	0	29.73	+ .05	51	48	-	W	5	0	0	57	46	2.10	
27th	Christiansund	29.90	56	W	4	0	29.83	- .03	57	54	-	W	2	0	0	57	55	0.12	
27th	Skudenes	29.85	58	W	6	0	29.83	- .01	57	56	0	W	4	0	0	61	54	-	
27th	Silly	30.25	60	SE	4	0	30.28	+ .03	50	59	0	W	3	0	0	63	56	0.01	
27th	Silly 2pm	-	-	-	-	-	30.01	-	63	61	-	W	3	0	0	-	-	-	
CORRECTIONS																			
27th	Haparanda	-	-	Z	0	-	29.86	-	57	48	-	Z	0	2	2	-	-	0.20	
27th	Hernsund	-	-	SW	2	-	29.80	-	54	51	-	W	2	2	2	-	-	-	
27th	Stockholm	-	-	SW	5	-	29.83	-	59	56	-	SE	2	2	2	-	-	-	
27th	Wisk	-	-	SW	6	-	29.89	-	54	52	-	SE	2	2	2	-	-	-	
27th	Christiansund	-	-	SW	2	-	29.64	-	53	51	-	SE	2	2	2	-	-	0.24	
27th	Skudenes	-	-	SE	4	-	29.79	-	56	52	-	SE	6	2	2	-	-	-	
27th	Silly 2pm	29.95	-	-	-	-	-	-	-	-	-	W	4	2	2	-	-	-	
27th	Liverpool	29.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
27th	Penrhy	29.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Wick	29.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
27th	Androssau	29.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
27th	Nottingham	29.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
27th	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
27th	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
27th	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Thurso	-	-	-	-	-	-	-	-	-	-	W	4	-	-	-	-	-	
27th	Liverpool	30.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	
27th	Androssau	-	-	-	-	-	29.85	- .19	-	-	-	-	-	-	-	-	-	0.11	
27th	Androssau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
27th	Thurso	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
27th	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	
27th	Sunderland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	
27th	Holyhead	29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	
27th	Flymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	
27th	Thurso	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	
27th	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	
27th	Kingsdown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	
27th	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	
27th	Wingston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	
27th	Sunderland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	
27th	Stornoway	29.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
27th	Wick	29.65	60	-	-	0.0	29.65	-	-	-	-	-	-	-	-	-	-	0.23	
27th	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
27th	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
27th	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Greenwich 2pm	-	-	-	-	-	29.79	-	-	-	-	-	-	-	-	-	-	-	
27th	Kingsdown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Androssau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Liverpool	-	62	S	-	-	-	-	-	-	-	SE	-	-	-	-	-	-	
27th	Oxford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Scarborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Androssau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Dover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Dover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Hurst Castle	-	-	-	-	-	30.07	-	-	-	-	-	-	-	-	-	-	-	
27th	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Liverpool	-	-	-	-	-	30.10	-	-	-	-	-	-	-	-	-	-	-	
27th	Rocky Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Toulon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Nottingham	30.18	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27th	Thurso	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	