

13804

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY 31ST DECEMBER.

1874.

Tues. day 8 a.m.

WEATHER REPORT.

December 1st 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
Haparanda ...	29.18	+ .03	8	7	-14	*	*	N	4	4	NE	*	5	*	*
Hernösand ...	29.06	- .24	15	15	-6	*	*	N	4	4	NE	*	5	*	*
Stockholm ...	28.82	- .49	34	?	+3	*	*	NE	1	2	SSE	*	50	*	*
Wisby ...	28.95	- .05	41	41	+8	*	*	N	4	2	SE	*	re	*	*
Christiansund ...	29.24	- .05	28	23	+3	*	*	ESE	6	0	2	*	56	*	3
Skudesnaes ...	28.99	- .01	31	27	-6	*	*	N	6	4	NNE	*	56	*	2
Oxö (X'tiansand)	28.93	+ .03	32	32	-4	*	*	NNE	4	6	NNE	*	50	*	3
Skagen (The Skaw)	28.84	- .21	38	37	+3	*	*	?	2	2	SSW	*	0	0.12	*
Fanö ...	28.98	- .00	40	39	-2	*	*	N	4	4	WSW	*	re	0.08	*
Cuxhaven ...	29.085	- .05	42	42	+2	?	38	WSW	3	7	SSW	7	ro	0.19	*
Sumburgh Head															
Stornoway (Hebrides)	29.645	+ .56	32	31	-9	42	31	NNE	6	6	NN	7	bq2	0.12	7
Thurso ...	29.495	+ .39	32	32	-8	43	31	NNE	7	7	NNE	7	qps	0.14	5
Wick ...	29.485	+ .43	32	30	-8	41	31	N	5	7	NE	6	cpl	0.06	4
Nairn ...	29.535	+ .56	34	32	-4	42	34	NE	3	7	ESE	2	56	0.08	7
Aberdeen ...	29.385	+ .44	34	32	-6	41	34	N	6	9	NE	3	aps	0.12	7
Leith ...	29.465	+ .58	37	36	-5	43	36	NNE	3	7	NE	6	opw	0.10	*
Shields ...	29.325	+ .49	39	37	0	44	37	NE	7	7	NE	6	ro	0.46	7
York ...	?	?	32	31	-5	45	?	N	1	2	NN	10	0	0.06	*
Scarborough ...	29.235	+ .37	41	39	43	43	38	NE	5	2	WSW	7	bc	0.17	5
Nottingham ...	29.295	+ .36	38	37	+4	40	27	NNN	2	4	N	8	fsm	0.01	*
Ardrossan ...	29.495	+ .65	36	32	-2	41	36	N	2	6	NE	3	56	0.03	1
Greencastle ...	29.575	+ .68	40	38	0	41	38	N	4	4	N	8	ro	0.32	*
Donaghadee ...	29.455	+ .63	42	38	+3	43	38	NNN	7	8	ENE	7	oc	0.25	5
Kingstown ...	29.465	+ .57	45	41	+6	46	36	NE	5	3	NNN	9	mo	0.12	4
Holyhead ...	29.395	+ .54	44	40	+3	45	38	NNE	5	2	NNN	6	do	0.04	4
Liverpool (Bidston Obs.)	29.385	+ .50	39	37	0	46	38	N	2	4	N	7	bc	-	2
Valencia ...	29.535	+ .64	42	40	+3	50	37	NE	3	3	NE	6	0	-	3
Roche's Point ...	29.435	+ .54	40	38	0	47	36	NNE	4	4	NNE	6	bc	-	4
Pembroke ...	29.365	+ .46	39	38	-5	44	38	NE	2	2	NE	4	om	0.03	3
Portishead ...	29.315	+ .42	40	39	+1	50	36	N	3	4	NE	7	gm	-	2
Scilly ...	29.325	+ .38	46	44	0	48	43	NNE	2	4	N	6	56	0.01	5
Plymouth ...	29.325	+ .40	37	37	-5	49	36	2	0	1	NN	0	cf	-	*
Hurst Castle ...	29.305	+ .37	41	40	-2	47	38	N	1	4	NE	10	rm	0.61	2
Dover ...	29.195	+ .27	40	39	-10	50	39	NNN	4	4	WSW	8	qpr	1.25	4
London ...	29.275	+ .66	41	39	-3	46	38	NN	1	0	2	10	fro	0.71	*
Oxford ...	29.30	+ .37	39	38	+2	44	37	NN	1	1	NN	10	q	0.01	*
Cambridge ...	29.265	+ .33	38	37	-2	45	34	NN	1	1	SW	10	5	0.02	*
Yarmouth ...	29.185	+ .24	41	41	-1	44	38	NNN	2	2	NNN	8	ro	0.12	3
Helder ...	29.11	+ .05	42	*	-4	*	*	WSW	1	*	*	*	*	*	1
Cape Gris Nez ...	29.175	+ .21	42	42	-5	51	42	N	7	2	S	10	r	1.34	5
Brest ...															
L'Orient ...	29.325	+ .29	41	41	-10	55	41	S	1	7	N	5	ro	0.12	5
Rochefort ...	29.385	+ .04	50	46	-5	57	46	NNN	2	12	SSW	6	c	0.67	4
Biarritz ...	29.455	- .02	54	49	0	58	52	S	3	8	S	9	5	0.12	5
Corunna ...															
Brussels ...	29.17	+ .02	47	*	+1	*	*	SSW	3	*	*	*	5	*	*
Charleville ...	? 29.28	- .04	45	*	-1	*	*	S	3	*	*	*	r	*	*
Paris ...	29.315	+ .09	44	*	-3	51	44	SW	4	9	SSW	10	ro	0.12	*
Lyons ...	?	?	55	*	+6	*	*	SE	6	*	*	*	c	*	*
Toulon ...															

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

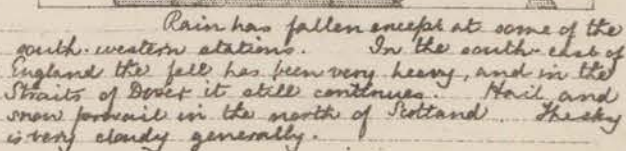
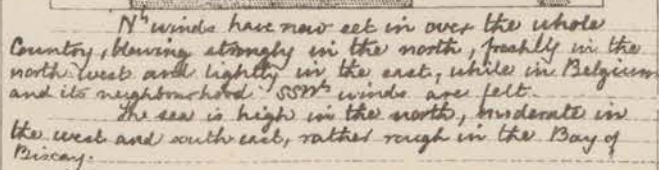
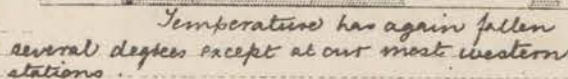
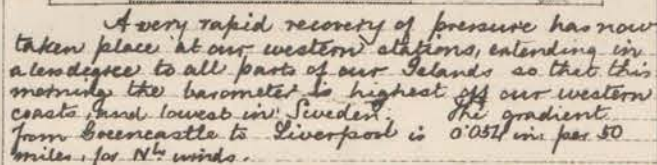
	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	28.95	36	33	NNE	4	*	0	3	Valencia ...	28.95	43	42	ESE	2	2	6
Thurso ...	29.16	42	40	NE	5	7	6	4	Scilly ...	28.96	48	45	N	3	7	0
Scarborough...	28.91	42	40	N	2	2	6	4	London ...	29.00	45	44	2	0	10	of
Greencastle ...	29.03	41	40	E	4	10	r	*	Rochefort...	29.26	57	52	?	?	10	r
Holyhead ...	28.95	44	42	NNN	2	4	cq	1								

Pressure is recovering at all stations most at Greenastle, the winds are very variable and light except at our N. stations.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposition direction.

TUESDAY 1ST DECEMBER 1874 AT 8 A.M.



Meteorological Office
116, Victoria Str. Westminister. S.W.
ROBERT H. SCOTT, Director.

Wednesday 8 a.m.

WEATHER REPORT.

December 2nd 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
Haparanda ...	29.61	+ .43	-16	-16	-24	*	*	N	2	2	N	*	b	*	*
Hernösand ...	29.28	+ .22	-3	-3	-18	*	*	2	0	6	N	*	ob	*	*
Stockholm ...	29.19	+ .37	16	15	-18	*	*	NNN	6	4	N	*	so	*	*
Wisby ...						*	*					*		*	*
Christiansund ...	29.32	+ .08	28	27	0	*	*	NNN	4	2	SE	*	ss	*	6
Skudesnaes ...	29.56	+ .57	30	29	-1	*	*	NNE	2	?	?	*	s	*	2
Oxö (X'tiansand) ...	?	?	19	16	-13	*	*	NNN	2	4	NNE	*	ob	*	2
Skagen (The Skaw) ...	29.55	+ .71	27	26	-11	*	*	NNE	6	4	N	*	sb	0.04	*
Fanö ...	29.63	+ .65	27	24	-3	*	*	NNN	2	4	NN	*	sb	0.04	*
Cuxhaven ...	29.59	+ .51	33	32	-9	42	?	NE	6	3	NN	9	os	0.06	*
Sumburgh Head ...															
Sornoway (Hebrides) ...	29.95	+ .31	30	29	-2	36	27	N	5	6	NNE	10	q/s	0.21	7
Thurso ...	29.86	+ .37	32	31	0	38	30	NNN	5	7	N	7	sp	0.27	5
Wick ...	29.86	+ .38	29	29	-3	36	27	N	3	7	N	4	pe	0.12	3
Nairn ...	29.91	+ .38	26	24	-8	35	26	N	1	8	NE	0	osb	0.20	4
Aberdeen ...	29.82	+ .44	30	30	-4	37	30	NNN	3	6	N	1	sgb	0.16	3
Leith ...	29.93	+ .47	31	30	-6	40	29	N	3	4	NNN	3	sb	0.03	*
Shields ...	29.85	+ .53	31	30	-8	40	30	N	3	7	NNE	9	hos	0.17	5
York ...	?	?	29	29	-3	45	22	N	1	3	NNN	0	ob	-	*
Scarborough ...	29.81	+ .58	33	32	-8	42	30	NNN	4	7	N	7	hps	0.09	4
Nottingham ...	29.82	+ .53	31	31	-7	42	24	N	3	3	N	10	os	0.01	*
Ardrossan ...	29.95	+ .46	31	31	-5	39	31	NN	2	2	NNE	1	cb	-	1
Greencastle ...	30.01	+ .44	33	32	-7	40	32	N	1	4	N	10	os	0.09	*
Donaghadee ...	29.92	+ .47	37	34	-5	42	36	N	3	7	NNN	7	c	-	2
Kingstown ...	29.99	+ .53	34	31	-11	46	32	N	3	5	NN	6	pe	0.01	3
Holyhead ...	29.91	+ .52	39	36	-5	45	36	NNE	4	5	NNE	3	b	-	4
Liverpool (Bidston Obs.) ...	29.91	+ .53	32	29	-7	40	31	NNE	3	4	N	1	cb	-	2
Valencia ...	30.07	+ .54	38	35	-4	45	34	E	3	5	NE	6	de	-	4
Roche's Point ...	29.98	+ .58	34	33	-6	45	32	NNE	4	5	NNE	3	clb	-	3
Pembroke ...	29.86	+ .50	35	33	-4	45	31	NE	2	4	NNE	3	qso	0.27	1
Portishead ...	29.81	+ .50	32	31	-8	43	30	NNE	4	6	NE	7	ow	-	4
Scilly ...	29.86	+ .54	34	34	-12	50	33	NE	5	6	NE	10	hls	0.25	4
Plymouth ...	29.82	+ .50	33	31	-4	46	32	NE	2	2	NE	0	fm	-	*
Hurst Castle ...	29.80	+ .50	30	29	-11	44	29	NE	1	2	NE	2	sn	-	2
Dover ...	29.73	+ .54	33	32	-7	43	31	NNN	4	4	NN	5	cg	0.02	2
London ...	29.79	+ .52	30	28	-11	44	29	NN	2	2	NN	5	opm	0.01	*
Oxford ...	29.80	+ .50	27	25	-12	43	26	NN	1	2	N	7	oo	-	*
Cambridge ...	29.79	+ .53	27	26	-11	40	25	NN	2	2	NN	4	oe	-	*
Yarmouth ...	29.75	+ .57	32	32	-9	44	30	NNN	2	4	NNN	10	os	0.05	4
Helder ...	29.67	+ .56	39	*	-3	*	*	NNN	3	*	*	*	*	*	2
Cape Gris Nez ...	29.72	+ .55	38	36	-4	45	37	NNE	4	5	NNN	10	o	-	3
Brest ...	29.73	+ .37	41	34	-7	50	39	ENE	3	4	SSN	9	o	0.12	4
L'Orient ...	29.65	+ .33	40	40	-1	49	39	NNE	5	5	NNE	4	a	-	5
Rochefort ...	29.66	+ .28	42	42	-8	55	39	E	3	8	NNN	5	a	0.08	3
Biarritz ...	29.68	+ .23	43	43	-11	54	42	S	3	4	S	9	ro	0.32	5
Corunna ...						*	*				*	*	*	*	*
Brussels ...	29.68	+ .51	49	*	+2	*	*	ENE	1	*	*	*	a	*	*
Charleville ...	29.68	+ .40	33	*	-12	*	*	SE	1	*	*	*	f	*	*
Paris ...	29.69	+ .38	39	*	-5	48	38	NNN	4	4	NN	10	om	-	*
Lyons ...	?	?	40	*	-12	*	*	N	3	*	*	*	n	*	*
Toulon ...	29.68	- .05	55	50	0	59	53	SN	3	5	S	9	mo	-	4

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.
Skudesnaes ...					*			Valencia ...	29.69	44	41	NE	5	3	6
Thurso ...	29.50	37	33	N	7	g/s	6	Scilly ...	29.49	46	44	E	3	7	9
Scarborough...	29.41	39	37	NNN	6	h/a	6	London ...	29.44	43	40	NN	2	10	20
Greencastle ...							*	Rochefort...	29.49	55	48	NNN	4	5	2
Holyhead ...	29.55	42	39	NNE	4	5	4								

Pressure continues to increase generally especially over England. At Thurso and Valencia however the rise has been considerably checked. Strong N^l winds prevail in the N. and NE. with sun at Thurso. The sea is rising in the S.W.

EXPLANATION OF COLUMNS.

B. ROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **WEATHER:** Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gh. 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. wet, dew.

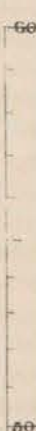
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

en
turb.
ce.
—
o 9.



SA
SM



and



SA
SM



and

and

Thurs. day 8 a.m.

WEATHER REPORT.

Dec. 3rd

1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Dis- turb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
Haparanda ...	29.06	- 55	- 6	- 7	+ 10	*	*	SW	2	2	N	*	b	*	*
Hernösand ...	29.32	+ 04	- 3	- 3	0	*	*	N	2	0	Z	*	b	*	*
Stockholm ...	29.45	+ 26	16	15	0	*	*	NN	4	4	SSN	*	ob	*	*
Wisby ...	29.54		33	33		*	*	N	8	4	N	*	bsr	*	*
Christiansund ...	29.54	+ 22	30	28	+ 2	*	*	NSN	8	4	E	*	sc	*	6
Skudesnaes ...	29.72	+ 16	22	22	- 8	*	*	NNN	2	4	NNN	*	ocb	*	2
Oxö (X'tiansand) ...	29.66	?	24	23	+ 5	*	*	SW	2	2	NNN	*	b	*	2
Skagen (The Skaw) ...	29.83	+ 28	32	30	+ 5	*	*	NE	2	4	N	*	cb	-	*
Fanö ...	29.76	+ 13	34	32	+ 7	*	*	N	4	4	SW	*	has	0.04	*
Cuxhaven ...	29.845	+ 25	34	32	+ 1	?	21	N	4	1	SSN	6	co	-	*
Sumburgh Head ...															
Stornoway (Hebrides) ...	29.73f	- 22	39	38	+ 9	39	29	NNN	4	5	N	9	n	0.24	5
Thurso ...	29.72f	- 14	36	35	+ 4	39	30	2	0	5	N	10	sr	0.56	2
Wick ...	29.70f	- 16	35	34	+ 6	35	26	Z	0	4	N	75	sf	0.30	1
Nairn ...	29.76f	- 15	36	34	+ 10	36	24	N	2	2	N	10	on	-	2
Aberdeen ...	29.75f	- 07	38	35	+ 8	39	28	NSN	1	3	NNN	10	psr	0.04	2
Leith ...	29.90f	- 03	37	36	+ 6	39	28	N	3	3	NN	8	bo	-	*
Shields ...	29.84f	- 01	33	33	+ 2	40	25	NN	2	3	NNN	6	bc	-	3
York ...	?	?	28	28	- 1	45	22	SW	1	1	N	?	cf	-	*
Scarborough ...	30.00r	+ 19	28	27	- 5	45	23	NSN	1	2	NN	5	sc	0.48	2
Nottingham ...	30.10r	+ 28	23	23	- 8	36	19	S	1	3	N	5	bm	-	*
Ardrossan ...	29.89f	- 06	43	40	+ 12	43	30	NSN	3	3	NN	8	bo	-	2
Greencastle ...	29.95f	- 06	37	36	+ 4	37	33	NSN	4	4	NSN	10	gd	0.24	*
Donaghadee ...	29.97f	+ 05	37	35	0	39	30	NSN	5	5	NSN	6	jc	-	3
Kingstown ...	30.09f	+ 10	39	36	+ 5	40	33	N	0	4	NNN	8	bo	-	?
Holyhead ...	30.06r	+ 15	41	38	+ 2	42	34	N	2	5	NNN	5	sc	0.06	2
Liverpool (Bidston Obs.) ...	30.06r	+ 15	37	36	+ 5	39	32	NSN	3	4	N	9	bsr	0.04	2
Valencia ...	30.17f	+ 10	40	38	+ 2	46	34	N	3	4	ENE	7	a	0.09	4
Roche's Point ...	30.15r	+ 17	39	38	+ 5	40	33	N	2	3	ENE	8	bo	-	3
Pembroke ...	30.15r	+ 29	41	38	+ 6	41	32	NNN	2	3	N	7	pr	0.17	2
Portishead ...	30.14r	+ 33	30	28	- 2	38	25	NSN	1	6	N	4	av	-	2
Scilly ...	30.20r	+ 34	43	39	+ 9	43	34	N	4	6	NE	5	sgc	0.08	4
Plymouth ...	30.20r	+ 38	29	28	- 4	40	27	N	2	3	NE	0	bf	-	*
Hurst Castle ...	30.18r	+ 38	28	28	- 2	36	25	Z	0	3	NE	1	mb	-	0
Dover ...	30.11r	+ 38	28	27	- 5	37	27	NN	4	4	NNN	3	qb	-	2
London ...	30.14r	+ 35	23	22	- 7	37	23	NNN	1	2	NNN	5	smb	-	*
Oxford ...	30.13	+ 33	25	24	- 2	35	23	N	1	2	N	1	b	-	*
Cambridge ...	30.13r	+ 34	23	23	- 4	35	21	SSN	1	2	NNN	1	cb	-	*
Yarmouth ...	30.07r	+ 32	25	25	- 7	38	24	N	2	3	NNN	8	cf	-	3
Helder ...	29.98	+ 31	38	*	- 1	*	*	N	6	*	*	*	*	*	2
Cape Gris Nez ...	30.08r	+ 36	35	31	- 3	41	33	N	4	4	N	1	ob	0.20	3
Brest ...	30.23r	+ 50	34	32	- 7	44	33	ENE	1	4	NE	1	ob	-	3
L'Orient ...	30.10r	+ 45	36	36	- 4	43	34	ENE	5	7	NE	2	cb	-	4
Rochefort ...	29.98r	+ 32	36	34	- 6	53	32	NE	7	5	NE	0	omb	-	3
Biarritz ...	29.97r	+ 29	43	41	0	50	39	E	4	3	E	10	o	-	5
Corunna ...															
Brussels ...	30.04	+ 36	31	*	- 18	*	*	NE	3	*	*	*	f	*	*
Charleville ...	30.09	+ 41	35	*	+ 2	*	*	NN	1	*	*	*	c	*	*
Paris ...	30.10r	+ 41	35	*	- 4	40	35	N	4	4	N	3	rc	-	*
Lyons ...	?	?	46	*	+ 3	*	*	NN	3	*	*	*	o	*	*
Toulon ...															

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

	Bar.	Dry.	Wet.	Wind.	G.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	G.	Wea.	Sea.
Skudesnaes ...	29.55	30	29	NN	6	*	S	4	Valencia ...	30.16	39	36	ENE	4	2
Thurso ...	29.86	36	32	N	5	6	c	5	Scilly ...	29.90	33	33	NN	2	10
Scarborough ...	29.96	43	39	NE	6	6	q	5	London ...	29.88	36	34	NNN	2	8
Greencastle ...							*		Rochefort ...	29.73	48	44	E	3	10
Holyhead ...	30.02	35	34	NNN	4	4	qhc	3							

The rise of the barometer has been entirely checked at Thurso while it still continues elsewhere. At Scarborough the wind has veered to NE and freshened and now is falling at Holyhead Scilly and London.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

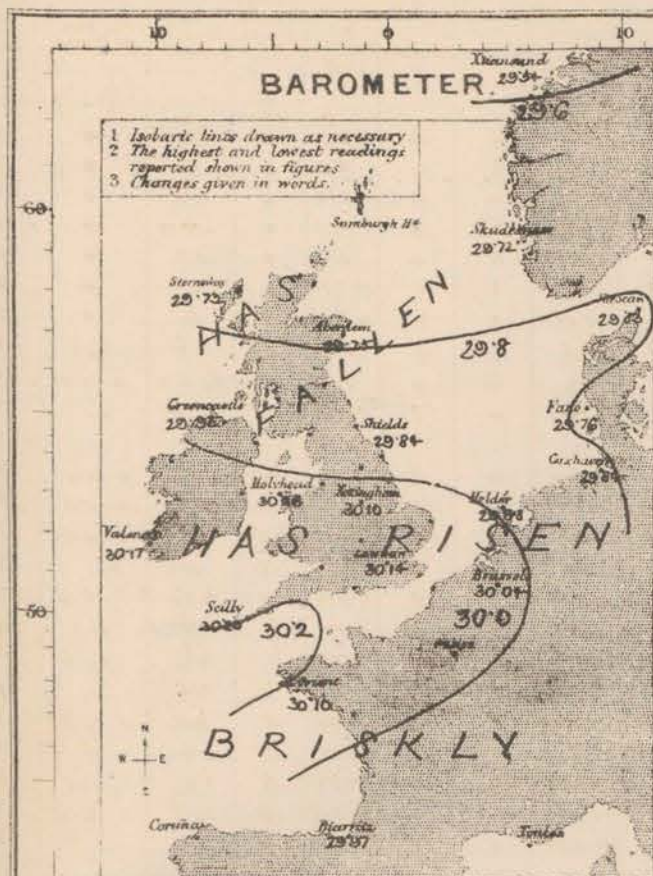
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

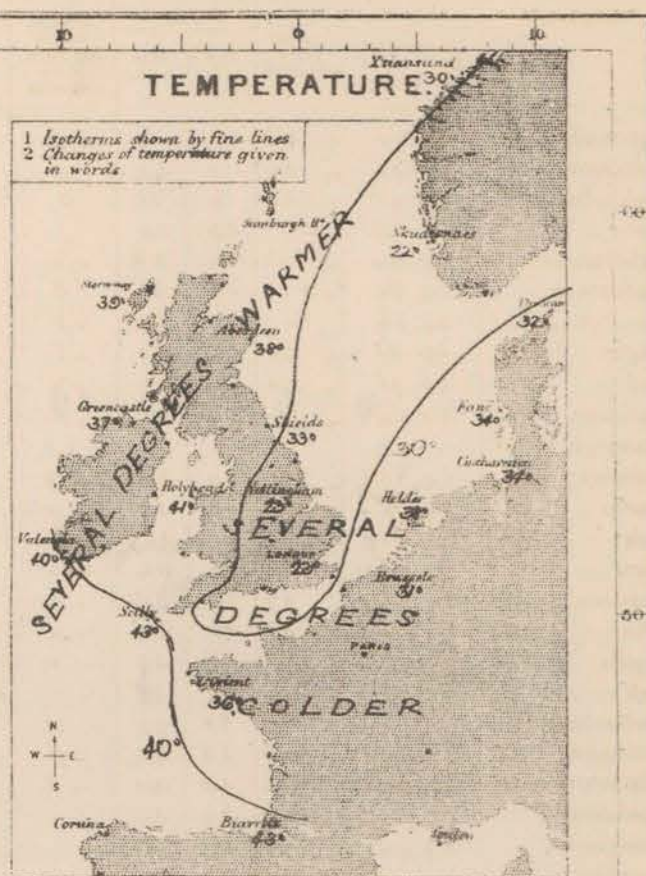
WEATHER CHARTS

AND REMARKS FOR

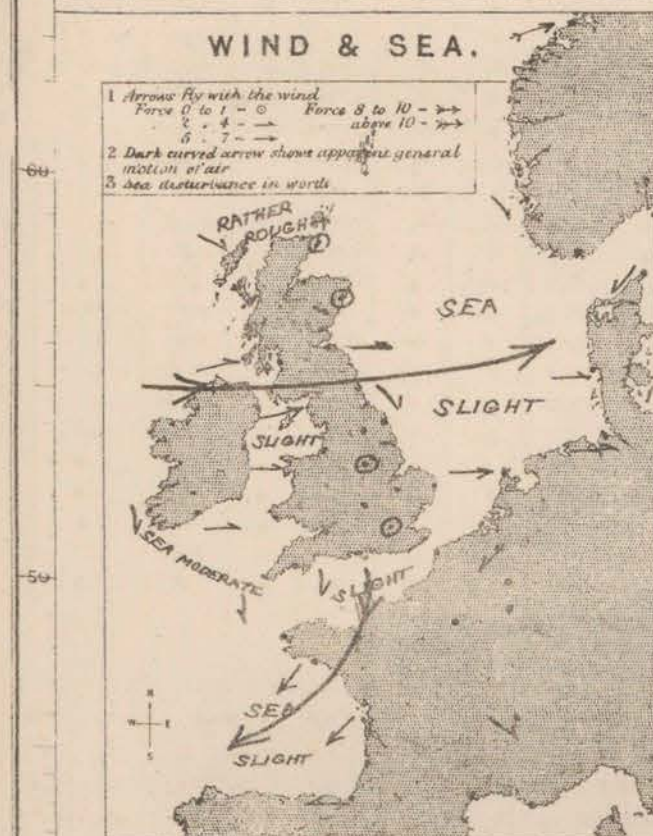
THURSDAY 3RD DECEMBER 1874 AT 8 A.M.



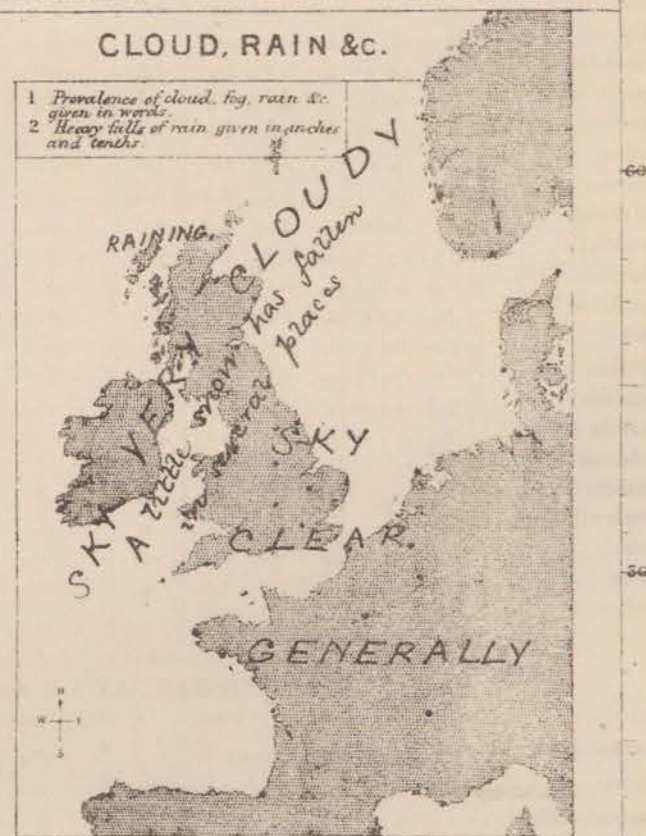
During the past twenty-four hours the barometer has fallen over Scotland and Ireland, while it has continued to rise elsewhere. The increase has been very brisk in the south-west where the highest readings are now found, and the gradient from Selly to Ardaraun is 0.05 in per 50 miles, for W. winds.



Temperature has fallen over France and the greater part of England but risen elsewhere. Over Central England temperature is very low this morning, and in Sweden the thermometer still reads below zero.



The wind has shifted to the Wnd except in Cornwall and over France. Moderate W. breezes are general in the west and north of these Islands and on the eastern shores of the North Sea, while very light variable air prevails in the south-east and fresh N.E. winds over the Bay of Biscay. The sea is rather rough at Stornoway, slight elsewhere.



Snow has fallen at several stations, and rain is reported from the north of Scotland. The sky is cloudy in the west and north, clear over Central England.

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

Meteorological Office
116, Victoria Str^{et}, Westminster, S.W.
ROBERT H. SCOTT, Director.

Fri - day 8 a.m.

WEATHER REPORT. December 4th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea- Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Direc.	Force. (0 to 12.)	Force. (0 to 12.)					Direc.
Haparanda	29.33	+ .27	?	?	?	*	*	N	2	2	NN	*	b	*	*
Hernösand	29.31	- .01	22	20	+19	*	*	SW	2	2	SW	*	bo	*	*
Stockholm	29.59	+ .14	23	22	+7	*	*	SW	4	4	SW	*	bc	*	*
Wisby	29.76	+ .22	33	33	0	*	*	SW	2	4	NN	*	bs	*	*
Christiansund	29.28	- .26	33	33	+3	*	*	NSW	8	6	N	*	s	*	6
Skudesnaes	29.60	- .12	41	39	+19	*	*	NSW	6	4	ESE	*	co	*	3
Oxö (X'tiansand)	29.65	- .01	37	35	+13	*	*	NSW	4	4	NNN	*	c	*	2
Skagen (The Skaw)	29.69	- .14	33	32	+1	*	*	WSW	2	2	WSW	*	bf	-	*
Fanö	29.87	+ .11	40	39	+6	*	*	WSW	4	4	WSW	*	oo	0.28	*
Cuxhaven	30.01r	+ .17	34	34	0	?	30	WSW	4	5	N	8	ro	0.07	*
Sumburgh Head															
Stornoway (Hebrides)	29.38f	- .55	45	45	+6	45	35	SW	6	6	SW	10	r	0.53	7
Thurso	? 29.49f	- .23	37	37	+1	43	35	SSE	2	5	NNN	10	or	0.35	2
Wick	29.42f	- .28	40	39	+5	40	33	S	2	2	NSW	10	od	0.15	1
Nairn	29.53f	- .23	41	38	+5	41	36	N	3	3	N	7	bc	0.05	2
Aberdeen	29.67f	- .08	38	37	0	43	36	S	2	2	NN	9	cg	-	2
Leith	29.79f	- .11	42	41	+5	43	36	NSW	5	3	N	8	co	-	*
Shields	29.91f	+ .07	38	36	+5	39	31	SW	2	2	N	9	amo	-	2
York	?	?	34	34	+6	39	28	SW	1	1	SW	9	om	0.09	*
Scarborough	29.97f	- .03	34	34	+6	38	28	NSW	2	2	WSW	3	ob	-	3
Nottingham	30.09f	- .01	33	33	+10	39	23	N	1	4	WSW	9	gf	-	*
Ardrossan	29.82f	- .07	45	42	+2	47	39	SW	6	6	SW	8	cg	0.01	5
Greencastle	29.82f	- .13	41	41	+4	41	36	SW	4	4	SW	10	g	0.10	*
Donaghadee	29.96f	- .01	38	37	+1	42	34	NSW	4	5	NSW	5	c	-	3
Kingstown	30.06f	- .03	43	41	+4	45	38	SW	3	4	N	6	oc	-	2
Holyhead	30.04f	- .02	43	40	+2	47	41	WSW	3	4	NNN	4	dc	0.07	3
Liverpool (Bidston Obs.)	30.06f	- .00	39	36	+2	43	37	SW	3	4	NSW	5	oc	0.01	2
Valencia	30.13f	- .04	48	46	+8	50	40	N	3	4	N	9	com	-	5
Roche's Point	30.10f	- .05	42	40	+3	46	39	N	1	4	NN	4	c	-	2
Pembroke	30.12r	- .03	46	42	+5	48	40	N	1	4	N	9	po	0.07	1
Portishead	30.09f	- .05	39	39	+9	46	30	N	1	3	NSW	8	com	-	1
Scilly	30.19f	- .01	49	45	+6	49	42	NNN	3	4	NSW	7	oc	0.04	2
Plymouth	30.17f	- .03	39	39	+10	40	29	N	1	2	N	10	fd	0.07	*
Hurst Castle	30.16f	- .02	33	33	+5	45	28	N	1	2	NN	3	bf	0.02	0
Dover	30.14f	+ .03	39	38	+11	39	27	N	2	4	NN	5	bg	-	2
London	30.14f	- .00	37	36	+14	41	23	NSW	2	1	NNN	5	oc	-	*
Oxford	30.12	- .01	35	35	+10	38	25	SW	1	2	SW	10	of	-	*
Cambridge	30.13s	- .00	33	33	+10	35	22	SW	1	1	SW	10	co	-	*
Yarmouth	30.09s	+ .02	31	31	+6	34	24	WSW	2	2	N	4	mf	-	3
Helder	30.06	+ .08	44	*	+6	*	*	SW	5	*	*	*	*	*	1
Cape Gris Nez	30.13f	+ .05	43	41	+8	?	34	NSW	3	4	N	8	bo	-	2
Brest	30.26f	+ .03	43	41	+9	46	33	NSW	1	3	NE	9	o	-	1
L'Orient	30.22r	+ .12	39	37	+3	44	36	NE	1	5	NNE	3	bc	-	3
Rochefort	30.17r	+ .19	34	32	-2	50	31	N	5	7	N	0	ob	-	3
Biarritz	30.12r	+ .15	39	37	-4	43	37	E	4	4	E	9	o	-	4
Corunna			*	*	*	*	*				*	*	*	*	*
Brussels	30.24	+ .20	32	*	+1	*	*	SW	3	*	*	*	b	*	*
Charleville	? 30.27	+ .18	24	*	-11	*	*	NE	1	*	*	*	b	*	*
Paris	30.22r	+ .12	29	*	-6	40	28	NNN	3	4	N	0	b	-	*
Lyons	?	?	39	*	-7	*	*	NE	3	*	*	*	o	*	*
Toulon	29.70f		47	47		53	46	NN	4	4	NN	10	r	0.20	3

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	29.75	32	32	ESE	4	*	a	3	Valencia ...	30.17	42	40	N	4	7	5
Thurso ...	29.77	47	43	NNN	5	7	a	4	Scilly ...	30.18	46	41	NNN	4	8	4
Scarborough...	29.98	35	34	NNN	2	9	o	3	London ...	30.14	37	35	NNN	1	8	3
Greencastle ...								*	Rochefort...	30.06	41	37	N	7	10	
Holyhead ...	30.05	44	43	SW	2	10	dm	2								

A recovery of pressure has taken place at Thurso while the fall noticed this morning has extended to all our stations. The wind has freshened at Thurso and backed to NNW. at Scilly.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

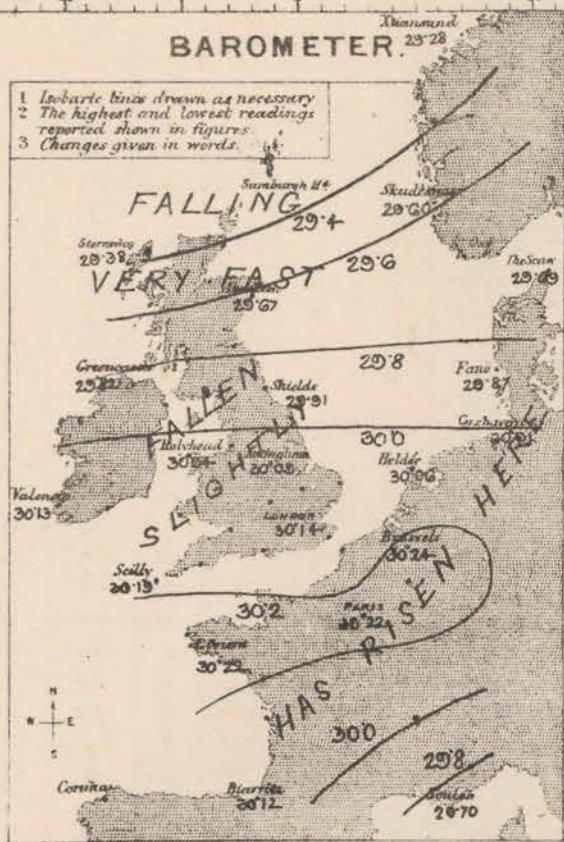
WEATHER CHARTS

AND REMARKS FOR

FRIDAY 4TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

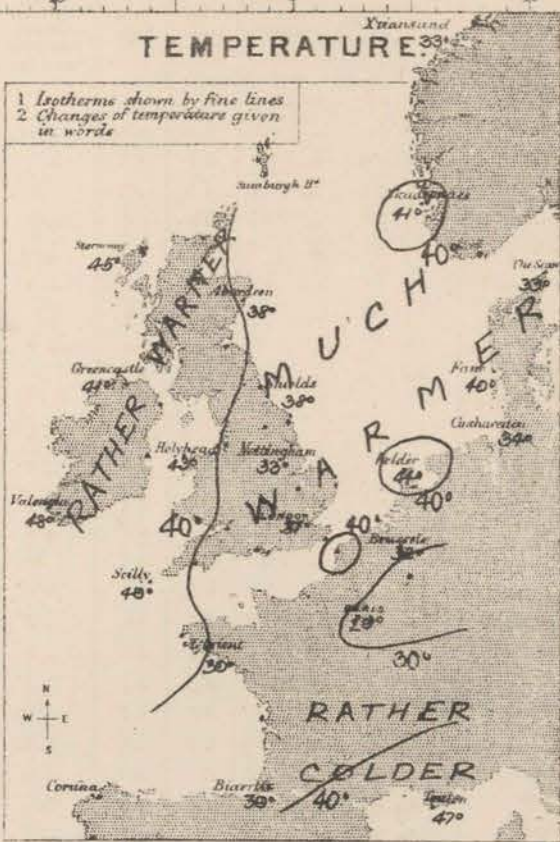
- 1 Isobars lines drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words.



During the past night a sudden and rapid fall of the barometer has taken place in the extreme north and north-west of our Islands while over France the mercury has risen. The highest pressures lie over the north of France, and while the gradient from Hurst Castle to Leth is 0.06 in that from Leth to Stornoway is 0.14 in per 50 miles.

TEMPERATURE.

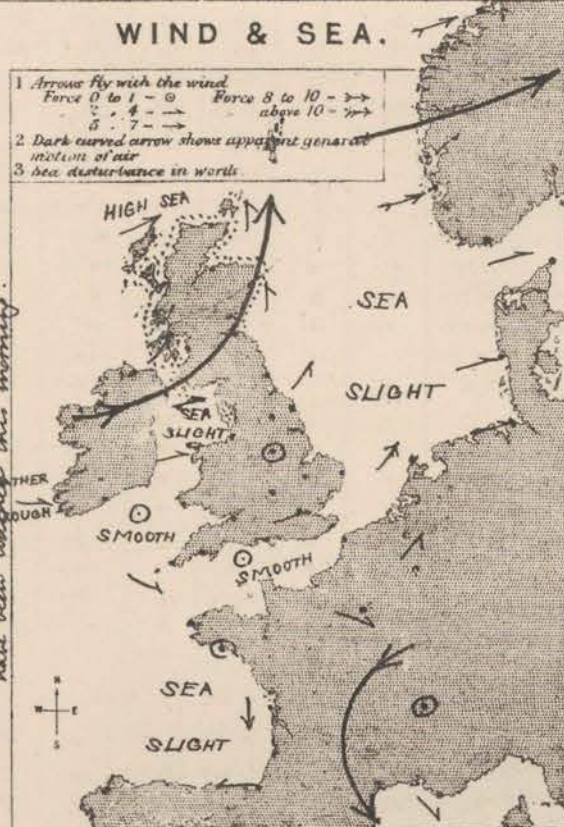
- 1 Isotherms shown by fine lines
- 2 Changes of temperature given in words



Temperature has risen very generally except over France, where it has fallen considerably and is now very low.

WIND & SEA.

- 1 Arrows fly with the wind
Force 0 to 1 - Force 8 to 10 -
Force 4 - Force 10 -
- 2 Dark curved arrow shows apparent general motion of air
- 3 Sea disturbance in words



Note: A dotted line is drawn round those coasts which have been visited this morning.

Moderate to fresh WSW breezes now prevail at our western and northern stations as well as over the North Sea, and strong winds from the same quarter in the west of Norway attaining the force of a gale at Christianund. In the west of France the wind is NE. The sea is high at Stornoway, rather rough at Valenice, smooth in the south and east.

CLOUD, RAIN & C.

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



Some rain has fallen in the west and north, and continues at several places, especially in the north of Scotland. The sky is moderately clear in the east, very cloudy elsewhere.

Warnings issued to our northern station.

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

Meteorological Office
116, Victoria St. Westminister. S.W.
ROBERT H. SCOTT, Director.

Dangerfield, Lth, 22 Bedford St. Covent Garden

Saturday day 8 a.m.

WEATHER REPORT. December 5th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dir.	Force. (0 to 12.)	Force. (0 to 12.)					Dir.
Haparanda ...	29.33	00	10	?	?	*	*	NE	4	?	?	*	o	*	*
Hernösand ...	29.01	-30	35	34	+13	*	*	SSW	4	0	2	*	bo	*	*
Stockholm ...	29.30	-29	38	37	+15	*	*	SW	6	4	SSW	*	bo	*	*
Wisby ...	29.61	-15	40	39	+7	*	*	SW	6	6	W	*	c	*	*
Christiansund ...	29.02	-26	36	35	+3	*	*	WSW	8	4	SSW	*	or	*	?
Skudesnaes ...	29.30	-30	38	37	-3	*	*	W	2	10	SSW	*	re	*	4
Oxö (X'tiansand) ...	29.34	-31	42	40	+5	*	*	SW	6	4	WSW	*	c	*	4
Skagen (The Skaw) ...	29.42	-27	41	41	+8	*	*	W	4	8	W	*	br	0.16	*
Fanö ...	29.55	-32	43	41	+3	*	*	SW	4	6	WSW	*	or	0.12	*
Cuxhaven ...	29.72f	-29	35	35	+1	?	32	SW	4	5	WSW	9	o	-	*
Sumburgh Head ...															
Stornoway (Hobridges) ...	29.20f	-18	36	35	-9	49	35	NNW	5	8	WSW	8	rlg	0.46	6
Thurso ...	29.17	-32	38	37	+1	50	35	SW	3	7	WSW	7	cu	0.22	3
Wick ...	29.17f	-25	37	35	-3	47	35	W	5	5	W	4	po	0.10	2
Nairn ...	29.28f	-25	40	38	-2	50	37	W	4	5	W	10	br	0.10	3
Aberdeen ...	29.30f	-37	41	39	+3	49	38	SW	2	3	SSW	8	bw	-	2
Leith ...	29.40f	-39	44	43	+2	52	42	WSW	4	8	SW	6	c	0.00	*
Shields ...	29.48f	-43	44	43	+6	46	35	W	2	6	WSW	4	cc	0.52	0
York ...	?	?	46	45	+12	47	34	W	1	3	SSW	7	c	0.16	*
Scarborough ...	29.54f	-43	43	43	+9	46	34	SW	1	4	SW	7	cc	0.20	2
Nottingham ...	29.56f	-53	48	47	+15	48	33	SSW	2	4	SSW	10	mio	0.01	*
Ardrossan ...	29.44f	-38	45	42	0	51	45	W	5	7	SSW	5	rpq	0.55	3
Greencastle ...	29.53f	-29	43	41	+2	48	40	WSW	?	6	W	10	g	0.17	*
Donaghadee ...	29.53f	-43	43	42	+5	48	38	WSW	3	5	SSE	10	do	0.09	2
Kingstown ...	29.67f	-39	46	44	+3	52	42	W	3	4	SW	8	o	0.02	3
Holyhead ...	29.64f	-40	48	46	+5	52	42	WSW	5	5	SW	6	ro	0.12	4
Liverpool (Bidston Obs.) ...	29.64f	-42	46	44	+7	52	39	WSW	4	7	WSW	9	co	0.03	3
Valencia ...	29.85f	-28	49	46	+1	51	47	?	6	7	?	7	ro	0.27	6
Roche's Point ...	29.78f	-32	44	43	+2	51	42	WSW	2	5	W	8	fo	0.10	3
Pembroke ...	29.74f	-38	50	47	+4	52	45	NNW	3	6	W	7	me	0.06	3
Portishead ...	29.75f	-34	50	50	+11	50	38	WSW	5	6	W	10	og	0.03	4
Scilly ...	29.89f	-30	52	52	+3	52	47	WSW	5	5	WSW	10	odf	0.03	4
Plymouth ...	29.85f	-32	50	50	+11	51	39	SW	3	3	SW	10	g	-	*
Hurst Castle ...	29.85f	-31	50	49	+17	50	32	W	5	5	W	10	fg	0.01	4
Dover ...	29.81f	-33	47	46	+8	47	36	SW	3	3	W	4	bg	-	3
London ...	29.78f	-36	48	46	+11	48	37	WSW	3	4	WSW	9	obr	0.02	*
Oxford ...	29.73	-39	48	47	+13	48	35	?SW	3	3	SW	10	og	-	*
Cambridge ...	29.71f	-42	46	46	+13	46	31	SW	2	2	SW	10	co	-	*
Yarmouth ...	29.69f	-40	43	43	+12	44	30	SW	3	4	WSW	6	mc	0.02	2
Helder ...	29.70	-36	46	*	+2	*	*	SW	6	*	*	*	*	*	4
Cape Gris Nez ...	29.80f	-33	50	50	+7	51	39	SW	5	4	WSW	10	br	-	4
Brest ...															
L'Orient ...	30.02f	-20	50	50	+11	53	36	NNW	4	4	NNW	9	f	-	3
Rochefort ...															
Biarritz ...	30.21f	-09	34	30	-5	42	30	E	3	4	E	6	cc	-	3
Corunna ...			*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels ...	29.88	-36	38	*	+6	*	*	SW	3	*	*	*	o	*	*
Charleville ...	30.03	-24	30	*	+6	*	*	E	1	*	*	*	o	*	*
Paris ...	30.01f	-21	35	*	+6	39	32	SE	3	1	NNW	4	bo	-	*
Lyons ...	?	?	37	*	-2	*	*	W	3	*	*	*	b	*	*
Toulon ...	29.64f	-06	33	31	-14	50	33	NN	8	3	NN	8	o	1.18	6

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

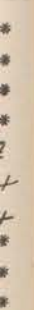
	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	29.37	42	41	SSW	8	*	r	5	Valencia ...	30.01	51	49	N	4	7	f
Thurso ...	29.17	49	46	WSW	4	5	c	4	Scilly ...	30.14	49	46	N	4	7	c
Scarborough...	29.20	38	37	SW	4	10	q	4	London ...	30.06	38	37	WSW	1	10	m
Greencastle ...	29.66	48	48	SW	5	10	q	*	Rochefort...	30.15	41	36	N	7	0	b
Holyhead ...	29.90	48	45	SW	5	5	m	4								

Pressure continues to decrease generally, rapidly in the N. and the wind has increased from the SW² at Greencastle, with gloomy weather.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.
 * AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.
 N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposition direction.

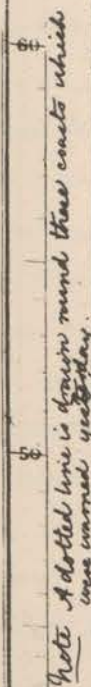
sea
turb-
nce.



1



50



ED
rk
ty.
and



Warnings were issued to our western, northern and north-eastern coasts yesterday. Signals lowered in the south west this morning.

ty
and

SUMMARY OF WEATHER IN WESTERN EUROPE

from NOV^R 29TH to DEC^R 5TH 1874.

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

This period has been very disturbed: during the first day a very serious depression passed over us, and hard gales from various quarters were experienced on all coasts. This was succeeded by another but much shallower cyclonic system which passed on to Norway, and the barometer rose briskly till the 3rd when a fall set in over Scotland which extended during the next two days over the whole of Western Europe, moderate to fresh W^{ly} to SW^{ly} winds being general. Temperature has oscillated very seriously, especially over France and the south-east of England. Rain has fallen generally - very heavily at some stations, and hail and snow in some places. The sky has been cloudy, especially in the west and north.

NOV^R 29TH The depression noticed over Ireland at the close of last week had advanced with extreme rapidity E^{ly}, and at 8 am lay over Wales. The fall had been very considerable over these Islands, exceeding an inch over Central England, and the gradient from Corunna to Holyhead was 0.10 in. per 50 miles. The wind had increased to the force of a heavy gale on most coasts, from S in the south-east, from SE in the north, and from W or NW in the south-west and over the Bay of Biscay, where the storm was most severe. Temperature had risen considerably except over Ireland. Rain was falling in many places, and the sky everywhere cloudy. At 6 pm the centre of the depression lay in the neighbourhood of Shields.

NOV^R 30TH The depression noticed on the 29th had passed on toward the south of Norway, and the barometer had risen at all stations but a new large and shallow depression had advanced over us and a fresh fall had occurred in the south and south-west during the night. Gradients were slight over these Islands, but that from Rochefort to L'Orient was 0.13 in. per 50 miles. SW^{ly} gales were still felt in France but the gales noticed over our Islands on the 29th had subsided and light breezes prevailed generally over the United Kingdom. Temperature had fallen everywhere. Rain was falling at several stations and the sky was very cloudy except in some parts of the north of England. At 2 pm the barometer was rising everywhere.

DEC^R 1ST A rapid rise of the barometer had occurred over the United Kingdom and France, especially in the west of these Islands so that the highest readings were found off our west coasts, and the gradient from Stornoway to Skudeenæs was 0.09 in. per 50 miles. The wind had veered to the N^{ly} over the whole of our Islands but drew into W over France and SW in the Netherlands. In force it was fresh or strong in the north and north-west and light in the east while at Rochefort a fresh W gale was reported. Temperature had again decreased except over Ireland. Very heavy rain had fallen in the south-east of England, hail and snow were falling in Scotland, and the sky was cloudy generally. The barometer continued to rise everywhere, and snow fell in some places during the day.

DEC. 2ND The barometer had risen over the whole of Western Europe, the recovery having extended to the Scandinavian stations. The highest readings, however still lay to the W. of our Islands but gradients were much slighter than on the 1st. Light or moderate N^W winds were general, drawing into NE and freshening slightly over the Bay of Biscay. Temperature had fallen at all stations and was low over Central England. Snow was falling in the east of England but elsewhere the sky was clearer than of late. During the day the mercury continued to rise.

DEC. 3RD A further rise of the mercury had taken place at most stations, especially in the south west, and the highest pressure lay at 8 am at the mouth of the Channel but over Scotland and Ireland a slight fall had occurred, and the gradient from Scilly to Ardrossan was 0.05 in. per 50 miles. Moderate W^W winds prevailed over the greater part of our Islands and the North Sea, but in the south west and over France moderate to fresh N^W to NE^W winds were reported. Temperature had fallen and was very low over France and the south east of England, while over the remainder of our Islands it had risen several degrees. The sky was clear in the south east, but cloudy in the west and north.

DEC. 4TH The barometer was falling fast in the north of Scotland, while it was rising over France where the mercury was highest. Gradients, however, were steepest over Scotland, that from Leith to Stormway being 0.14 in. per 50 miles. The winds were light or moderate in force generally, - from SW in the west and north and on the west coast of Norway, where it increased to a fresh gale. Over the Bay of Biscay N^W breezes were reported. Temperature was low over northern and central France and was still falling, but elsewhere a rise was reported. Rain had fallen at several stations, and the sky was very cloudy except in the east. During the day the barometer continued to fall, especially in the north.

DEC. 5TH The barometer had fallen over the whole of Western Europe, especially over England. The highest readings lay at 8 am over the south west of France, the lowest to the north of Scotland and the gradient from Lorient to Thurso was 0.07 in. per 50 miles. Moderate to fresh W^W winds were general over these Islands and France, drawing into SW and freshening on the eastern shores of the North Sea. Temperature had risen very considerably, especially over Central England. Hail was reported from Stormway, and the sky was very cloudy everywhere. By 2 pm the mercury showed very little change.

Sunday 8 a.m.

WEATHER REPORT. Dec^r 6th

1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance 0 to 9.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda	29.22	-11	8	8	-2	*	*	W	2	6	SW	*	50	*	*
Hernösand	29.02	+01	33	32	-2	*	*	SE	4	0	Z	*	OST	*	*
Stockholm	29.23	-07	36	35	-2	*	*	SSW	4	2	SSW	*	50	*	*
Wisby	29.42	-19	40	39	0	*	*	SW	4	6	SW	*	26	*	*
Christiansund	28.83	-19	38	34	+2	*	*	SW	2	4	ENE	*	0	*	5
Skudesnaes	29.08	-22	40	37	+2	*	*	WNW	7	8	WSW	*	0	*	7
Oxö (X'tiansand)	29.10	-24	43	40	+1	*	*	WSW	4	6	SW	*	60	*	3
Skagen (The Skaw)	29.23	-19	40	39	-1	*	*	WSW	4	4	WSW	*	2	0.35	*
Fanö	29.30	-25	44	43	+1	*	*	WSW	6	4	WSW	*	00	0.08	*
Cuxhaven	29.52	-20	43	42	+9	?	34	WSW	6	5	SW	9	00	0.04	*
Sumburgh Head	29.08	+03	34	33	-5	42	32	NNW	2	8	W	5	20	0.19	3
Stornoway (Hobrids.)	29.12	-08	32	32	-4	44	29	WNW	4	6	WNW	6	20	0.31	6
Thurso	29.13	-04	34	33	-4	40	31	SSW	2	6	WSW	7	20	0.21	3
Wick	29.09	-08	32	30	-5	38	30	W	2	6	W	2	20	0.12	1
Nairn	29.19	-09	33	31	-7	40	32	W	1	4	WSW	0	6	0.02	2
Aberdeen	29.20	-10	34	32	-7	43	31	WSW	1	3	SW	2	6	-	1
Leith	29.27	-13	38	37	-6	46	35	SW	3	6	WSW	8	00	0.23	*
Shields	29.31	-17	40	39	-4	45	38	W	1	6	W	9	00	0.16	1
York	?	?	41	41	-5	40	40	W	1	3	W	10	00	0.19	*
Scarborough	29.33	-21	41	41	-2	46	41	SW	1	2	WSW	10	00	0.25	2
Nottingham	29.40	-16	47	46	-1	50	40	SSW	4	7	SSW	10	00	0.08	*
Ardrossan	29.26	-18	42	38	-3	47	41	W	3	7	WSW	6	20	0.32	2
Greencastle	29.32	-21	39	38	-4	43	37	SSW	4	16	WNW	8	20	0.30	*
Donaghadee	29.29	-24	39	38	-4	45	38	SW	4	7	SSW	10	00	0.14	4
Kingstown	29.38	-29	43	42	-3	50	43	W	3	15	W	10	00	0.43	2
Holyhead	29.34	-30	45	44	-3	51	41	WNW	3	6	WSW	10	20	0.35	3
Liverpool (Bidston Obs.)	29.37	-27	42	41	-4	50	42	WNW	1	7	WSW	10	00	0.40	2
Valencia	29.53	-32	44	42	-5	52	40	NNW	6	16	W	9	20	0.20	6
Roche's Point	29.39	-39	40	40	-4	50	40	WSW	5	5	WSW	10	00	0.16	5
Pembroke	29.44	-30	51	49	+1	51	48	WSW	7	7	WSW	10	00	0.10	5
Portishead	29.52	-23	48	48	-2	51	42	WSW	5	5	W	10	00	0.19	4
Scilly	29.63	-26	53	53	+1	53	47	SW	6	6	WSW	10	00	0.14	5
Plymouth	29.61	-24	50	50	0	52	45	SW	5	6	SW	10	00	0.04	5
Hurst Castle	29.61	-24	50	50	0	51	46	WSW	6	6	WSW	10	00	0.04	5
Dover	29.63	-18	49	48	+2	51	41	WSW	6	6	WSW	10	00	0.05	5
London	29.57	-21	50	48	+2	52	40	SW	2	3	WSW	10	00	0.02	*
Oxford	29.52	-21	48	46	0	50	42	SW	4	5	SW	10	00	-	*
Cambridge	29.52	-19	47	45	+1	49	38	SW	3	3	SW	10	00	-	*
Yarmouth	29.40	-21	46	45	+3	40	40	SSW	4	5	SW	8	00	-	3
Helder	?	?	*	*	*	*	*	*	*	*	*	*	*	*	*
Cape Gris Nez	29.66	-14	49	49	-1	52	47	SW	7	5	SW	10	20	0.08	5
Brest	29.87	-15	54	54	+5	54	48	WSW	7	7	WSW	10	20	0.04	4
L'Orient	29.85	-17	53	53	+3	54	47	WNW	5	5	WNW	9	20	0.04	3
Rochefort	30.04	-06	52	50	+6	50	42	W	3	7	WNW	10	00	0.16	3
Biarritz	30.20	-01	46	44	+12	46	41	S	3	4	SE	5	0	-	3
Corunna	?	?	*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels	29.76	-12	45	*	+7	*	*	SW	3	*	*	*	20	*	*
Charleville	29.88	-15	42	*	+8	*	*	S	3	*	*	*	8	*	*
Paris	?	?	*	*	*	*	*	*	*	*	*	*	*	*	*
Lyons	?	?	41	*	+4	*	*	SW	3	*	*	*	0	*	*
Toulon	30.01	+37	47	40	+14	?	42	NW	1	8	NW	1	00	-	3

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

Bar.	Dry.	Wet.	Wind.	C.	Wb.	Sea.	Bar.	Dry.	Wet.	Wind.	C.	Wb.	Sea.
Skudesnaes	29.11	36	35	WSW	5	5	1/2	?	5	5	1/2	?	5
Thurso	29.11	36	35	WSW	5	5	1/2	?	5	5	1/2	?	5
Scarborough	29.54	45	43	WSW	1	7	0	2	10	9	*	*	*
Greencastle	29.57	42	41	WNW	6	10	9	*	*	*	*	*	*
Holyhead	29.65	48	45	WSW	4	6	0	4	*	*	*	*	*
Valencia	29.52	51	48	W	6	7	1/2	5	6	0	6	*	*
Scilly	29.89	52	49	WNW	5	6	0	*	*	*	*	*	*
London	29.73	51	48	WSW	2	10	0	3	0	6	*	*	*
Rochefort	30.08	49	45	W	7	0	6	*	*	*	*	*	*

The changes of pressure are irregular. The wind is "backing" at Valencia and freshening with stormy weather, & a rough sea. The signals are still up on our NW & NE coasts.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

Mon-day 8 a.m.

WEATHER REPORT.

Dec. 7th

1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Direc.	Force. (0 to 12.)	Force. (0 to 12.)					Direc.
Haparanda ...	29.00	-.22	21	21	+13	*	*	SW	2	4	SW	*	so	*	*
Hernösand ...	28.97	-.05	27	26	-5	*	*	NE	2	2	SE	*	o	*	*
Stockholm ...	28.88	-.35	32	32	-4	*	*	NSW	2	4	NSW	*	os	*	*
Wisby ...	28.84	-.58	42	41	+2	*	*	SE	4	4	SW	*	ar	*	*
Christiansund ...	29.14	+.31	37	32	-1	*	*	NNW	6	0	Z	*	oo	*	4
Skudesnaes ...	29.06	-.02	38	36	-2	*	*	N	4	2	NNW	*	o	*	14
Oxö (X'tiansand) ...	29.07	-.03	30	27	-13	*	*	N	4	2	N	*	6	*	2
Skagen (The Skaw) ...	29.06	-.17	34	31	-6	*	*	NN	4	2	NSW	*	6	0.23	*
Fanö ...	29.22	-.08	39	37	-5	*	*	N	4	4	E/NE	*	re	0.95	*
Cuxhaven ...	29.37r	-.15	49	48	+6	?	36	N	6	8	SW	7	ro	0.13	*
Sumburgh Head ...	29.23r	+.15	34	33	0	37	30	NNE	4	1	NNW	7	op	-	3
Stornoway (Hebrides) ...	29.36r	+.24	34	33	-2	37	28	NN	5	?	SE	8	w	0.33	6
Thurso ...	29.36r	+.17	33	32	-1	37	30	Z	0	5	NSW	7	so	0.14	2
Wick ...	29.33r	+.24	28	27	-4	34	27	NNW	2	4	N	4	so	0.11	1
Nairn ...	29.44r	+.25	32	30	-1	36	30	NN	1	3	N	4	bsc	0.16	2
Aberdeen ...	29.28r	+.08	32	30	-2	36	32	SW	1	3	SW	4	bsc	-	1
Leith ...	29.44r	+.17	34	32	-4	40	32	N	4	3	SW	8	po	0.07	*
Shields ...	29.52r	+.22	34	32	-6	41	32	NN	6	6	NN	1	b	-	2
York ...	?	?	34	33	-7	45	33	N	4	4	N	2	ro	0.32	*
Scarborough ...	29.60r	+.27	33	31	-8	41	33	N	3	7	N	1	ob	0.21	3
Nottingham ...	29.77r	+.37	33	32	-14	51	32	SW	3	7	NN	5	uw	0.21	*
Ardrossan ...	29.53r	+.27	40	35	-2	44	33	NNW	8	9	NNW	4	qbt	0.18	4
Greencastle ...	29.74r	+.42	36	34	-3	39	34	NNW	6	6	NNW	8	-q	0.25	*
Donaghadee ...	29.69r	+.40	33	32	-6	41	32	N	5	7	N	8	o	0.04	4
Kingstown ...	29.88r	+.50	37	35	-6	45	35	N	5	6	NNW	8	co	0.14	4
Holyhead ...	29.82r	+.48	39	37	-6	46	37	N	8	9	NN	6	rp	0.41	6
Liverpool (Bidston Obs.) ...	29.73r	+.26	39	35	-3	43	35	N	7	8	N	5	glea	?	5
Valencia ...	30.12r	+.59	44	41	0	49	42	NN	6	7	NN	6	p	0.09	6
Roche's Point ...	30.03r	+.64	40	38	0	45	38	N	3	6	NN	3	bqrp	0.12	3
Pembroke ...	29.94r	+.50	45	42	-6	52	40	NNW	6	8	NNW	7	hqr	0.15	5
Portishead ...	29.94r	+.42	38	37	-10	53	36	NNW	4	7	N	4	q/w	0.35	4
Scilly ...	30.11r	+.48	47	45	-6	54	42	NNW	6	8	SW	6	qr	0.43	6
Plymouth ...	30.05r	+.44	40	39	-10	55	38	N	2	7	SW	10	qf	0.28	*
Hurst Castle ...	29.97r	+.36	40	37	-10	53	39	NNW	5	7	NSW	2	rb	0.20	5
Dover ...	29.86r	+.23	37	35	-12	52	35	N	4	6	SW	4	qyc	0.45	3
London ...	29.88r	+.31	37	34	-13	54	35	SW	1	7	NSW	5	qbo	0.31	*
Oxford ...	29.89	+.37	35	33	-13	53	35	N	2	?	SW	1	cb	0.20	*
Cambridge ...	29.84r	+.32	36	34	-11	51	34	N	2	5	N	7	uo	0.42	*
Yarmouth ...	29.72r	+.24	35	34	-11	50	34	N	5	6	NNW	6	qye	0.16	4
Helder ...	29.58		41	*		*	*	N	8	*	*	*	*	*	3
Cape Gris Nez ...	29.84r	+.18	41	38	-8	53	41	NN	8	9	SW	8	ro	0.24	6
Brest ...	30.25r	+.38	48	46	-6	55	46	NNW	5	8	NSW	?	fo	0.08	5
L'Orient ...	30.17r	+.32	46	44	-7	56	45	NN	4	9	N	4	ro	0.20	5
Rochefort ...	30.25r	+.21	46	43	-6	57	40	NSW	3	8	NSW	10	r	0.35	3
Biarritz ...	30.32r	+.12	54	52	+8	54	46	N	4	4	SW	7	co	-	3
Corunna ...			*	*		*	*		*	*	*	*	*	*	*
Brussels ...			*	*		*	*		*	*	*	*	*	*	*
Charleville ...	29.85	+.09	37	*	-8	*	*	N	9	*	*	*	*	*	*
Paris ...			38	*		54	37	NSW	4	9	SW	4	oo	0.20	*
Lyons ...	30.07r	?	48	*	+7	*	*	N	3	*	*	*	o	*	*
Toulon ...	30.10f	+.09	46	42	-1	53	44	NN	5	1	NN	2	b	-	4

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.
Skudesnaes ...	29.13	36	?	NNW	2	*	c	5	Valencia ...						
Thurso ...									Scilly ...						
Scarborough ...									London ...						
Greencastle ...									Rochefort ...	30.01	55	51	N	7	10
Holyhead ...															

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

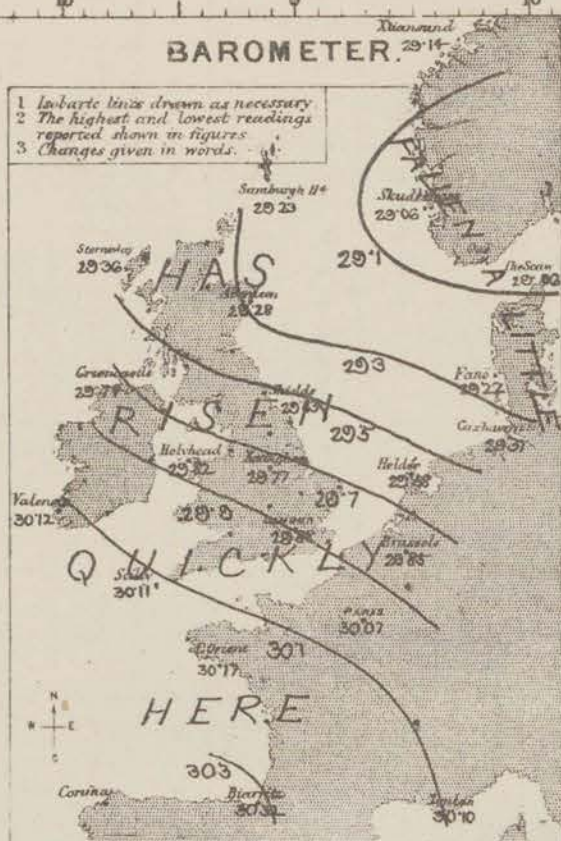
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

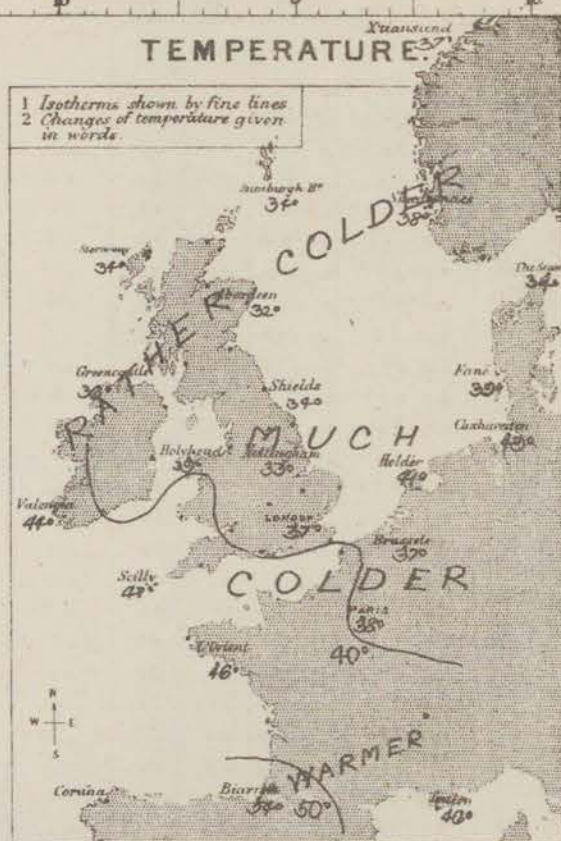
WEATHER CHARTS

AND REMARKS FOR

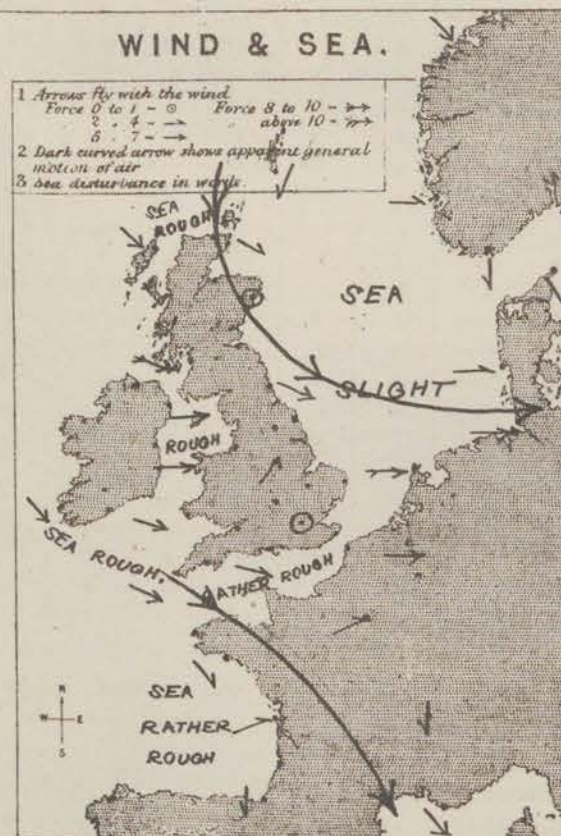
MONDAY 7TH DECEMBER 1874 AT 8 A.M.



During yesterday a small depression passed over us from the N. and has now reached the eastern shores of the North Sea. A very brisk recovery has since taken place in the United Kingdom, amounting to more than half an inch on our south-west coasts, and the gradient from Scilly to Scarborough is 0.07 in per 50 miles, for NW winds.



Temperature has fallen considerably at all stations, especially in the east and south of England.



The wind blew a moderate gale from the NW over the greater part of England yesterday, and a strong N. gale is reported from Andromeda. Fresh NW breeze now prevails at our western stations and moderate NW winds in the east, but in the Netherlands a W. gale prevails locally. The sea is rough in the north-west, west and south.



Rain has fallen very generally, snow in the north. The sky is still very cloudy in the north-west, moderately clear elsewhere.

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

Meteorological Office
116, Victoria Str^{et}. Westminster. S.W.
ROBERT H. SCOTT, Director.

Dunsterfield, Lith. London

Tues-day 8 a.m.

WEATHER REPORT.

Dec 8th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Direc.	Force. (0 to 12.)	Force. (0 to 12.)	Direc.				
Haparanda ...	28.82	- .18	26	26	+5	*	*	NN	4	2	SW	*	o	*	*
Hernösand ...	29.19	+ .22	26	24	-1	*	*	NN	2	0	Z	*	b	*	*
Stockholm ...	29.41	+ .53	23	22	-9	*	*	NNN	2	4	N	*	b	*	*
Wisby ...						*	*					*		*	*
Christiansund ...	29.18	+ .04	31	30	-6	*	*	SW	7	6	NNN	*	as	*	6
Skudesnaes ...	29.43	+ .37	34	32	-4	*	*	NNN	7	4	NN	*	bor	*	4
Oxö (X'tiansand) ...	29.41	+ .34	32	31	+2	*	*	NN	2	4	NNN	*	as	*	2
Skagen (The Skaw) ...	29.46	+ .40	34	33	0	*	*	S	2	3	NE	*	b	-	*
Fanö ...	29.56	+ .34	33	32	-6	*	*	N	2	2	N	*	rh	?	*
Cuxhaven ...	29.58	+ .21	38	38	-11	?	33	NNN	6	7	N	8	rh	0.12	*
Sumburgh Head ...	29.41	+ .18	33	32	-1	39	28	N	6	6	NNE	7	sp	0.18	4
Stornoway (Hebrides) ...	29.46	+ .10	31	29	-3	46	27	NN	1	6	NN	8	hw	0.17	5
Thurso ...	29.51	+ .21	29	28	-4	40	29	SSW	1	5	N	8	ws	0.10	2
Wick ...	29.50	+ .17	30	28	+2	34	26	N	2	6	NN	8	o	0.06	0
Nairn ...	29.53	+ .11	28	28	-4	37	28	Z	0	2	N	8	o	-	1
Aberdeen ...	29.59	+ .31	30	28	-2	39	29	SW	1	6	NN	9	gm	-	1
Leith ...	29.57	+ .13	33	32	-1	41	28	SE	3	5	N	10	bor	0.03	*
Shields ...	29.67	+ .14	35	34	+1	38	32	SSW	2	8	NNN	9	af	-	1
York ...	?	?	35	34	+1	39	32	SW	1	4	N	10	ar	0.04	*
Scarborough ...	29.69	+ .09	35	34	+2	39	31	SSW	3	6	NNN	10	ed	-	3
Nottingham ...	29.71	+ .06	37	37	+4	38	32	S	3	6	NNN	10	slr	0.20	*
Ardrossan ...	29.49	+ .04	38	37	-2	45	37	ESE	3	9	NNN	10	phr	0.05	3
Greencastle ...	29.31	+ .43	38	37	+2	39	36	ESE	6	7	NNN	10	r	0.38	*
Donaghadee ...	29.35	+ .34	40	40	+7	41	33	S	5	6	SW	10	er	0.36	4
Kingstown ...	29.35	+ .53	45	44	+8	46	36	SSE	4	5	N	10	er	0.15	3
Holyhead ...	29.47	+ .35	46	45	+7	46	38	SSW	4	8	N	10	rdw	0.33	3
Liverpool (Bidston Obs.) ...	29.61	+ .12	39	38	0	42	36	SE	3	8	N	10	or	0.16	3
Valencia ...	29.22	+ .90	53	53	+9	54	43	SW	6	7	N	7	p	0.79	6
Roche's Point ...	29.28	+ .75	50	50	+10	50	40	SSW	11	8	SSW	10	br	0.62	6
Pembroke ...	29.56	+ .38	49	49	+4	49	41	S	8	8	S	10	or	0.40	7
Portishead ...	29.71	+ .23	44	44	+6	46	36	SW	4	6	NNN	10	ow	0.06	3
Scilly ...	29.68	+ .43	52	51	+5	52	45	SSW	7	7	SSW	9	co	0.15	6
Plymouth ...	29.78	+ .27	48	48	+8	50	40	SW	6	7	SW	10	gr	0.13	*
Hurst Castle ...	29.83	+ .14	49	47	+9	49	39	NNN	5	6	NN	10	gr	0.02	4
Dover ...	29.91	+ .05	40	39	+3	42	35	NNN	3	5	NNN	5	bw	-	2
London ...	29.86	+ .02	40	38	+3	45	35	S	2	3	N	10	bo	-	*
Oxford ...	29.80	+ .09	39	38	+4	43	35	S	1	4	N	10	bm	-	*
Cambridge ...	29.82	+ .02	36	35	0	41	32	S	1	3	N	10	at	0.01	*
Yarmouth ...	29.84	+ .12	34	34	-1	39	32	NNN	2	6	N	8	blm	-	3
Helder ...	29.85	+ .27	42	*	+1	*	*	N	7	*	*	*	*	*	5
Cape Gris Nez ...	29.91	+ .07	46	44	+5	?	40	SSW	1	8	NN	10	co	-	1
Brest ...	30.02	+ .23	51	49	+3	55	45	SW	?	7	SW	10	o	0.04	5
L'Orient ...	30.03	+ .14	49	47	+3	51	46	N	7	7	NN	9	ro	-	6
Rochefort ...	30.21	+ .04	49	47	+3	56	43	NNN	5	7	NN	10	er	0.16	3
Biarritz ...	30.33	+ .01	46	42	-8	54	44	S	4	5	NN	3	ro	0.16	5
Corunna ...				*		*	*			*	*	*		*	*
Brussels ...	29.98	+ .13	37	*	0	*	*	NNN	1	*	*	*	o	*	*
Charleville ...	30.10		37	*		*	*	SSW	1	*	*	*	o	*	*
Paris ...	30.12	+ .05	38	*	0	46	37	S	4	7	SW	7	oo	0.04	*
Lyons ...	?	?	44	*	-4	*	*	SW	3	*	*	*	f	*	*
Toulon ...	30.29	+ .19	42	40	-4	54	41	NN	5	7	NN	2	b	-	3

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

	Bar.	Dry.	Wet.	Wind.	O.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	O.	Wea.		
Skudesnaes ...	29.24	35	33	N	4	*	0	4	Valencia ...	30.15	44	41	NNN	4	6	5
Thurso ...	29.44	35	34	NNN	2	7	9	2	Scilly ...	30.20	49	45	NNN	6	5	6
Scarborough...	29.60	39	36	NNN	6	5	0	5	London ...	29.94	42	39	N	2	4	3
Greencastle ...	29.86	39	36	NNN	5	8	0	*	Rochefort...	30.31	50	45	NNN	5	5	
Holyhead ...	29.91	40	39	NNN	7	5	0	6								

The barometer has again risen in most places but the change has not been regular and at Valencia a fall seems to have set in since noon. Fresh to strong N.W. winds prevail very generally with dull weather in the N.W. but fine weather elsewhere.

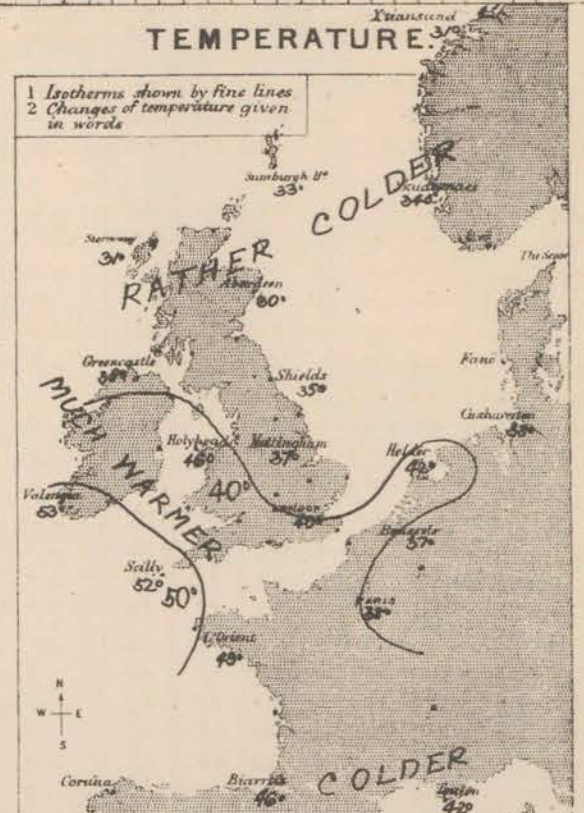
EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

TUESDAY 8TH DECEMBER 1874 AT 8 A.M.



Temperature has risen at all but the northern stations, most on our south west coasts.



A S. gale has set in at the mouth of St. George Channel during the night, and moderate breezes from SW prevail on our south coast, driving into S. all our eastern stations and SE. in the north-west. In the west of France the wind is strong from W. The sea is rough off our south-west coasts, rather so in the Bay of Biscay, moderate to smooth elsewhere.

Rain has set in over the greater part of the United Kingdom. The weather is very unsettled generally.

Warnings issued to all but our north coasts.

Meteorological Office
116, Victoria Str.^t, Westminster, S.W.
ROBERT H. SCOTT, Director

Wednesday 8 a.m.

WEATHER REPORT.

Dec 9th

1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dir.	Force. (0 to 12.)	Force. (0 to 12.)					Dir.
Haparanda ...						*	*					*		*	*
Hernösand ...						*	*					*		*	*
Stockholm ...						*	*					*		*	*
Wisby ...						*	*					*		*	*
Christiansund ...	29.91	+ .73	36	34	+5	*	*	WN	6	8	SSW	*	oc	*	6
Skudesnaes ...						*	*					*		*	*
Oxö (X'tiansand)						*	*					*		*	*
Skagen (The Skaw)						*	*					*		*	*
Fanö ...						*	*					*		*	*
Cuxhaven ...	28.74f	- .84	46	46	+8	?	35	SW	5	5	SSW	8	ro	0.40	*
Samburgh Head															
Stornoway (Hebrides.)															
Thurso ...	29.32r	- .19	38	35	+9	40	28	NE	4	4	ENE	7	2	0.05	3
Wick ...	29.40r	- .10	35	33	+5	37	27	N	3	5	WN	5	oc	0.06	2
Nairn ...	29.35r	- .20	35	34	+7	38	28	WNW	1	1	E	9	o	-	1
Aberdeen ...	29.26r	- .33	34	33	+4	40	30	WNW	3	7	E	6	osc	-	6
Leith ...	29.30r	- .27	36	35	+3	43	32	N	4	9	E	4	re	0.39	*
Shields ...	29.15r	- .52	40	40	+5	43	34	NE	7	8	SE	8	rmo	0.83	7
York ...	29.07r	- .63	39	36	+4	48	35	N	3	4	N	5	re	0.63	*
Scarborough ...	29.06r	- .63	40	38	+5	46	35	N	8	10	N	10	ro	0.70	7
Nottingham ...	29.05r	- .66	38	38	+1	52	36	N	6	7	S	10	r	0.31	*
Ardrossan ...	29.36r	- .13	36	32	-2	39	34	WNW	2	6	WNW	5	ro	0.97	1
Greencastle ...	29.43r	+ .12	37	36	-1	42	36	NNE	3	6	ESE	8	ro	0.79	*
Donaghadee ...	29.35r	00	40	37	0	47	39	WNW	5	8	N	7	ro	1.07	5
Kingstown ...	29.43r	+ .08	38	36	-7	52	38	WNW	4	4	SSE	10	ro	0.31	3
Holyhead ...	29.30r	- .17	42	38	-4	52	41	WNW	9	7	SSW	5	ro	0.73	6
Liverpool (Bidston Obs.)	29.21r	- .40	39	35	0	51	38	WNW	5	7	WNW	6	oc	0.22	4
Valencia ...	29.64r	+ .42	44	42	-9	54	43	WNW	7	11	WN	7	mp	0.03	7
Roche's Point ...	29.49r	+ .21	42	42	-8	52	41	WN	6	9	WN	10	rgf	0.42	5
Pembroke ...	29.34r	- .22	44	40	-5	52	39	N	7	10	WSW	10	mgf	1.16	5
Portishead ...	29.12r	- .59	41	39	-3	52	39	WNW	8	9	WSW	10	qfw	1.08	7
Scilly ...	29.43r	- .25	47	45	-5	54	45	WN	9	11	WN	8	q	0.24	7
Plymouth ...	29.27r	- .51	43	41	-5	54	41	WNW	6	10	N	10	qfw	0.42	*
Hurst Castle ...	28.99f	- .84	41	40	-2	53	40	WNW	8	10	WNW	10	rg	0.63	7
Dover ...	28.77f	- 1.14	45	44	+5	51	40	N	4	7	SW	10	dwo	0.64	5
London ...	28.87f	- .99	42	40	+2	54	40	WN	6	9	WSW	10	rgf	0.48	*
Oxford ...	29.00	- .80	40	38	+1	52	39	WN	6	8	SW	10	rd	0.61	*
Cambridge ...	28.83f	- .99	41	39	+5	51	34	N	6	4	SW	10	ro	0.41	*
Yarmouth ...	28.69f	- 1.15	42	42	+8	48	34	WNW	5	7	SSW	10	ro	0.31	5
Helder ...	28.59	- 1.26	45	*	+3	*	*	S	7	*	*	*	*	*	5
Cape Gris Nez ...	28.73f	- 1.18	47	47	+1	50	44	N	9	11	SSW	10	r	0.98	7
Brest ...	29.47r	- .55	48	46	-3	56	43	WN	8	8	WN	6	o	0.59	7
L'Orient ...	29.41f	- .62	50	46	+1	55	44	WN	9	9	WSW	7	r	0.47	7
Rochefort ...	29.56f	- .65	46	44	-3	56	44	WN	12	11	WSW	10	r	0.43	7
Biarritz ...	29.64f	- .69	53	51	+7	53	49	N	9	4	SW	10	cr	0.16	6
Corunna ...						*	*				*	*	*	*	*
Brussels ...	28.74	- 1.24	45	*	+8	*	*	SW	?	*	*	*	r	*	*
Charleville ...	? 29.06	- 1.04	47	*	+10	*	*	SW	9	*	*	*	o	*	*
Paris ...	29.09f	- 1.03	47	*	+9	51	38	SW	9	11	SW	9	ro	0.08	*
Lyons ...	?	?	45	*	+1	*	*	SE	4	*	*	*	c	*	*
Toulon ...	29.88f	- .41	47	45	+5	51	38	N	3	5	WN	6	bo	-	4

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		
Skudesnaes ...	29.34	36	33	W	4	*	c	4	Valencia ...	29.01	50	49	WNW	0	9	mgf	8
Thurso ...	29.36	30	28	Z	0	9	c	2	Scilly ...	29.32	54	53	SW	9	9	r	7
Scarborough...	29.17	39	39	SSE	6	10	r	5	London ...	29.41	48	47	S	5	10	oxy	*
Greencastle ...	28.88	42	41	ENE	5	10	r	*	Rochefort...	30.05	53	48	WSW	8	10	on	5
Holyhead ...	29.07	51	51	SSW	6	10	rma	5									

Pressure is decreasing with extreme rapidity everywhere. The wind has already veered to WNW at Valencia where it is blowing a gale, while fresh NE winds prevail in the N. of Ireland, a strong SW gale at Scilly and strong S winds in the E. of England.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

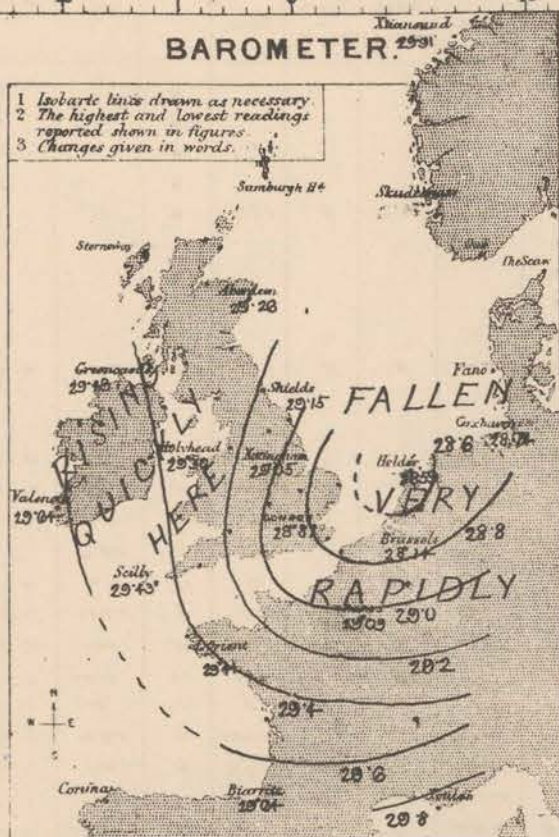
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

WEATHER CHARTS AND REMARKS FOR WEDNESDAY 9TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

- 1 Isobars lines drawn as necessary.
- 2 The highest and lowest readings reported shown in figures.
- 3 Changes given in words.



The atmospheric disturbance noticed over Ireland yesterday proved to be very serious and during the night its centre has passed over England in an ESE^{ly} direction and now lies close to the Dutch coast. The fall of the barometer has exceeded an inch and a quarter at the Helder, and the recovery now in progress over the British Isles is also extremely rapid. The gradient from Pembroke to Lymington is 0.13 ins. per 50 miles, for N^W winds.

TEMPERATURE.

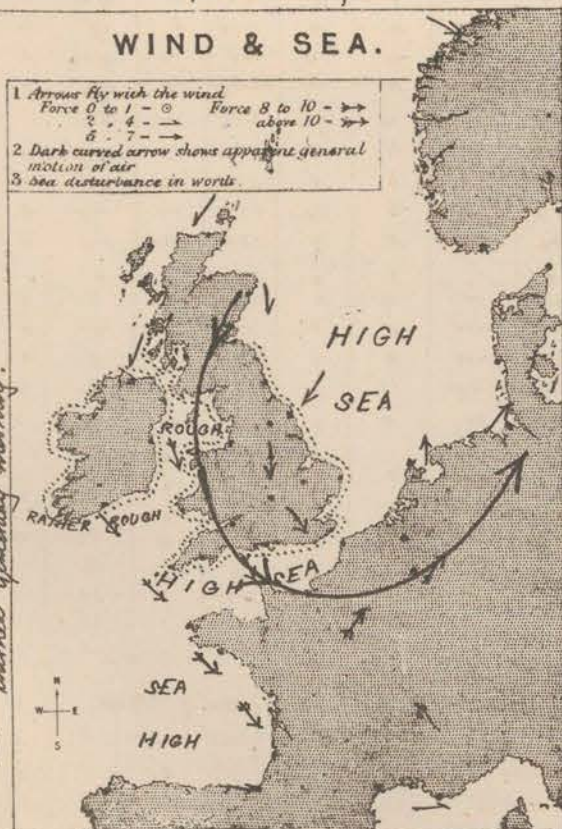
- 1 Isotherms shown by fine lines.
- 2 Changes of temperature given in words.



Temperature has now decreased considerably except in the east, where, however, it is now falling.

WIND & SEA.

- 1 Arrows fly with the wind. Force 0 to 1 - ○ Force 8 to 10 - → Force 11 to 12 - >>>
- 2 Dark curved arrow shows apparent general motion of air.
- 3 Sea disturbance in words.



Note: A dotted line is drawn round those coasts which were warmer yesterday morning.

The wind, after blowing a hard gale from the SW^{ly} and W^{ly} in the south, and a fresh gale from more quarters in the north-east and north-west, has moved to the N^{ly} generally, and blows a strong breeze or fresh gale over England, while a S^{ly} gale prevails at the Helder. In the north the winds are moderate.

The sea is high on our south-west, south and east coasts.

CLOUD, RAIN &c.

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



Rain has fallen very generally, heavy snow in Scotland, and hail at Pembroke. The sky is still overcast in the south-west and south, and the weather is very unsettled.

All but our northern coasts were warmed yesterday morning.

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

Meteorological Office
116, Victoria Str^t, Westminster, S.W.
ROBERT H. SCOTT, Director.

Thurs-day 8 a.m.

WEATHER REPORT.

December 10th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dir.	Force. (0 to 12.)	Force. (0 to 12.)					Dir.
Haparanda ...	29.22		25	24		*	*	NE	2	4	SE	*	0	*	*
Hernösand ...	29.19		-9	-9		*	*	N	2	0	Z	*	6	*	*
Stockholm ...	30.00		26	26		*	*	N	4	4	NNE	*	0	*	*
Wisby ...	28.90		36	35		*	*	NE	4	2	SN	*	27	*	*
Christiansund ...	29.16	-75	33	31	-3	*	*	NSW	8	8	NN	*	00	*	7
Skudesnaes ...	29.34		28	27		*	*	N	6	8	N	*	60	*	2
Oxö (Christiansand)	29.25		28	26		*	*	NNN	4	4	NNN	*	6	*	2
Skagen (The Skaw)						*	*					*		*	*
Fanö ...						*	*					*		*	*
Cuxhaven ...	29.29 r +	55	46	46	0	?	31	NE	1	9	N	6	00	-	*
Stamburgh Head	29.44 f +	17	30	29	-3	33	26	N	6	6	N	7	5	0.04	6
Stornoway (Hebrides)	29.66 r +	25	29	28	-4	33	25	N	2	3	NNN	4	30	0.10	5
Thurso ...	29.59 r +	27	36	32	-2	40	31	NNN	4	5	N	6	20	0.25	4
Wick ...	29.62 r +	22	30	29	-5	35	26	N	2	3	N	4	30	0.09	1
Nairn ...	29.66 r +	31	30	28	-5	36	27	NNN	1	1	NE	0	68	0.03	2
Aberdeen ...	29.61 r +	35	30	29	-4	36	23	NN	2	6	NN	2	36	0.12	4
Leith ...	29.72 r +	42	27	26	-9	40	26	N	3	4	N	1	26	-	*
Shields ...	29.67 r +	52	29	28	-11	40	28	NN	3	7	N	2	6	-	3
York ...	29.69 r +	62	27	25	-12	39	27	NNN	1	3	N	0	6	-	*
Scarborough ...	29.69 r +	63	30	29	-10	41	29	N	1	8	N	1	36	0.05	3
Nottingham ...	29.75 r +	70	23	23	-15	42	23	SN	1	6	NN	1	67	0.01	*
Ardrossan ...	29.72 r +	36	26	26	-10	41	26	ESE	1	5	NN	2	27	-	1
Greencastle ...	29.74 r +	31	34	33	-3	39	33	SN	2	3	NNN	10	0	0.07	*
Donaghadee ...	29.69 r +	34	32	31	-8	44	31	SSE	3	6	SSE	5	0	-	2
Kingstown ...	29.77 r +	34	36	34	-2	42	35	N	2	5	?	8	0	-	1
Holyhead ...	29.70 r +	40	38	37	-4	45	37	SSW	1	9	NNN	7	67	-	2
Liverpool (Bidston Obs.)	29.72 r +	51	33	31	-6	39	31	NNE	1	6	NN	1	06	-	2
Valencia ...	29.68 f +	04	41	40	-3	51	40	S	4	8	NNN	9	30	0.24	4
Roche's Point ...	29.70 r +	21	40	39	-2	45	37	N	1	6	NN	9	30	0.18	3
Pembroke ...	29.72 r +	38	38	36	-6	44	37	NNN	1	7	N	4	30	0.04	3
Portishead ...	29.71 r +	59	35	34	-6	43	32	N	3	8	NNN	7	00	-	2
Scilly ...	29.77 r +	34	45	43	-2	48	42	Z	0	9	NN	8	99	0.11	6
Plymouth ...	29.75 r +	48	36	35	-7	46	35	Z	0	6	NNN	7	97	0.06	*
Hurst Castle ...	29.74 r +	75	34	33	-7	42	32	NE	1	8	NNN	2	96	-	3
Dover ...	29.70 r +	93	33	31	-12	47	31	NNN	4	6	NNE	1	96	-	2
London ...	29.73 r +	86	27	26	-15	43	26	Z	0	8	NN	0	96	-	*
Oxford ...	29.73 +	73	27	26	-13	40	27	Z	0	6	NN	10	27	-	*
Cambridge ...	29.74 r +	91	27	27	-14	42	27	N	1	7	NNN	0	36	-	*
Yarmouth ...	29.65 r +	96	31	31	-11	42	30	NNN	2	8	N	10	49	0.09	5
Helder ...	29.52 +	93	41	*	-4	*	*	NNN	7	*	*	*	*	*	5
Cape Gris Nez ...	29.67 r +	94	36	34	-11	48	36	NN	3	9	N	5	30	0.04	2
Brest ...	29.81 r +	34	48	48	0	54	40	NNN	4	8	NN	10	30	0.28	4
L'Orient ...	29.76 r +	35	45	43	-5	55	41	NN	4	7	NSW	8	30	0.08	4
Rochefort ...	29.80 r +	24	45	41	-1	55	40	NNE	4	12	NN	4	00	0.12	3
Biarritz ...	29.92 f +	28	50	48	-3	53	41	NNN	7	9	N	9	5	0.51	6
Corunna ...						*	*					*		*	*
Brussels ...	29.68 +	94	37	*	-8	*	*	NSW	3	*	*	*	0	*	*
Charleville ...	? 29.70 +	64	36	*	-11	*	*	SN	3	*	*	*	0	*	*
Paris ...	29.75 r +	66	33	*	-14	41	33	N	?	9	?NSW	2	30	0.04	*
Lyons ...	?	?	45	*	0	*	*	NN	3	*	*	*	0	*	*
Toulon ...						*	*					*		*	*

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		
Skudesnaes ...	29.10	31	29	N	2	*	6	2	Valencia ...	29.71	44	41	NNN	7	7	ph	7
Thurso ...	29.40	37	33	N	5	6	0	4	Scilly ...	29.62	47	46	NN	8	7	g	7
Scarborough...	29.28	39	37	NNN	5	8	0	6	London ...	29.30	43	38	NNN	6	10	rgo	8
Greencastle ...	29.56	39	38	NNE	2	6	0	*	Rochefort...	29.62	49	45	NN	12	10	+	
Holyhead ...	29.48	43	34	NNN	5	6	0	5									

The barometer continues to rise generally rapidly in the SE, while at our SW stations the change since 8 a.m. has been very slight. The NW gale still holds at the mouth of the Channel and in the Bay of Biscay with a high sea - elsewhere the wind is subsiding.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

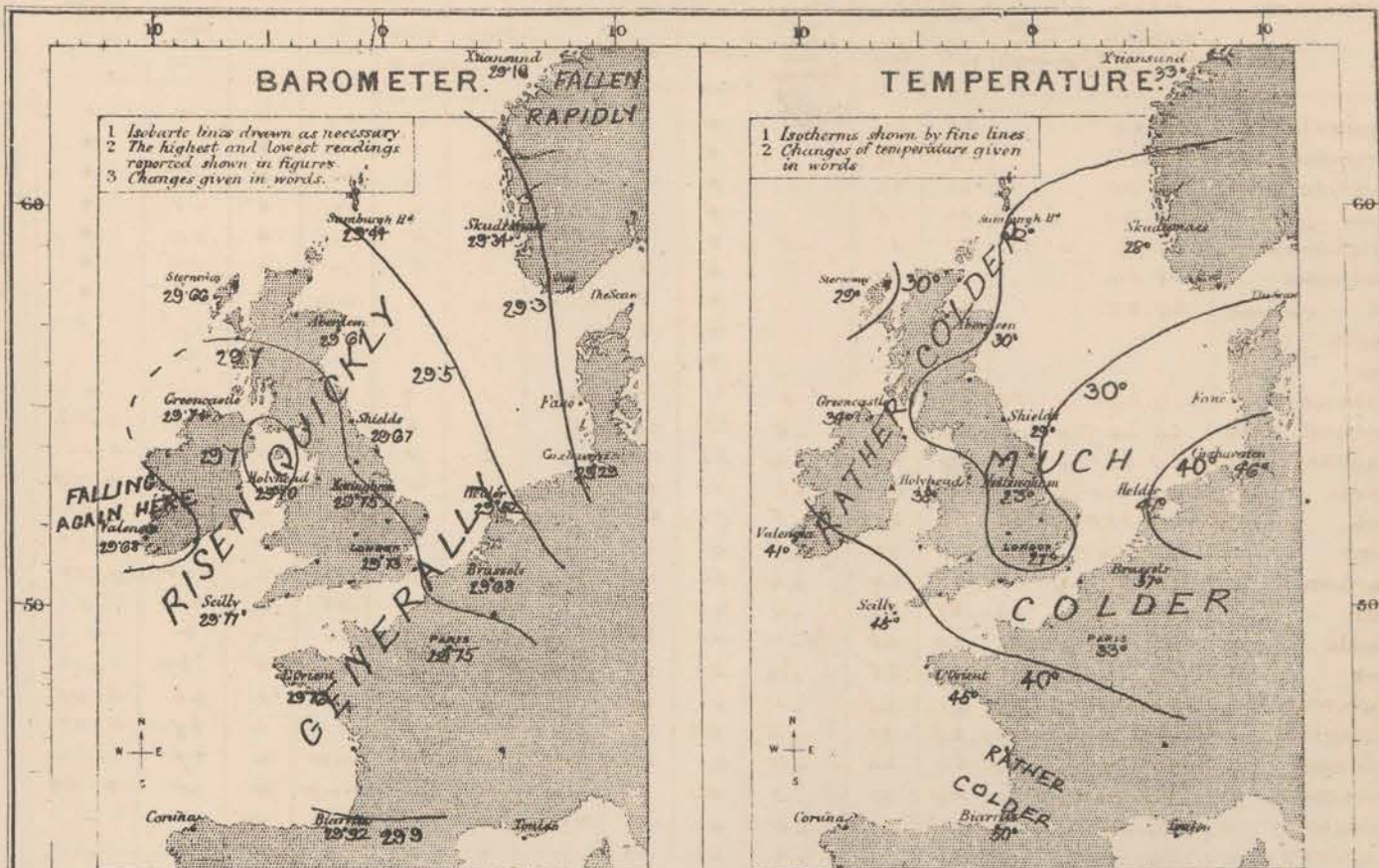
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

WEATHER CHARTS

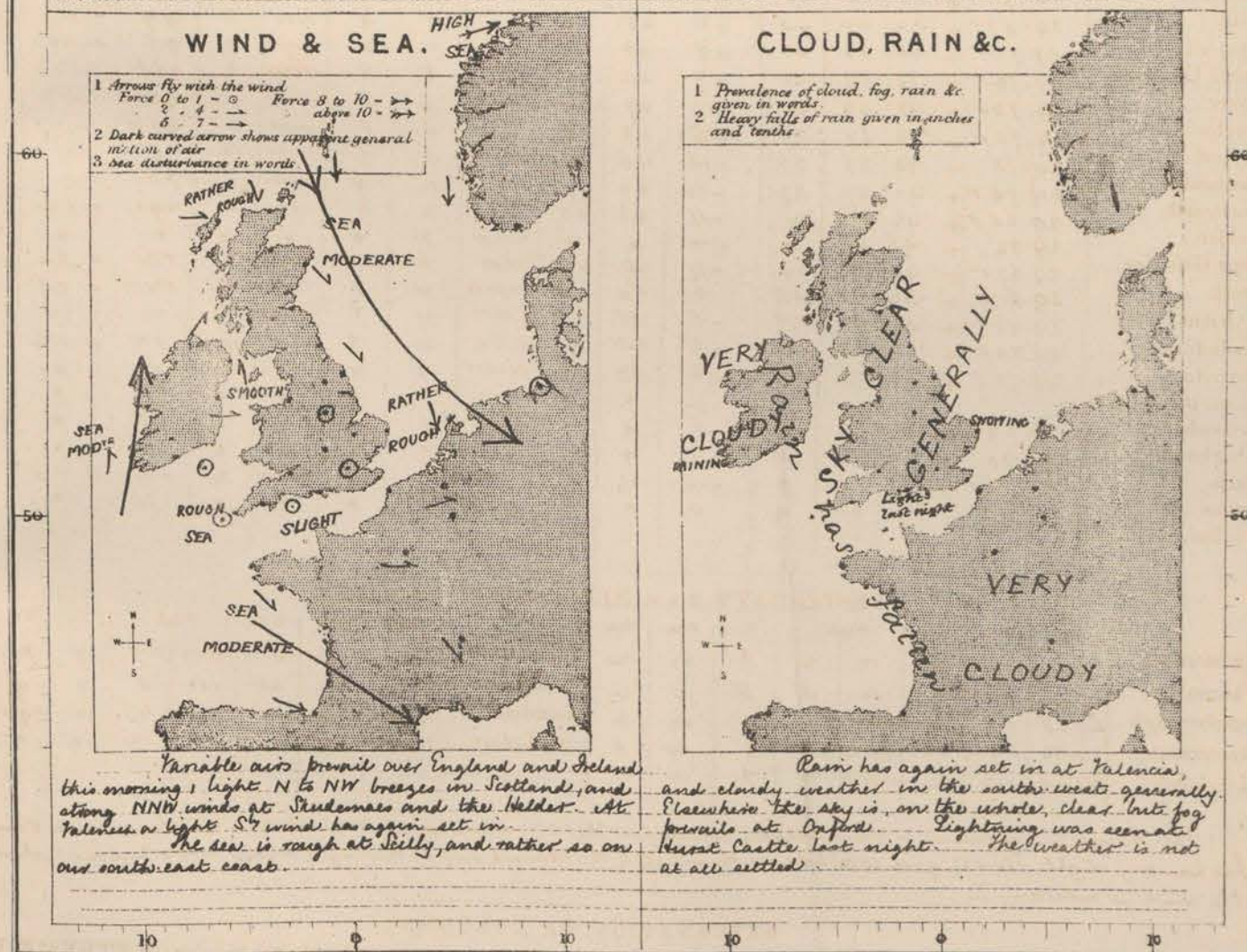
AND REMARKS FOR

THURSDAY 10TH DECEMBER 1874 AT 8 A.M.



A very considerable rise of the barometer has taken place over the British Isles and their neighbourhood, varying from 0.9 in at the Helles to only a few hundredths at Valencia where in fact a fresh and rather brisk fall has commenced in the night. Readings are very uniform over our Islands but from Shields to Oporto there is still a gradient of 0.06 in for 50 miles, for NW winds.

Temperature has fallen very rapidly over England and the north east of France. Over Central England a sharp frost prevails this morning.



Variable air prevails over England and Ireland this morning; light N to NW breezes in Scotland, and strong NNE winds at Staden and the Helles. At Valencia a light SE wind has again set in. The sea is rough at Scilly, and rather so on our south-east coast.

Rain has again set in at Valencia, and cloudy weather in the south-west generally. Elsewhere the sky is, on the whole, clear but fog prevails at Oxford. Lightning was seen at Hurst Castle last night. The weather is not at all settled.

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 Str., Westminster, S.W.
ROBERT H. SCOTT, Director.

Dangerfield, Lath, 22 Bedford St., Covent Garden

Fri-day 8 a.m.

WEATHER REPORT.

December 11th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. — In past 24 Hours.	Sea Disturb- ance. — 0 to 9.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Direc.	Force. (0 to 12.)	Force. (0 to 12.)	Direc.				
Haparanda ...						*	*					*		*	*
Hernösand ...						*	*					*		*	*
Stockholm ...						*	*					*		*	*
Wisby ...						*	*					*		*	*
Christiansund ...						*	*					*		*	*
Skudesnaes ...						*	*					*		*	*
Oxö (X'tiansand)						*	*					*		*	*
Skagen (The Skaw)	29.25	+ .22	32	30	— 4	*	*	NNE	2	4	NE	*	6	—	*
Fanö ...						*	*					*		*	*
Cuxhaven ...	29.47f	+ .18	33	33	— 13	?	28	SSW	4	2	NNW	9	so	—	*
Sumburgh Head ...	29.03f	— .41	38	38	+ 8	38	28	SE	5	5	N	7	cgf	—	6
Stornoway (Hebrides)	28.65f	— 1.01	36	35	+ 7	38	25	E	4	7	SE	?	od	0.15	?
Thurso ...	28.87f	— .72	36	32	0	38	32	SSE	4	5	SSE	9	og	—	3
Wick ...	28.85f	— .77	38	36	+ 8	38	24	SE	7	7	SE	10	ow	—	5
Nairn ...	28.74f	— .92	35	32	+ 5	35	27	SSE	5	5	NN	1	6	—	2
Aberdeen ...	28.89f	— .72	35	34	+ 5	37	26	SSE	8	8	SSE	10	bw	0.02	6
Leith ...	28.78f	— .94	34	33	+ 7	35	25	S	4	3	N	10	bo	0.00	*
Shields ...	28.86f	— .81	35	35	+ 6	35	28	S	6	6	S	8	bs	0.03	3
York ...	28.84f	— .85	33	33	+ 6	36	27	S	2	1	NNN	10	as	0.21	*
Scarborough ...	28.85f	— .84	35	35	+ 5	36	29	SSE	7	1	NNN	10	br	0.06	5
Nottingham ...	28.84f	— .91	36	35	+ 13	36	23	SE	2	6	SW	10	mst	0.24	*
Ardrossan ...	28.66f	— 1.06	34	32	+ 8	38	26	NE	2	3	ENE	8	so	0.07	4
Greencastle ...	28.60f	— 1.14	39	38	+ 5	40	34	SSE	4	7	SSE	10	o	0.12	*
Donaghadee ...	28.59f	— 1.10	39	38	+ 7	43	32	SSE	5	8	SSE	7	o	0.39	4
Kingstown ...	28.72f	— 1.05	43	41	+ 7	47	35	NNW	4	?	SSE	6	oc	0.49	3
Holyhead ...	28.74f	— .96	45	40	+ 7	47	36	SW	4	9	SSW	6	rlm	0.20	3
Liverpool (Bidston Obs.)	28.75f	— .97	35	34	+ 2	35	32	SE	2	6	ESE	9	so	0.11	2
Valencia ...	28.78f	— .90	48	46	+ 7	54	40	N	7	8	N	8	p	0.53	7
Roche's Point ...	28.78f	— .92	44	43	+ 4	45	40	N	5	9	SSE	7	go	0.60	5
Pembroke ...	28.84f	— .88	48	46	+ 10	51	38	N	8	10	S	10	ow	0.75	6
Portishead ...	28.87f	— .84	45	44	+ 10	45	35	NNW	5	8	SW	10	go	0.21	1
Scilly ...	29.08f	— .69	50	45	+ 5	53	43	N	10	10	N	9	og	0.90	7
Plymouth ...	29.00f	— .75	45	45	+ 9	52	36	NNW	5	6	SW	10	cf	0.56	*
Hurst Castle ...	28.94f	— .80	49	46	+ 15	50	32	N	6	8	SSW	5	rg	0.32	5
Dover ...	29.04f	— .66	40	39	+ 7	43	30	SW	7	3	NNN	10	bw	0.07	6
London ...	28.90f	— .83	41	40	+ 14	41	26	SW	3	6	S	6	fg	0.13	*
Oxford ...	28.86	— .87	39	39	+ 12	39	27	S	2	2	S	10	co	0.16	*
Cambridge ...	28.92f	— .82	34	34	+ 7	35	25	SE	2	1	NN	10	bw	0.18	*
Yarmouth ...	29.05f	— .60	34	34	+ 3	39	27	SSE	8	8	SSE	10	rs	0.28	6
Helder ...	29.32	— .20	33	*	— 8	*	*	SSE	5	*	*	*	*	*	2
Cape Gris Nez ...	29.08f	— .59	34	34	— 2	40	33	S	7	3	NNN	10	bs	0.02	5
Brest ...	29.27f	— .54	52	50	+ 4	52	44	N	7	8	N	6	ro	0.43	7
L'Orient ...	29.27f	— .49	53	51	+ 8	55	43	?	7	8	SW	5	ro	0.32	6
Rochefort ...	29.45f	— .35	53	52	+ 8	55	40	N	8	4	ENE	10	cr	0.24	3
Biarritz ...	29.73f	— .19	50	48	0	?	45	NNN	9	7	N	6	r	0.39	6
Corunna ...			*	*		*	*					*		*	*
Brussels ...	29.31	— .37	32	*	— 5	*	*	S	6	*	*	*	s	*	*
Charleville ...	? 29.49	— .21	32	*	— 4	*	*	S	3	*	*	*	o	*	*
Paris ...	29.23f	— .52	33	*	0	41	32	S	8	3	NNN	10	bs	0.08	*
Lyons ...	?	?	41	*	— 4	*	*	SE	0	*	*	*	o	*	*
Toulon ...	29.67r	+ .10	39	37	+ 1	44	36	NN	3	8	NN	0	cf	—	4

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

	Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.
Skudesnaes ...	29.41	29	28	NNW	2	*	6	2	Valencia ...	29.55	44	43	S	6	9
Thurso ...	29.56	35	32	NNW	2	4	c	3	Scilly ...	29.76	48	47	S	3	8
Scarborough ...	29.68	33	31	NNW	1	0	b	3	London ...	29.73	37	34	NNW	1	4
Greencastle ...	29.63	35	34	ESE	3	10	o	*	Rochefort ...	29.78	46	41	SW	3	10
Holyhead ...	29.71	40	38	E	2	5	c	1							

The mercury is falling in the N. and N. especially over Iceland where as well as at Saily the S. wind is freshening and at Valencia the sea is rising. At Greencastle and Rochefort the wind has "backed" a little. Drawings were issued to the N. and SW. coasts this morning.

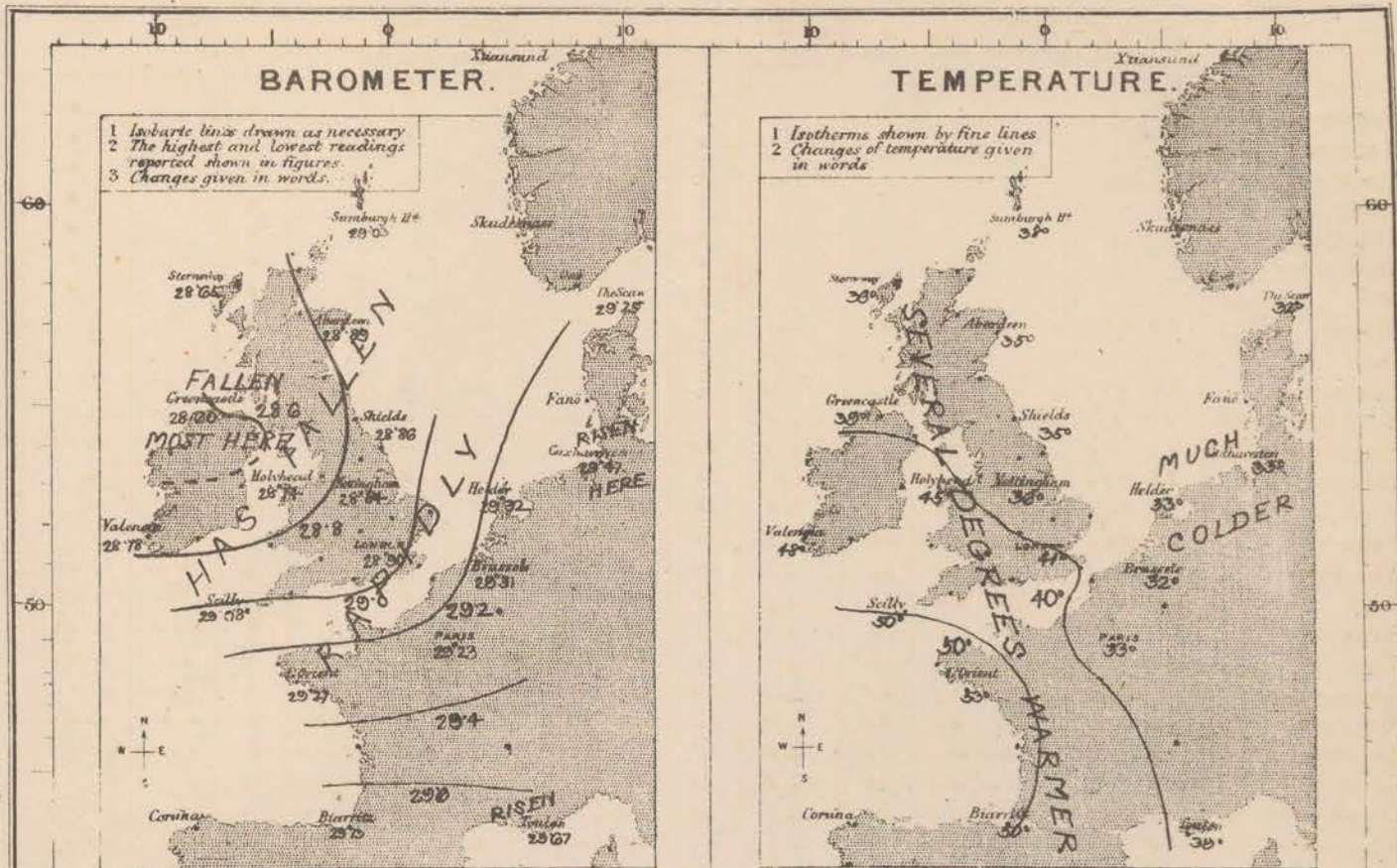
EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposition direction.

WEATHER CHARTS

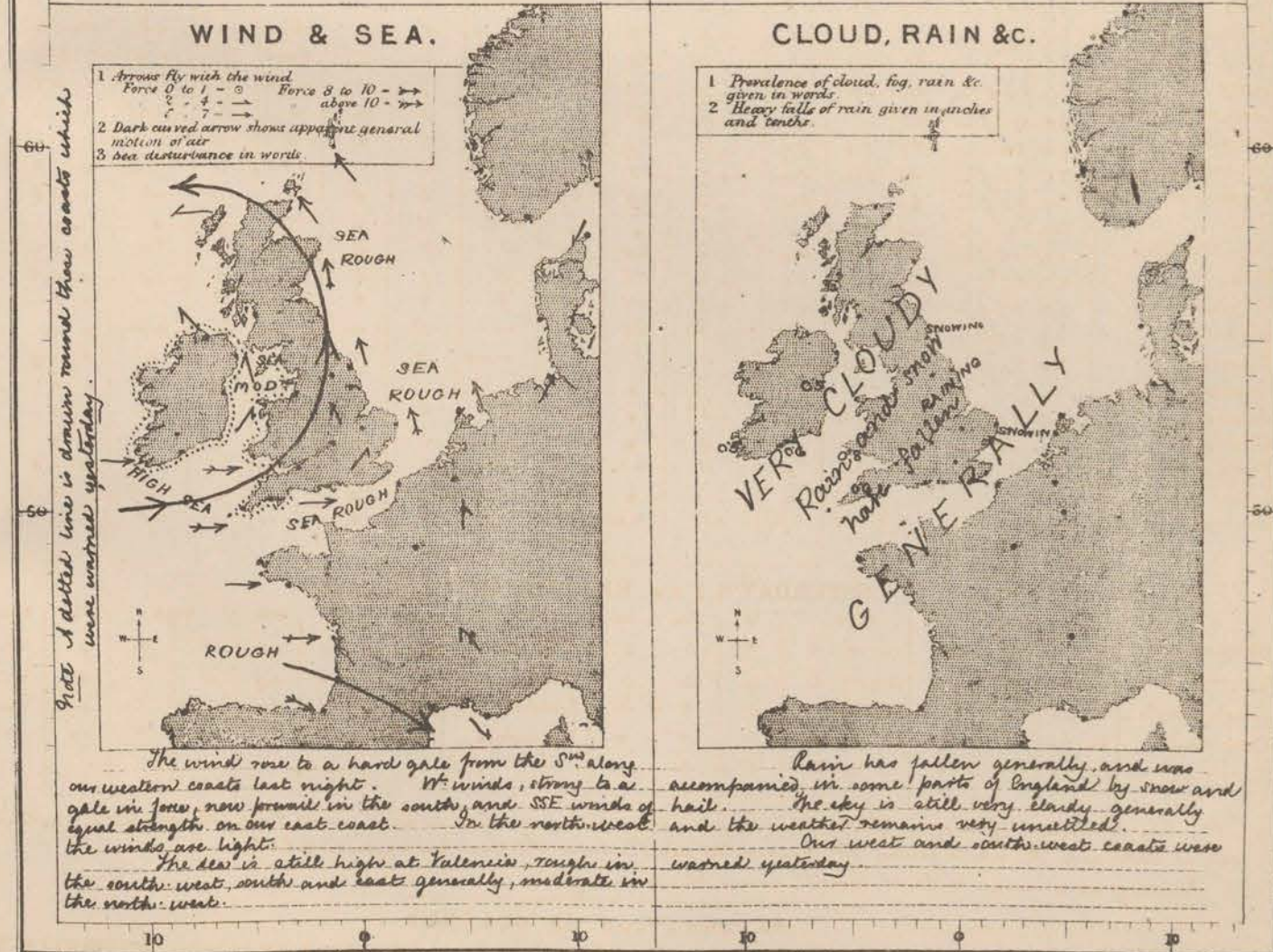
AND REMARKS FOR

FRIDAY 11TH DECEMBER 1874 AT 8 A.M.



The fall of the barometer noticed in the west yesterday became very rapid during the night and extended in a less degree over nearly the whole of Western Europe. Readings are now below 29 inches over the whole of the United Kingdom (excepting our extreme south-east coast), and from Paris to Plymouth there is a gradient of 0.09 in. per 50 miles, for W. winds.

Temperature has risen in all parts of our Islands and the west of France. Over the Central and south-eastern parts of England it became very low last evening, but has since risen very rapidly.



Note: A dotted line is drawn round the coasts which were watered yesterday.

The wind rose to a hard gale from the S.W. along our western coasts last night. W. winds, strong to a gale in force, now prevail in the south, and S.E. winds of equal strength on our east coast. In the north-west the winds are light. The sea is still high at Valencia, rough in the south-west, south and east generally, moderate in the north-west.

Rain has fallen generally, and was accompanied in some parts of England by snow and hail. The sky is still very cloudy generally and the weather remains very unsettled. Our west and south-west coasts were watered yesterday.

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

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

Printed at No. 22, Bedford St. Covent Garden

Satur-day 8 a.m.

WEATHER REPORT. December 12th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. — By Beaufort Scale.	Rainfall. — In past 24 Hours.	Sea Disturb- ance. — 0 to 9.	
	At 8 A.M. — Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extremes.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirce.	Force. (0 to 12.)	Force. (0 to 12.)					Dirce.
Haparanda ...	29.61	+ .32	13	13	-9	*	*	NE	2	2	NE	*	o	*	*
Hernösand ...	29.76	+ .39	14	14	+13	*	*	?	2	0	Z	*	fo	*	*
Stockholm ...	29.58	+ .17	14	14	0	*	*	NN	2	0	Z	*	f	*	*
Wisby ...	29.54	+ .04	24	23	-6	*	*	SE	2	2	SW	*	b	*	*
Christiansund ...	29.50	+ .21	33	32	0	*	*	SSW	4	2	ESE	*	c	*	4
Skudesnaes ...	29.47	+ .18	33	28	-2	*	*	ESE	6	6	ESE	*	bc	*	4
Oxö (X'tiansand) ...	29.43	+ .06	28	28	+7	*	*	NE	6	6	NE	*	cs	*	4
Skagen (The Skaw) ...						*	*					*		*	*
Fanö ...	29.19	- .22	31	31	+3	*	*	ESE	6	6	SE	*	o	—	*
Cuxhaven ...	29.06f	- .41	33	33	0	?	30	ESE	6	5	SE	7	so	—	*
Sumburgh Head ...	29.41r	+ .38	37	35	-1	39	29	E	5	5	E	9	o	—	5
Sornoway (Hebrides) ...	29.38r	+ .73	36	34	0	39	34	E	4	6	ESE	2	ob	0.01	6
Thurso ...	29.41r	+ .54	37	35	+1	39	35	ESE	2	5	ESE	7	rc	0.26	2
Wick ...	29.42r	+ .57	39	36	+1	40	35	E	5	8	SE	5	pc	0.17	7
Nairn ...	29.36r	+ .62	31	31	-4	37	31	Z	0	5	SSE	0	msr	0.03	2
Aberdeen ...	29.28r	+ .39	38	36	+3	40	35	ESE	6	8	SSE	6	rgl	0.18	7
Leith ...	29.24r	+ .46	40	39	+6	42	32	E	5	3	SE	9	so	0.17	*
Shields ...	29.09r	+ .23	38	38	+3	43	33	E	5	5	E	9	ost	0.05	5
York ...	28.99r	+ .15	37	37	+4	37	33	N	1	1	N	10	o	0.10	*
Scarborough ...	29.04r	+ .19	40	39	+5	41	34	ESE	5	6	SSE	10	r	0.44	5
Nottingham ...	29.01r	+ .17	37	36	+1	40	31	NN	2	3	SSW	10	m	0.06	*
Ardrossan ...	29.22r	+ .56	37	35	+3	38	34	NE	4	5	NE	5	so	0.10	2
Greencastle ...	29.30r	+ .70	39	38	0	41	37	NNE	3	4	SSE	10	qo	0.10	*
Donaghadee ...	29.21r	+ .62	41	39	+2	43	38	N	6	6	N	7	oc	0.15	5
Kingstown ...	29.23r	+ .51	41	39	-2	45	40	NNN	4	6	N	9	om	0.06	3
Holyhead ...	29.12r	+ .38	43	40	-2	47	42	NNN	4	6	NNN	6	pcg	0.06	4
Liverpool (Bidston Obs.) ...	29.04r	+ .29	39	38	+4	43	35	NNN	3	4	NNN	10	c	0.11	2
Valencia ...	29.51r	+ .73	45	43	-3	51	40	NN	9	11	NN	7	p	0.09	9
Roche's Point ...	29.31r	+ .53	44	44	0	46	42	NN	8	10	NN	10	qp	0.35	7
Pembroke ...	29.18r	+ .34	45	44	-3	49	40	NN	6	10	N	8	q	0.41	4
Portishead ...	29.04r	+ .17	43	41	-2	48	36	NN	5	6	NNN	10	qg	0.38	5
Scilly ...	29.27r	+ .19	50	49	0	57	30	NN	11	11	NN	7	qlw	0.38	8
Plymouth ...	29.13r	+ .10	45	43	0	52	43	NN	4	8	N	10	qg	0.10	*
Hurst Castle ...	29.01r	+ .07	44	41	-5	49	40	NN	4	10	N	10	qbg	0.08	5
Dover ...	28.85r	- .19	39	38	-1	48	38	NNN	5	5	N	10	bdg	0.15	3
London ...	28.95r	+ .05	39	38	-2	49	37	NN	3	5	N	10	bpo	0.11	*
Oxford ...	28.99r	+ .13	38	37	-1	46	36	NN	2	3	NN	10	rg	0.40	*
Cambridge ...	28.94r	+ .02	37	36	+3	43	33	NN	1	1	SW	10	rg	0.19	*
Yarmouth ...	28.06r	- .19	40	40	+6	42	34	N	4	8	S	10	ro	0.24	4
Helder ...	28.82	- .50	39	*	+6	*	*	ESE	7	*	*	*	*	*	2
Cape Gris Nez ...	28.88	- .20	42	40	+8	48	33	NNN	7	8	SSW	10	o	0.24	5
Brest ...															
L'Orient ...	29.26r	- .01	48	46	-5	50	41	NN	9	11	NNN	6	r	0.51	8
Rochefort ...															
Biarritz ...	29.67f	- .06	54	52	+4	57	46	*	?	9	N	9	tr	0.44	8
Corunna ...						*	*					*		*	*
Brussels ...	28.82	- .49	45	*	+13	*	*	NNN	3	*	*	*	rso	*	*
Charleville ...	28.93	- .56	40	*	+8	*	*	SSW	?	*	*	*	r	*	*
Paris ...	28.97f	- .26	43	*	+10	44	42	SW	5	8	N	10	r	0.51	*
Lyons ...	?	?	37	*	-4	*	*	S	3	*	*	*	c	*	*
Toulou ...	29.52f	- .15	44	42	+5	46	37	NN	5	4	NN	7	fo	0.20	6

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

	Bar.	Dry.	Wet.	Wind.	O.	Wen.	Sen.		Bar.	Dry.	Wet.	Wind.	O.	Wen.	Sen.
Skudesnaes ...	29.26	33	39	E	6	*	6	4	Valencia ...	28.81	49	46	NN	10	8
Thurso ...	28.88	37	36	ESE	5	10	sp	3	Scilly ...	28.92	51	48	N	11	6
Scarborough ...	28.67	35	35	SSE	2	10	o	4	London ...	28.77	48	45	SW	2	6
Greencastle ...	28.57	41	40	ESE	2	10	o	*	Rochefort ...	29.40	53	48	NNN	9	10
Holyhead ...	28.51	44	42	NNN	6	6	gw	5							

The barometer continues to fall except at Valencia and Thurso. At Holyhead the reading is as low as 28.5 in. I very severe N^W gales prevail at the mouth of the Channel with a high sea and N^W gales at Valencia and in the Bay of Biscay; but on our N^W, N, and NE coasts the winds are light from E. to S.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

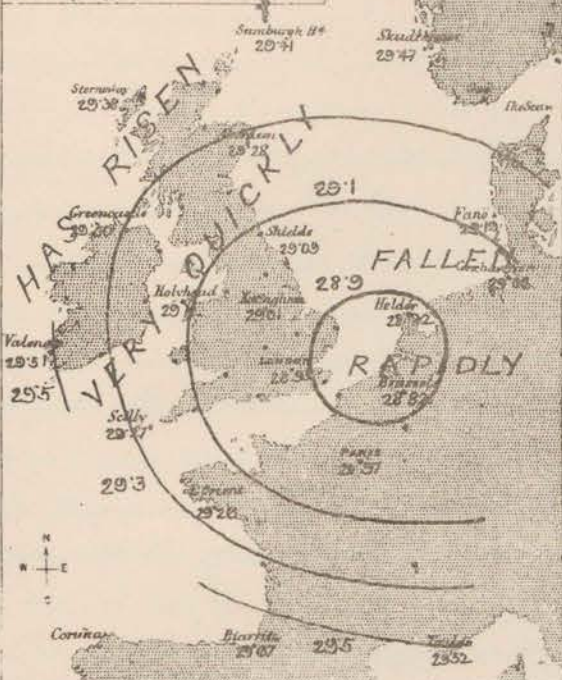
WEATHER CHARTS

AND REMARKS FOR

SATURDAY 12TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

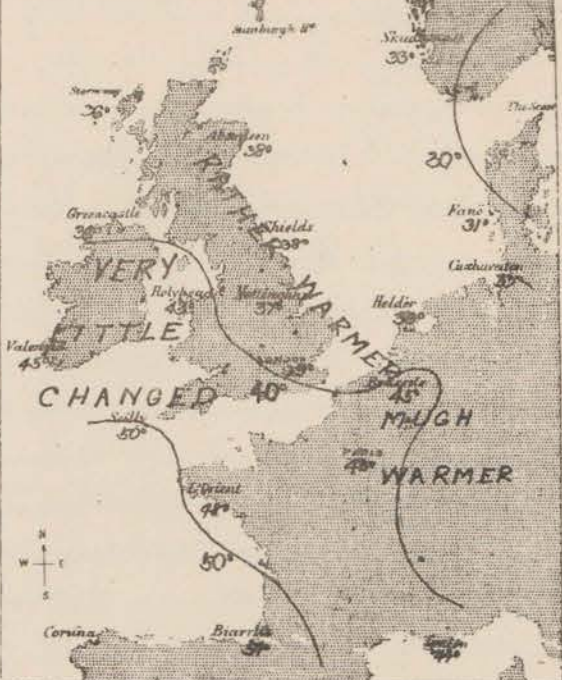
- 1 Isotherms lines drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words



The centre of the depression which lay over the north of Ireland yesterday has travelled ESE and now lies between our south-east coasts and the Netherlands. A rapid recovery of pressure has consequently set in over the United Kingdom, exceeding 0.7 in on our extreme west and north-west coasts. The gradients from Valencia to Dover, and from Aberdeen to Yarmouth are 0.07 in per 50 miles.

TEMPERATURE.

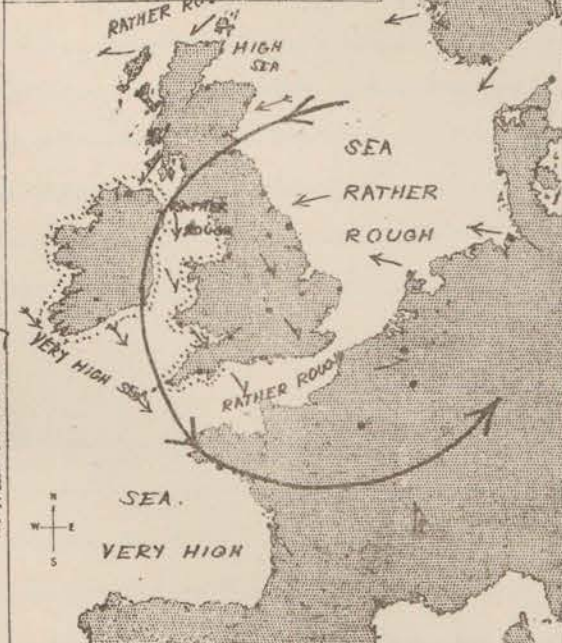
- 1 Isotherms shown by fine lines
- 2 Changes of temperature given in words



Temperature has risen a few degrees over the north of England as well as in Belgium and Holland. Elsewhere it has not changed much.

WIND & SEA.

- 1 Arrows fly with the wind. Force 0 to 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 31 - 32 - 33 - 34 - 35 - 36 - 37 - 38 - 39 - 40 - 41 - 42 - 43 - 44 - 45 - 46 - 47 - 48 - 49 - 50 - 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 - 59 - 60 - 61 - 62 - 63 - 64 - 65 - 66 - 67 - 68 - 69 - 70 - 71 - 72 - 73 - 74 - 75 - 76 - 77 - 78 - 79 - 80 - 81 - 82 - 83 - 84 - 85 - 86 - 87 - 88 - 89 - 90 - 91 - 92 - 93 - 94 - 95 - 96 - 97 - 98 - 99 - 100 - 101 - 102 - 103 - 104 - 105 - 106 - 107 - 108 - 109 - 110 - 111 - 112 - 113 - 114 - 115 - 116 - 117 - 118 - 119 - 120 - 121 - 122 - 123 - 124 - 125 - 126 - 127 - 128 - 129 - 130 - 131 - 132 - 133 - 134 - 135 - 136 - 137 - 138 - 139 - 140 - 141 - 142 - 143 - 144 - 145 - 146 - 147 - 148 - 149 - 150 - 151 - 152 - 153 - 154 - 155 - 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 - 180 - 181 - 182 - 183 - 184 - 185 - 186 - 187 - 188 - 189 - 190 - 191 - 192 - 193 - 194 - 195 - 196 - 197 - 198 - 199 - 200 - 201 - 202 - 203 - 204 - 205 - 206 - 207 - 208 - 209 - 210 - 211 - 212 - 213 - 214 - 215 - 216 - 217 - 218 - 219 - 220 - 221 - 222 - 223 - 224 - 225 - 226 - 227 - 228 - 229 - 230 - 231 - 232 - 233 - 234 - 235 - 236 - 237 - 238 - 239 - 240 - 241 - 242 - 243 - 244 - 245 - 246 - 247 - 248 - 249 - 250 - 251 - 252 - 253 - 254 - 255 - 256 - 257 - 258 - 259 - 260 - 261 - 262 - 263 - 264 - 265 - 266 - 267 - 268 - 269 - 270 - 271 - 272 - 273 - 274 - 275 - 276 - 277 - 278 - 279 - 280 - 281 - 282 - 283 - 284 - 285 - 286 - 287 - 288 - 289 - 290 - 291 - 292 - 293 - 294 - 295 - 296 - 297 - 298 - 299 - 300 - 301 - 302 - 303 - 304 - 305 - 306 - 307 - 308 - 309 - 310 - 311 - 312 - 313 - 314 - 315 - 316 - 317 - 318 - 319 - 320 - 321 - 322 - 323 - 324 - 325 - 326 - 327 - 328 - 329 - 330 - 331 - 332 - 333 - 334 - 335 - 336 - 337 - 338 - 339 - 340 - 341 - 342 - 343 - 344 - 345 - 346 - 347 - 348 - 349 - 350 - 351 - 352 - 353 - 354 - 355 - 356 - 357 - 358 - 359 - 360 - 361 - 362 - 363 - 364 - 365 - 366 - 367 - 368 - 369 - 370 - 371 - 372 - 373 - 374 - 375 - 376 - 377 - 378 - 379 - 380 - 381 - 382 - 383 - 384 - 385 - 386 - 387 - 388 - 389 - 390 - 391 - 392 - 393 - 394 - 395 - 396 - 397 - 398 - 399 - 400 - 401 - 402 - 403 - 404 - 405 - 406 - 407 - 408 - 409 - 410 - 411 - 412 - 413 - 414 - 415 - 416 - 417 - 418 - 419 - 420 - 421 - 422 - 423 - 424 - 425 - 426 - 427 - 428 - 429 - 430 - 431 - 432 - 433 - 434 - 435 - 436 - 437 - 438 - 439 - 440 - 441 - 442 - 443 - 444 - 445 - 446 - 447 - 448 - 449 - 450 - 451 - 452 - 453 - 454 - 455 - 456 - 457 - 458 - 459 - 460 - 461 - 462 - 463 - 464 - 465 - 466 - 467 - 468 - 469 - 470 - 471 - 472 - 473 - 474 - 475 - 476 - 477 - 478 - 479 - 480 - 481 - 482 - 483 - 484 - 485 - 486 - 487 - 488 - 489 - 490 - 491 - 492 - 493 - 494 - 495 - 496 - 497 - 498 - 499 - 500 - 501 - 502 - 503 - 504 - 505 - 506 - 507 - 508 - 509 - 510 - 511 - 512 - 513 - 514 - 515 - 516 - 517 - 518 - 519 - 520 - 521 - 522 - 523 - 524 - 525 - 526 - 527 - 528 - 529 - 530 - 531 - 532 - 533 - 534 - 535 - 536 - 537 - 538 - 539 - 540 - 541 - 542 - 543 - 544 - 545 - 546 - 547 - 548 - 549 - 550 - 551 - 552 - 553 - 554 - 555 - 556 - 557 - 558 - 559 - 560 - 561 - 562 - 563 - 564 - 565 - 566 - 567 - 568 - 569 - 570 - 571 - 572 - 573 - 574 - 575 - 576 - 577 - 578 - 579 - 580 - 581 - 582 - 583 - 584 - 585 - 586 - 587 - 588 - 589 - 590 - 591 - 592 - 593 - 594 - 595 - 596 - 597 - 598 - 599 - 600 - 601 - 602 - 603 - 604 - 605 - 606 - 607 - 608 - 609 - 610 - 611 - 612 - 613 - 614 - 615 - 616 - 617 - 618 - 619 - 620 - 621 - 622 - 623 - 624 - 625 - 626 - 627 - 628 - 629 - 630 - 631 - 632 - 633 - 634 - 635 - 636 - 637 - 638 - 639 - 640 - 641 - 642 - 643 - 644 - 645 - 646 - 647 - 648 - 649 - 650 - 651 - 652 - 653 - 654 - 655 - 656 - 657 - 658 - 659 - 660 - 661 - 662 - 663 - 664 - 665 - 666 - 667 - 668 - 669 - 670 - 671 - 672 - 673 - 674 - 675 - 676 - 677 - 678 - 679 - 680 - 681 - 682 - 683 - 684 - 685 - 686 - 687 - 688 - 689 - 690 - 691 - 692 - 693 - 694 - 695 - 696 - 697 - 698 - 699 - 700 - 701 - 702 - 703 - 704 - 705 - 706 - 707 - 708 - 709 - 710 - 711 - 712 - 713 - 714 - 715 - 716 - 717 - 718 - 719 - 720 - 721 - 722 - 723 - 724 - 725 - 726 - 727 - 728 - 729 - 730 - 731 - 732 - 733 - 734 - 735 - 736 - 737 - 738 - 739 - 740 - 741 - 742 - 743 - 744 - 745 - 746 - 747 - 748 - 749 - 750 - 751 - 752 - 753 - 754 - 755 - 756 - 757 - 758 - 759 - 760 - 761 - 762 - 763 - 764 - 765 - 766 - 767 - 768 - 769 - 770 - 771 - 772 - 773 - 774 - 775 - 776 - 777 - 778 - 779 - 780 - 781 - 782 - 783 - 784 - 785 - 786 - 787 - 788 - 789 - 790 - 791 - 792 - 793 - 794 - 795 - 796 - 797 - 798 - 799 - 800 - 801 - 802 - 803 - 804 - 805 - 806 - 807 - 808 - 809 - 810 - 811 - 812 - 813 - 814 - 815 - 816 - 817 - 818 - 819 - 820 - 821 - 822 - 823 - 824 - 825 - 826 - 827 - 828 - 829 - 830 - 831 - 832 - 833 - 834 - 835 - 836 - 837 - 838 - 839 - 840 - 841 - 842 - 843 - 844 - 845 - 846 - 847 - 848 - 849 - 850 - 851 - 852 - 853 - 854 - 855 - 856 - 857 - 858 - 859 - 860 - 861 - 862 - 863 - 864 - 865 - 866 - 867 - 868 - 869 - 870 - 871 - 872 - 873 - 874 - 875 - 876 - 877 - 878 - 879 - 880 - 881 - 882 - 883 - 884 - 885 - 886 - 887 - 888 - 889 - 890 - 891 - 892 - 893 - 894 - 895 - 896 - 897 - 898 - 899 - 900 - 901 - 902 - 903 - 904 - 905 - 906 - 907 - 908 - 909 - 910 - 911 - 912 - 913 - 914 - 915 - 916 - 917 - 918 - 919 - 920 - 921 - 922 - 923 - 924 - 925 - 926 - 927 - 928 - 929 - 930 - 931 - 932 - 933 - 934 - 935 - 936 - 937 - 938 - 939 - 940 - 941 - 942 - 943 - 944 - 945 - 946 - 947 - 948 - 949 - 950 - 951 - 952 - 953 - 954 - 955 - 956 - 957 - 958 - 959 - 960 - 961 - 962 - 963 - 964 - 965 - 966 - 967 - 968 - 969 - 970 - 971 - 972 - 973 - 974 - 975 - 976 - 977 - 978 - 979 - 980 - 981 - 982 - 983 - 984 - 985 - 986 - 987 - 988 - 989 - 990 - 991 - 992 - 993 - 994 - 995 - 996 - 997 - 998 - 999 - 1000

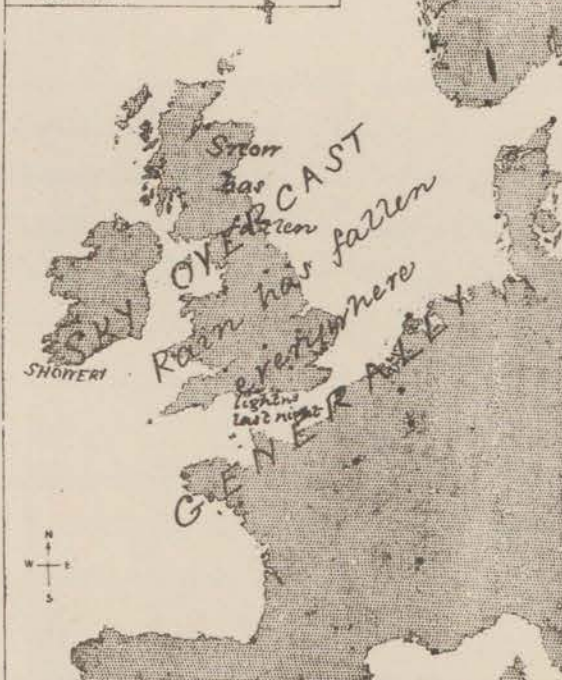


The wind blew hard from the Wnd in the Channel last evening. A heavy NW gale still holds off our south-west coasts but elsewhere the wind is moderate to fresh in force. It is E^{ly} to NE^{ly} in the north, and drops round through N over the Irish Sea to NW in Central England, while in Belgium the wind is SW.

The sea is still very high at the mouth of the St. Georges and English Channels and in the Bay of Biscay, high on the east coast of Scotland, rather rough elsewhere.

CLOUD, RAIN &c.

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



Rain has fallen very generally, with snow in the north-east. Lightning was seen at Hurst Castle last night. The weather remains very dull and unsettled generally.

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

Meteorological Office
116, Victoria Str^t. Westminster S.W.
ROBERT H. SCOTT, Director.

SUMMARY OF WEATHER IN WESTERN EUROPE

from DEC 6TH to DEC 12TH 1874.

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

During the 6th a depression appears to have passed to the N^W of these Islands, and the barometer, which had been falling on the 6th rose quickly on the 7th, but by the morning of the 8th a very rapid fall had occurred in the N. amounting to nearly an inch at Valencia. This very serious depression, after giving us gales on all coasts, passed away from our Islands and was succeeded by an almost equally rapid rise accompanied by moderate N^W winds. On the 11th a second deep depression appeared over Ireland, travelling like the former in an ESE¹ direction till it reached the Netherlands, where it appeared to be slowly filling up. The gales caused by this depression were even more serious than those which accompanied the former, especially in the SW. where the NW¹ gale was particularly heavy. Temperature has changed considerably, but the weather has been cold and unsettled all the week, with a great deal of rain.

DEC: 6TH The fall of the barometer noticed at the close of last week continued at all stations, the decrease had been greatest in the N. of these Islands but the lowest readings were found in the extreme N., and the gradient from Brussels to Faro was 0.08 in. per 50 miles. S.W¹ winds were general over the United Kingdom and the N. of France and were strong at the SW¹ stations. On the E¹ shores of the North Sea strong N^W winds were blowing. Temperature had risen over the continent and the SE. of England, but had fallen over the remainder of our Islands. Rain was reported from several stations but over Scotland the sky was moderately clear.

DEC: 7TH - At 8 am. the lowest pressure was found over the Baltic and a very brisk recovery had taken place over these Islands especially in the SW. where the highest readings were reported, and the gradient from Scilly to Scarborough was 0.07 in. per 50 miles. Westerly gales were reported from Anderson, Holyhead and the Netherlands, while moderate to fresh N^W to NW¹ winds were general. Temperature had fallen everywhere - several degrees in the SE. of England. Rain and snow had fallen and the sky was rather cloudy at all stations. At 2 pm. the barometer had risen generally, but very little at Valencia, where a fresh fall set in during the afternoon.

DEC: 8TH - The fall noticed on the previous afternoon at Valencia had continued very rapidly and extended over the whole of our Islands and France during the night, the highest readings were found over the S. of France and the gradient from L'Orient to Roches Point was 0.13 in. per 50 miles. A S¹ gale was reported from the Irish Sea, fresh S¹ breezes from all our N^W stations and moderate breezes from the same quarter in the E. Over the Bay of Biscay fresh N^W winds were experienced. Temperature had risen except in the N. Rain was falling over the greater part of the United Kingdom and the sky was overcast everywhere. During the day the barometer continued to fall rapidly, and the wind rose to a stiff gale in the SW.

DEC: 9TH - At 8 am. the centre of the disturbance lay between the English and Dutch coasts where the barometer had fallen more than an inch and a quarter. As the depression passed off the mercury rose very quickly in the N. and the gradient from Pembroke to Yarmouth was 0.13 in. per

50 miles. The wind had veered to the N^2 at all stations, but drew through NW in the West and SW in the East of France into due S at the Helder. It was light in Scotland, strong in the S of Ireland but reached the force of a gale over the greater part of England and France. Temperature had risen at the more E stations, but had fallen several degrees elsewhere. The sky was very overcast and rain was reported from many places. By two pm the barometer was rising every where.

DEC: 10TH — The lowest pressure lay over the extreme S of Sweden and the barometer had risen briskly at all stations, the increase exceeding .9 in: in the SE . During the night however the mercury at Valencia had begun to fall again. Gradients were very slight over these islands, but that from Shields to Oporto was 0.06 in: per 50 miles. The wind had subsided very much, and light variable air prevailed over England and Ireland, while strong N^2 breezes were reported from Skudsmoes and the Helder, and at L'Anse-au-Loup a fresh $N.E.$ gale. Temperature had fallen generally, especially over the E of England where a sharp frost prevailed. Rain had again commenced at Valencia, and the sky was overcast over Ireland though clear elsewhere. By two pm the barometer was falling every where.

DEC 11TH — Pressure had decreased more than an inch over Ireland, and had fallen very rapidly over the whole of our islands and their neighbourhood. A deep depression lay over the N of Ireland and the gradient from Biarritz to Pembroke was 0.09 in: per 50 miles. Westerly gales prevailed in the SW and over the Bay of Biscay, S^2 gales at some stations on our E coast, and the wind was generally strong except in the NW . Temperature had risen several degrees generally. The sky continued very cloudy with rain in some places and snow at Yarmouth and Paris. At 2 pm the disturbance had reached the NW of England and the wind had increased to a very severe gale in the SW .

DEC: 12TH — At 8 am the centre of the disturbance lay over Belgium, but the lowest pressure was .3 in higher than what it had been yesterday. The barometer had risen considerably in the rear of the disturbance and gradients were steepest over France that from Biarritz to Paris being 0.10 in per 50 miles. The wind had veered to the NW^2 over the N and SW of these islands and it still blew a hard gale in the SW where the sea was exceedingly high. Over Denmark, the North Sea and Scotland the wind was fresh from the E^2 , while in the N of France it was N^2 to SW^2 . Temperature had not changed much but had slightly risen generally. The weather continued very dull. At 2 pm the mercury was rising, but the gale was unabated in the SW . —

Sunday 8 a.m.

WEATHER REPORT. Dec^r 13th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Distur- ance. — 0 to 9.	
	At 8 A.M.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
Haparanda ...	29.99	+38	12	12	-1	*	*	N	4	2	NE	*	0	*	*
Hernösand ...	29.94	+18	18	18	+4	*	*	SE	2	0	Z	*	0	*	*
Stockholm ...	30.12	+54	24	24	+10	*	*	NNE	2	2	NE	*	0	*	*
Wisby ...	29.25	-29	31	31	+7	*	*	E	4	2	E	*	bc	*	*
Christiansund ...	29.01	+31	28	26	-5	*	*	ESE	4	2	ENE	*	b	*	3
Skudesnaes ...	29.57	+10	32	28	-1	*	*	E	4	4	ENR	*	co	*	2
Oxö (X'tiansand) ...	29.73	+30	27	27	-1	*	*	NNE	6	6	NNE	*	soo	*	4
Skagen (The Skaw) ...	29.67	+19	30	28	-1	*	*	ENE	6	4	ENE	*	o	-	*
Fanö ...	29.41	+22	33	32	+2	*	*	ENE	6	6	E	*	sc	-	*
Cuxhaven ...	29.242	+18	34	33	+1	?	30	E	6	7	ESE	9	so	-	*
Sumburgh Head ...	29.772	+36	35	34	-2	38	31	E	3	1	E	7	p	-	3
Stornoway (Hebrides) ...	29.802	+42	35	33	-1	39	26	N	1	4	ESE	5	bc	-	4
Thurso ...	29.762	+35	38	36	+1	38	30	NE	2	2	ENE	5	oc	0.05	2
Wick ...	29.732	+31	33	32	-6	41	29	E	1	3	SE	4	c	0.07	4
Nairn ...	29.772	+41	31	30	0	35	30	ENE	1	2	SSE	10	ps	0.14	2
Aberdeen ...	29.732	+45	33	32	-5	40	32	NNW	2	6	ENE	6	phs	0.19	6
Leith ...	29.702	+46	35	33	-5	41	33	NW	2	4	E	3	ost	0.14	*
Shields ...	29.562	+47	36	36	-2	40	33	ENE	7	7	ENE	7	st	0.20	7
York ...	29.482	+49	35	35	-2	38	33	N	1	2	N	10	og	0.14	*
Scarborough ...	29.542	+50	38	37	-2	41	36	ENE	6	7	ENE	10	shp	0.25	6
Nottingham ...	29.442	+43	36	35	-1	39	35	N	4	5	N	10	r	0.04	*
Ardrossan ...	29.722	+50	34	32	-3	39	33	NE	2	4	NE	4	c	-	1
Greencastle ...	29.782	+48	35	33	-4	40	33	NNE	2	3	NNE	3	c	-	*
Donaghadee ...	29.682	+47	39	37	-2	42	39	NNE	5	6	NNE	3	fc	-	4
Kingstown ...	29.672	+44	34	33	-7	43	34	?	5	6	NNW	5	oc	-	3
Holyhead ...	29.582	+46	41	38	-2	45	40	N	5	6	N	6	rc	0.04	5
Liverpool (Bidston Obs.) ...	29.572	+50	36	34	-3	40	35	N	4	5	NNW	10	o	0.12	2
Valencia ...	29.842	+33	42	40	-3	50	40	NNE	4	10	NW	9	pr	0.37	6
Roche's Point ...	29.772	+46	38	36	-6	45	35	NNW	4	9	NW	3	pb	0.20	4
Pembroke ...	29.562	+48	39	33	-6	45	33	N	4	6	NW	8	g/p	0.46	4
Portishead ...															
Scilly ...	29.552	+28	45	43	-5	50	42	N	6	11	NNW	6	gc	0.11	6
Plymouth ...	29.502	+37	35	35	-10	48	34	NW	1	4	NW	0	pf	0.03	*
Hurst Castle ...	29.402	+39	35	34	-9	44	33	NNW	5	5	NNW	10	og	-	4
Dover ...	29.242	+34	38	36	-1	41	36	N	5	5	NNW	10	od	0.12	3
London ...	29.382	+38	37	36	-2	41	36	NNW	3	5	NNW	10	dg	-	*
Oxford ...	29.38	+39	35	34	-3	40	35	NNW	2	2	NNW	10	g	0.02	*
Cambridge ...	29.342	+40	35	35	-2	39	34	N	2	2	NW	10	rg	0.23	*
Yarmouth ...	29.262	+44	39	39	-1	41	38	NE	6	6	N	10	or	0.21	6
Helder ...															
Cape Gris Nez ...	29.212	+33	39	35	-3	43	37	N	7	7	N	10	o	0.04	5
Brest ...	29.532	+20	46	41	+1	51	41	N	5	8	NNW	7	ro	0.24	5
L'Orient ...	29.472	+21	42	40	-6	?	?	NNW	5	9	NNW	3	rc	0.39	6
Rochefort ...	29.472	+06	46	39	-4	58	40	N	7	12	NW	5	rc	0.39	5
Biarritz ...	29.578	-10	48	46	-6	53	46	NNW	8	11	NNW	10	tr	-	7
Corunna ...															
Brussels ...	29.14	+32	41	*	-4	*	*	NW	3	*	*	*	o	*	*
Charleville ...	29.15	+28	39	*	-1	*	*	N	3	*	*	*	f	*	*
Paris ...	29.272	+30	39	*	-4	45	39	NW	4	5	W	10	ro	-	*
Lyons ...	?	?	45	*	+8	*	*	W	3	*	*	*	o	*	*
Toulon ...	29.398	-13	40	38	-4	51	39	NW	5	7	NW	6	o	-	5

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

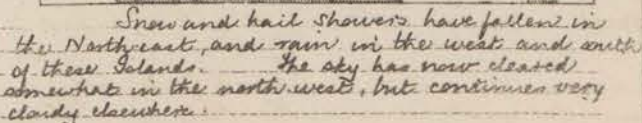
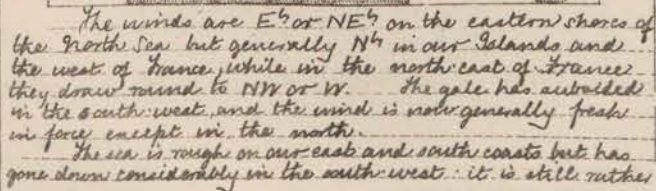
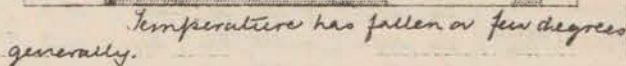
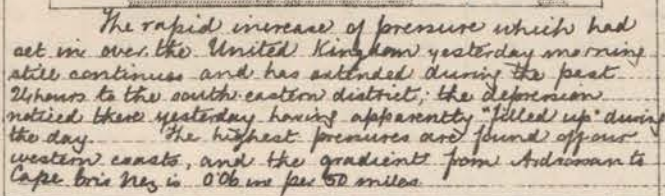
	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	29.56	32	27	ENE	6	*	bc	?	Valencia ...	29.59	46	43	NW	10	7	ro
Thurso ...	29.50	36	35	Z	0	5	c	2	Scilly ...	29.39	46	45	NW	11	7	g
Scarborough...	29.18	39	38	ENE	5	10	o	5	London ...	29.07	41	39	NW	2	10	og
Greencastle ...	29.43	39	37	NW	2	4	c	*	Roche's Point ...	29.42	51	47	NW	11	5	rc
Holyhead ...	29.27	44	41	N	6	5	c	5								

The barometer continues to rise generally, and the NW. gale still blows with great violence on our SW coasts, and in the Bay of Biscay.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.
 * AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.
 N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposition direction.

SUNDAY 13TH DECEMBER 1874 AT 8 A.M.



Meteorological Office
116, Victoria Str.^t, Westminster, S.W.
ROBERT H. SCOTT, Director

Mon-day 8 a.m.

WEATHER REPORT.

Dec 14th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extrema.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
Haparanda ...	30.27	+28	12	?	0	*	*	N	2	2	N	*	0	*	*
Hernösand ...	30.15	+21	23	22	+5	*	*	NE	2	2	NE	*	0	*	*
Stockholm ...	29.84	+28	22	?	-2	*	*	NE	4	6	NNE	*	0	*	*
Wisby ...	29.70	+45	29	28	-2	*	*	NE	2	4	NE	*	0	*	*
Christiansund ...	30.04	+23	24	22	-4	*	*	E	4	2	E	*	0	*	2
Skudesnaes ...	30.03	+46	27	24	-5	*	*	NNE	2	4	NNE	*	0	*	2
Oxö (Xtiansand) ...	29.97	+24	28	26	+1	*	*	NNE	6	6	NNE	*	0	*	4
Skagen (The Skaw) ...	29.93	+26	30	27	0	*	*	ENE	6	6	ENE	*	0	-	*
Fanö ...	29.78	+37	31	30	-2	*	*	NNE	6	6	NNE	*	0	-	*
Cuxhaven ...	29.63	+39	35	35	+1	?	32	ENE	6	6	E	9	0.25	0.25	*
Sumburgh Head ...	30.04	+27	33	33	-2	36	30	N	4	4	NNE	3	0.02	0.02	2
Stornoway (Hebrides) ...	30.19	+39	34	33	-1	36	30	N	2	2	N	10	0.07	0.07	4
Thurso ...	30.13	+37	39	35	+1	41	35	NNN	3	5	NNN	7	0.07	0.07	3
Wick ...	30.13	+40	36	33	+3	39	32	N	2	4	E	7	0.03	0.03	1
Nairn ...	30.15	+38	34	32	+3	37	30	NE	2	3	ENE	2	0.27	0.27	3
Aberdeen ...	30.06	+33	35	34	+2	36	32	NNN	1	2	NNN	6	0.09	0.09	4
Leith ...	30.11	+41	37	36	+2	38	33	NN	3	3	NN	8	0.04	0.04	*
Shields ...	30.01	+45	35	34	-1	40	34	NNE	3	6	ENE	5	0.03	0.03	5
York ...	29.98	+30	32	31	-3	38	32	N	1	1	N	8	0.16	0.16	*
Scarborough ...	29.97	+43	37	34	-1	40	34	ENE	5	6	ENE	7	0.23	0.23	5
Nottingham ...	29.96	+52	34	32	-2	38	32	N	4	5	N	5	0.02	0.02	*
Ardrossan ...	30.14	+42	35	32	+1	39	33	NNN	2	2	NNE	3	0	0	1
Greencastle ...	30.17	+39	36	34	+1	37	34	?	2	3	NNE	3	0	0	*
Donaghadee ...	30.08	+40	40	37	+1	42	38	NNN	5	6	NNN	2	0	0	4
Kingstown ...	30.13	+46	35	33	+1	42	33	NNN	4	5	NNN	5	0.01	0.01	3
Holyhead ...	30.04	+46	40	37	-1	42	40	NNE	5	6	NNE	4	0	0	5
Liverpool (Bidston Obs.) ...	30.03	+49	33	31	-3	38	32	N	2	4	N	2	0	0	2
Valencia ...	30.22	+38	37	35	-5	44	33	NE	3	4	NNE	2	0.35	0.35	4
Roche's Point ...	30.11	+14	37	36	-1	40	35	NNE	5	5	NNE	2	0	0	4
Pembroke ...	30.00	+44	37	35	-2	42	35	NNE	3	5	N	3	0	0	2
Portishead ...	29.89	?	36	34	?	40	33	NNE	6	6	N	10	0	0	5
Scilly ...	30.00	+45	37	37	-8	45	36	NE	7	7	NNE	9	0.45	0.45	7
Plymouth ...	29.92	+42	33	31	-2	41	32	NE	4	3	NE	0	0	0	*
Hurst Castle ...	29.83	+43	36	35	+1	40	33	NNE	5	5	NNE	10	0	0	3
Dover ...	29.67	+43	38	37	0	41	36	NNE	5	6	N	10	0.60	0.60	3
London ...	29.79	+46	36	35	-1	41	35	N	5	6	NNN	5	0.12	0.12	*
Oxford ...	29.87	+49	33	32	-2	38	33	N	2	4	ENE	1	0	0	*
Cambridge ...	29.85	+51	34	33	-1	41	33	N	2	4	N	10	0.06	0.06	*
Yarmouth ...	29.74	+48	38	36	-1	40	36	NNE	6	8	NE	8	0.10	0.10	5
Helder ...	29.64	?	37	*	?	*	*	NE	6	*	*	*	0	0	4
Cape Gris Nez ...	29.60	+39	39	39	0	44	37	NNE	9	8	NNE	10	0.43	0.43	7
Brest ...	29.92	+39	40	36	-6	46	35	N	5	5	N	4	0.28	0.28	3
L'Orient ...	29.79	+32	38	36	-4	?	?	N	7	7	N	2	0	0	4
Rocheport ...	29.69	+22	?	?	?	49	?	N	7	7	N	10	0	0	3
Biarritz ...	29.69	+12	41	39	-7	48	37	?	3	8	N	9	0.07	0.07	7
Corunna ...	?	?	*	*	?	*	*	*	*	*	*	*	0	0	*
Brussels ...	29.75	?	36	*	-5	*	*	NE	3	*	*	*	0	0	*
Charleville ...	29.53	+38	35	*	-4	*	*	NE	1	*	*	*	0	0	*
Paris ...	29.53	+26	38	*	-1	41	38	N	5	5	N	10	0.04	0.04	*
Lyons ...	?	?	44	*	-1	*	*	NN	3	*	*	*	0	0	*
Toulon ...	29.50	+11	35	31	-5	49	34	NN	4	5	NN	2	0	0	4

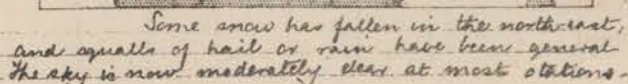
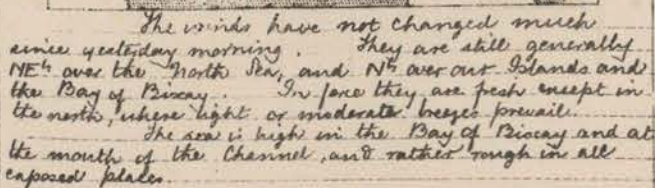
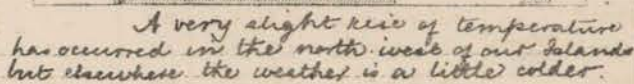
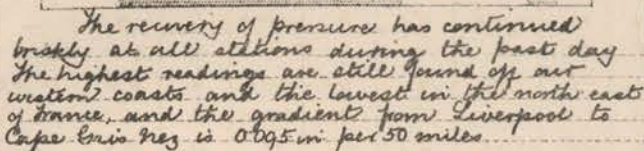
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.	Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.
Skudesnaes ...	29.86	31	27	NNE	4	*	Valencia ...						
Thurso ...							Scilly ...						
Scarborough ...							London ...						
Greencastle ...						*	Rocheport ...	29.50	46	44	?	7	5
Holyhead ...													

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.
 * AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.
 N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposition direction.

MONDAY 14TH DECEMBER 1874 AT 8 A.M.



Meteorological Office
116, Victoria Str.^t. Westminster, S.W.
ROBERT H. SCOTT, Director.

Tues-day 8 a.m.

WEATHER REPORT. December 16th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. — By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. — 0 to 9.	
	At 8 A.M. — Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Direc.	Force. — (0 to 12.)	Force. — (0 to 12.)					Direc.
Haparanda ...	30.54	+ .27	-8	-8	-20	*	*	N	4	2	N	*	6	*	*
Hernösand ...	30.39	+ .24	21	19	-2	*	*	E	6	4	E	*	5	*	*
Stockholm ...	30.00	+ .16	22	22	0	*	*	NNE	6	6	N	*	60	*	*
Wisby ...	29.89	+ .19	33	31	+4	*	*	E	2	2	E	*	8	*	*
Christiansund ...	30.14	+ .10	23	20	-1	*	*	ESE	4	2	ESE	*	60	*	2
Skudesnaes ...	30.16	+ .13	27	24	0	*	*	ESE	6	4	ESE	*	20	*	3
Oxö (X'tiansand) ...	30.13	+ .16	24	22	-4	*	*	N	6	4	N	*	60	*	3
Skagen (The Skaw) ...	30.06	+ .13	28	25	-2	*	*	NE	6	6	NE	*	5	—	*
Fanö ...	30.02	+ .24	28	27	-3	*	*	NE	4	4	NE	*	5	—	*
Cuxhaven ...	29.95r	+ .32	32	31	-3	?	30	NE	3	7	NE	7	00	0.04	*
Sumburgh Head ...	29.90f	- .06	36	35	+3	37	30	SE	2	2	N	6	28	—	3
Stornoway (Hebrides) ...	29.97f	- .22	28	27	-6	35	26	N	1	2	N	3	30	0.06	3
Thurso ...	30.00f	- .13	25	24	-14	40	23	Z	0	3	N	3	30	0.02	2
Wick ...	29.90f	- .15	23	22	-13	35	22	Z	0	4	N	2	20	0.06	1
Nairn ...	30.05f	- .10	24	24	-10	36	24	Z	0	2	NE	0	6	—	1
Aberdeen ...	30.04f	- .02	26	26	-9	36	26	N	1	2	NNN	1	20	—	2
Leith ...	30.12f	+ .01	24	23	-13	40	22	N	1	4	N	2	6	—	*
Shields ...	30.10r	+ .09	27	27	-8	35	27	N	1	5	NNN	2	20	0.08	4
York ...	30.09r	+ .11	27	27	-5	36	26	N	1	1	N	0	60	—	*
Scarborough ...	30.09r	+ .12	31	30	-6	39	31	N	1	4	NE	6	20	0.05	3
Nottingham ...	30.13r	+ .17	29	29	-5	38	28	N	1	4	NNN	1	30	—	*
Ardrossan ...	30.08f	- .06	26	26	-9	40	24	NE	2	2	NNN	5	20	—	1
Greencastle ...	30.05f	- .12	33	31	-3	37	31	N	1	2	NN	10	0	0.07	*
Donaghadee ...	30.05f	- .03	31	30	-9	44	30	N	2	5	NNN	10	60	—	2
Kingstown ...	30.13f	- .00	34	34	-1	39	33	Z	0	4	NNN	9	60	0.01	0
Holyhead ...	30.10f	+ .06	35	33	-5	42	33	SSW	1	5	NNE	7	20	—	1
Liverpool (Bidston Obs.) ...	30.123	+ .09	30	28	-3	38	30	SW	1	3	?	3	20	—	1
Valencia ...	30.05f	- .17	41	40	+4	45	35	S	2	2	SNE	9	20	0.10	3
Roche's Point ...	30.09f	- .02	37	37	0	40	34	NN	1	5	NNE	10	60	0.06	3
Pembroke ...	30.11f	+ .11	37	36	0	42	34	Z	0	3	NNN	5	20	0.20	0
Portishead ...	30.11r	+ .22	35	33	-1	39	32	NNN	3	6	NNE	10	20	—	2
Scilly ...	30.16r	+ .16	45	42	+8	45	37	NN	4	7	NE	8	20	0.06	4
Plymouth ...	30.13r	+ .21	34	33	+1	41	32	N	1	4	NNE	10	60	—	*
Hurst Castle ...	30.10r	+ .27	29	28	-7	38	28	NNE	3	6	NNE	2	60	—	2
Dover ...	29.99r	+ .32	34	33	-4	41	32	N	4	7	NNE	7	20	0.22	3
London ...	30.07r	+ .28	33	31	-3	42	28	Z	0	5	N	10	20	—	*
Oxford ...	30.12	+ .25	29	29	-4	37	29	N	1	3	N	10	60	—	*
Cambridge ...	30.10r	+ .25	29	29	-5	38	28	NNN	1	3	N	10	30	—	*
Yarmouth ...	30.03r	+ .29	35	34	-3	39	32	NNE	4	7	NNE	7	20	0.16	4
Helder ...	29.99	+ .35	36	*	-1	*	*	NE	6	*	*	*	20	—	2
Cape Gris Nez ...	29.97r	+ .37	35	35	-4	42	33	NNE	7	9	NNE	10	20	0.67	5
Brest ...	30.19r	+ .27	38	38	-2	44	36	NE	4	7	ESE	10	0	—	3
L'Orient ...	30.11r	+ .32	40	36	+2	?	?	N	5	7	NNE	8	60	—	4
Rochefort ...	30.00r	+ .34	39	35	?	46	37	NNE	8	8	N	6	00	—	3
Biarritz ...	30.04r	+ .35	37	35	-4	43	32	SE	3	3	S	10	20	1.46	6
Corunna ...															
Brussels ...	29.95	+ .20	35	*	-1	*	*	NE	3	*	*	*	0	*	*
Charleville ...	29.89	+ .36	33	*	-2	*	*	NE	6	*	*	*	?	*	*
Paris ...	29.95r	+ .42	35	*	-3	38	34	NNN	5	5	NNN	10	0	—	*
Lyons ...	?	?	43	*	-1	*	*	NN	3	*	*	*	0	*	*
Toulon ...	?	?	35	31	0	46	32	NN	5	4	NN	3	20	—	5

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

Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.
Skudesnaes ...	30.07	31	29	SSW	4	*	Valencia ...	30.27	40	37	ENE	2	1
Thurso ...	30.13	39	35	N	3	6	Scilly ...	30.08	44	38	NE	6	5
Scarborough ...	30.00	38	36	N	3	8	London ...	29.87	38	36	N	4	7
Greencastle ...	30.20	36	35	NN	2	10	Rochefort ...	29.77	42	38	N	8	7
Holyhead ...	30.11	42	38	NNE	4	6							

The increase of pressure seems to have been considerably checked at all stations and at Valencia the barometer has been steady since noon. The winds are almost unaltered but at Valencia it has veered a little.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **WEATHER:** Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. gloom; 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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

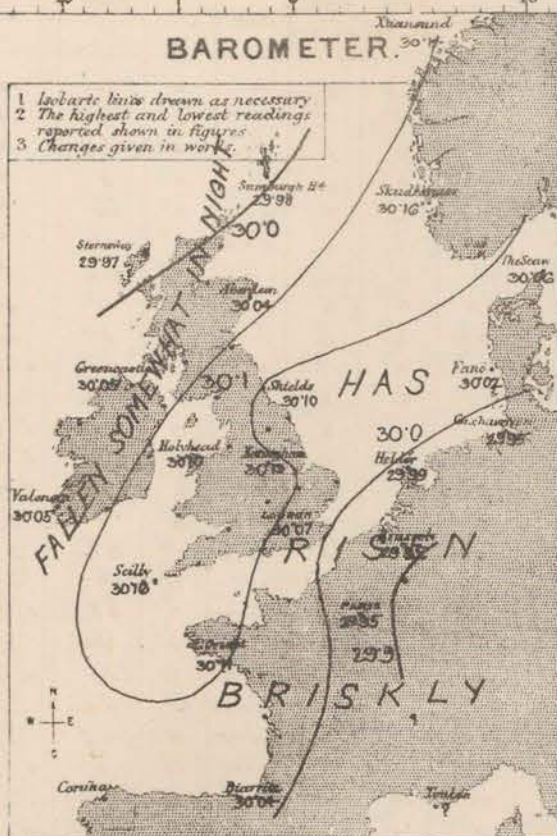
WEATHER CHARTS

AND REMARKS FOR

TUESDAY 15TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

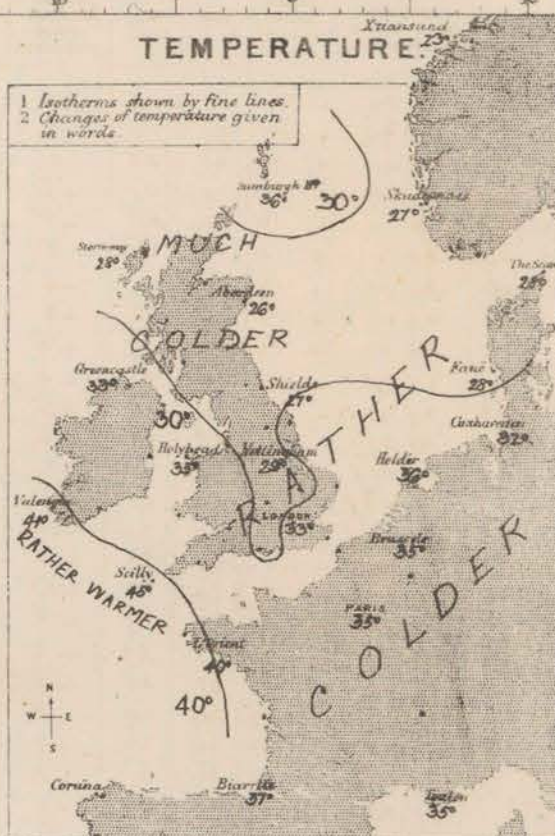
- 1 Isotherms drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words



This morning, the barometer is falling slowly in the west and north of our Islands, while it is rising elsewhere. A band of high readings extends from south-west to north-east over Western Europe, but gradients are everywhere slight.

TEMPERATURE.

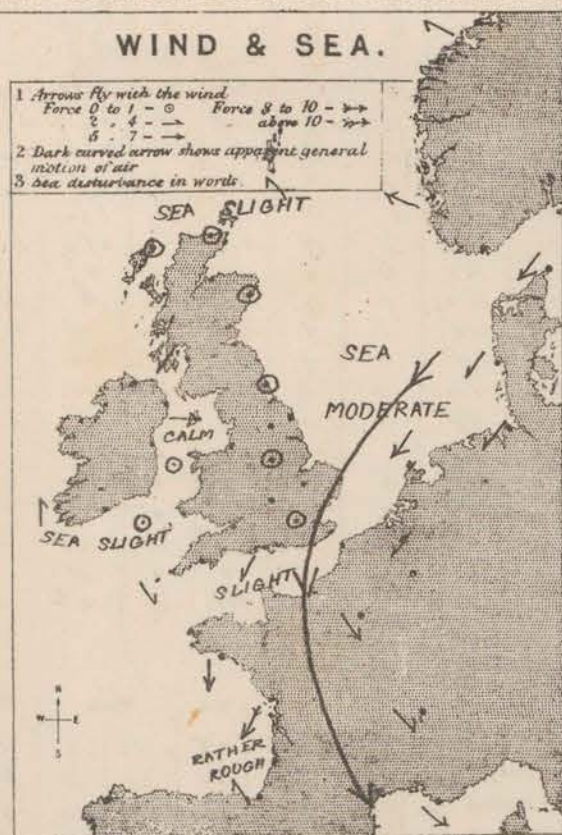
- 1 Isotherms shown by fine lines.
- 2 Changes of temperature given in words



Temperature has fallen except in the extreme south-west, and a sharp frost prevails over S. Britain.

WIND & SEA.

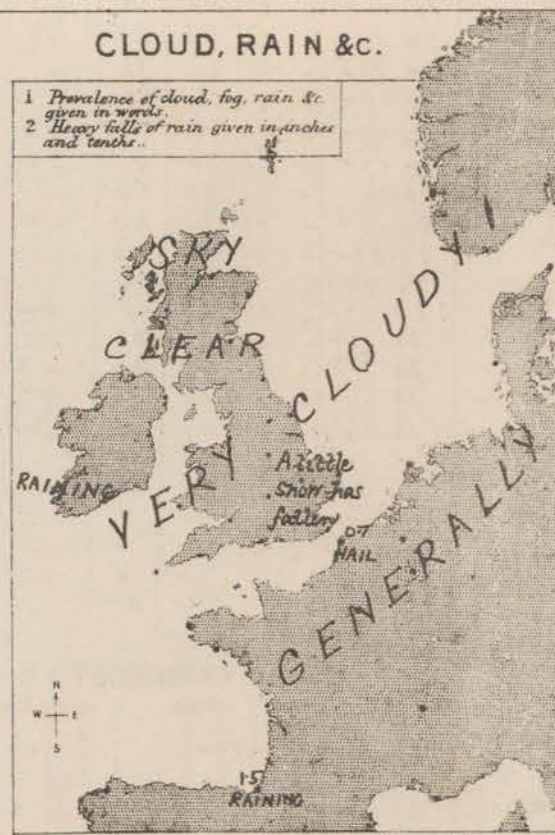
- 1 Arrows fly with the wind
Force 0 to 1 - - -
2 - 4 - - -
6 - 7 - - -
Force 8 to 10 - - -
above 10 - - -
- 2 Dark curved arrow shows apparent general motion of air
- 3 Sea disturbance in words



The wind has fallen light over our Islands and is variable in direction, but continues fresh at the Continental stations - from north-east on the eastern shores of the North Sea, and from N over the Bay of Biscay. At Valencia the wind has veered to S. The sea has subsided considerably round our coasts where it is moderate to smooth, but continues rather rough at Cape Breton and Biarritz.

CLOUD, RAIN &C.

- 1 Prevalence of cloud, fog, rain &c given in words
- 2 Heavy falls of rain given in inches and tenths



Rain has set in again in the south of Ireland. The sky is clear over Scotland, and the north of England, cloudy elsewhere.

Subscriptions for these Charts payable in advance to cover delivery.
Delivery by hand 10/ per quarter.
book post 3/ per quarter.

Meteorological Office
116, Victoria Str^t, Westminster, S.W.
ROBERT H. SCOTT, Director

Wednesday 8 a.m.

WEATHER REPORT.

December 16th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disur- ance 0 to 4.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirce.	Force. (0 to 12.)	Force. (0 to 12.)					Dirce.
Haparanda ...	30.56	+ .02	11	10	+19	*	*	N	4	4	N	*	0	*	*
Hernösand ...	30.39	'00	22	21	+1	*	*	NE	6	6	N	*	30	*	*
Stockholm ...	30.04	+ .04	41	42	+19	*	*	NNE	6	6	NNE	*	8	*	*
Wisby ...	29.97	+ .08	32	31	-1	*	*	E	2	2	SE	*	08	*	*
Christiansund...	30.21	+ .07	22	19	-1	*	*	ENE	4	6	ESE	*	06	*	2
Skudesnaes ...	30.12	- .04	26	22	-1	*	*	N	6	6	E	*	00	*	3
Oxö (X'tiansand)	30.05	- .08	23	22	-1	*	*	N	6	6	N	*	0	*	4
Skagen (The Skaw)	29.99	- .07	27	25	-1	*	*	NE	8	6	NE	*	0	-	*
Fanö ...	29.88	- .14	28	28	0	*	*	ENE	4	2	NE	*	05	-	*
Cuxhaven ...	29.84f	- .11	32	31	0	?	29	ENE	2	2	NE	6	2	-	*
Sumburgh Head	30.01r	+ .03	34	34	-2	37	30	SSW	3	4	SSE	7	p	0.27	4
Stornoway (Hebrides)	30.01r	+ .04	32	31	+4	26	25	NN	3	5	SE	4	sc	0.10	4
Thurso...	30.01r	+ .01	31	30	+6	34	24	2	0	1	S	7	bzm	0.03	1
Wick ...	30.05r	+ .07	33	31	+10	35	22	NN	1	5	S	8	co	0.13	1
Nairn ...	30.01r	- .04	29	29	+5	31	24	2	0	0	Z	8	bo	-	1
Aberdeen ...	29.96r	- .08	37	33	+11	37	26	ESE	1	1	N	4	bce	0.02	2
Leith ...	29.89r	- .23	35	35	+11	36	21	NN	2	4	E	8	o	0.01	*
Shields...	29.80f	- .30	33	33	+6	36	26	SSE	1	4	SSW	8	fso	0.04	3
York ...	29.77f	- .32	32	32	+5	33	27	ENE	1	1	NE	10	ss	-	*
Scarborough ...	29.80f	- .29	36	34	+5	37	31	ESE	5	4	SE	7	sc	0.12	5
Nottingham ...	29.69f	- .44	30	29	+1	34	27	E	4	5	SW	5	so	0.07	*
Ardrossan ...	29.87r	- .21	33	30	+7	35	26	NE	2	5	SE	8	sf	-	1
Greencastle ...	29.85r	- .20	35	34	+2	36	33	NNE	6	6	NNE	10	m	1.07	*
Donaghadee ...	29.75r	- .30	35	34	+4	37	30	NE	6	6	NE	10	ro	0.87	5
Kingstown ...	29.59f	- .54	35	34	+1	41	34	?	3	5	?	10	d	0.11	2
Holyhead ...	29.69r	- .41	35	33	0	41	34	E	4	7	SSW	6	gso	0.64	4
Liverpool (Bidston Obs.)	29.68f	- .44	33	31	+3	33	30	SE	3	5	ESE	7	oso	0.21	?
Valencia ...	29.79f	- .26	43	41	+2	50	41	N	9	10	N	8	thp	0.62	9
Roche's Point...	29.55f	- .54	40	39	+3	45	37	NNN	9	9	NNN	9	elp	0.68	6
Pembroke ...	29.50f	- .61	34	33	-3	44	33	NE	3	7	SSW	8	om	0.41	2
Portishead ...	29.38f	- .73	34	34	-1	38	30	E	6	8	SE	10	so	0.30	4
Scilly ...	29.48f	- .68	44	42	-1	49	38	N	6	8	N	6	hlgf	0.42	7
Plymouth ...	29.40f	- .73	36	36	+2	46	34	NN	3	4	N	10	hf	0.42	*
Hurst Castle ...	29.39f	- .71	35	35	+6	41	29	SE	3	8	S	10	zp	0.35	5
Dover ...	29.58f	- .41	34	33	0	37	31	SE	5	4	NN	10	ow	0.17	3
London ...	29.56f	- .51	33	32	0	35	29	E	3	6	E	10	oso	0.65	*
Oxford...	29.52	- .60	33	33	+4	33	29	E	2	3	E	10	gs	0.19	*
Cambridge ...	29.63f	- .47	32	32	+3	33	28	E	1	1	NN	10	so	0.15	*
Yarmouth ...	29.70f	- .33	34	32	-1	38	32	E	6	7	SE	8	sg	0.01	4
Helder...	29.78	- .21	30	*	-6	*	*	E	5	*	*	*	*	*	2
Cape Gris Nez...	29.61f	- .36	30	30	-5	39	30	SE	3	3	?	10	s	0.16	2
Brest ...	29.54f	- .65	43	41	+5	47	36	NN	7	8	NNN	10	rf	0.43	5
L'Orient ...	29.55f	- .56	40	38	0	?	?	NN	7	7	NN	8	r	0.16	4
Rochefort ...	29.63f	- .40	43	39	+4	46	36	N	7	8	NNE	10	co	0.24	3
Biarritz ...	29.78f	- .26	50	50	+13	?	36	NN	8	5	N	9	r	0.39	5
Corunna ...			*			*	*				*	*	*	*	*
Brussels ...	29.64	- .31	34	*	-1	*	*	ENE	1	*	*	*	c	*	*
Charleville ...	? 29.68	- .21	31	*	-2	*	*	SE	3	*	*	*	o	*	*
Paris ...	29.54f	- .41	31	*	-4	36	27	SE	4	5	N	10	cs	-	*
Lyons ...	?	?	39	*	-4	*	*	E	3	*	*	*	b	*	*
Toulon...	29.62f	?	32	32	-3	45	31	NN	5	5	NN	2	b	-	5

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	30.10	25	22	E	6	*	2	3	Valencia ...	29.91	48	47	SW	7	8	p
Thurso ...	29.86	29	28	S	1	2	6	3	Scilly ...	30.02	44	43	SW	4	9	r
Scarborough...	29.98	32	32	SW	1	8	0	3	London ...	30.02	34	33	SW	1	10	om
Greencastle ...	29.75	34	33	SE	4	10	5	*	Rochefort...	30.09	41	38	NNE	8	0	b
Holyhead ...	29.91	37	35	S	3	10	0	2								

The barometer is falling at all stations except Rochefort - but only at Greencastle. The wind has shifted to SW. in the SW. and to SE. at Greencastle while the strong NE wind still holds in the Bay of Biscay.

Fanning, used to all coasts.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

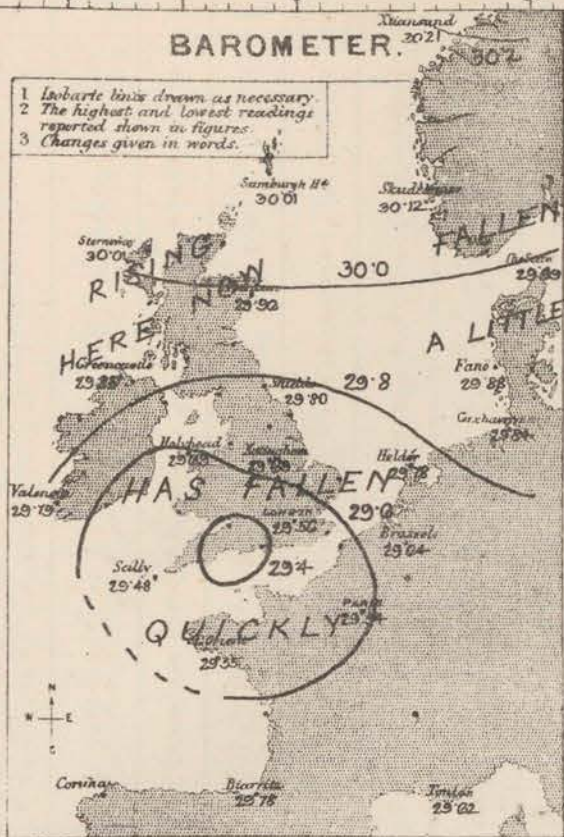
WEATHER CHARTS

AND REMARKS FOR

WEDNESDAY 16TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

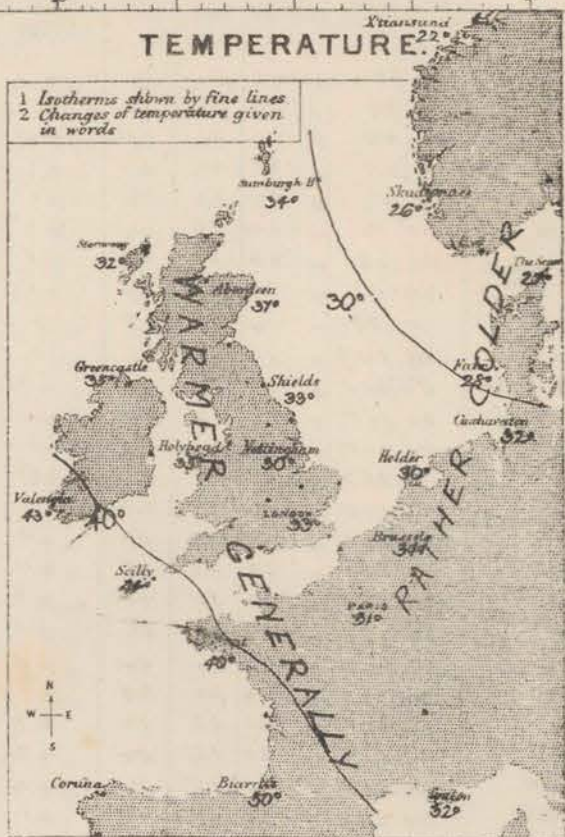
- 1 Isobars lines drawn as necessary.
- 2 The highest and lowest readings reported shown in figures.
- 3 Changes given in words.



During the night a very sudden and rapid fall of the barometer occurred over England and Ireland, a small but rather deep depression advanced from the W. and now lies over the south west of England. The barometer has recovered briskly in the rear of this disturbance, and the gradient from Yarmouth to Hurst Castle is 0.10 in per 50 miles.

TEMPERATURE.

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



Temperature has risen a little generally but the change is very slight in the west.

WIND & SEA.

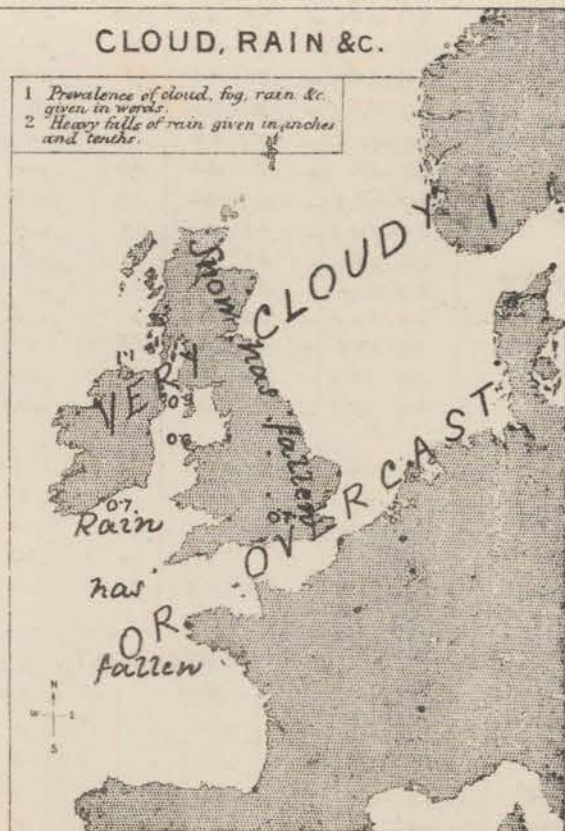
- 1 Arrows fly with the wind. Force 0 to 1 - 0, Force 2 to 4 - 2, Force 5 to 7 - 5, Force 8 to 10 - 8, above 10 - 10.
- 2 Dark curved arrow shows apparent general motion of air.
- 3 Sea disturbance in words.



The wind blew a fresh gale from the S. on our south coast, and over the Irish Sea last night, accompanied by a hard gale from the N. at our most southerly western stations. This morning N. gales are reported from the south of Ireland and the west of France, and fresh winds from N. and N.E. over Norway and Denmark. The sea is tremendous at Valencia, high at Sully, rough at Rochelle, and rather so at most exposed places.

CLOUD, RAIN &c.

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



Shower rain has fallen at all stations - snow over S. Britain, and rain over Ireland - very heavily at Greenacres. The sky is overcast generally, and snow continues to fall over Central England. Warnings were issued to all coasts yesterday but ones are lowered in the north this morning.

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

Meteorological Office
116, Victoria Str^{et}, Westminster, S.W.
ROBERT H. SCOTT, Director.

Daguerfield Lith. London.

Thurs-day 8 a.m.

WEATHER REPORT. December 17th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Dis- tance 0 to 6.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dir.	Force. (0 to 12.)	Force. (0 to 12.)					Dir.
Haparanda ...	30.65	+ .59	13	13	-24	*	*	N	4	2	N	f	*	*	
Hernösand ...	30.52	+ .12	15	15	-7	*	*	NE	6	4	NE	o	*	*	
Stockholm ...	30.63	+ .59	20	19	-21	*	*	NNE	6	6	NNE	o	*	*	
Wisby ...	?	?	30	29	-2	*	*	E	4	4	NE	s	*	*	
Christiansund ...	30.33	+ .12	22	20	0	*	*	ESE	4	2	ESE	o	*	2	
Skudesnaes ...	?	?	26	24	0	*	*	NNE	2	4	NNE	o	*	2	
Oxö (Xtiansand) ...	30.25	+ .20	23	20	0	*	*	NNE	6	?	NNE	o	*	4	
Skagen (The Skaw) ...	30.16	+ .17	26	23	-1	*	*	NE	10	8	NE	so	-	*	
Fanö ...	30.00	+ .12	29	28	+1	*	*	NE	6	2	NE	so	-	*	
Cuxhaven ...	29.85r	+ .01	33	33	+1	?	29	NE	5	3	NE	so	-	*	
Sumburgh Head ...	30.22r	+ .21	33	32	-1	37	30	2	0	10	E	so	0.02	4	
Stornoway (Hebrides) ...	30.36r	+ .35	28	27	-4	35	26	N	3	3	N	?	0.11	3	
Thurso ...	30.37r	+ .36	16	15	-15	31	16	SSW	1	1	S	so	-	1	
Wick ...	30.38r	+ .33	16	16	-17	34	16	NW	1	2	N	so	0.03	5	
Nairn ...	30.41r	+ .40	27	27	-2	33	21	N	1	1	N	so	-	1	
Aberdeen ...	30.33r	+ .37	30	29	-7	37	30	NNW	1	2	NNW	so	0.12	2	
Leith ...	30.37r	+ .48	30	28	-5	40	28	NNE	2	2	E	so	0.03	*	
Shields ...	30.23r	+ .43	37	37	+4	37	20	NE	4	7	NE	so	0.04	6	
York ...	30.21r	+ .44	30	29	-2	35	27	N	1	1	NE	so	0.08	*	
Scarborough ...	30.20r	+ .40	37	33	+1	37	34	NE	5	5	NE	so	0.11	5	
Nottingham ...	30.17r	+ .48	32	29	+2	36	30	N	3	5	N	so	0.05	*	
Ardrossan ...	30.38r	+ .51	26	26	-7	36	26	NE	1	2	N	so	-	0	
Greencastle ...	30.41r	+ .56	34	32	-1	37	32	NW	1	6	NNE	so	0.06	*	
Donaghadee ...	30.33r	+ .58	37	34	+2	39	35	NNE	5	6	NE	so	-	4	
Kingstown ...	30.35r	+ .76	39	35	+4	42	35	NE	4	7	NNE	so	0.09	4	
Holyhead ...	30.26r	+ .57	37	34	+2	40	34	ENE	4	5	ENE	so	0.03	3	
Liverpool (Bidston Obs.) ...	30.26r	+ .58	32	31	-1	34	29	N	2	5	ENE	so	-	2	
Valencia ...	30.41r	+ .62	35	33	-8	47	34	E	3	8	NNE	so	0.10	3	
Roche's Point ...	30.28r	+ .73	34	32	-6	44	32	NE	5	9	N	so	0.15	4	
Pembroke ...	30.21r	+ .71	35	33	+1	37	33	NNE	3	6	NE	so	-	1	
Portishead ...	30.10r	+ .72	34	32	0	36	30	E	6	7	E	so	-	4	
Scilly ...	30.07r	+ .59	41	38	-3	45	37	NE	8	9	NE	so	-	6	
Plymouth ...	30.10r	+ .70	33	32	-3	38	32	NE	3	8	NE	so	-	*	
Hurst Castle ...	30.00r	+ .61	32	32	-3	37	30	NE	5	8	E	so	-	3	
Dover ...	29.96r	+ .38	36	34	+2	39	32	NNE	5	6	E	so	0.09	3	
London ...	30.03r	+ .47	34	32	+1	35	29	ENE	2	5	E	so	-	*	
Oxford ...	30.09	+ .37	32	32	-1	33	30	NE	1	4	NE	so	-	*	
Cambridge ...	30.09r	+ .46	32	32	0	33	27	N	1	2	NE	so	0.02	*	
Yarmouth ...	30.01r	+ .31	37	35	+3	38	33	NE	5	8	ENE	so	0.09	4	
Helder ...	29.95	+ .17	35	*	+5	*	*	SE	6	*	*	*	*	2	
Cape Gris Nez ...	29.93r	+ .32	31	31	+1	32	29	E	4	4	ENE	so	0.08	2	
Brest ...															
L'Orient ...															
Rocheport ...															
Biarritz ...															
Corunna ...															
Brussels ...	29.88	+ .24	32	*	-1	*	*	NE	3	*	*	o	*	*	
Charleville ...	? 29.81	+ .13	31	*	0	*	*	NE	6	*	*	o	*	*	
Paris ...	29.81r	+ .27	32	*	+1	33	31	NE	5	7	ENE	so	0.08	*	
Lyons ...				*		*	*			*	*	*	*	*	
Toulon ...	29.54f	- .08	37	33	+5	38	32	E	5	5	NN	so	-	4	

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	30.16	25	22	NNE	4	*	o	2	Valencia ...	29.98	42	40	NNE	8	7	o
Thurso ...	30.09	23	22	S	1	4	c	1	Scilly ...	29.57	45	42	NNE	9	9	so
Scarborough...	29.88	36	33	NE	4	7	h	5	London ...	29.66	34	32	ENE	2	10	so
Greencastle ...	30.10	36	35	NNE	4	4	c	*	Rocheport...	29.41	47	42	NNW	9	10	r
Holyhead ...	29.91	38	35	ENE	5	6	c	4								

The area of low pressure has moved to France where the fall has been brisk since morning. In these islands pressure is rising especially in the NW. and the gale has set in at Scilly from NNE.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

Thurs - day 8 a.m.

WEATHER REPORT. December 18th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Distur- ance 0 to 3
	At 8 A.M. — Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda ...	30.21	-.44	23	23	-10	*	*	N	2	2	?	*	b	*	*
Hernösand ...	30.04	-.48	13	12	-2	*	*	NNE	2	2	N	*	o	*	*
Stockholm ...	29.91	-.72	21	21	+1	*	*	NNE	2	6	NNE	*	os	*	*
Wisby ...	29.88	?	26	26	-4	*	*	E	4	6	E	*	s	*	*
Christiansund ...	29.72	-.61	33	33	+16	*	*	S	6	4	SSE	*	bc	*	4
Skudesnaes ...	29.91	?	37	34	+11	*	*	SSW	6	2	NNE	*	co	*	4
Oxö (Christiansand)	30.08	-.17	16	15	-7	*	*	N	2	4	NNE	*	b	*	2
Skagen (The Skaw)	30.06	-.10	23	21	-3	*	*	NNE	2	6	ENE	*	o	-	*
Panö ...	30.12	+.12	24	23	-5	*	*	NNE	4	6	NE	*	o	-	*
Cuxhaven ...	30.08	+.23	27	23	-6	33	?	NNE	3	4	NNE	6	o	-	*
Samburgh Head	29.44	-.78	40	40	+7	40	32	NSW	8	8	NSW	10	wt	0.51	7
Stornoway (Hebrides)	29.73	-.63	45	45	+17	45	28	NSW	5	5	NSW	10	od.	0.16	5
Thurso ...	29.67	-.70	41	40	+25	42	16	SSW	4	5	SSW	10	ot	0.05	2
Wick ...	29.70	-.68	40	40	+24	40	16	N	3	4	N	10	o	0.04	2
Nairn ...	29.78	-.63	41	38	+14	41	27	NN	2	1	N	7	oo	-	2
Aberdeen ...	29.87	-.46	37	36	+7	38	27	SSW	2	2	SSW	8	co	-	2
Leith ...	30.05	-.32	36	36	+6	38	28	NSW	5	5	NNW	6	e	-	*
Shields ...	30.15	-.08	30	30	-7	37	28	NN	3	5	E	3	ab	-	3
York ...	30.21	-.00	25	25	-5	32	23	N	1	1	NN	5	oc	-	*
Scarborough ...	30.18	-.02	31	29	-6	38	30	NSW	1	5	NE	8	o	-	3
Nottingham ...	30.28	+.11	25	24	-7	36	24	N	1	4	N	6	cm	-	*
Ardrossan ...	30.08	-.30	42	41	+16	42	26	SW	3	3	SW	8	fr	0.02	3
Greencastle ...	30.11	-.30	35	35	+1	35	31	N	4	4	N	10	f	0.02	*
Donaghadee ...	30.11	-.22	34	33	-3	40	29	SSE	3	5	NE	8	c	-	3
Kingstown ...	30.28	-.07	33	32	-6	41	30	S	1	6	NE	8	cf	-	1
Holyhead ...	30.25	-.01	37	35	0	40	33	NSW	1	5	NNE	4	e	-	1
Liverpool (Bidston Obs.)	30.25	-.01	32	31	0	34	28	SW	2	3	N	5	bc	-	2
Valencia ...	30.34	-.07	37	35	+2	45	32	SE	2	3	NE	6	e	-	3
Roche's Point ...	30.30	+.02	32	31	-2	38	31	N	1	5	NE	5	bc	-	2
Pembroke ...	30.29	+.08	34	33	-1	39	32	ENE	1	4	NNE	6	co	-	0
Portishead ...	30.28	+.18	25	25	-9	36	22	E	1	7	NNE	9	qo	-	1
Scilly ...	30.30	+.23	41	37	0	43	37	NNE	4	8	NNE	7	qa	-	4
Plymouth ...	30.28	+.18	31	29	-2	38	29	NNE	1	5	NNE	1	bf	-	*
Hurst Castle ...	30.23	+.23	30	30	-2	36	28	NE	3	6	NE	3	b	-	2
Dover ...	30.16	+.20	36	35	0	38	33	N	3	5	NNE	10	qsd	0.16	2
London ...	30.21	+.18	35	33	+1	38	32	NNW	3	5	NE	10	mbo	-	*
Oxford ...	30.27	+.18	25	25	-7	34	25	Z	0	3	N	10	of	-	*
Cambridge ...	30.24	+.15	29	29	-3	35	28	NN	1	2	N	10	so	0.04	*
Yarmouth ...	30.18	+.17	36	35	-1	38	34	NNW	2	7	NE	8	hgf	0.05	4
Helder ...	30.15	+.20	35	*	0	*	*	NNE	3	*	*	*	*	*	2
Cape Gris Nez ...	30.12	+.19	33	31	+2	39	31	E	3	4	E	7	so	0.39	6
Brest ...	30.12	+.33	36	34	-1	?	?	NE	4	7	NE	9	co	-	3
L'Orient ...	29.99	+.41	34	32	0	47	32	NE	8	11	ENE	10	o	-	5
Rochefort ...															
Biarritz ...															
Corunna ...															
Brussels ...	30.11	+.23	?	*	?	*	*	NE	1	*	*	*	o	*	*
Charleville ...	30.11	+.30	32	*	+1	*	*	ENE	1	*	*	*	o	*	*
Paris ...															
Lyons ...	?	?	39	*	?	*	*	N	3	*	*	*	c	*	*
Toulon ...	29.75	+.21	43	41	+6	46	37	SE	4	7	E	9	o	-	5

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

	Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.	
Skudesnaes ...	30.30	26	23	NNE	4	*	b	2	Valencia ...	30.44	38	35	NE	3	7	c
Thurso ...	30.30	32	31	SSW	2	9	o	2	Scilly ...	30.20	41	36	NNE	8	6	hgf
Scarborough...	30.23	38	35	NE	4	9	o	5	London ...	30.07	36	34	NNE	4	4	bm
Greencastle ...	30.40	33	32	NW	1	10	w	*	Rochefort...	29.71	36	32	ENE	11	10	o
Holyhead ...	30.31	39	35	NNE	5	5	c	4								

The barometer has fallen in the N. and NW. but continues to rise slowly elsewhere. The winds are almost unchanged and the NE gale still holds at Scilly --

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

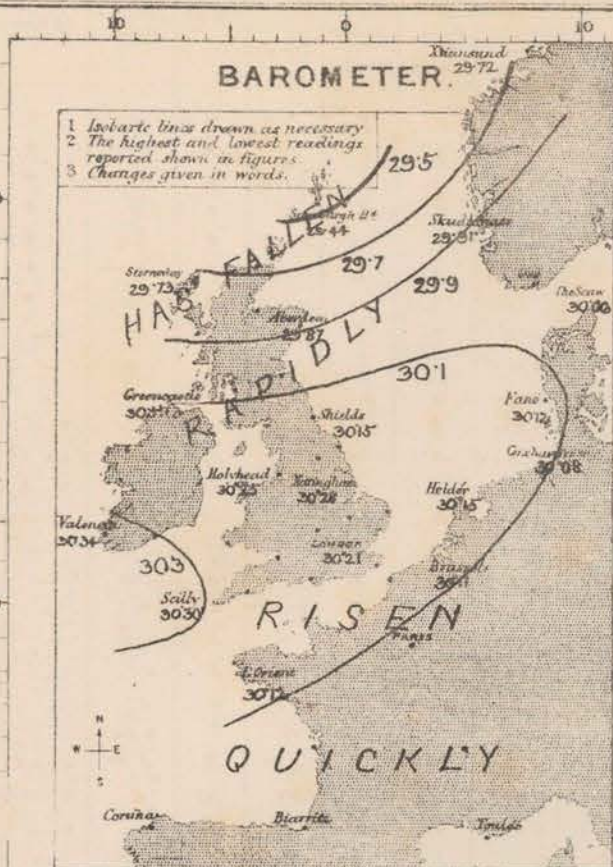
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

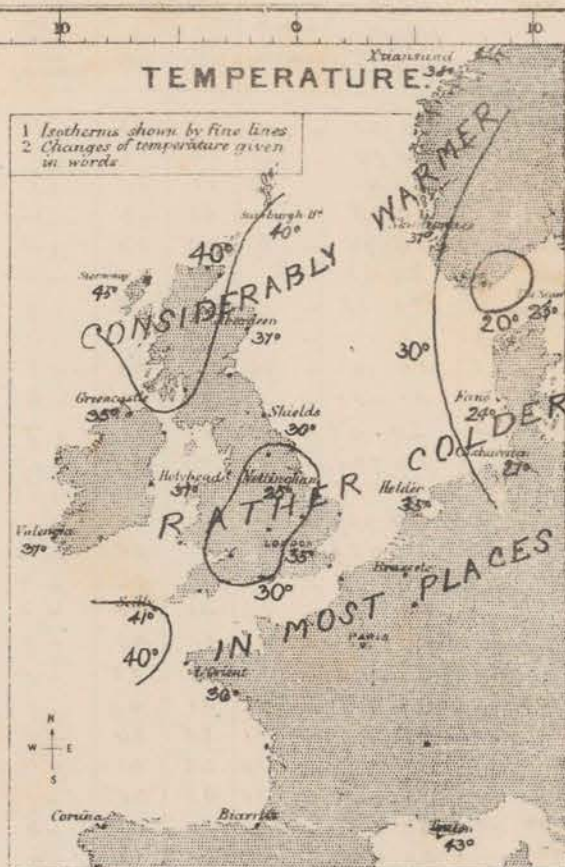
WEATHER CHARTS

AND REMARKS FOR

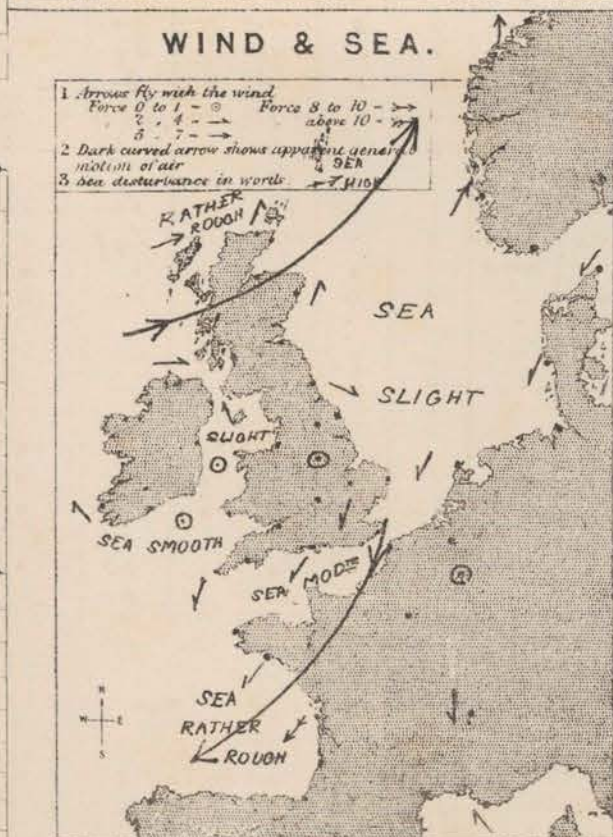
FRI DAY 18TH DECEMBER 1874 AT 8 A.M.



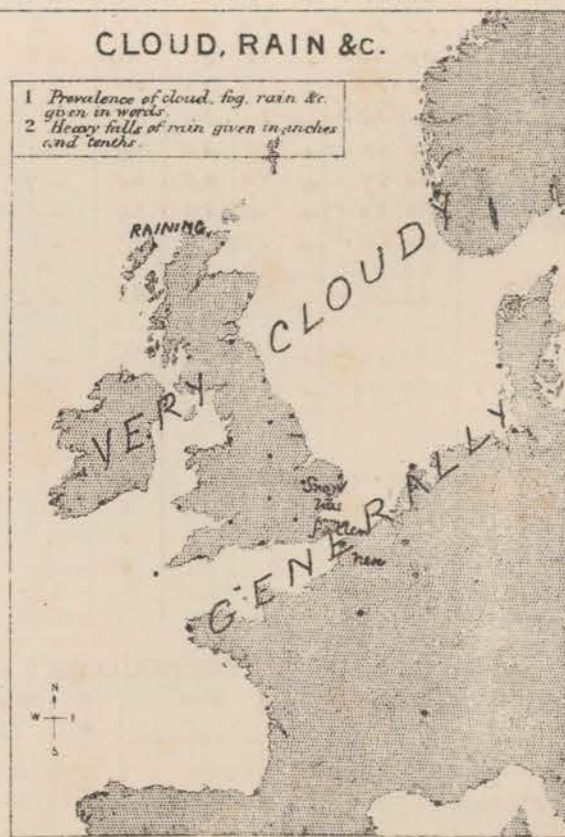
The mercury has fallen very quickly in the north during the night, and to a less extent at the western stations, and a depression is advancing over us from the N.W. At our southern stations pressure continues to increase slowly, and the gradient from Aberdeen to Funchal is 0.14 in 50 miles.



Temperature has fallen at most of the English and Irish stations, and a sharp frost prevails over Central England, but over Norway and Scotland temperature has risen rapidly (25° at Hues). At Haparanda, in Lapland, temperature has fallen 10° to -25° F.



The wind has shifted to the SW^W over Scotland and to S.W. over Norway, but in England it is very variable in direction, and an ENE breeze is reported in the south-west. In force it is generally light, but rather fresh in the Bay of Biscay and Norway, while a fresh gale is reported from the Shetlands. The sea is high at Funchal, rather rough at Stornoway, moderate to smooth elsewhere.



The sky has become very cloudy generally. Rain has set in in the north, and is reported from several stations.

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 Str. Westminister. S.W.
ROBERT H. SCOTT, Director.

Saturday 8 a.m.

WEATHER REPORT. December 19th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. — In past 24 Hours.	Sea Disur- ance — 0 to 9.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda ...	29.63	-.58	20	20	+43	*	*	SE	6	6	SE	*	o	*	*
Hernösand ...	29.40	-.64	27	27	+14	*	*	SE	2	2	SSW	*	os	*	*
Stockholm ...	29.45	-.46	24	24	+3	*	*	SW	?	4	N	*	of	*	*
Wisby ...	29.58	-.30	25	25	-1	*	*	SW	2	4	N	*	e	*	*
Christiansund ...	29.37	-.35	29	28	-9	*	*	WSW	6	6	N	*	s	*	6
Skudesnaes ...	?	?	29	29	-8	*	*	WN	6	6	N	*	es	*	5
Oxö (X'tiansand)	29.32	-.76	32	28	+16	*	*	WNW	6	6	SSW	*	fb	*	4
Skagen (The Skaw)	29.30	-.76	33	30	+10	*	*	N	2	8	SW	*	s	0.08	*
Fanö ...	29.50	-.62	33	33	+9	*	*	WN	6	4	WSW	*	es	-	*
Cuxhaven ...	29.58	-.50	33	33	+6	?	25	WSW	5	3	SW	9	os	-	*
Sumburgh Head	29.63	+.19	31	31	-9	40	30	N	9	9	N	10	s	0.13	8
Stornoway (Hebrides)	29.93	+.20	33	32	-12	45	31	WN	5	6	WN	10	hqs	0.24	5
Thurso ...	29.83	+.16	36	34	-5	44	32	WN	5	6	WNW	7	spe	0.19	5
Wick ...	29.81	+.11	33	31	-7	41	29	WNW	4	6	WN	4	pc	0.09	2
Nairn ...	29.90	+.12	33	31	-8	44	32	WN	1	2	WN	6	e	0.03	2
Aberdeen ...	29.83	+.04	31	30	-6	42	31	WNW	2	2	SSW	2	dsp	0.05	2
Leith ...	29.92	+.13	33	32	-3	43	33	WN	2	5	WN	6	cf	0.01	*
Shields ...	29.89	+.26	35	34	+5	39	29	WNW	4	4	WNW	9	o	-	3
York ...	29.86	+.35	35	34	+10	39	25	WNW	1	2	SW	5	e	-	*
Scarborough ...	29.86	+.32	34	33	+3	30	30	N	3	3	WSW	10	oh	-	3
Nottingham ...	29.89	+.39	35	32	+10	38	24	WNW	1	3	WSW	5	sm	0.06	*
Ardrossan ...	29.93	+.15	40	36	-2	48	?	WN	3	4	WN	5	oc	0.06	1
Greencastle ...	30.02	+.09	40	38	+5	44	35	WNW	4	4	WNW	10	gf	0.09	*
Donaghadee ...	29.95	+.16	40	38	+6	43	34	WN	5	6	WNW	7	oc	0.11	4
Kingstown ...	30.06	+.22	41	38	+8	46	32	WNW	5	6	N	9	o	0.01	3
Holyhead ...	29.96	+.29	45	41	+8	47	36	?	5	5	SW	5	de	0.09	4
Liverpool (Bidston Obs.)	29.93	+.32	40	38	+8	42	31	WNW	4	6	WNW	?	o	0.03	3
Valencia ...	30.17	+.17	48	47	+11	50	35	N	4	4	N	9	mo	0.26	4
Roche's Point...	30.08	+.22	44	43	+12	48	32	N	3	5	WNW	10	o	0.03	3
Pembroke ...	30.01	+.28	44	41	+10	47	34	WNW	3	5	N	8	mo	0.12	1
Portishead ...	29.96	+.32	40	38	+15	40	23	WNW	2	3	SE	10	mo	0.04	2
Scilly ...	30.05	+.25	49	46	+8	50	41	N	5	5	N	8	es	0.16	4
Plymouth ...	29.99	+.29	38	38	+7	41	30	N	1	2	NNE	10	f	0.11	*
Hurst Castle ...	29.93	+.30	38	38	+8	42	30	WNW	1	1	WNW	7	re	0.12	2
Dover ...	29.85	+.31	37	36	+1	37	31	WNW	3	3	SW	5	gse	0.02	1
London ...	29.88	+.33	36	35	+1	37	27	WNW	1	3	WNW	4	osc	-	*
Oxford...	29.90	+.37	37	35	+12	38	25	WN	1	2	N	9	o	0.13	*
Cambridge ...	29.87	+.37	36	34	+7	37	26	WN	1	1	SW	10	es	0.04	*
Yarmouth ...	29.81	+.37	35	35	-1	37	30	WNW	2	4	N	10	mf	0.04	3
Helder ...	29.71	+.44	40	*	+5	*	*	WNW	6	*	*	*	*	*	2
Cape Gris Nez...	29.84	+.28	39	39	+6	?	30	WN	4	3	E	10	o	0.16	3
Brest ...	30.03	+.19	47	47	+10	?	36	WNW	4	4	WNW	10	f	0.04	3
L'Orient ...	30.01	+.11	42	42	+6	?	?	WNW	4	4	NE	10	or	-	4
Rochefort ...	30.08	+.09	32	30	-2	46	28	E	3	8	NE	10	o	-	3
Biarritz ...	30.10	+	30	28		35	30	E	3	4	E	10	so	?	4
Corunna ...			*	*		*	*		*	*	*	*	*	*	*
Brussels ...	29.87	-.24	32	*	?	*	*	N	6	*	*	*	s	*	*
Charleville ...	?	?	30	*	-2	*	*	SW	3	*	*	*	o	*	*
Paris ...	29.99	-.10	30	*	-3	?	27	SSW	4	5	?	10	o	-	*
Lyons ...	?	?	33	*	-6	*	*	E	1	*	*	*	f	*	*
Toulon...	29.84	+.09	45	45	+2	47	42	SE	5	7	SE	10	r	0.03	5

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.		
Skudesnaes ...	29.52	41	40	SSW	10	*	r	6	Valencia ...	30.25	43	42	SE	2	9	r
Thurso ...	29.69	42	39	NNW	3	7	sg	4	Scilly ...	30.26	44	41	NNW	3	7	e
Scarborough...	30.01	33	32	WSW	3	9	f	3	London ...	30.18	35	33	NNW	1	3	bm
Greencastle ...	29.98	44	44	WSW	3	10	q	*	Rochefort...	30.06	37	33	NE	7	10	o
Holyhead ...	30.11	42	39	SW	3	6	mg	2								

The barometer has begun to rise again at Thurso while the fall noticed there this morning has extended S^W. At Thurso the wind has veered to WNW.

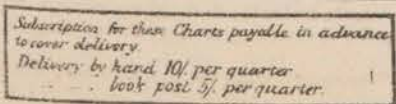
EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **WEATHER:** Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. 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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

SATURDAY 19TH DECEMBER 1874 AT 8 A.M.



Meteorological Office
116, Victoria Str^{et}. Westminster. S.W.
ROBERT H. SCOTT, Director.

Hangerfield, Lth. 22 Bedford St. Covent Garden

SUMMARY OF WEATHER IN WESTERN EUROPE

from 13TH DEC^R to 19TH DEC^R 1874.

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

During the 13th and 14th the barometer was rising briskly over these Islands, and light N^w winds prevailed, but on the 15th the wind backed to S. at Valencia, ~~and~~ a fall set in in the west and north, and a depression advanced over our Islands from the NW^w which had reached our south coast by 8 a.m. 16th. The wind circulated round this depression and reached the force of a gale on some coasts. The barometer rose quickly in the rear of the disturbance and the wind returned to the N^w, blowing a gale in the south west, but on the 18th a fresh fall occurred in the north and a depression passed in an ESE^w direction to the N^w of these Islands, but no gales were experienced. Temperature has changed very much and rapidly in some places, but has been cold generally over Central England, and a good deal of snow has fallen.

DEC^R 13TH The depression noticed in the south east on the previous day had become considerably extended and at the same time much shallower than it ^{on the 12th} was, and the barometer was rising briskly at all stations. The highest pressure lay off our west coasts, and the gradient from Ardrossan to Cape Gris Nez was 0.06 in per 50 miles. The wind was E^{ly} or NE^{ly} over the North Sea and on our north east coast but drew into N over the remainder of our Islands and France. It was light in force in the north but fresh to strong elsewhere. Temperature had fallen a few degrees everywhere. The sky was overcast except in the north-west and rain was falling at Valencia and on our east coast, ~~and~~ snow at Aberdeen.

DEC^R 14TH A further brisk rise of the mercury had taken place over our Islands, while the area of low pressure in the south east had spread itself over the whole of Central Europe becoming at the same time still more shallow. Gradients had, however, become steeper in the south east; that from Liverpool to C. Gris Nez was 0.095 in per 50 miles for NE^{ly} winds which were strong over the Channel and England, and increased to a gale at Cape Gris Nez. Over France the wind was fresh from the N^w. Temperature had again fallen except over Scotland. Snow had fallen in the north-east but at 8 a.m. the sky was moderately clear over our Islands. At 2 p.m. the barometer was rising slowly except at Thurso.

DEC^R 15TH The depression noticed during the last few days lay over the Mediterranean and the barometer had risen at all the Continental stations and over the south and east of England. In the north and west, however, a brisk fall had taken place so that a band of high pressure had been formed which stretched from south-west to north-east over Western Europe but gradients were everywhere slight. Calms or variable airs prevailed over these Islands but on the Continent fresh N^{ly} to NE^{ly} winds continued, and at Valencia the wind had veered to S. Temperature had risen in the south west but had fallen elsewhere, and a sharp frost prevailed over Gt Britain. Rain had commenced again in the south of Ireland. The sky

was cloudy except over Scotland and the north of England. By 2pm the barometer had fallen 0.3 in at Greenacres and to a less extent elsewhere.

16th DEC^r A rapid fall of the mercury had taken place during the night over England and Ireland and a well-defined depression, whose centre, at 8am, lay over the south-west of England, had advanced over our Islands from the NWth. The barometer was rising briskly in the rear of this disturbance, and the gradient from Holyhead to Portishead was 0.10 in. per 50 miles. The wind was very light over Scotland but fresh to a gale in the south, where it circulated round the above centre, being SE^{ly} in the south-east, E^{ly} over England, N^{ly} in the south-west, and WNW^{ly} over Brittany where it blew a gale. On the eastern shores of the North Sea strong N^{ly} or NE^{ly} breezes were felt. Temperature had risen a little generally. Snow was falling at a few stations and rain at Greenacres and the sky was overcast. By 2pm the depression had advanced over France and the wind increased from the E^{ly} in the night.

17th DEC^r The depression of the 16th had apparently travelled away in a Sth direction and the barometer was rising at all stations especially in the west of these Islands where the increase exceeded 0.7 in. Gradients were rather steep in the south, that from Pembroke to Rochefort being 0.09 in. per 50 miles. The wind continued light over Scotland but was moderate to fresh from NE generally, increasing to a gale at the Scaw and Scilly. Temperature had fallen, except in the east, - as much as 16° in the north of Scotland (to 16° F.), and 24° at Haparanda (to minus 13° F.). The sky was cloudy in the south-east, moderately clear elsewhere. During the day a fall of the mercury took place at Thurso, and temperature rose to 32° F.

18th DEC^r The barometer had fallen at the Scotch stations, and a new depression had advanced to the NWth of these Islands. At the same time an area of high pressure lay over the south-western stations, and gradients were steep in the north, that from Aberdeen to Sumburgh H^{ly} being 0.14 in. The wind had veered to SW at our more northern stations and to S over Norway, while NE^{ly} breezes continued over the Channel and France. The wind was very light over England, and moderate in force generally but blew freshly over Norway, with a fresh gale at Sumburgh H^{ly}, and also over the Bay of Biscay. Temperature had fallen in the south but had risen very quickly over Scotland - as much as 25° at Thurso. The weather was overcast or cloudy and rain had set in in the north. At 2pm the fall of the barometer had extended SW^{ly}, while a recovery had commenced in the north.

19th DEC^r The depression had apparently passed away to the E^{ly} and its centre lay at 8am in the neighbourhood of the Skager Rack so that a recovery had taken place in the north and north-west. Gradients were very slight over our Islands but that from Scarborough to Oso was 0.08 in. per 50 miles. NW^{ly} winds prevailed generally, drawing into W. on the eastern shores of the North Sea, where they blew freshly. At Sumburgh H^{ly} or N^{ly} gale was reported but over the remainder of our Islands the winds were moderate in force. Temperature had fallen in the north but had risen several degrees elsewhere. The sky was very cloudy, and snow was falling at all the more northern stations. In the afternoon a fresh fall of the barometer at Thurso showed the approach of a fresh disturbance.

Meteorological Office,

116, Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Director.

Sunday 8 a.m.

WEATHER REPORT. Dec^r 20th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Distance 0 to 8.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dir.	Force. (0 to 12.)	Force. (0 to 12.)					Dir.
Haparanda ...	29.92	+ .29	32	32	+ 2	*	*	SE	4	4	SE	*	o c	*	*
Hernösand ...	29.60	+ .20	33	33	+ 6	*	*	SE	6	4	SE	*	s r	*	*
Stockholm ...	29.52	+ .07	31	31	+ 7	*	*	Z	0	4	S	*	s f	*	*
Wisby ...	29.54	- .04	33	33	+ 8	*	*	S	2	2	SW	*	s	*	*
Christiansund ...	29.42	+ .06	?	?	?	*	*	ESE	4	?	?	*	o	*	1/2
Skudesnaes ...	29.36	?	?	?	?	*	*	NNE	4	?	?	*	e	*	*
Oxö (X'fiansand) ...	29.33	+ .01	26	28	- 6	*	*	NNE	4	4	NNW	*	b	*	2
Skagen (The Skaw) ...	29.38	+ .08	29	27	- 4	*	*	S	2	2	NW	*	c b	0.08	*
Fanö ...	29.33	- .17	25	25	- 8	*	*	SW	2	2	S	*	b s f	0.04	*
Cuxhaven ...	29.37	- .21	22	18	- 11	34	?	S	2	2	NW	5	s o	-	*
Simburgh Head ...	29.42	- .21	32	32	+ 1	34	30	N	7	9	N	10	s g	0.34	6
Stornoway (Hebrides) ...	29.70	- .23	37	35	+ 4	38	30	NNW	5	6	NNW	10	o w	0.10	6
Thurso ...	29.53	- .30	37	36	+ 1	40	34	NW	6	7	NW	9	s f	0.39	6
Wick ...	?	?	34	32	+ 1	41	29	N	4	7	NNW	6	p c	0.14	2
Nairn ...	?	?	36	34	+ 3	37	32	NNW	4	5	NW	9	o	0.02	3
Aberdeen ...	29.48	- .35	35	34	+ 4	37	31	NNW	4	5	NNW	8	p s	0.19	3
Leith ...	29.61	- .31	37	34	+ 4	41	32	NNW	3	5	NW	8	c w	-	*
Shields ...	29.56	- .33	34	34	- 1	35	31	N	4	6	N	8	e o	-	5
York ...	29.53	- .33	33	33	- 2	37	27	WNW	3	3	WNW	0	b	0.07	*
Scarborough ...	29.49	- .37	33	33	- 1	36	32	NNW	2	6	NW	10	c h s	0.07	4
Nottingham ...	29.63	- .26	33	32	- 2	37	23	NW	2	3	WNW	1	o w	0.10	*
Ardrossan ...	29.55	- .38	41	38	+ 1	41	36	NW	5	5	NW	6	c	-	3
Greencastle ...	29.78	- .24	40	39	0	40	37	NNW	4	4	NNW	10	g	0.10	*
Donaghadee ...	29.68	- .27	42	39	+ 2	42	37	NNW	6	6	SE	6	e	0.10	5
Kingstown ...	29.81	- .25	38	36	- 3	43	37	WNW	5	6	WNW	9	o	-	3
Holyhead ...	29.70	- .26	43	40	- 2	?	38	NW	7	7	NW	6	h g c	0.10	6
Liverpool (Bidston Obs.) ...	29.65	- .28	39	36	- 1	41	33	NW	2	5	NW	7	c	-	3
Valencia ...	29.98	- .19	47	45	- 1	50	44	N	5	6	N	7	p c	0.02	3
Roche's Point ...	29.97	- .11	41	40	- 3	47	40	NNW	5	5	SW	9	o	-	4
Pembrake ...	29.78	- .23	42	40	- 2	45	37	NNW	5	5	NNW	10	o f	0.02	3
Portishead ...	29.70	- .26	36	34	- 4	41	30	WSW	3	4	NE	10	c g	-	3
Scilly ...	29.85	- .20	45	42	- 4	49	41	NNE	6	6	NNE	8	o	0.01	5
Plymouth ...	29.77	- .22	35	34	- 3	42	31	Z	0	2	NW	10	c w	0.01	*
Hurst Castle ...	29.67	- .26	34	32	- 4	41	28	NNW	4	4	NNW	3	b	-	3
Dover ...	29.57	- .28	30	30	- 7	38	36	N	3	4	NW	5	b c	0.02	2
London ...	29.60	- .28	31	30	- 5	38	26	NW	2	4	NNW	0	r s b	0.12	*
Oxford ...	29.64	- .26	30	30	- 7	40	28	N	1	3	NW	10	c g	-	*
Cambridge ...	29.56	- .31	31	30	- 5	37	27	WNW	1	1	NW	8	c g	-	*
Yarmouth ...	29.47	- .34	32	32	- 3	36	27	WNW	4	4	WNW	10	h f	0.15	5
Helder ...	29.47	- .34	32	32	- 3	36	27	WNW	4	4	WNW	10	h f	0.15	5
Cape Gris Nez ...	29.56	- .28	34	32	- 5	41	32	NW	4	4	N	3	o b	-	3
Brest ...	29.84	- .19	42	38	- 5	50	37	N	5	5	N	10	o	0.16	2
L'Orient ...	29.79	- .22	40	36	- 2	?	?	NNW	4	4	NNW	9	o	0.04	3
Rochefort ...	29.78	- .30	34	32	+ 2	45	28	N	4	7	N	0	r b	0.04	3
Biarritz ...	29.79	- .31	36	36	+ 6	39	34	SE	3	3	E	9	r	-	3
Corunna ...	29.53	- .34	30	*	0	*	*	WSW	3	*	*	*	s	*	*
Brussels ...	29.53	- .34	30	*	0	*	*	SW	1	*	*	*	o	*	*
Charleville ...	29.54	- .34	28	*	- 2	35	28	WNW	4	4	N	8	o f	0.08	*
Paris ...	29.65	- .34	28	*	- 2	35	28	WNW	4	4	N	8	o f	0.08	*
Lyons ...	29.65	- .34	28	*	- 2	35	28	WNW	4	4	N	8	o f	0.08	*
Toulon ...	29.41	- .43	31	29	- 14	48	31	NW	8	5	SE	8	r o	0.20	6

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.		
Skudesnaes ...					*			Valencia ...	30.14	47	45	N	3	7	e	
Thurso ...	29.77	36	35	nn	5	10	h	6	Scilly ...	30.01	48	46	sw	6	8	o
Scarborough...	29.78	35	33	nn	3	2		4	London ...	29.80	37	36	wnn	1	10	os
Greencastle ...	29.99	39	38	nnn	3	8		*	Rochefort...	30.02	37	33	sw	3	10	o
Holyhead ...	29.92	40	39	nn	7	5	g	5								

The barometer has begun to fall again in the N. and NW, so that pressure is now giving slowly at all stations. The wind has freshened from NW at Holyhead, with heavy squalls. The weather is very unsettled. Warnings issued to our N, NW, & NE coasts.

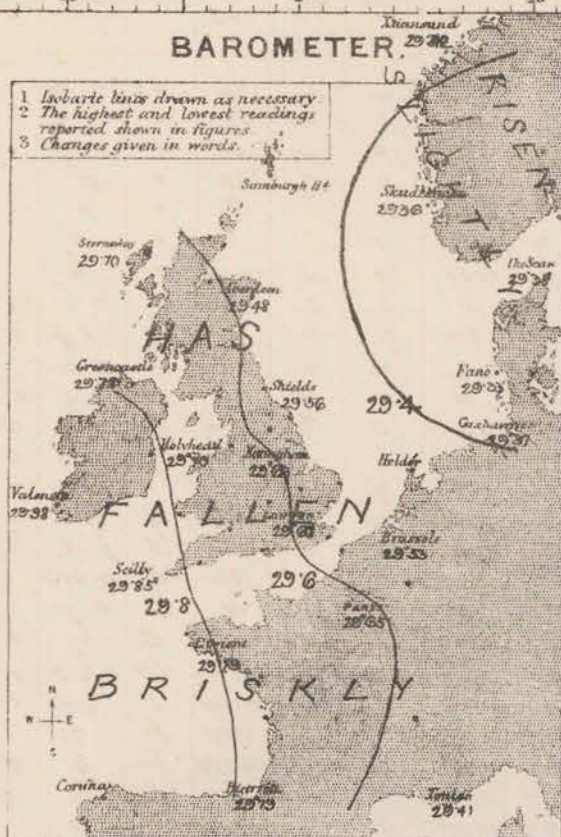
EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

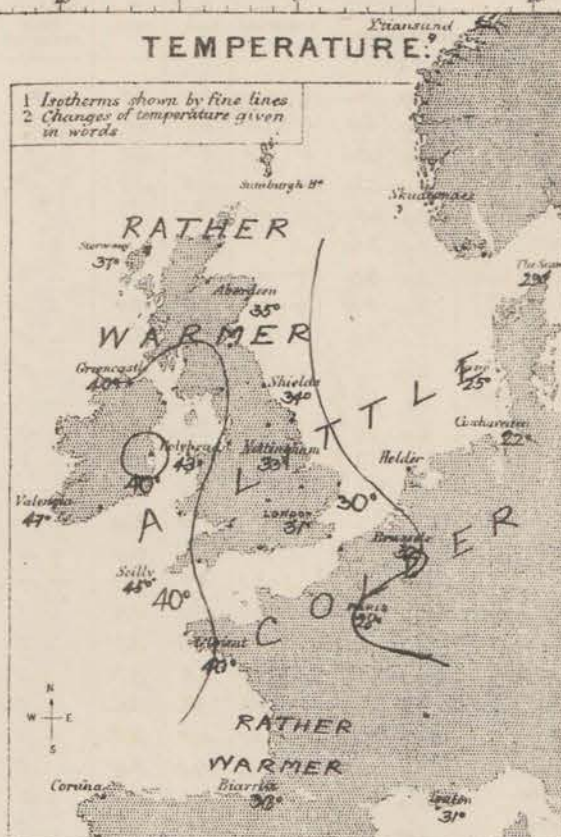
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

WEATHER CHARTS AND REMARKS FOR SUNDAY 20TH DECEMBER 1874 AT 8 A.M.



The recovery of pressure noticed in the north of our Islands yesterday morning was of short duration for by the afternoon the barometer was again falling at all stations, and pressure is now lower than it was yesterday except in Norway. A shallow depression appears to be lying a little to the S. of the Norwegian coast, but gradients are very slight over the North Sea; while that across our Islands, from Rockes Pt. to Scarborough is 0.08 in. per 50 miles.



Temperature has risen a little in Scotland and the north of Ireland but fallen in most other parts.



N. to N.W. winds continue over the United Kingdom and France; they increased to a moderate gale in the north of Scotland during the night, and have freshened a little on our western and northern coasts generally, but are moderate elsewhere. A NNE breeze prevails in the south of Norway, while light S. and SE. winds are reported from Denmark. The sea is rough in the north of Scotland, rather so at Donaghadee and Selly, moderate to smooth elsewhere.



A little rain has fallen in many parts of our Islands. The sky is very cloudy generally, and snow is falling at some of our eastern stations. Showings were visible to our north, north-west and north-east coasts yesterday.

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

Meteorological Office
116, Victoria Str.^t. Westminster, S.W.
ROBERT H. SCOTT, Director.

Dunsterfield, Lith. London

Monday 8 a.m.

WEATHER REPORT. Dec 2^d

1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Distur- bance. 0 to 9.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda	30.21	+ .29	23	22	+ 1	*	*	SE	2	2	SE	*	0	*	*
Hernösand	29.98	+ .38	31	30	- 2	*	*	E	6	6	ESE	*	0	*	*
Stockholm	29.58	+ .56	33	32	+ 2	*	*	E	8	4	E	*	0.5	*	*
Wisby	29.47	- .07	33	32	0	*	*	SE	4	4	SE	*	0	*	*
Christiansund	29.86	+ .38	35	30	?	*	*	ESE	6	?	?	*	0	*	4
Skudesnaes	?	?	32	28	?	*	*	NNE	4	6	E	*	0.0	*	2
Oxö (X'tiansand)	29.47	+ .14	30	30	+ 4	*	*	NNE	6	4	NNE	*	0.5	*	3
Skagen (The Skaw)	29.47	+ .09	32	31	+ 3	*	*	E	2	2	E	*	0.0	0.04	*
Fanö	29.46	+ .13	24	24	- 1	*	*	SE	2	6	SE	*	0.0	-	*
Cuxhaven	29.42	+ .05	23	16	+ 1	?	18	SE	3	3	SSE	9	0.0	-	*
Sumburgh Head	29.53	+ .11	35	35	+ 3	35	30	E	6	7	N	6	0.27	0.27	5
Stornoway (Hebrides)	29.57	- .13	36	34	- 1	38	30	NNW	5	5	NNW	10	0.05	0.05	5
Thurso	29.44	- .09	36	35	- 1	41	35	Z	0	7	NW	5	0.27	0.27	2
Wick	29.47	- .12	35	34	+ 1	36	29	E	5	14	N	7	0.07	0.07	3
Nairn	29.52	?	34	33	- 2	37	33	W	3	4	NNW	10	0.10	0.10	3
Aberdeen	29.45	- .03	34	33	- 1	37	32	NNW	3	4	NNW	8	0.21	0.21	3
Leith	29.56	- .05	33	30	- 4	42	30	E	1	1	NE	8	0.0	-	*
Shields	29.48	- .08	31	31	- 3	37	30	NW	4	8	N	8	0.22	0.22	5
York	29.43	- .10	31	30	- 2	38	27	W	1	4	NW	10	0.07	0.07	*
Scarborough	29.47	- .02	33	33	0	38	32	NW	1	5	NW	10	0.0	0.0	3
Nottingham	29.54	- .09	26	25	- 7	39	25	WNW	1	4	NW	10	0.0	-	*
Ardrossan	29.60	- .05	31	29	- 10	41	31	ENE	1	5	NW	2	0.0	-	0
Greencastle	29.65	- .13	37	35	- 3	41	36	NW	1	4	NNW	5	0.13	0.13	*
Donaghadee	29.58	- .10	38	36	- 4	42	36	NNW	2	6	NNW	5	0.04	0.04	2
Kingstown	29.66	- .15	36	35	- 2	42	36	NNW	3	6	NNW	8	0.0	-	3
Holyhead	29.60	- .10	39	35	- 4	44	38	NNW	3	7	SW	3	0.06	0.06	3
Liverpool (Bidston Obs.)	29.58	- .07	35	32	- 4	40	32	NW	2	4	NW	2	0.0	-	3
Valencia	29.74	- .24	45	44	- 2	52	44	N	2	7	N	6	0.29	0.29	5
Roche's Point	29.70	- .27	40	39	- 1	45	38	NW	3	5	NNW	9	0.10	0.10	3
Pembroke	29.61	- .17	41	39	- 1	44	36	NNW	3	5	NNW	7	0.01	0.01	2
Portishead	29.57	- .13	33	33	- 3	40	28	N	2	3	W	3	0.0	-	1
Scilly	29.64	- .21	45	42	0	47	42	NNE	5	6	NNW	6	0.18	0.18	4
Plymouth	29.60	- .17	34	33	- 1	42	32	N	2	2	N	1	0.08	0.08	1
Hurst Castle	29.55	- .12	29	29	- 5	38	28	N	1	5	NW	0	0.02	0.02	1
Dover	29.41	- .16	31	30	+ 1	36	29	NNW	5	4	NW	0	0.0	-	3
London	29.32	- .08	32	30	+ 1	39	25	NW	1	3	NW	10	0.0	-	*
Oxford	29.54	- .10	27	26	- 3	38	27	NW	1	2	WNW	0	0.10	0.10	*
Cambridge	29.50	- .06	28	28	- 3	37	27	NW	1	2	NW	10	0.0	-	*
Yarmouth	29.42	- .05	31	30	- 1	35	28	NW	3	5	NW	8	0.31	0.31	4
Helder	29.39	- .35	*	*	*	*	*	W	2	*	*	*	0.0	-	2
Cape Gris Nez	29.38	- .18	34	34	0	39	32	N	8	4	NW	10	0.12	0.12	6
Brest	29.62	- .22	45	41	+ 3	47	39	N	5	7	N	10	0.16	0.16	3
L'Orient	29.52	- .27	42	40	+ 2	47	39	N	4	5	NNW	8	0.0	-	3
Rocheport	29.52	- .26	43	39	+ 9	43	32	N	7	5	NNW	10	0.0	-	3
Biarritz	29.57	- .22	49	45	+ 13	?	41	NW	8	4	E	10	0.20	0.20	5
Corunna			*	*	*	*	*	*	*	*	*	*	0.0	-	*
Brussels	29.36	- .17	29	*	- 3	*	*	SW	3	*	*	*	0.0	-	*
Charleville	29.43	- .11	30	*	0	*	*	SE	1	*	*	*	0.0	-	*
Paris	29.37	- .28	31	*	+ 3	33	31	WNW	4	4	WSW	4	0.0	-	*
Lyons	29.?	?	28	*	- 9	*	*	N	3	*	*	*	0.0	-	*
Toulon	29.34	- .07	29	27	- 2	34	27	NW	7	8	NW	5	0.0	-	6

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

Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.
Skudesnaes	29.45	30	27	E	6	*	2	3	Valencia				
Thurso									Scilly				
Scarborough									London				
Greencastle									Rochefort	29.77	42	37	NW 4 10 0
Holyhead													

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

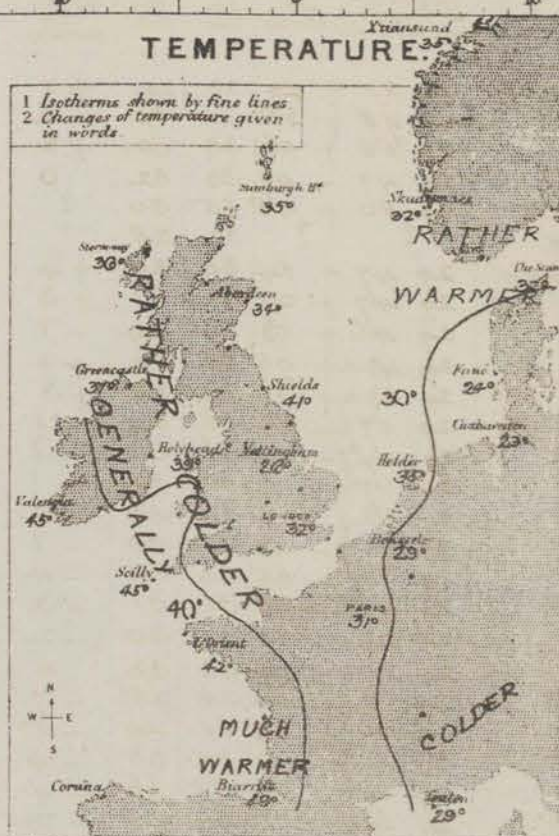
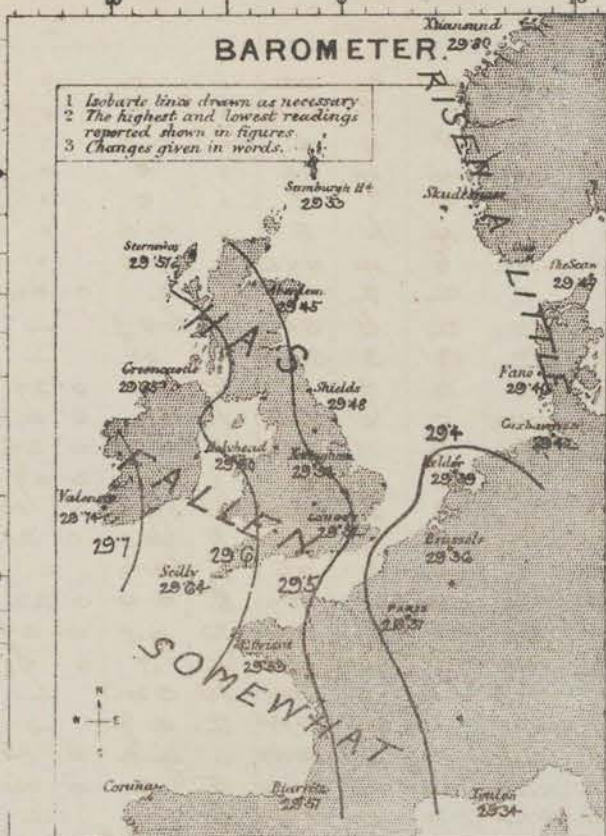
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

WEATHER CHARTS

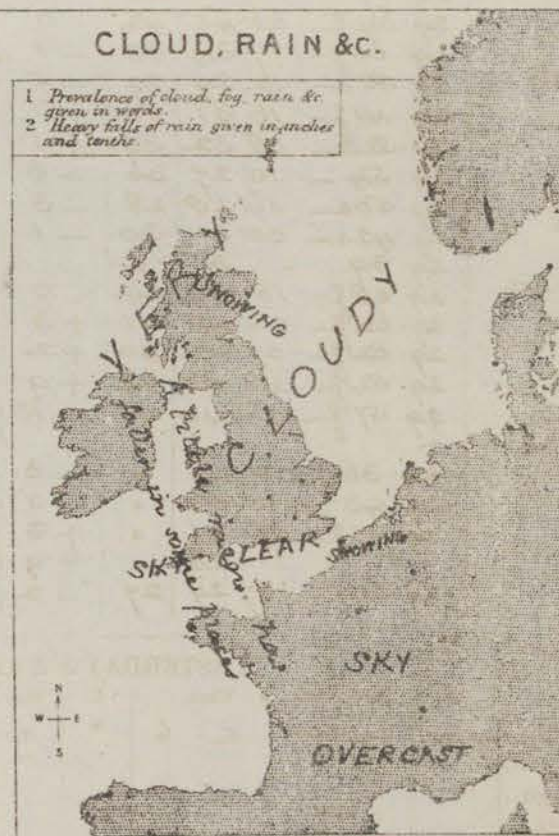
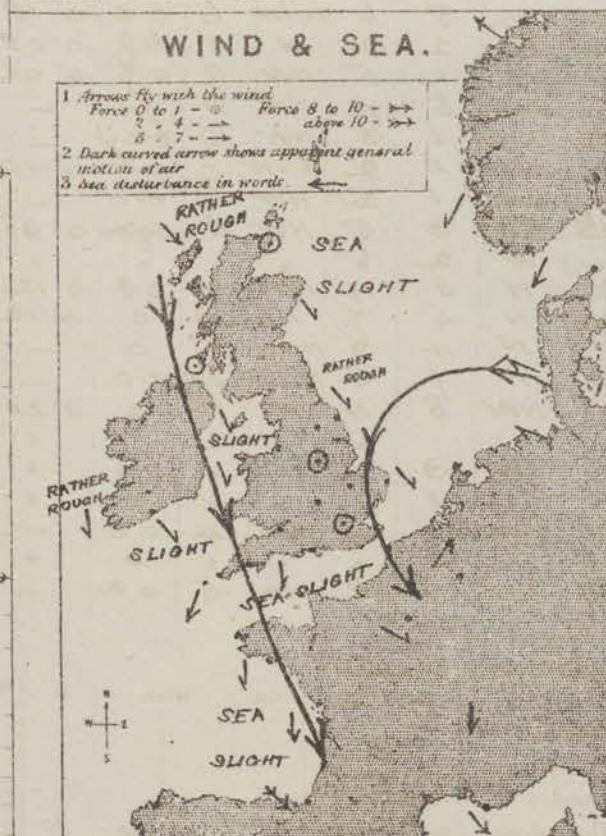
AND REMARKS FOR

MONDAY 21ST DECEMBER 1874 AT 8 A.M.



The barometer has again fallen on our own and the French coasts, but risen a little in Norway and Denmark. During the night, however, a rise has set in at several of our eastern and southern stations. Readings are very uniform over the North Sea, while across the British Isles there is one of 0.06 in per 50 miles, for N.W. winds.

Temperature continues very low over Western Europe, especially in Central England, where a sharp frost still prevails.



N.W. to N.E. winds are still very generally prevalent over the British Islands and France. In the United Kingdom they are light, but at several of the French stations they blow strongly. In Denmark the wind is E.S.E.
The sea is rather rough at Stornoway, Shields, and Falmouth, much at Cape Breton, slight in most places.

A little rain has fallen in several places. Snow prevails at several of the Scotch stations. The sky is very cloudy in the north, moderately clear in the south of England. Comes lowered this morning in the north where they had been hoisted on Saturday.

Subscription for these Charts payable in advance to cover delivery.
Delivery by hand 10/- per quarter.
Post 3/- per quarter.

Meteorological Office
116, Victoria Str^g. Westminster, S.W.
ROBERT H. SCOTT, Director.

Printed by D. Colver, 22, Bedford St. Covent Garden

Tues-day 8 a.m.

WEATHER REPORT. Dec. 22nd 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (in shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dir.	Force. (0 to 12.)	Force. (0 to 12.)					Dir.
Haparanda ...	30.19	-.02	24	24	+1	*	*	NE	4	2	NE	*	0	*	*
Hernösand ...	29.97	-.02	28	27	-3	*	*	N	4	4	NE	*	0	*	*
Stockholm ...	29.68	+1.10	27	27	-6	*	*	NE	6	6	NE	*	0	*	*
Wisby ...	29.53	+0.06	35	34	+2	*	*	NE	4	2	E	*	5	*	*
Christiansund ...	29.94	+1.14	31	30	-4	*	*	ESE	4	6	ESE	*	6	*	3
Skudesnaes ...	29.87	?	32	29	0	*	*	NNE	4	2	NNE	*	00	*	2
Oxö (X'tiansand)	29.81	+3.34	33	31	+3	*	*	NNE	6	6	NNE	*	50	*	4
Skagen (The Skaw)	29.76	+2.29	32	28	0	*	*	ENE	4	4	ENE	*	20	-	*
Fanö ...	29.55	+1.19	32	32	+8	*	*	NE	4	0	Y	*	80	-	*
Cuxhaven ...	29.59	+1.17	32	31	+9	?	23	N	3	3	ESE	8	0	-	*
Simburgh Head	29.86	+3.38	37	37	+2	37	28	E	3	4	E	5	pc	0.03	4
Stornoway (Hebrides.)	29.80	+2.23	29	28	-7	38	27	NW	1	4	NE	1	st	0.11	2
Thurso ...	29.87	+4.43	22	21	-14	38	21	Y	0	3	E	4	000	0.04	2
Wick ...	29.88	+4.41	19	19	-16	36	19	N	1	5	E	3	06	0.12	2
Nairn ...	29.86	+3.34	30	30	-4	36	28	Y	0	3	W	9	0	0.12	3
Aberdeen ...	29.81	+3.36	31	30	-3	36	30	NNW	1	3	NNW	5	she	0.36	3
Leith ...	29.83	+2.27	33	32	0	37	31	W	2	8	S	10	po	0.04	*
Shields ...	29.80	+3.32	30	30	-11	36	28	W	1	4	ESE	9	os	0.17	2
York ...	29.64	+2.21	16	16	-10	34	16	N	1	1	N	5	sf	0.06	*
Scarborough ...	29.79	+3.32	31	30	-2	37	31	W	1	1	NW	7	sc	0.10	2
Nottingham ...	29.78	+2.24	28	27	+2	38	21	ENE	2	3	NW	10	cl	-	1
Ardrossan ...	29.81	+2.21	26	26	-5	42	26	E	2	3	NNW	3	cl	-	*
Greencastle ...	29.76	+1.11	34	33	-3	39	33	E	2	3	NW	2	cl	0.02	3
Donaghadee ...	29.73	+1.15	37	35	-1	40	35	ESE	4	4	ESE	6	c	-	3
Kingstown ...	29.74	+1.08	37	35	-1	40	34	SSW	3	4	WNW	6	c	0.05	*
Holyhead ...	29.73	+1.13	34	33	-5	43	33	N	2	4	NNW	10	sf	0.17	2
Liverpool (Bidston Obs.)	29.78	+2.20	28	27	-7	39	27	NE	1	3	NW	3	bf	-	3
Valencia ...	29.60	-1.14	42	40	-3	50	34	SSE	3	3	N	7	gc	0.04	*
Roche's Point...	29.65	-1.05	38	37	-2	42	36	E	4	4	E	9	mo	0.08	4
Pembroke ...	29.69	+1.08	34	33	-7	42	33	ENE	4	4	ENE	4	co	-	2
Portishead ...	29.71	+1.14	30	29	-3	41	27	E	4	4	NE	10	ow	0.03	3
Scilly ...	29.67	+1.03	43	42	-2	46	41	Y	0	5	N	9	co	0.28	3
Plymouth ...	29.68	+1.08	32	31	-2	40	29	NE	1	2	NW	2	inf	-	*
Hurst Castle ...	29.73	+1.18	32	31	+3	37	30	E	2	3	NW	3	sf	0.02	1
Dover ...	29.73	+1.32	31	30	0	34	28	NNW	4	5	NNW	5	scg	0.03	2
London ...	29.76	+1.24	28	28	-4	35	22	E	1	2	N	10	og	-	*
Oxford ...	29.75	+1.21	25	25	-2	35	20	NE	1	2	NW	10	cl	-	*
Cambridge ...	29.81	+1.31	26	26	-2	33	24	NW	1	1	NW	10	cl	0.06	*
Yarmouth ...	29.76	+1.34	26	26	-5	34	25	WNW	2	3	NW	8	sf	0.06	4
Helder ...	29.72	+1.33	30	*	-5	*	*	NE	3	*	*	*	*	*	2
Cape Gris Nez...	29.72	+1.34	35	31	+1	36	33	NNE	1	8	N	10	co	0.04	1
Brest ...	29.70	+1.06	40	40	-5	46	38	E	4	5	N	10	02	0.20	3
L'Orient ...	29.63	+1.10	37	37	-5	?	?	ENE	4	4	NW	10	02	0.04	3
Rocheport ...	29.72	+1.20	37	35	-6	45	34	?	4	7	N	10	02	-	3
Biarritz ...	29.73	+1.16	46	42	-3	?	39	SW	5	8	NW	9	1	1.18	5
Corunna ...			*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels ...	29.73	+1.37	28	*	-1	*	*	NE	1	*	*	*	0	*	*
Charleville ...	29.72	+1.29	28	*	-2	*	*	W	3	*	*	*	0	*	*
Paris ...	29.73	+1.36	28	*	-3	51	26	SE	1	4	N	10	fw	0.08	*
Lyons ...	29.71	?	32	*	+4	*	*	N	1	*	*	*	0	*	*
Toulon ...	29.58	+1.24	28	24	-1	34	27	NW	7	7	NW	2	cl	-	6

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

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.
Skudesnaes ...	29.64	31	27	? ?	*	b	2	Valencia ...	29.70	48	46	N	1	8	3
Thurso ...	29.63	35	34	ESE 1	5	c	2	Scilly ...	29.68	45	42	N	5	7	4
Scarborough...	29.49	34	34	NNW 1	10	s	3	London ...	29.53	35	33	NW	1	10	3
Greencastle ...	29.62	39	38	NW 3	9	f	*	Rocheport...	29.63	43	38	NNE	5	5	*
Holyhead ...	29.57	42	38	NNW 4	3	b	3								

The recovery of pressure has now extended to all but our N^w stations, and has been greatest in the N. of Scotland. Light winds from the NW^o still prevail over our Islands.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

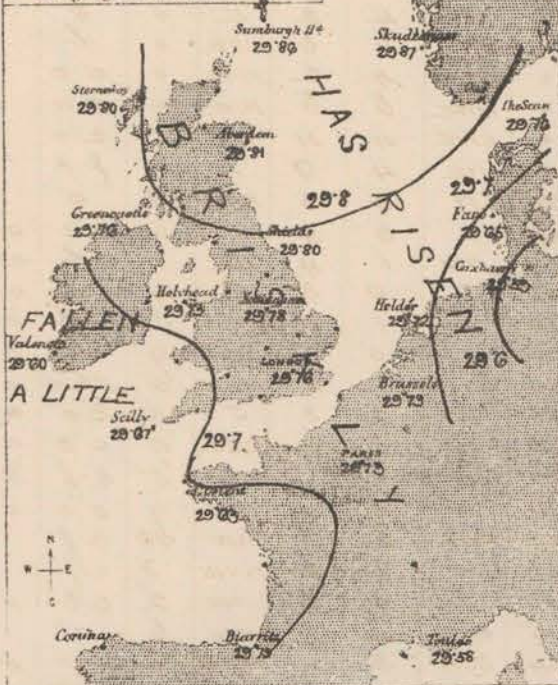
WEATHER CHARTS

AND REMARKS FOR

TUESDAY 22ND DECEMBER 1874 AT 8 A.M.

BAROMETER.

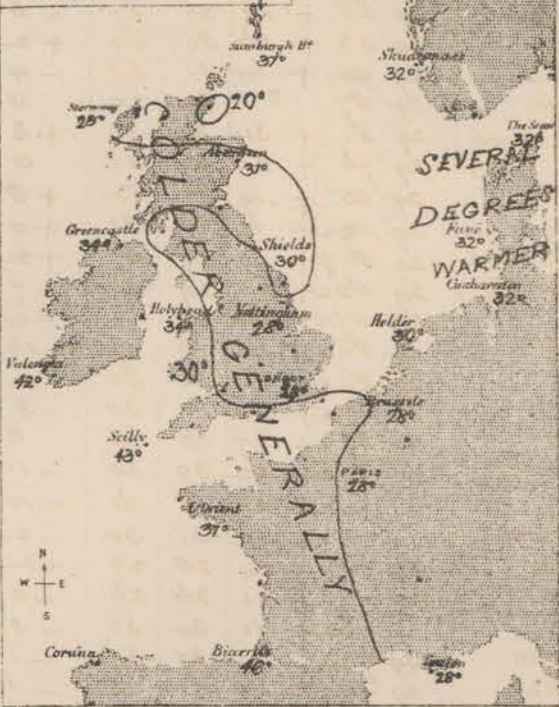
- 1 Isohyets lines drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words.



The recovery of pressure which had commenced in Norway yesterday has now extended to all stations but those in the south-west of our Islands, where the mercury still falls slowly. The lowest readings are found in the south of Ireland and in North Germany, but pressure is very uniform.

TEMPERATURE.

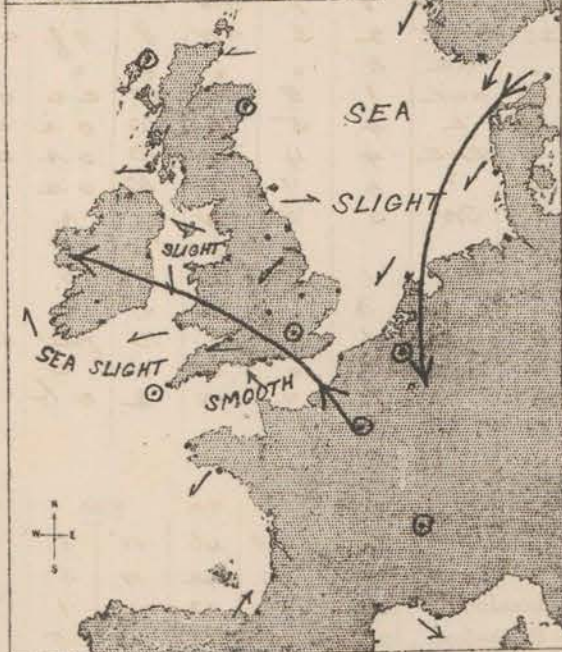
- 1 Isotherms shown by fine lines
- 2 Changes of temperature given in words.



Temperature has risen several degrees in Denmark but fallen in most other places - as much as 16° in Callinness, where, as well as in Central England, the weather is very cold. York is 2° colder than Scilly.

WIND & SEA.

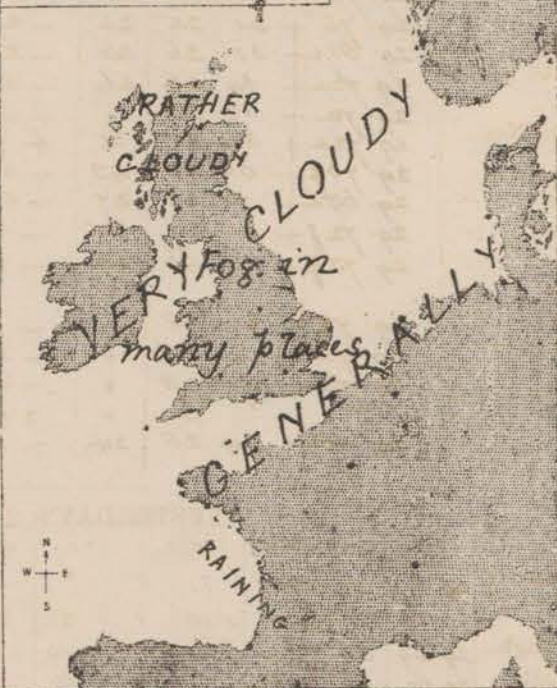
- 1 Arrows fly with the wind
Force 0 to 1 - 0
Force 2 to 10 - 10
Force 10 to 12 - 12
- 2 Dark curved arrow shows apparent general motion of air
- 3 Sea disturbance in words



Moderate E winds have now set in at all the western and south-western stations, while on our east coasts light N air prevails. At Valencia, however, a SSE breeze is felt today. Moderate to fresh breezes from N or NE are reported from the eastern shores of the North Sea. The sea is slight generally.

CLOUD, RAIN & C.

- 1 Prevalence of cloud, fog, rain &c given in words
- 2 Heavy falls of rain given in inches and tenths



Some snow has fallen at many stations, and rain in a few places. The sky is very cloudy, with much fog and mist, except in the north and rain is falling in the west of France.

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 Str^{et}, Westminster, S.W.
ROBERT H. SCOTT, Director.

Wednesday 8 a.m.

WEATHER REPORT. Dec^r 23rd

1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 2.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda	30.31	+12	-3	-3	-27	*	*	N	6	4	N	*	6	*	*
Hörnösand	29.95	-02	17	17	-11	*	*	NE	6	6	NE	*	0.5	*	*
Stockholm	29.55	-13	27	26	0	*	*	NE	4	6	NE	*	0	*	*
Wisby	29.48	-05	32	31	-3	*	*	NE	2	4	NE	*	3.1	*	*
Christiansund	29.92	-02	27	25	-4	*	*	ESE	4	2	?	*	6	*	2
Skudesnaes	29.83	-04	26	23	-6	*	*	E	2	2	NNW	*	6	*	1
Oxö (X'tiansand)	29.76	-05	29	26	-4	*	*	NNE	4	4	NNE	*	0	*	2
Skagen (The Skaw)	29.71	-05	30	29	-2	*	*	NE	6	4	NE	*	0.5	-	*
Fanö	29.75	+10	27	26	-5	*	*	NNE	2	2	NNE	*	0.6	-	*
Cuxhaven	29.75	+16	32	31	0	?	29	NNW	4	5	NNE	7	0	-	*
Sumburgh Head	29.83	-03	36	34	-1	40	33	N	1	1	N	5	0	-	2
Stornoway (Hebrides)	29.84	+04	26	25	-3	29	20	W	1	1	W	1	0	-	2
Thurso	29.88	+01	31	30	+9	34	20	Z	0	1	S	7	0	0.04	1
Wick	29.86	-02	30	29	+11	33	17	Z	0	1	N	10	0	0.03	0
Nairn	29.90	+04	22	22	-8	31	22	Z	0	0	Z	0	0.6	0.01	1
Aberdeen	29.88	+07	33	32	+2	35	30	NNW	1	1	NNW	9	com	-	2
Leith	29.95	+12	30	30	-3	34	25	NNW	1	3	W	8	com	-	*
Shields	29.93	+13	30	30	0	34	25	W	2	3	W	6	com	0.03	2
York	29.93	+29	26	26	+10	27	16	NNW	1	1	N	4	com	-	*
Scarborough	29.89	+10	33	32	+2	35	29	NW	2	2	NW	10	com	-	2
Nottingham	30.01	+23	18	17	-10	29	16	W	1	1	ENE	10	com	-	*
Ardrossan	29.95	+14	23	23	-3	33	23	NE	2	2	E	4	com	-	1
Greencastle	29.88	+12	35	33	+1	36	32	SSE	2	3	E	9	com	-	*
Donaghadee	29.89	+16	35	34	-2	38	32	ESE	4	6	E	16	com	-	3
Kingstown	29.94	+20	35	33	-2	39	33	S	3	4	ESE	10	com	-	3
Holyhead	29.93	+20	32	32	-2	35	28	S	1	3	ENE	3	com	-	0
Liverpool (Bidston Obs.)	29.94	+19	24	23	-4	34	23	ESE	2	2	ESE	10	com	-	1
Valencia	29.84	+24	44	43	+2	49	38	W	2	3	W	9	com	0.20	3
Roche's Point	29.84	+19	42	42	+4	44	37	SW	2	5	SE	10	com	0.12	4
Pembroke	29.94	+25	33	33	-1	36	29	E	3	5	ESE	10	com	-	2
Portishead	29.98	+27	24	24	-6	34	22	E	1	4	E	6	com	-	1
Scilly	29.95	+28	43	40	0	46	41	S	4	6	ESE	8	com	0.02	5
Plymouth	29.97	+29	31	31	-1	39	30	ENE	1	3	E	1	com	-	*
Hurst Castle	30.00	+27	24	24	-8	32	22	NE	1	3	NE	10	com	-	1
Dover	29.95	+22	29	28	-2	35	24	NE	3	4	NNW	5	com	-	2
London	30.00	+24	21	21	-7	32	21	Z	0	1	E	10	com	-	*
Oxford	30.01	+26	19	19	-6	26	19	Z	0	1	NE	10	com	-	*
Cambridge	29.98	+17	22	21	-4	28	17	SW	1	1	NE	10	com	-	*
Yarmouth	29.92	+16	32	32	+6	32	24	NNW	2	2	NNW	10	com	-	4
Helder	29.87	+15	35	*	+5	*	*	W	2	*	*	*	com	-	2
Cape Gris Nez	29.91	+19	35	33	0	38	28	N	3	2	E	8	com	-	3
Brest	29.99	+29	36	32	-4	43	33	SSE	4	5	SE	7.5	com	-	3
L'Orient	29.93	+36	32	30	-5	?	?	E	3	3	ESE	6	com	0.04	3
Rochefort	29.88	+16	28	26	-9	42	25	ENE	7	7	SSE	0	com	0.20	3
Biarritz	29.73	+00	49	47	+3	55	46	W	7	7	NNW	10	com	0.43	4
Corunna															*
Brussels	29.90	+17	32	*	+4	*	*	SW	3	*	*	*	com	-	*
Charleville	29.99	+27	27	*	-1	*	*	SW	1	*	*	*	com	-	*
Paris	29.98	+25	24	*	-4	30	22	W	4	4	SE	10	com	-	*
Lyons	29.98	?	32	*	0	*	*	N	3	*	*	*	com	-	*
Toulon	29.69	+11	34	32	+6	35	29	E	3	7	NW	6	com	-	2

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

	Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wca.	
Skudesnaes ...					*			Valencia ...	29.59	43	42	SSE	3	9	3
Thurso ...	29.91	31	30	Z	0	10	2	Scilly ...	29.64	45	43	ESE	4	8	3
Scarborough...	29.83	35	33	W	1	6	2	London ...	29.80	32	31	E	1	10	6
Greencastle ...	29.82	36	35	E	3	2	*	Rocheport...	29.74	36	34	SSE	7	10	2
Holyhead ...	29.77	35	33	ESE	3	0	1								

The barometer continues to rise except in the SW, where a slight further fall has occurred. The winds show little change since the morning.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

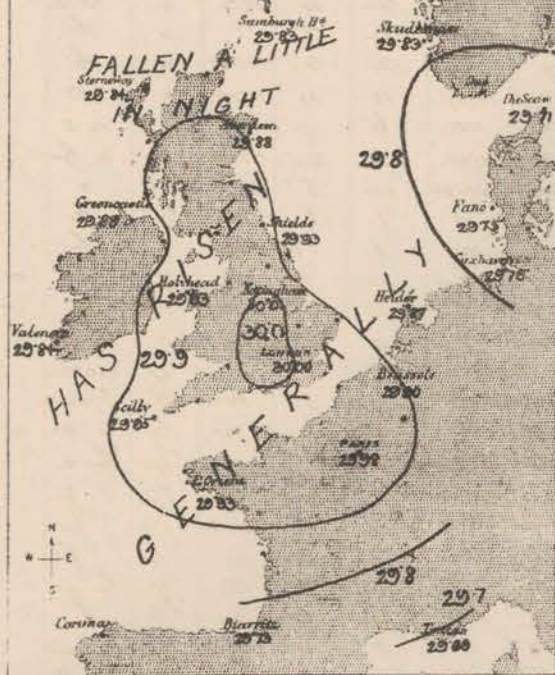
WEATHER CHARTS

AND REMARKS FOR

WEDNESDAY 23RD DECEMBER 1874 AT 8 A.M.

BAROMETER

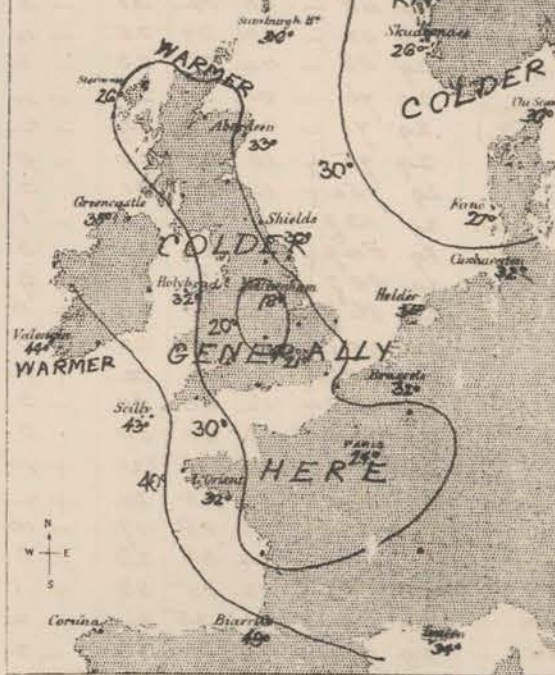
- 1 Isobars lines drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words.



A further rise of the barometer has taken place over Western Europe since yesterday morning, especially over Central and southern England; but during the night a slight fall has set in on our most northern coasts and at Valence. Readings are now very uniform.

TEMPERATURE

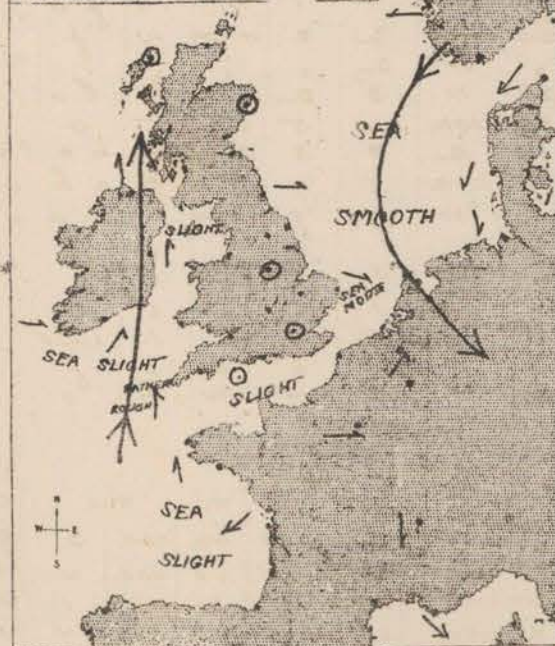
- 1 Isotherms shown by fine lines
- 2 Changes of temperature given in words



Temperature has again fallen over Britain and France but risen in Ireland and Holland. A very hard frost now prevails in most parts of S. Britain. Scilly is 24° warmer than Oxford.

WIND & SEA.

- 1 Arrows fly with the wind Force 0 to 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - above 10 -
- 2 Dark curved arrow shows apparent general motion of air
- 3 Sea disturbance in words



The wind is extremely light and variable in our Islands - chiefly N. to S. in Ireland, and N.W. in Scotland, while in the west of France E. breezes are reported.

The sea is smooth or nearly so except at Scilly and Yarmouth.

CLOUD, RAIN & C.

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



Rain is falling in the south of Ireland; very much fog prevails at the Scotch and English stations, and the sky is cloudy generally.

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

Meteorological Office
116, Victoria St. Westminister. S.W.
ROBERT H. SCOTT, Director.

Thursday 8 a.m.

WEATHER REPORT. Dec 24 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. — In past 24 Hours.	Sea Disturb- ance. — 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
Haparanda ...						*	*						*		*
Hernösand ...						*	*						*		*
Stockholm ...						*	*						*		*
Wisby ...						*	*						*		*
Christiansund ...						*	*						*		*
Skudesnaes ...						*	*						*		*
Oxö (X'tiansand)						*	*						*		*
Skagen (The Skaw)						*	*						*		*
Fanö ...						*	*						*		*
Cuxhaven ...	29.832	+0.08	29	28	-3	?	25	S	2	2	NW	8	bo	—	*
Samburgh Head ...	29.562	-0.27	36	35	0	40	33	ESE	4	1	N	9	co	—	3
Stornoway (Hebrides.)	29.408	-0.36	35	34	+9	37	26	W	2	6	S	7	fo	0.15	3
Thurso ...	29.532	-0.35	33	33	+2	35	25	L	0	1	S	10	bs	0.05	0
Wick ...	29.542	-0.32	36	35	+6	36	26	S	2	2	S	10	go	0.05	0
Nairn ...	29.522	-0.38	31	30	+9	?	20	L	0	0	L	10	go	0.02	1
Aberdeen ...	29.552	-0.33	30	29	-3	34	18	L	0	1	WNW	10	bm	—	1
Leith ...	29.572	-0.38	34	33	+4	34	22	NNE	1	1	SW	10	ms	0.01	*
Shields ...	29.542	-0.39	31	31	+1	32	26	W	1	2	WNW	9	fg	—	2
York ...	29.562	-0.37	33	33	+7	34	20	S	1	1	S	10	fg	0.14	*
Scarborough ...	29.582	-0.31	33	33	0	35	26	S	3	3	S	10	bs	0.19	2
Nottingham ...	29.562	-0.45	33	33	+15	34	18	SSE	3	3	SW	10	s	0.11	*
Ardrossan ...	29.542	-0.41	31	31	+8	31	23	NE	1	2	E	9	sf	0.06	1
Greencastle ...	29.562	-0.32	37	37	+2	37	34	L	0	4	S	9	go	0.08	*
Donaghadee ...	29.492	-0.40	40	39	+5	42	35	SE	6	6	SE	10	co	0.12	4
Kingstown ...	29.572	-0.43	40	40	+5	43	35	WNW	4	3	S	10	nd	0.41	3
Holyhead ...	29.442	-0.49	41	40	+9	42	29	NE	2	5	SSW	10	row	0.36	2
Liverpool (Bidston Obs.)	29.472	-0.50	33	32	+9	33	24	ESE	3	4	SE	10	so	0.34	2
Valencia ...	29.622	-0.15	45	43	+1	52	43	N	4	4	N	5	rc	0.75	4
Roche's Point...	29.602	-0.24	41	40	-1	47	36	NNW	5	6	SW	6	rc	0.68	4
Pembroke ...	29.472	-0.47	44	43	+11	49	38	NW	4	7	SW	8	mp	0.62	3
Portishead ...	29.432	-0.53	38	38	+14	38	23	WNW	3	16	SW	10	sg	0.26	3
Scilly ...	29.582	-0.37	47	45	+4	47	41	NNW	6	6	S	7	oc	0.76	6
Plymouth ...	29.462	-0.57	43	43	+12	50	31	NW	3	8	SSW	1	gf	0.82	*
Hurst Castle ...	29.432	-0.57	40	40	+16	42	24	S	6	6	S	10	fg	0.78	5
Dover ...	29.692	-0.27	34	33	+5	39	27	S	6	2	WNW	10	cws	—	5
London ...	29.572	-0.43	34	33	+13	37	19	S	3	5	S	10	fas	0.04	*
Oxford...	29.492	-0.52	34	34	+15	34	19	SSE	3	4	SSE	10	fg	0.10	*
Cambridge ...	29.592	-0.39	33	33	+12	34	19	SE	1	1	SW	10	os	—	*
Yarmouth ...	29.672	-0.25	34	34	+2	35	23	S	4	4	SSW	10	fo	0.05	4
Helder...	29.742	-0.08	34	*	-1	*	*	WSW	4	*	*	*	*	*	2
Cape Gris Nez...	29.732	-0.18	28	28	-7	42	28	S	5	3	NNW	10	co	—	4
Brest ...															
L'Orient ...	29.622	-0.31	57	57	+19	?	?	WSW	5	5	WSW	10	rc	0.59	5
Rocheport ...															
Biarritz ...	30.062	+0.33	42	42	-7	43	35	S	4	4	NE	9	or	—	6
Corunna ...															
Brussels ...	29.86	-0.04	30	*	-2	*	*	SW	3	*	*	*	o	*	*
Charleville ...	?	?	28	*	+1	*	*	SE	3	*	*	*	o	*	*
Paris ...	29.892	-0.09	25	*	+1	26	20	SE	5	4	WNW	10	o	—	*
Lyons ...	?	?	32	*	0	*	*	N	3	*	*	*	*	*	*
Toulon...	29.942	+0.28	39	35	+5	42	37	E	1	1	E	3	eb	—	2

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

	Bar.	Dry.	Wet.	Wind.	O.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	O.	Wea.		
Skudesnaes ...	29.83	31	28	ESE	4	*	o	2	Valencia ...	29.72	40	40	SW	3	9	2
Thurso ...	29.80	32	31	S	1	3	b	0	Scilly ...	29.95	43	41	SSW	5	8	0.2
Scarborough...	29.90	33	32	SW	1	4	e	2	London ...	30.01	25	25	L	0	10	om
Greencastle ...	29.74	36	34	S	4	10	g	*	Rocheport...	30.01	32	32	E	5	6	c
Holyhead ...	29.87	35	33	SSE	2	6	f	1								

The barometer is falling very briskly at the Wⁿ stations, but rising in France, and S to SW winds have set in along our Wⁿ coasts, with damp weather.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

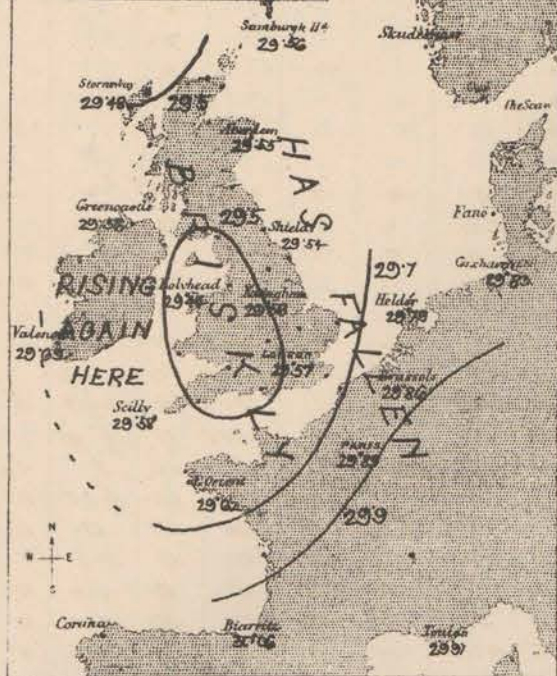
WEATHER CHARTS

AND REMARKS FOR

THURSDAY 24TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

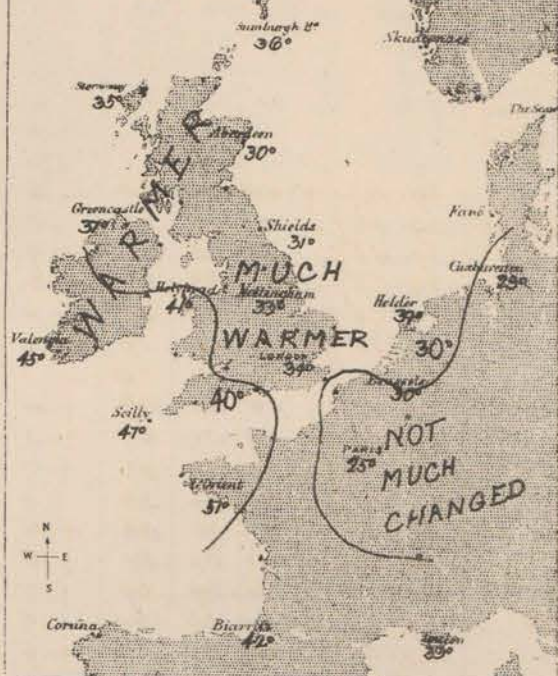
- 1 Isobars lines drawn as necessary.
- 2 The highest and lowest readings reported shown in figures.
- 3 Changes given in words.



The fall of the barometer, noticed in the west yesterday, has extended over the whole of Western Europe, and the centre of a well-defined depression has advanced to the western parts of England. A recovery of pressure has now set in at the Irish stations, and while from Dover to Portsmouth there is a gradient of 0.09 in. per 50 miles for S. winds, over Ireland there is one of 0.055 in. for N. winds.

TEMPERATURE.

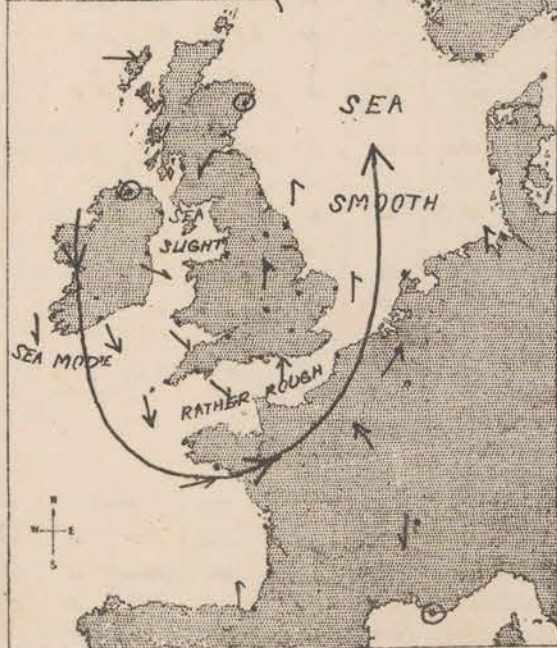
- 1 Isotherms shown by fine lines.
- 2 Changes of temperature given in words.



Temperature has risen very considerably over 3° Britain and the north-west of France - as much as 16° at Hurst Castle, and 10° at Lorient. Over Central France it is still low.

WIND & SEA.

- 1 Arrows fly with the wind.
Force 0 to 1 - ○
2 - - -
3 - - -
Force 8 to 10 - >>>
above 10 - >>>
- 2 Dark curved arrow shows apparent general motion of air.
- 3 Sea disturbance in words.



The S. winds which prevailed in the west yesterday have now reached our eastern and south-eastern coasts, but have been succeeded in the west by a return of N. winds. In Scotland calm prevails.

The sea is rather rough in the south-east, moderate to smooth elsewhere.

CLOUD, RAIN & C.

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



Rain, snow or sleet has fallen in nearly all parts of the kingdom, heavily on our south and south-west coasts. The sky is overcast generally, and the weather unsettled.

Note: The report for tomorrow (Christmas Day) will be issued with that for Monday.

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 Str., Westminster, S.W.
ROBERT H. SCOTT, Director.

Deane's Field, 11th 22 Bedford St. Covent G.

Fri. day 8 a.m.

WEATHER REPORT.

December 25th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade)					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 8.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirce.	Force. (0 to 12.)	Force. (0 to 12.)	Dirce.				
Haparanda ...	29.72	- .41	-15	-15	-1	*	*	N	4	4	N	*	b	*	*
Hernösand ...	30.00	- .01	-16	-16	-15	*	*	N	2	2	N	*	b	*	*
Stockholm ...	29.92	?	3	2	-19	*	*	NNN	4	4	NNN	*	o	*	*
Wisby ...	29.90	+ .23	23	23	-1	*	*	N	4	4	NE	*	s	*	*
Christiansund ...	29.76	- .02	28	26	+4	*	*	ESE	2	2	ESE	*	cb	*	3
Skudesnaes ...	29.81	+ .01	30	28	+2	*	*	ESE	6	4	ESE	*	co	*	4
Oxö (X'tiansand) ...	29.91	+ .03	22	21	0	*	*	NNE	4	6	NE	*	os	*	2
Skagen (The Skaw) ...	29.94	+ .04	18	15	-3	*	*	E	2	2	E	*	o	-	*
Fanö ...	29.83	- .01	22	21	-2	*	*	E	4	4	ESE	*	c	-	*
Cuxhaven ...	?	?	32	31	+2	?	21	ESE	4	1	S	9	bo	-	*
Sumburgh Head ...	29.57 s	- .05	37	35	+1	40	33	N	1	3	SE	8	p	0.11	3
Stornoway (Hebrides) ...	29.62 r	+ .14	29	28	-6	37	28	N	1	2	N	2	pb	0.15	2
Thurso ...	29.60 r	+ .07	33	32	0	37	32	SSW	1	2	S	4	oc	0.04	2
Wick ...	29.64 r	+ .10	30	29	-6	36	30	NN	1	3	S	4	bc	0.07	2
Nairn ...															
Aberdeen ...															
Leith ...	29.74 r	+ .47	28	28	-6	34	26	N	1	1	N	10	ofs	0.05	*
Shields ...	29.72 r	+ .18	29	29	-2	34	28	NNN	2	2	SW	9	sfo	0.03	2
York ...	29.71 r	+ .15	33	32	0	34	32	NNN	1	1	S	10	o	-	*
Scarborough ...	29.75 r	+ .17	34	33	+1	35	33	S	1	3	S	8	o	0.03	2
Nottingham ...	29.77 r	+ .21	32	32	-1	34	31	N	1	3	NW	10	sg	0.10	*
Ardrossan ...	29.71 r	+ .17	32	32	+1	35	27	E	1	2	NE	5	f	0.01	0
Greencastle ...	29.77 r	+ .21	35	34	-2	39	33	NNN	2	2	NNN	5	c	0.13	*
Donaghadee ...	29.71 r	+ .22	33	33	-7	41	32	NN	2	5	NE	3	o	0.04	1
Kingstown ...	29.77 r	+ .26	37	36	-3	44	36	N	3	5	NN	8	am	0.01	2
Holyhead ...	29.73 r	+ .29	41	39	0	44	39	N	1	3	NN	6	tm	0.06	1
Liverpool (Bidston Obs.) ...															
Valencia ...	29.80 r	+ .11	45	43	0	52	43	N	2	3	NN	6	c	0.02	3
Roche's Point ...	29.79 r	+ .19	40	38	-1	45	37	NNN	2	5	NNN	3	cb	-	3
Pembroke ...	29.75 r	+ .28	40	40	-4	45	39	NN	1	3	NN	10	o	-	2
Portishead ...	29.76 r	+ .33	34	33	-4	41	31	L	0	3	N	10	gm	-	1
Scilly ...	29.70 s	+ .12	41	41	-6	48	40	ENE	2	6	NNN	9	ct	0.29	5
Plymouth ...	29.74 r	+ .28	38	38	-5	46	37	2	0	4	NN	10	od	-	*
Hurst Castle ...	29.76 r	+ .33	37	36	-3	41	33	NE	1	6	SW	10	gm	0.04	3
Dover ...	29.76 r	+ .07	34	33	0	37	32	NNN	2	7	S	10	sdo	0.12	2
London ...	29.76 r	+ .19	34	34	0	37	33	N	1	3	S	10	soq	0.02	*
Oxford ...	29.76	+ .27	34	33	0	36	34	WSN	1	2	SE	10	mg	0.01	*
Cambridge ...	29.76 r	+ .17	34	33	+1	35	32	NN	1	1	SE	10	so	0.14	*
Yarmouth ...	29.75 r	+ .08	32	32	-2	35	30	N	1	4	SSE	10	sf	0.07	3
Helder ...															
Cape Gris Nez ...	29.75 r	+ .02	36	34	+8	?	27	NW	3	5	S	9	fo	0.04	2
Brest ...	29.72 f	+ .09	43	43	?	52	42	SE	5	7	WSN	10	r	0.20	4
L'Orient ...	29.69 f	+ .07	45	45	-6	47	45	SSE	4	5	NN	10	or	0.36	5
Rocheport ...	29.85 r	- .04	48	46	-3	53	?	N	7	8	NNN	10	r	0.75	3
Biarritz ...	30.03 r	- .03	52	48	+10	52	46	SW	5	8	N	9	o	-	8
Corunna ...															
Brussels ...	29.80	- .06	31	*	+1	*	*	SW	3	*	*	*	c	*	*
Charleville ...	?	?	32	*	+4	*	*	SW	3	*	*	*	o	*	*
Paris ...	29.81 r	- .08	35	*	+10	38	33	?	1	8	S	10	to	0.12	*
Lyons ...	?	?	36	*	+4	*	*	SW	?	*	*	*	c	*	*
Toulon ...	29.97 r	.00	39	39	0	44	38	NE	1	1	NN	10	om	0.16	3

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	29.77	29	26	ESE	4	*	o	3	Valencia ...	29.76	46	44	NN	3	5	c
Thurso ...									Scilly ...	29.65	48	46	NNN	6	6	c
Scarborough...	29.55	34	34	SSW	3	10	s	3	London ...	29.47	37	36	Z	0	10	sgd
Greencastle ...	29.61	29	28	NNN	1	2	b	*	Rocheport...	29.75	49	47	N	8	?	r
Holyhead ...	29.55	41	40	NNE	2	6	mr	2								

The barometer continues to fall at the E-stations but has risen in the W. At Valencia however the rise appears to have ceased since noon and the wind has backed to NW.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **WEATHER:** Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. 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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

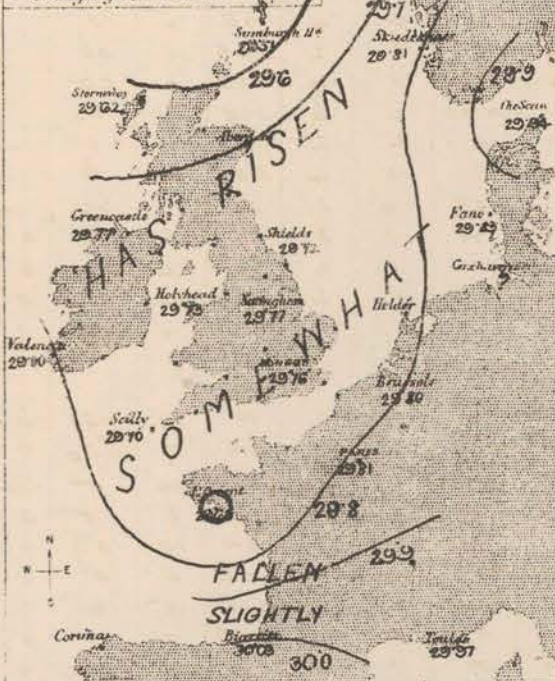
WEATHER CHARTS

AND REMARKS FOR

FRIDAY 25TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

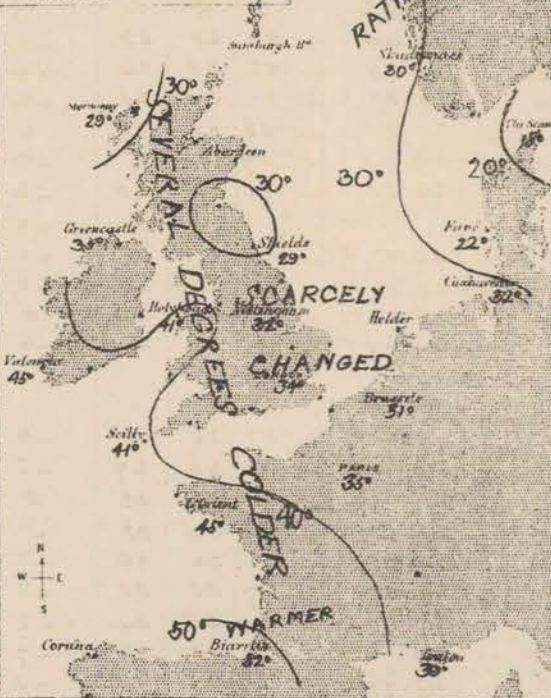
- 1 Isobars lines drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words.



Pressure has increased somewhat over the whole of our Islands as well as in Norway and the north of France, but a slight decrease has taken place in other parts of Western Europe. Readings are now lowest in the north but pressure is remarkably uniform over the United Kingdom.

TEMPERATURE.

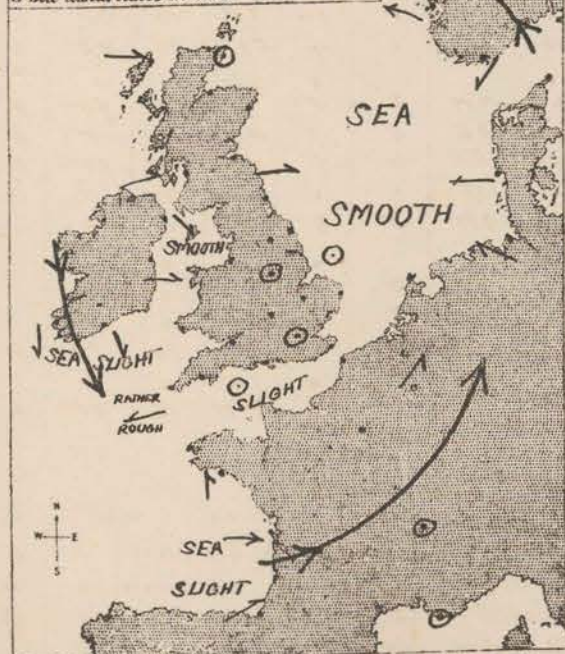
- 1 Isotherms shown by fine lines
- 2 Changes of temperature given in words



Temperature has fallen generally at all but the south-western stations where very little change has occurred. In Sweden the thermometer is as low as -16°F .

WIND & SEA.

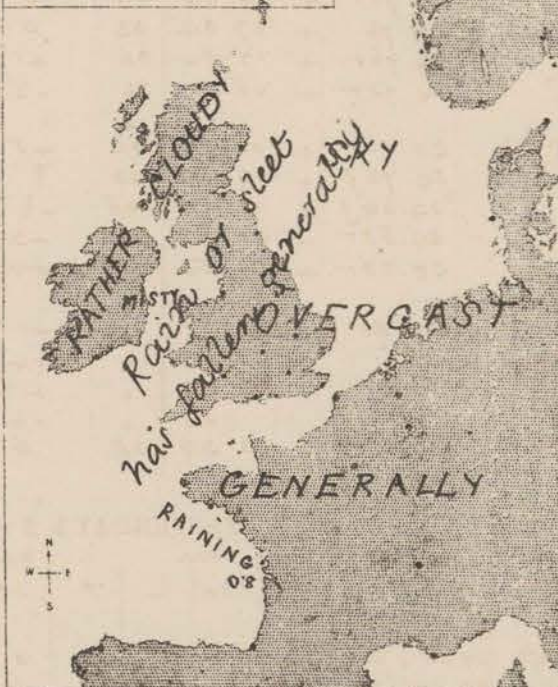
- 1 Arrows fly with the wind
Force 0 to 1 - \rightarrow
2 - \rightarrow
3 - \rightarrow
4 - \rightarrow
5 - \rightarrow
6 - \rightarrow
7 - \rightarrow
8 - \rightarrow
9 - \rightarrow
10 - \rightarrow
Force 8 to 10 - \rightarrow
above 10 - \rightarrow
- 2 Dark curved arrow shows apparent general motion of air
- 3 Sea disturbance in words



The winds on our coasts are extremely light but generally W but in Norway and Denmark moderate E breezes prevail. The sea is rather rough at Scilly and Lorient, slight or smooth elsewhere.

CLOUD, RAIN &c.

- 1 Prevalence of cloud, fog, rain &c given in words
- 2 Heavy falls of rain given in inches and tenths



Rain & sleet has fallen in most parts. The sky is rather cloudy in the west and north of our Islands, overcast elsewhere, with rain in the south west.

Subscription for these Charts payable in advance to cover delivery.
Delivery by hand 10/- per quarter.
Post 3/- per quarter.

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

Saturday 8 a.m.

WEATHER REPORT.

December 26th 1874.

STATIONS.	BAROMETER.		THERMOMETERS.					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. — In past 24 Hours.	Sea Disturb- ance. — 0 to 4.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. — (0 to 12.)	Force. — (0 to 12.)	Dirac.				
Haparanda ...	29.72	+ .01	?	?	?	*	*	NN	4	?	?	*	?	*	*
Hernösand ...	30.31	+ .31	-20	-20	-4	*	*	2	0	0	2	*	b	*	*
Stockholm ...	30.00	+ .08	11	10	+8	*	*	SSN	1	2	N	*	o	*	*
Wisby ...	29.97	+ .07	27	27	+4	*	*	NE	4	4	NE	*	c	*	*
Christiansund ...	29.79	+ .03	15	?	-13	*	*	ESE	4	2	ESE	*	bo	*	3
Skudesnaes ...	29.94	+ .10	31	30	+1	*	*	SE	8	8	SE	*	o	*	5
Oxö (X'tiansand) ...	29.97	+ .06	24	20	+2	*	*	NNE	4	4	NNE	*	o	*	2
Skagen (The Skaw) ...	29.97	+ .03	26	24	+8	*	*	E	1	2	ESE	*	o	-	*
Fanö ...						*	*					*			*
Cuxhaven ...	29.84r	?	30	27	-2	?	27	NE	3	3	ESE	6	c	-	*
Sumburgh Head ...															
Stornoway (Hebrides) ...	29.87r	+ .25	32	31	+3	34	29	NNN	1	2	N	3	pb	0.14	3
Thurso ...	29.83r	+ .23	36	35	+3	38	30	2	0	2	SSN	7	c	0.12	1
Wick ...	29.85r	+ .21	33	32	+3	37	27	NN	2	2	NN	4	bo	0.08	1
Nairn ...	29.87r		33	32		36	29	SN	1	1	SN	7	bo	0.11	0
Aberdeen ...	29.82r		24	23		32	28	NNN	1	1	NNN	1	b	-	0
Leith ...	29.90r	+ .16	32	32	+4	35	28	NNN	2	1	N	10	f	0.02	*
Shields ...	29.89r	+ .17	32	32	+3	32	26	N	2	4	NNN	7	c	-	2
York ...	29.91r	+ .20	20	20	-13	38	14	NNN	1	1	NN	10	of	-	*
Scarborough ...	29.92r	+ .17	30	30	-4	35	25	N	1	1	N	5	bo	-	2
Nottingham ...	29.98r	+ .21	27	26	-5	34	19	NN	1	2	NN	10	m	-	*
Ardrossan ...	29.90r	+ .19	36	34	+4	41	32	N	1	1	E	4	fo	-	0
Greencastle ...	29.94r	+ .17	36	35	+1	37	34	NN	1	2	SN	4	c	0.15	1
Donaghadee ...	29.90r	+ .19	31	31	-2	36	30	N	2	3	SN	2	b	-	3
Kingstown ...	30.00r	+ .23	37	35	0	39	36	NNN	4	4	NNN	0	m	-	3
Holyhead ...	29.94r	+ .21	41	39	0	43	40	NNN	4	3	N	5	be	-	1
Liverpool (Bidston Obs.) ...	29.94r		36	35		36	29	SSN	1	2	SE	9	o	0.09	3
Valencia ...	30.12r	+ .32	43	41	-2	51	39	NNE	3	3	NNE	5	c	0.01	3
Roche's Point ...	30.06r	+ .27	39	38	-1	44	35	NNN	2	3	NNN	6	be	-	1
Pembroke ...	29.99r	+ .24	43	41	+3	43	36	NNN	2	2	NNN	5	bo	-	3
Portishead ...	29.98r	+ .22	36	35	+2	38	30	NNN	2	4	E	7	mw	-	4
Scilly ...	30.06r	+ .30	46	44	+5	46	39	NNN	5	6	NNE	6	oo	0.44	*
Plymouth ...	30.03r	+ .29	33	33	-5	33	31	2	0	4	NN	3	of	0.06	2
Hurst Castle ...	30.00r	+ .24	32	32	-5	38	29	2	0	3	NE	2	gb	-	2
Dover ...	29.95r	+ .19	30	32	-1	38	30	N	3	3	NNN	10	o	0.02	*
London ...	30.00r	+ .24	28	27	-6	37	26	NNN	1	1	N	10	ofg	-	*
Oxford ...	29.98	+ .22	32	32	-2	36	29	2	0	1	N	10	g	-	*
Cambridge ...	29.98r	+ .22	22	22	-12	35	21	SSN	1	0	2	10	sm	-	3
Yarmouth ...	29.90r	+ .18	32	32	0	35	30	NN	1	3	NNE	10	zf	0.05	2
Helder ...	29.87		35	*		*	*	ESE	5	*	*	*	*	*	3
Cape Gris Nez ...	29.92r	+ .17	36	34	0	37	34	N	4	3	NN	7	o	0.08	4
Brest ...	30.09r	+ .37	42	42	-1	53	40	N	3	8	NNE	2	ob	0.39	5
L'Orient ...	30.06r	+ .37	40	40	-5	?	?	NNN	4	7	N	2	ob	0.08	3
Rochefort ...	30.11r	+ .26	41	37	-7	50	37	NN	4	9	SSN	0	rb	0.12	6
Biarritz ...	29.99r	- .04	46	44	-6	56	45	S	3	5	N	9	m	0.16	
Corunna ...			*	*		*	*		*	*	*	*	*	*	*
Brussels ...	29.87	+ .07	29	*	-2	*	*	NE	3	*	*	*	o	*	*
Charleville ...	29.87	?	27	*	-5	*	*	NN	3	*	*	*	o	*	*
Paris ...	29.94r	+ .13	35	*	0	37	33	ESE	4	7	SE	8	fo	0.71	*
Lyons ...	?	?	43	*	+7	*	*	NN	3	*	*	*	o	*	*
Toulon ...	29.85f	- .12	49	47	+10	?	42	NN	5	5	NN	8	o	-	*

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

	Bar.	Dry.	Wet.	Wind.	C.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wca.
Skudesnaes ...	29.83	32	30	SE	8	*	5	Valencia ...						
Thurso ...								Scilly ...						
Scarborough ...								London ...						
Greencastle ...								Rochefort ...	29.80	52	48	N	8	10
Holyhead ...														

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **WEATHER:** Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. 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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

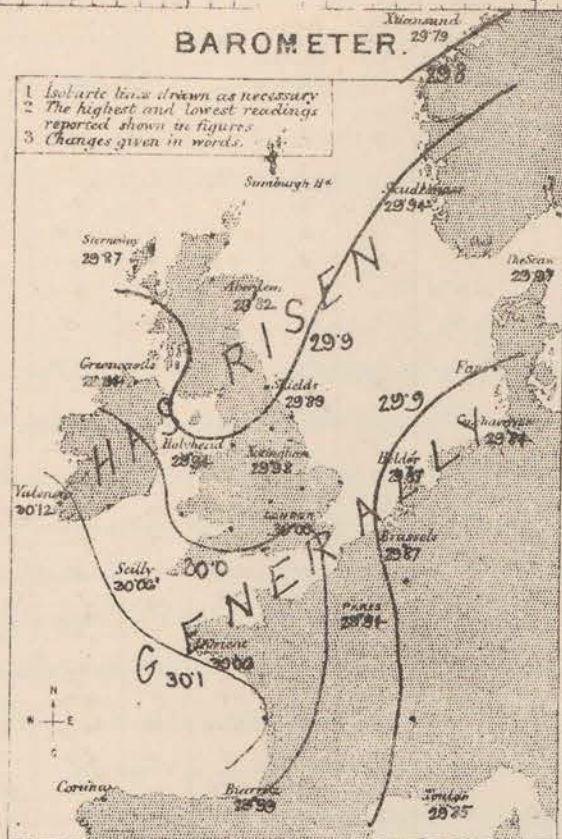
WEATHER CHARTS

AND REMARKS FOR

SATURDAY 26TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

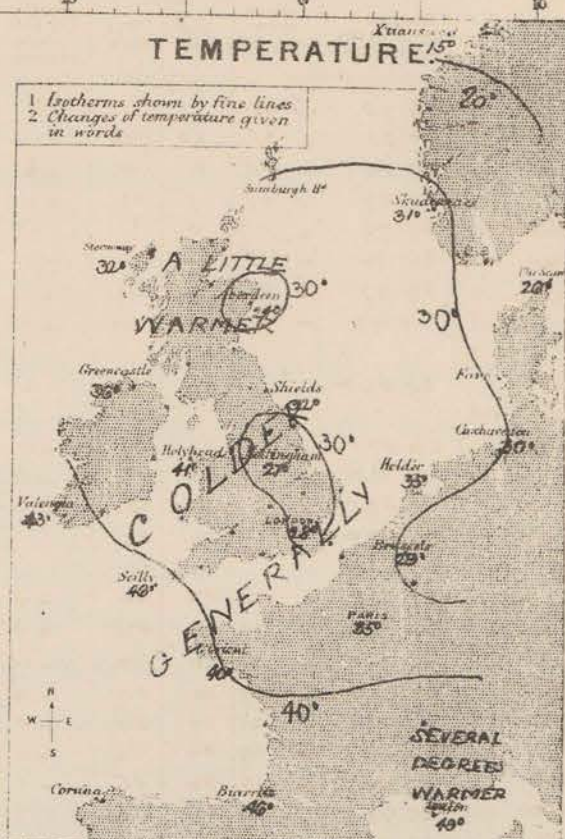
- 1 Isobars lines drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words.



Since yesterday morning the barometer has again risen over the whole of our Islands and their neighbourhood. Readings, though lowest in the north of Scotland are comparatively uniform, the gradients from Valence to Donaghadee being only 0.6 in. per 50 miles for NW winds.

TEMPERATURE.

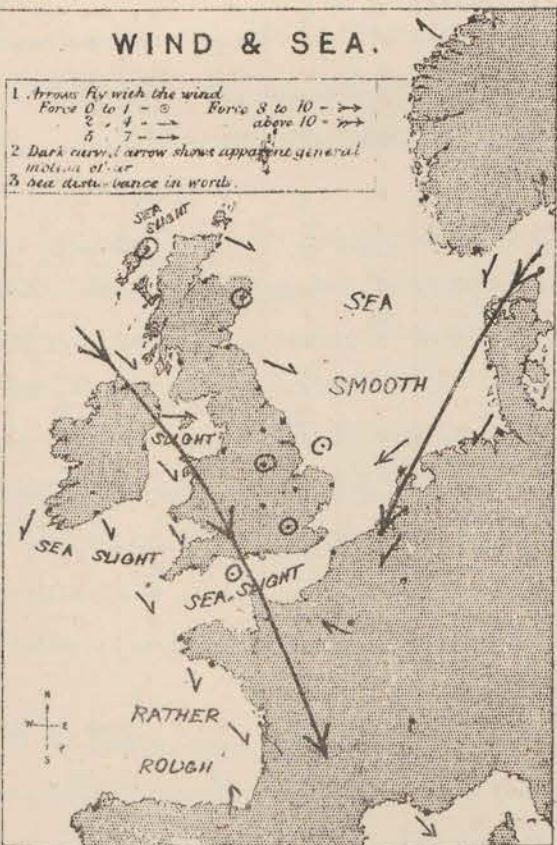
- 1 Isotherms shown by fine lines
- 2 Changes of temperature given in words



Temperature has decreased very evidently over the Central and northern parts of England, where a hard frost again prevails. At York the thermometer fell to 18° in the shade during last night. At most of our western stations temperature has risen.

WIND & SEA.

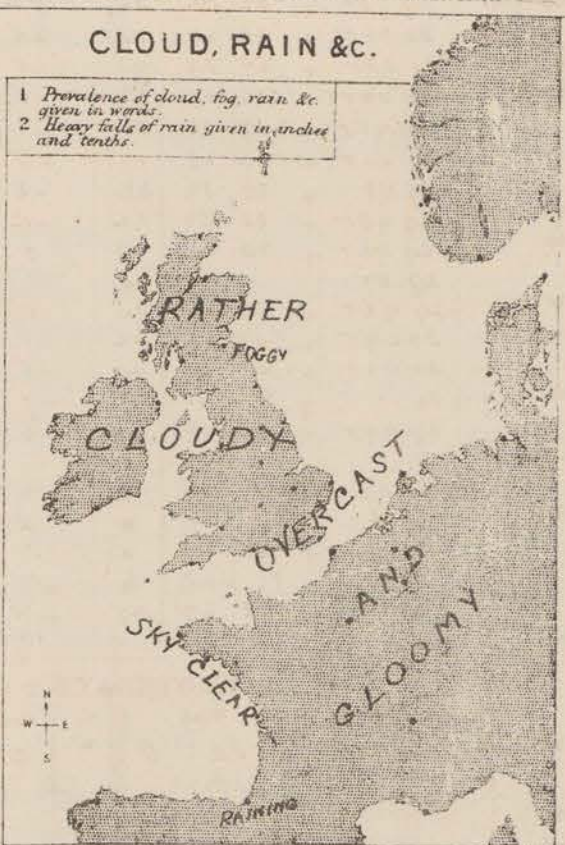
- 1 Arrows fly with the wind. Force 0 to 1 - 0, Force 2 to 10 - 10, Force 11 to 15 - 15, Force 16 to 20 - 20, Force 21 to 25 - 25, Force 26 to 30 - 30, Force 31 to 40 - 40, Force 41 to 50 - 50, Force 51 to 60 - 60, Force 61 to 70 - 70, Force 71 to 80 - 80, Force 81 to 90 - 90, Force 91 to 100 - 100.
- 2 Dark curved arrow shows apparent general motion of air
- 3 Sea distance in words.



Light NW winds now prevail very generally over the United Kingdom, while SE breezes prevail in the west of Ireland, attaining the force of a gale at Skudenees. The sea is smooth or nearly so on all coasts.

CLOUD, RAIN & C.

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



A little rain has fallen in several places. The sky is overcast and gloomy in the south-east, rather cloudy elsewhere.

Meteorological Office
116, Victoria Str. Westminister S.W.
ROBERT H. SCOTT, Director.

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

SUMMARY OF WEATHER IN WESTERN EUROPE

from DEC^R 20TH to DEC^R 26TH 1874.

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

During the first two days the barometer was falling over our Islands and the wind was generally NW², but, on the 22nd, the barometer had risen briskly, the wind had shifted to SE. at Valencia and eventually at most SW-stations, while an area of high pressure was formed over the greater part of our Islands. This was succeeded by a brisk fall at 2 pm. on the 23rd which extended in the night and a depression passed over our Islands. As the mercury recovered the wind shifted to NW. again. The weather has been very cold generally, though temperature rose considerably with the S² wind on the 24th. The sky has continued very cloudy or overcast at all stations, and snow or rain have been very general.

DEC^R 20TH— The mercury was falling at all stations, except over Norway, where however the lowest readings were found. Gradients were very slight over the North Sea but that from Roches Point to Sørboer was 0.08 in. per 50 miles. N² to NW² winds were general over these Islands and France, they were fresh at some of our N² stations but generally moderate in force elsewhere. In the S. of Norway the wind was moderate from NE. while a light S² breeze was reported from Denmark. The weather was rather warmer over Scotland, but a few degrees colder elsewhere. The sky was cloudy.

DEC^R 21ST— The barometer had again risen over Scandinavia and the lowest readings had advanced to central Europe, while a further fall had taken place over the British Isles. Pressure continued highest over Ireland but gradients were slight generally. The winds were almost unchanged in direction but were generally lighter in force over our Islands, though they continued fresh at some of the continental stations. Temperature had not changed much over the United Kingdom, except over central England where it had again decreased and a sharp frost prevailed, but in the N. of France a brisk rise had taken place. Snow was falling over Scotland and the sky was cloudy except on our S. coast. By 2 pm. the barometer was rising except in Ireland.

DEC^R 22ND— The rise noticed on the previous afternoon had continued and extended to all stations excepting the S. of Ireland. The increase had been greatest in the N. of Scotland and the highest readings lay to the N² of these Islands, but pressure continued very uniform. Moderate E² breezes were experienced on our N² coasts, while very light N² airs or calms prevailed on our E. coast and over Scotland. In the S. of Norway the NE² breeze still continued. Temperature had fallen generally and a sharp frost was experienced over central England and the N. of Scotland. The weather was very foggy over England but moderately clear at our N² and N stations. In the N. of France rain was falling. In the afternoon the mercury had still fallen slightly in the SW. —

DEC 23RD - A general increase of pressure was reported except from the Norwegian stations and a large area of high pressure lay over these islands and the N. of France. Gradients were very slight and the winds very light and variable over our islands, but a fresh E³ breeze was reported from the N. of France, and a fresh NE³ breeze from the Scaw. A further fall of temperature was reported and a frost was general except in the extreme SW. The sky was generally cloudy, and fog continued very prevalent over England. Rain was falling at Valencia. During the day a fall of the barometer set in in the N. and N. -

DEC 24TH A brisk fall of the barometer had occurred over these islands, exceeding .5 in. in the N. of England, and a well defined depression lay over Wales, the Irish Sea and the SW. of England; the gradient from Dover to Portishead was .009 in. per 50 miles. The wind had increased considerably over the Channel and N. of France, blowing freshly from NW. at Scilly, from N. in Brittany and from S. on our S. and SE coasts. At Valencia a N³ wind was reported and calms or very light airs in Scotland. Temperature had increased very considerably, as much as 20° in the N. of France where it was 50° F. while in the NE of that country a sharp frost still prevailed. Snow was falling in the NE, and the sky was generally overcast. During the day the centre of the depression advanced to the E² and the N³ wind in the N. extended.

DEC 25TH - The depression noticed above had disappeared from N. Europe and a general recovery of pressure had taken place. Readings had again become very uniform and the winds were very light at most stations, but a fresh breeze from the N² was reported from the S. of France and another from the E² over Norway and Denmark. Temperature had fallen in the N., but had changed very little generally. The sky continued overcast and rain was falling in the SW.

DEC 26TH - The barometer had risen at all stations, particularly in the SW., where the highest readings were found, but gradients continued very slight. Light NW³ breezes were general over the United Kingdom and France, and a light NE³ wind over Denmark and N. Germany, but in the N. of Norway ESE³ winds were reported reaching the force of a gale at Skudesnaes. Temperature had decreased several degrees over England where a sharp frost prevailed. Overcast, gloomy weather continued in the S. and SE. but in the N. and N. the sky was moderately clear. At 2 p.m. a further rise of the barometer was reported from all stations.

Sun-day 8 a.m.

WEATHER REPORT. December 27th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. — By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Distur- ance — 0 to 5.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda ...	29.92	+19	-5	-5	?	*	*	NN	1	1	NN	*	co	*	*
Hernösand ...	30.03	-28	-12	-12	+8	*	*	NE	2	0	Z	*	b	*	*
Stockholm ...	30.10	+10	11	11	0	*	*	?	?	0	Z	*	co	*	*
Wisby ...	30.08	+11	26	26	-1	*	*	SE	2	2	SE	*	cs	*	*
Christiansund ...	29.93	+14	28	25	+13	*	*	ESE	2	2	ESE	*	b	*	3
Skudesnaes ...	29.96	+02	36	35	+5	*	*	SE	6	6	SE	*	o	*	4
Oxö (X'tiansand) ...	30.06	+09	27	27	+3	*	*	NNE	4	4	NNE	*	so	*	2
Skagen (The Skaw) ...	30.12	+15	28	27	+2	*	*	SW	2	2	NNE	*	o	-	*
Fanö ...	30.14	+22	20	20	-7	*	*	ENE	2	5	Z	*	bs	-	*
Cuxhaven ...	30.08	+24	28	23	-2	32	?	E	1	3	NE	2	cb	-	*
Stumburgh Head ...	29.89	+13	33	32	-4	38	30	NNN	4	4	NNN	7	p	0.13	4
Stornoway (Hebrides) ...	30.16	+29	32	31	0	35	30	NN	2	2	N	8	ph	0.09	7
Thurso ...	30.04	+21	38	37	+2	40	34	NN	5	5	NNN	7	cs	0.46	4
Wick ...	30.03	+18	34	32	+1	37	28	NN	3	3	NN	5	c	0.05	1
Nairn ...	30.11	+24	30	30	-3	34	29	Z	0	2	N	5	b	-	1
Aberdeen ...	30.06	+24	32	31	+8	36	24	NNN	1	1	NNN	0	b	-	1
Leith ...	30.09	+19	29	29	-3	39	26	N	1	1	N	5	fe	-	*
Shields ...	30.13	+24	25	25	-7	34	24	NNN	2	3	N	1	cb	-	1
York ...	30.14	+23	24	23	+4	30	21	NNN	1	1	NN	0	ob	-	*
Scarborough ...	30.15	+23	31	31	+1	36	30	NN	2	2	NN	4	co	0.03	2
Nottingham ...	30.18	+20	27	26	0	36	18	NN	1	2	NN	4	m	-	*
Ardrossan ...	30.17	+27	25	25	-11	38	24	E	1	1	N	4	f	-	0
Greencastle ...	30.22	+29	33	32	-3	37	32	NNE	1	1	NN	3	cb	0.07	*
Donaghadee ...	30.19	+29	32	32	+1	40	30	NNN	3	3	NNN	8	c	0.03	2
Kingstown ...	30.24	+24	35	34	-2	40	34	N	3	4	NNN	3	cb	-	2
Holyhead ...	30.16	+22	37	36	-4	43	36	NNE	2	4	NN	3	rb	0.08	2
Liverpool (Biddston Obs.) ...	30.19	+25	32	31	-4	40	27	NN	1	3	N	10	cs	-	1
Valencia ...	30.31	+19	38	36	-5	46	33	NE	3	3	NNE	3	cb	0.02	3
Roche's Point ...	30.25	+19	36	34	-3	44	34	NNN	2	7	NN	1	cb	-	3
Pembroke ...	30.21	+22	35	35	-8	44	36	NNE	1	2	NN	2	co	0.02	1
Portishead ...	30.16	+18	32	30	-4	41	29	N	3	2	NN	10	om	-	1
Scilly ...	30.16	+10	45	42	-1	47	41	NNE	6	6	NNE	5	re	0.07	5
Plymouth ...	30.14	+11	34	33	+1	42	30	N	3	3	N	0	fb	-	*
Harst Castle ...	30.14	+14	35	34	+3	39	31	NNE	1	1	NNE	10	bm	0.01	1
Dover ...	30.10	+15	35	34	+2	36	29	N	3	3	NN	10	co	0.02	2
London ...	30.13	+13	33	32	+5	33	28	NN	1	1	N	10	ofg	-	*
Oxford ...	30.15	+17	29	29	-3	36	29	NN	1	1	N	10	og	-	*
Cambridge ...	30.14	+16	29	28	+7	34	21	Z	0	1	NNN	10	f	-	*
Yarmouth ...	30.13	+20	29	29	-3	33	23	Z	0	2	N	10	sf	0.07	2
Helder ...															
Cape Gris Nez ...	30.08	+16	28	28	-8	38	28	SE	1	4	NNN	10	os	-	1
Brest ...	30.13	+04	36	34	-6	49	35	NE	3	3	N	4	o	0.16	3
L'Orient ...	30.05	-01	36	36	-4	41	36	E	1	1	NNN	3	c	-	3
Rocheport ...	30.08	-03	34	32	-7	53	31	E	3	4	NN	7	fe	-	3
Biarritz ...	30.02	+03	36	34	-10	46	34	E	4	4	E	10	o	-	4
Corunna ...															
Brussels ...	30.19	+32	27	*	-2	*	*	S	6	*	*	*	o	*	*
Charleville ...	?	?	24	*	-3	*	*	E	3	*	*	*	o	*	*
Paris ...	30.08	+14	28	*	-7	38	28	E	4	4	NN	10	fom	-	*
Lyons ...	?	?	37	*	-6	*	*	NNN	3	*	*	*	a	*	*
Toulon ...	29.81	-04	36	33	-13	49	35	SE	1	7	NN	3	c	-	4

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.		
Skudesnaes ...	29.94	33	31	SE	6	*	5	Valencia ...	30.16	45	43	NNE	3	4	c	3
Thurso ...	29.93	35	35	N	1	7	2	Scilly ...	30.10	47	45	NNN	4	5	c	4
Scarborough...	29.94	33	32	NNN	2	5	2	London ...	30.01	30	32	2	0	10	fg	3
Greencastle ...	29.99	37	36	NN	1	5	*	Rocheport...	30.11	43	39	?	?	10	f	
Holyhead ...	30.00	42	40	NN	4	4	4									

The barometer continues to rise every where. The winds reported show scarcely any change since the morning.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

WEATHER CHARTS

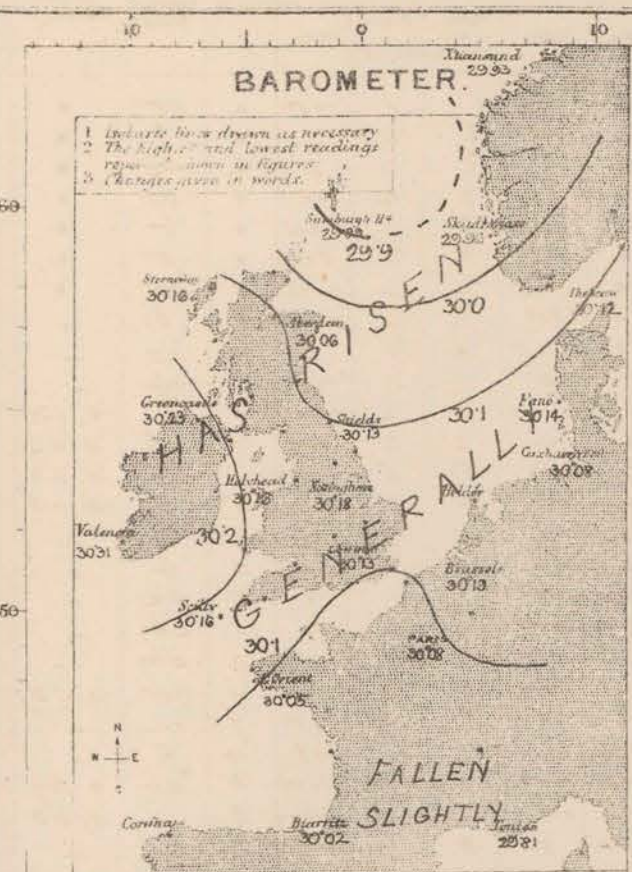
AND REMARKS FOR

SUNDAY 27TH DECEMBER 1874 AT 8 A.M.

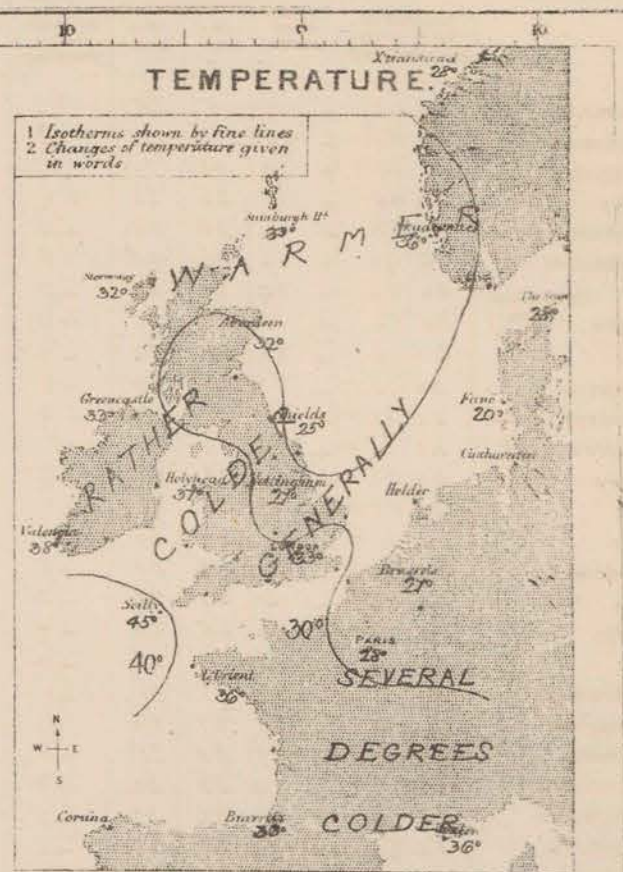
Sea
Disturbance
0 to 3

3
4
2
4
7
4
1
1
2
0
2
2
2
1
3
3
1
1
5
1
2
2
1
3
3
4
4
3
3
4
3

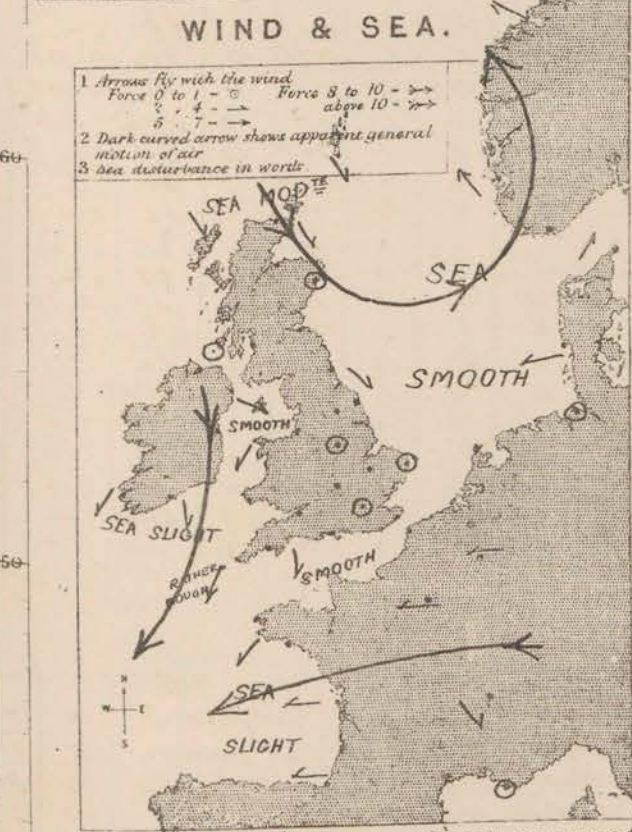
IND
dark
visibility
an and



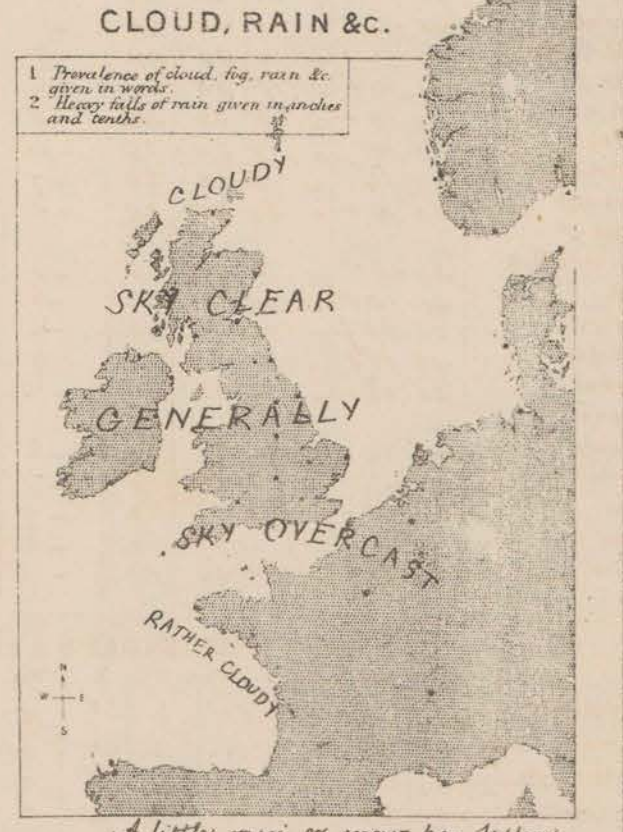
The general increase of pressure noticed yesterday morning still continues, excepting at the southern French stations, where a slight decrease has occurred. The highest readings are found on our western coasts, the lowest in the north, and there appears to be a small shallow depression lying a little to the NE^W of the Shetland Isles. The gradient from Stockholm to Lumburg H. is 0.07 in per 30 miles.



Temperature has risen a little in the extreme north, but fallen elsewhere - most over France. Scilly is 2° warmer than York.



Light NW^W breezes continue on our northern and eastern coasts, while fresh SE^E winds are felt in the west of Norway. In the south west of our Islands the winds draw round to N and NE; while light E^E breezes prevail in France. The sea is rather rough at Scilly, moderate on our most northern coasts, smooth or nearly so elsewhere.



A little rain or snow has fallen in several places. The sky is overcast in the south and south east, moderately clear elsewhere.

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

Meteorological Office
116, Victoria Str^{ET}. Westminster. S.W.
ROBERT H. SCOTT, Director.

Printed and Published by J. W. Smith, 11th, London.

Monday 8 a.m.

WEATHER REPORT. December 28th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.
	At 8 A.M.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda ...	30.17	+ .25	-4	-5	-1	*	*	S	1	1	S	*	cb	*	*
Hernösand ...	30.26	+ .23	-12	-12	0	*	*	N	2	0	Z	*	b	*	*
Stockholm ...	30.27	+ .17	14	13	+3	*	*	SW	1	0	Z	*	c	*	*
Wisby ...	30.32	+ .24	22	22	-4	*	*	SE	2	4	S	*	c	*	*
Christiansund ...	30.29	+ .36	27	25	-1	*	*	ESE	2	2	ESE	*	b	*	2
Skudesnaes ...	30.25	+ .29	35	31	-1	*	*	E	6	6	SSE	*	ob	*	4
Oxö (X'tiansand) ...	30.28	+ .28	29	28	+2	*	*	NE	4	6	SW	*	c	*	3
Skagen (The Skaw) ...	30.32	+ .20	29	23	+1	*	*	S	1	2	WSW	*	o	-	*
Fanö ...	30.30	+ .16	24	24	+4	*	*	S	4	2	S	*	co	-	*
Cuxhaven ...	30.33	+ .25	22	22	-6	?	14	SW	2	1	SW	9	f	-	*
Sumburgh Head ...	30.09	+ .20	37	36	+4	38	31	E	4	4	N	7	f	0.03	4
Sternoway (Humbros) ...	30.22	+ .06	32	31	0	35	28	N	1	2	N	7	hw	0.04	2
Thurso ...	30.15	+ .11	40	39	+2	41	34	NNW	4	5	NNW	7	c	0.21	4
Wick ...	30.13	+ .10	35	34	+1	36	28	NN	3	5	NN	4	c	0.07	1
Nairn ...	30.20	+ .09	31	30	+1	36	27	N	1	1	N	6	bo	-	1
Aberdeen ...	30.13	+ .07	32	31	0	36	29	NN	1	2	NN	1	fb	0.05	1
Leith ...	30.26	+ .17	25	25	-4	34	24	N	1	?	N	4	cf	-	*
Shields ...	30.19	+ .06	25	25	0	30	24	NNN	3	3	NNN	2	b	-	1
York ...	30.22	+ .08	23	23	-1	32	15	N	1	1	NN	0	b	-	*
Scarborough ...	30.22	+ .07	30	30	-1	33	26	NNN	2	3	NN	3	sc	0.15	2
Nottingham ...	30.26	+ .08	27	26	0	32	24	NN	1	2	NN	10	mf	0.20	*
Ardrossan ...	30.25	+ .08	22	22	-3	37	21	E	2	2	N	1	f	0.05	1
Greencastle ...	30.26	+ .03	34	33	+1	37	32	Z	0	2	NNE	10	g	0.13	*
Donaghadee ...	30.21	+ .02	32	32	0	39	31	NNN	3	3	NNN	9	co	0.05	2
Kingstown ...	30.27	+ .03	37	37	+2	39	35	N	2	4	NNN	10	bd	0.07	3
Holyhead ...	30.21	+ .05	37	36	0	43	36	NNN	1	3	NNN	6	pf	0.04	0
Liverpool (Bidston Obs.) ...	30.26	+ .07	29	28	-3	33	28	N	1	2	SSE	10	sof	0.08	1
Valencia ...	30.30	- .01	41	40	+2	47	35	S	3	3	NE	5	bo	0.03	3
Roche's Point ...	30.28	+ .03	40	39	+4	42	35	N	2	3	NNN	6	be	-	2
Pembroke ...	30.25	+ .04	43	42	+8	43	34	NN	2	2	NN	3	of	0.01	2
Portishead ...	30.22	+ .06	35	35	+3	37	28	NNN	1	2	N	10	ho	0.03	1
Seilly ...	30.30	+ .14	46	44	+1	46	41	NNN	4	6	NNE	7	c	0.05	4
Plymouth ...	30.27	?	32	32	?	40	28	Z	0	3	N	6	bf	-	*
Hurst Castle ...	30.23	+ .09	35	35	0	37	26	NNN	1	1	NNN	10	sg	0.02	1
Dover ...	30.27	+ .17	32	31	-3	37	29	SW	1	4	NNE	10	of	0.01	2
London ...	30.24	+ .11	31	30	-2	35	28	SW	1	1	NN	10	fsg	-	*
Oxford ...	30.21	+ .06	32	32	+3	35	26	Z	0	1	N	10	gm	0.04	*
Cambridge ...	30.25	+ .11	29	29	0	34	23	Z	0	0	Z	10	g	-	*
Yarmouth ...	30.21	+ .08	20	20	-9	32	19	N	1	2	N	10	sf	0.10	2
Helder ...	30.25	?	?	?	?	?	?	S	5	*	*	*	*	*	2
Cape Gris Nez ...	30.25	+ .17	23	23	-5	32	23	S	3	1	SE	8	o	0.12	2
Brest ...	30.36	+ .23	39	39	+3	46	34	NNE	3	4	NNE	8	bo	0.08	2
L'Orient ...	30.30	+ .25	36	34	0	?	?	NE	1	4	NE	2	b	-	2
Rocheport ...	30.29	+ .21	35	33	+1	49	31	NE	4	4	E	10	co	-	3
Biarritz ...	30.31	+ .29	28	28	-8	40	27	ENE	4	3	E	10	o	-	3
Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	*
Brussels ...	30.34	+ .15	25	*	-2	*	*	SW	3	*	*	*	o	*	*
Charleville ...	30.34	- ?	17	*	-7	*	*	NE	3	*	*	*	o	*	*
Paris ...	30.33	+ .25	24	*	-4	29	23	WSW	1	4	ESE	10	ot	?	*
Lyons ...	?	?	30	*	-7	*	*	N	3	*	*	*	b	*	*
Toulon ...	29.88	+ .07	42	38	+6	47	36	E	5	5	E	10	ot	-	4

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

Stations.	Bar.	Dry.	Wet.	Wind.	O.	Wea.	Sea.	Stations.	Bar.	Dry.	Wet.	Wind.	O.	Wea.	Sea.
Skudesnaes ...	30.00	36	35	SSE	6	*	S	Valencia ...							
Thurso ...								Seilly ...							*
Scarborough ...								London ...							*
Greencastle ...							*	Rocheport ...	30.09	43	38	E	2	10	o
Holyhead ...															

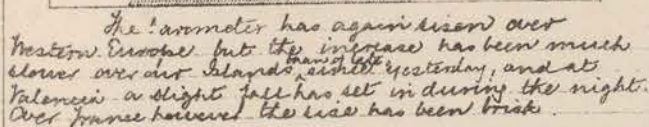
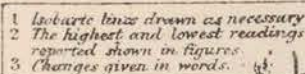
EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

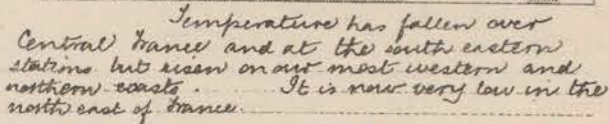
* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

MONDAY 28TH DECEMBER 1874 AT 8 A.M.



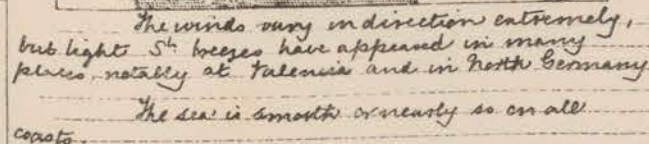
- 1 Isotherms shown by fine lines
- 2 Changes of temperature given in words



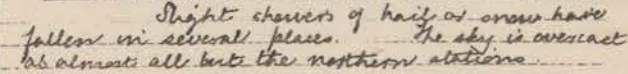
1. Arrows fly with the wind
Force 0 to 1 - \odot Force 8 to 10 - \rightarrow
2, 4 - \rightarrow above 10 - \rightarrow
6, 7 - \rightarrow

2. Dark curved arrow shows apparent general motion of air

3. Sea disturbance in words.



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



Meteorological Office
116, Victoria Str.^t, Westminster, S.W.
ROBERT H. SCOTT, Director.

Tues-day 8 a.m.

WEATHER REPORT. December 29th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. — In past 24 Hours.	Sea Disturb- ance. — 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Direc.	Force. — (0 to 12.)	Force. — (0 to 12.)					Direc.
Haparanda ...	30.39	+22	-8	-9	-4	*	*	N	2	2	NW	*	b	*	*
Hernösand ...	30.45	+19	-5	-5	+7	*	*	NNE	2	0	Z	*	b	*	*
Stockholm ...	30.40	+13	5	5	-9	*	*	N	2	2	SW	*	f	*	*
Wisby ...	30.44	+12	26	26	+4	*	*	N	4	2	E	*	c	*	*
Christiansund...	30.50	+21	30	28	+3	*	*	Z	0	4	ESE	*	bo	*	2
Skudesnaes ...	30.48	+23	28	26	-7	*	*	ESE	4	6	ESE	*	b	*	4
Oxö (Christiansand)	30.46	+18	23	22	-6	*	*	NNE	4	4	NE	*	o	*	2
Skagen (The Skaw)	30.46	+14	28	26	-1	*	*	ESE	2	2	ESE	*	o	-	*
Fanö ...	30.39	+09	25	24	+1	*	*	SE	2	2	SE	*	o	-	*
Cuxhaven ...	30.38	+05	14	11	-8	?	12	SW	2	1	SSW	9	fo	-	*
Sumburgh Head	30.38	+24	37	35	0	40	35	SE	5	4	SE	5	c	-	5
Stornoway (Hebrides)	30.17	-05	32	31	0	34	23	E	2	2	E	1	b	-	3
Thurso...	30.26	+11	36	34	-4	41	29	E	1	4	N	5	e	0.15	1
Wick ...															
Nairn ...	30.21	+01	25	25	-6	34	20	Z	0	1	N	8	ao	-	2
Aberdeen ...	30.23	+10	29	28	-3	36	28	Z	0	2	NW	10	as	0.07	1
Leith ...	30.27	+01	20	15	-5	34	13	N	1	1	N	10	f	-	*
Shields...	30.27	+10	18	17	-7	27	17	WSW	1	3	NNW	9	bf	-	1
York ...	30.26	+04	26	26	+3	30	15	WSW	1	1	WSW	10	o	-	*
Scarborough ...	30.29	+07	26	26	-4	32	25	S	3	2	NW	10	cf	-	2
Nottingham ...	30.27	+01	23	22	-4	29	20	SE	2	2	S	7	fo	-	*
Ardrossan ...	30.20	-05	24	24	+2	29	22	NE	3	3	NE	6	f	-	2
Greencastle ...	30.09	-17	35	35	+1	36	32	ESE	3	3	ESE	10	gr	0.14	*
Donaghadee ...	30.11	-10	35	35	+3	38	32	ESE	5	5	ESE	10	cd	0.06	4
Kingstown ...	30.09	-18	38	37	+1	40	37	SSE	3	3	NNW	10	fd	0.19	2
Holyhead ...	30.09	-12	35	33	-2	39	33	Z	0	2	E	10	mf	-	0
Liverpool (Bidston Obs.)	30.17	-09	28	27	-1	33	26	SE	3	3	SE	10	fsm	-	2
Valencia ...	30.15	-15	46	44	+5	50	39	N	4	4	N	4	te	0.52	4
Roche's Point...	30.08	-20	40	39	0	46	40	NNN	5	6	NNN	4	ofc	0.58	4
Pembroke ...	30.06	-19	33	33	-10	44	33	E	5	6	E	10	bs	0.68	3
Portishead ...	30.14	-08	32	31	-3	37	28	ESE	3	4	E	10	sw	-	2
Scilly ...	30.02	-28	48	45	+2	49	44	NNN	7	7	NNN	7	pg	0.37	6
Plymouth ...	30.01	-26	34	34	+2	39	31	ESE	3	3	ESE	10	sq	0.33	*
Hurst Castle ...	30.12	-31	35	35	0	36	30	SE	3	3	SE	10	q	-	3
Dover ...	30.29	+02	27	26	-5	36	25	S	3	3	WSW	3	b	-	2
London ...	30.23	-01	27	26	-4	35	25	ESE	2	1	SW	7	gso	-	*
Oxford...	30.21	-00	25	25	-7	34	25	E	1	1	E	10	g	-	*
Cambridge ...	30.28	+03	25	24	-4	35	23	SSE	1	0	Z	10	o	-	*
Yarmouth ...	30.30	+09	29	28	+9	30	20	S	2	2	S	2	fb	-	3
Helder...	30.39	+14	15	*	?	*	*	S	3	*	*	*	*	-	2
Cape Gris Nez...	30.26	+01	15	15	-8	26	15	SE	1	1	SSE	4	oo	-	1
Brest ...															
L'Orient ...	30.06	-24	43	43	+7	?	43	SW	1	4	NW	7	o	0.04	2
Rochefort ...	30.16	-13	37	33	+2	49	30	SSW	3	4	NE	10	o	-	3
Biarritz ...	30.24	-07	39	37	+11	?	38	SW	3	3	E	10	o	-	3
Corunna ...			*	*		*	*				*	*	*	*	*
Brussels ...	30.34	00	13	*	-12	*	*	S	3	*	*	*	fb	*	*
Charleville ...	30.38	+04	1	*	-16	*	*	N	1	*	*	*	o	*	*
Paris ...	30.33	00	18	*	-6	27	18	E	1	3	SE	0	ob	-	*
Lyons ...	?	?	28	*	-2	*	*	N	3	*	*	*	b	*	*
Toulon...															

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

Bar.	Dir.	Wet.	Wind.	C.	Wet.	Sea.	Bar.	Dry.	Wet.	Wind.	C.	Wet.	Sea.
Skudesnaes ...	30.37	33	33	ESE	6	*	6	4					
Thurso ...	30.18	41	39	N	3	4	c	3					
Scarborough ...	30.24	32	32	NNW	2	3	a	2					
Greencastle ...	30.24	35	34	Z	0	7	c	*					
Holyhead ...	30.24	38	37	E	2	7	m	1					
Valencia ...	30.24	45	43	S	3	6	f	3					
Scilly ...	30.28	46	44	NNN	4	6	c	*					
London ...	30.25	35	34	Z	0	10	gf	3					
Rochefort ...	30.34	38	36	?	4	6	c						

The fall of the barometer in the S. of Ireland has continued and extended to Greencastle and Scilly while at Rochefort a further rise is reported. Temperature has changed very little but showery weather has set in at Valencia—

EXPLANATION OF COLUMNS.

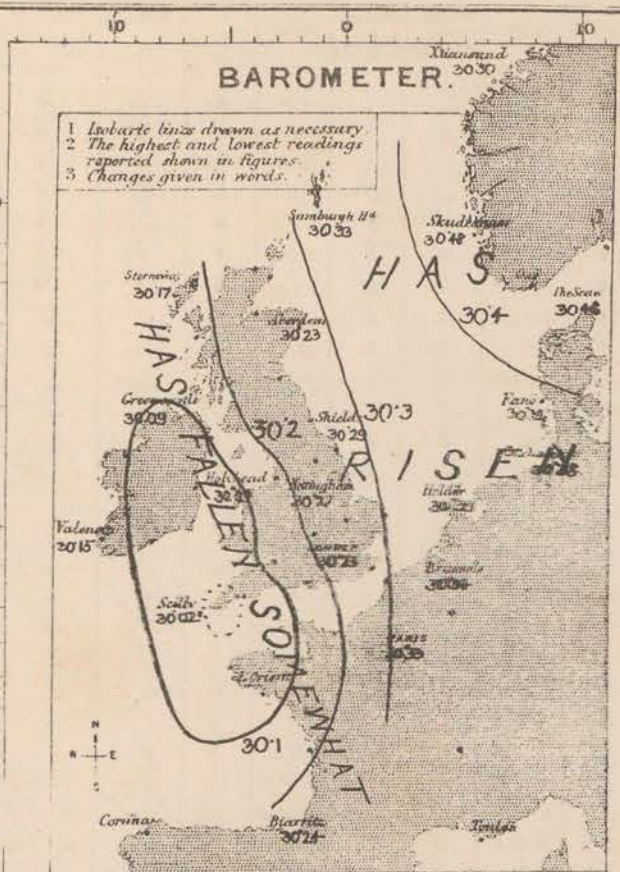
BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **WEATHER:** Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. 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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposition direction.

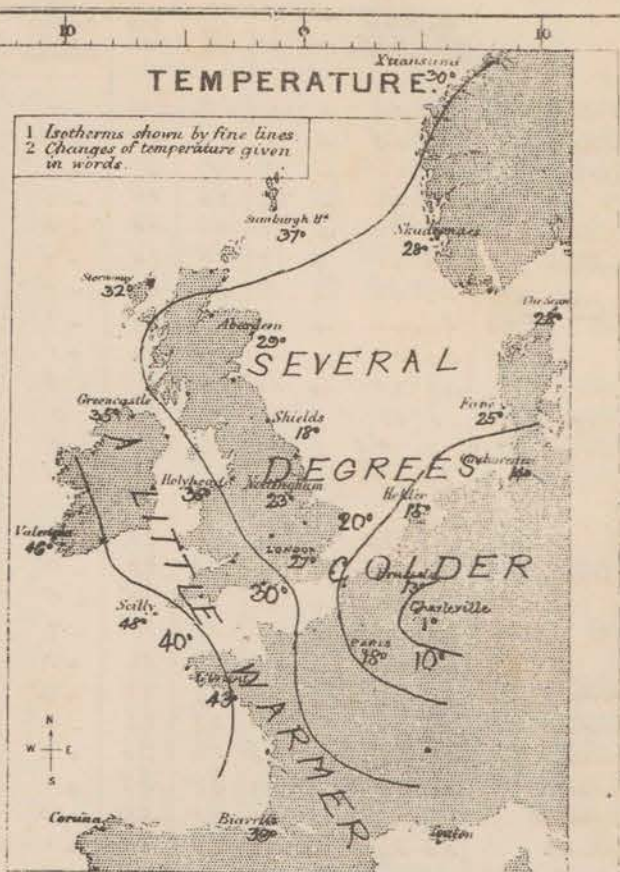
WEATHER CHARTS

AND REMARKS FOR

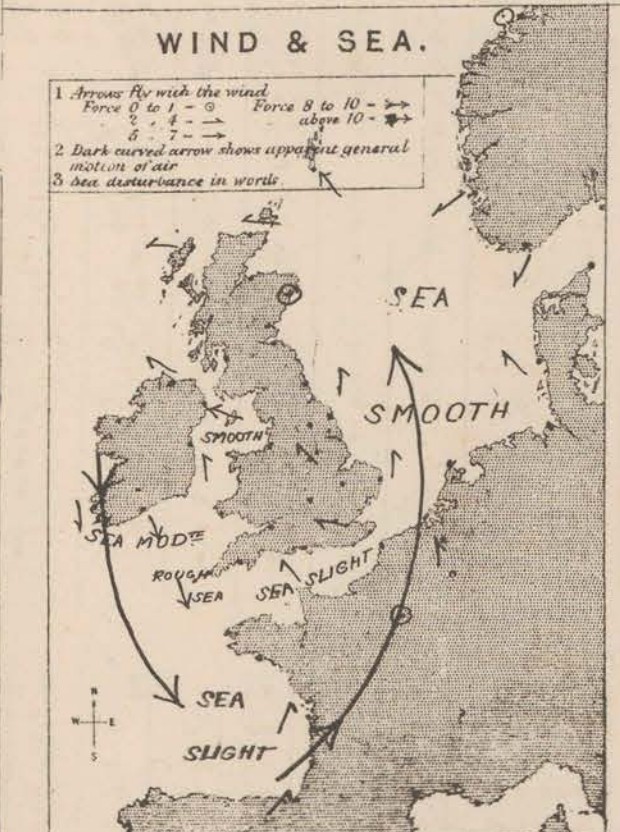
TUESDAY 29TH DECEMBER 1874 AT 8 A.M.



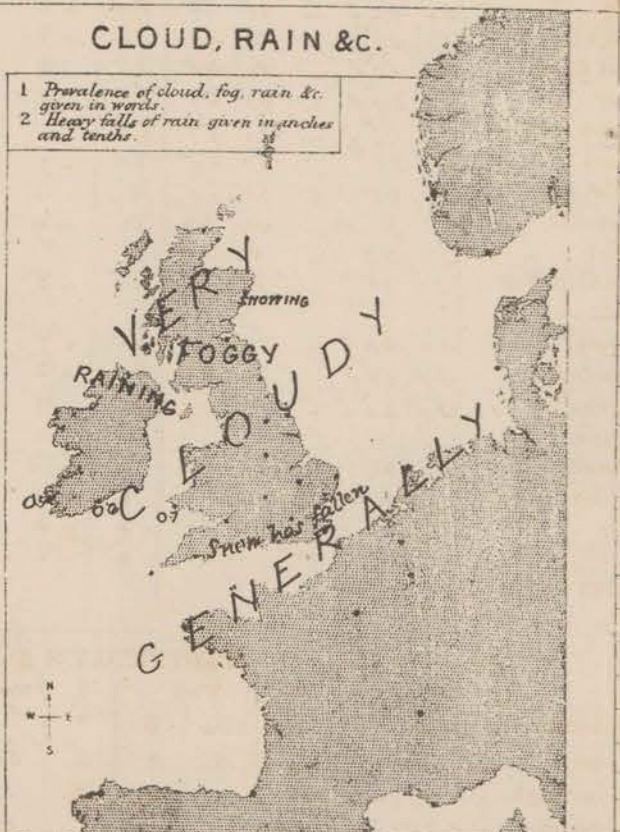
The fall of the barometer noticed in Ireland yesterday has extended to all but the most northern stations and Denmark. The centre of a small depression now lies over Cornwall, while the highest readings are reported from Scandinavia. The gradient from London to Plymouth is 0.06 in per 50 miles, yet SE winds.



Temperature has again fallen in the north and east. In the north-east of France it is now very low, Charleville reporting a reading of 1° this morning. In London the thermometer fell to 25° in the shade and 23° on the grass during the night.



The wind in our Islands circulates round the depression above named, being moderate from the N. in the south of Ireland and at Selly, light from SW in the west of France and from S at our eastern stations, while E. breeze prevails on our north-west coasts and over Central England. In the south of Norway the wind is NE. The sea is rough at Selly, moderate on our western coasts, smooth elsewhere.



Rain has fallen in the south-west, and some snow in the south. The sky is now very cloudy generally, with rain in the north of Ireland.

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

Meteorological Office
116, Victoria Str^{EE} Westminster S.W.
ROBERT H. SCOTT, Director.

Printed and Published by J. W. & A. G. Smith, 22, Bedford St. Covent Garden.

Wednesday 8 a.m.

WEATHER REPORT. December 30th 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (in shade).				WIND.				Amount of Cloud 9 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.	
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
Haparanda ...	30.55	+ .16	-11	-12	-3	*	*	N	1	1	N	*	fb	*	*
Hernösand ...	30.65	+ .20	-8	-8	-3	*	*	N	2	0	Z	*	fb	*	*
Stockholm ...	30.55	+ .15	22	22	+17	*	*	NN	1	1	NNN	*	o	*	*
Wisby ...	30.51	+ .07	29	29	+3	*	*	E	2	4	NN	*	c	*	*
Christiansund ...	30.59	+ .09	24	22	-6	*	*	ENE	2	2	NNE	*	b	*	2
Skudesnaes ...	30.52	+ .04	28	25	0	*	*	ENE	4	0	Z	*	be	*	2
Oxö (X'tiansand)	30.50	+ .04	23	23	0	*	*	NNE	6	4	N	*	o	*	3
Skagen (The Skaw)						*	*					*		*	*
Fanö ...						*	*					*		*	*
Cuxhaven ...	30.20 f	- .18	29	25	+15	?	14	NE	5	3	NE	9	s	-	*
Samburgh Head	30.47 r	+ .14	35	34	-2	38	30	N	1	5	E	7	p	0.05	3
Stornoway (Hebrides)	30.42 r	+ .25	32	31	0	35	29	E	2	2	E	1	b	-	2
Thurso ...	30.48 r	+ .22	29	28	-7	37	29	Z	0	4	E	6	c	0.03	1
Wick ...	30.47 r	+ .19	35	33	-2	38	33	E	2	?	E	?	c	0.03	3
Nairn ...	30.44 r	+ .23	17	17	-8	29	17	Z	0	0	Z	0	b	-	2
Aberdeen ...	30.42 r	+ .19	33	32	+4	37	24	ENE	1	3	NE	7	mse	0.20	2
Leith ...	30.41 r	+ .14	21	20	+1	34	13	S	1	1	S	6	sfo	0.07	*
Shields ...	30.37 r	+ .08	20	20	+2	23	13	NN	2	2	NN	3	fs	0.02	1
York ...	30.31 r	+ .05	10	10	-16	26	7	N	1	1	N	0	b	-	*
Scarborough ...	30.32 r	+ .03	24	24	-2	29	22	NNN	1	2	SSN	9	bo	-	2
Nottingham ...	30.37 r	+ .10	15	15	-8	27	10	N	1	2	E	10	bon	-	*
Ardrossan ...	30.38 r	+ .18	21	21	-3	30	20	E	1	3	NE	2	f	-	1
Greencastle ...	30.31 r	+ .22	30	29	-5	35	29	ESE	2	4	E	1	gb	0.02	*
Donaghadee ...	30.26 r	+ .15	31	30	-4	36	29	SE	5	5	SE	10	o	0.09	4
Kingstown ...	30.21 r	+ .12	36	34	-2	39	35	ENE	4	3	SSE	4	ro	0.92	3
Holyhead ...	30.21 r	+ .12	31	30	-4	37	29	E	2	1	SSE	6	sc	0.16	1
Liverpool (Bidston Obs.)	30.39 r	+ .22	25	23	-3	29	24	E	2	3	ESE	2	of	-	2
Valencia ...	30.15 f	.00	40	39	-6	48	39	NE	3	4	N	8	pg	0.04	3
Roche's Point...	30.14 r	+ .36	35	34	-5	44	34	NE	3	5	NNN	6	pe	0.12	4
Pembroke ...	30.06 f	.00	32	32	-1	37	32	E	6	7	E	8	os	0.49	4
Portishead ...	30.21 r	+ .07	26	25	-6	34	25	ESE	3	4	ESE	10	gs	0.05	2
Scilly ...	30.06 f	+ .04	47	47	-1	49	41	NNN	6	7	NNN	6	gc	0.13	5
Plymouth ...	30.08 f	+ .07	35	35	+1	40	33	SSE	1	3	ENE	10	gm	0.31	*
Hurst Castle ...	30.22 r	+ .10	34	32	-1	35	29	SSE	5	5	SSE	10	g	-	4
Dover ...	30.29 r	.00	25	25	-2	30	23	NE	2	4	E	5	c	-	2
London ...	30.30 r	+ .07	24	24	-3	30	21	E	1	3	SE	10	cbg	-	*
Oxford ...	30.28	+ .07	24	24	-1	29	20	E	2	3	E	10	og	-	*
Cambridge ...	30.32 s	+ .04	16	16	-9	26	13	Z	0	1	E	10	bo	-	*
Yarmouth ...	30.29 f	.01	23	23	-6	32	19	N	2	3	SSE	7	bf	-	3
Helder ...	30.26	- .13	25	*	+10	*	*	S	2	*	*	*	*	-	2
Cape Gris Nez...	30.26 r	.00	19	19	+4	23	15	E	1	3	SE	3	p	-	1
Brest ...	30.18 r	+ .10	37	37	-11	50	35	S	4	7	N	10	of	-	4
L'Orient ...	30.17 r	+ .11	28	28	-15	?	?	ESE	4	5	NN	9	ro	0.04	3
Rochefort ...	30.21 r	+ .05	27	25	-10	46	23	E	5	5	SE	0	rb	0.20	3
Biarritz ...	30.17 r	- .07	45	42	+6	49	41	NE	5	8	N	9	r	0.24	6
Corunna ...			*	*		*	*					*	*	*	*
Brussels ...	30.28	- .06	17	*	+4	*	*	ENE	1	*	*	*	f	*	*
Charleville ...	30.30	- .08	0	*	-1	*	*	SW	3	*	*	*	o	*	*
Paris ...	30.26 r	- .07	12	*	-6	24	12	N	1	1	ENE	0	fb	-	*
Lyons ...	?	?	27	*	-1	*	*	N	6	*	*	*	*	*	*
Toulon ...	29.63 f		31	31		37	21	NN	5	5	NN	6	bo	-	5

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	30.48	28	26	Z	0	*	6	3	Valencia ...	30.19	47	43	N	3	?	4
Thurso ...	30.53	36	35	E	4	5	e	2	Scilly ...	30.08	44	40	NE	6	5	6
Scarborough...	30.29	26	26	S	2	2	6	2	London ...	30.23	30	29	SE	3	8	3
Greencastle ...	30.14	35	34	SE	2	10	g	*	Rochefort...	30.02	34	37	?	5	10	3
Holyhead ...	30.13	37	35	SSE	1	4	s	1								

The small depression noticed this morning appears to be travelling SE² towards France, so that the barometer is falling at Rochefort while it is rising in our latitude. The wind has veered to NNE. at Scilly and is fresh.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.

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

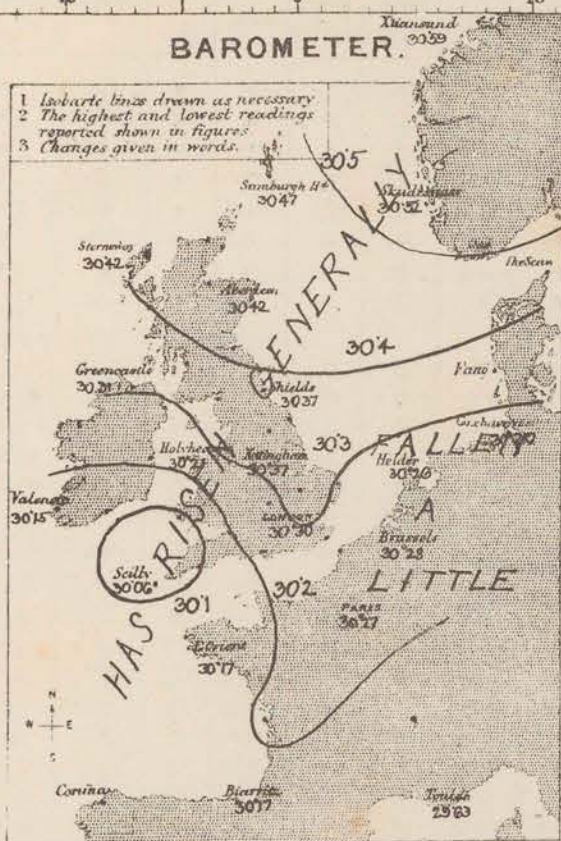
WEATHER CHARTS

AND REMARKS FOR

WEDNESDAY 30TH DECEMBER 1874 AT 8 A.M.

BAROMETER.

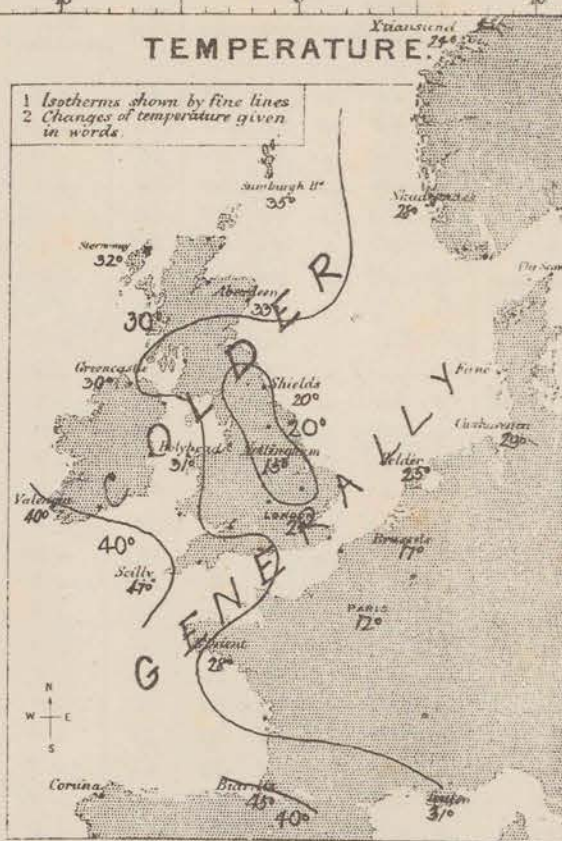
- 1 Isobars lines drawn as necessary.
- 2 The highest and lowest readings reported shown in figures.
- 3 Changes given in words.



A very general increase of pressure has taken place at all, but the Dutch, Belgic and eastern French stations, where the barometer has fallen a little. There is again a small depression lying at the mouth of St. Georges Channel, and the gradient from Nottingham to Pembroke is .010 in per 50 miles for SE winds.

TEMPERATURE.

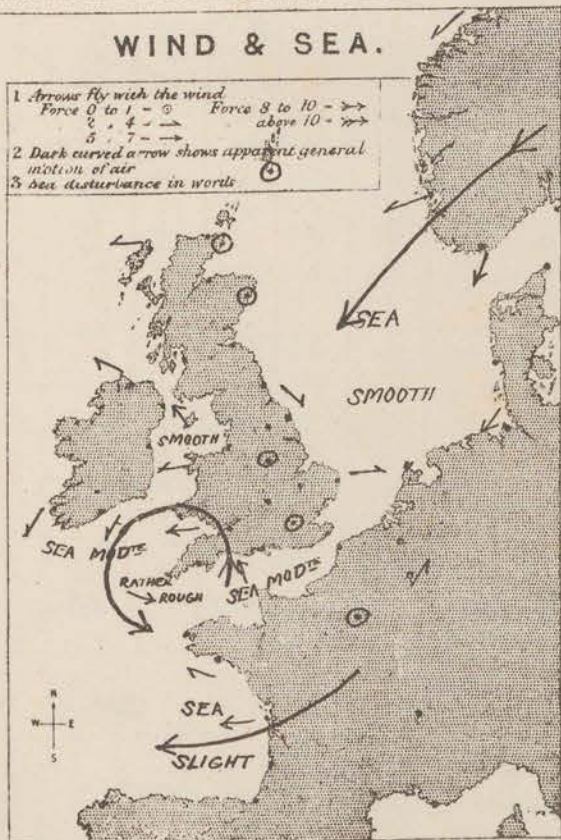
- 1 Isotherms shown by fine lines.
- 2 Changes of temperature given in words.



Temperatures has fallen generally. It is now down to zero (Fah) at Charleville (north east of France); and at York it has been as low as 7° during the night.

WIND & SEA.

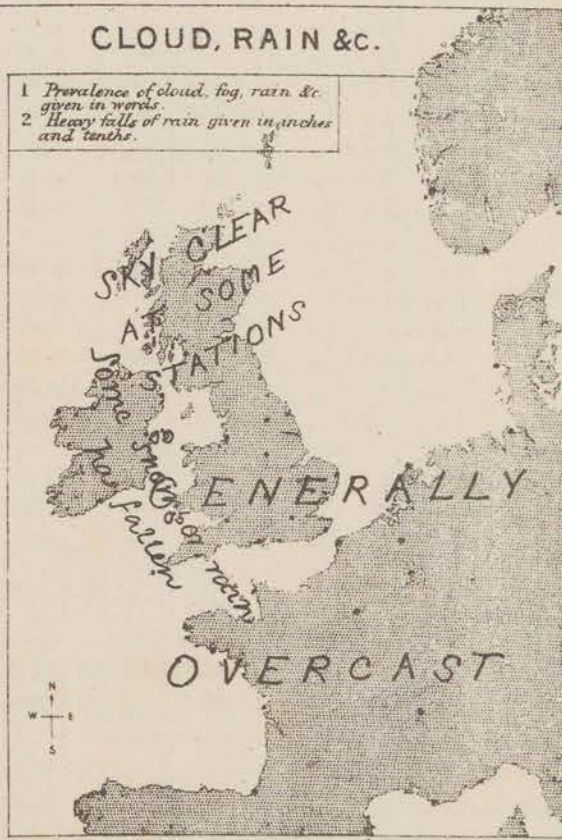
- 1 Arrows fly with the wind. Force 8 to 10 - >>> Force 11 to 15 - >>>>
- 2 Dark curved arrow shows apparent general motion of air.
- 3 Sea disturbance in words.



The winds still vary considerably. In the west and south west, they circulate round the depression and go above, being E in Wales, NE in the south of Ireland, W at Lundy, S at Bristol and SE on the south coast of England. The sea is moderate in the west and south-west, smooth elsewhere.

CLOUD, RAIN &c.

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



Rain or snow has fallen in the west and south west, heavily at Kington, and still continues in several places. The sky is very generally overcast except in the north.

Subscriptions for these Charts payable in advance to cover delivery.
Delivery by hand 10/- per quarter.
book post 3/- per quarter.

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

Dangerfield, Lith. 22, Bedford St. Covent Garden

Thurs-day 8 a.m.

WEATHER REPORT. December 31st 1874.

STATIONS.	BAROMETER.		THERMOMETERS. (In shade).					WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance. 0 to 9.
	At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extreme.					
			Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)	Dirac.				
Haparanda ...	30.42	-.13	3	3	+14	*	*	SW	2	3	N	*	6	*	*
Hernösand ...	30.26	-.39	-11	-11	-3	*	*	N	2	0	Z	*	6	*	*
Stockholm ...	30.38	-.17	22	22	0	*	*	E	4	4	?	*	5	*	*
Wisby ...	30.56	+.05	30	27	+1	*	*	E	2	4	E	*	2	*	*
Christiansund ...	30.57	-.02	25	23	+1	*	*	E	2	4	ENE	*	6	*	2
Skudesnaes ...	30.46	-.06	32	29	+4	*	*	E	6	6	NE	*	5	*	4
Oxö (X'tiansand) ...	30.41	-.09	32	31	+9	*	*	NE	8	6	NNE	*	3	*	6
Skagen (The Skaw) ...	30.48	+.01	30	29	+6	*	*	E	8	8	NE	*	30	-	*
Fanö ...	30.32	+.03	22	21	-3	*	*	SE	4	4	ESE	*	28	0.04	*
Cuxhaven ...	30.27	+.07	22	18	-7	29	?	SE	3	3	SE	8	5	-	*
Sumburgh Head ...	30.21	-.26	33	33	-2	36	30	SE	6	1	?	10	23	0.09	5
Stornoway (Hebrides) ...	30.25	-.17	26	24	-6	34	25	ESE	1	2	ESE	1	6	-	2
Thurso ...	30.29	-.19	32	31	+3	35	23	Z	0	2	ESE	7	me	0.08	2
Wick ...	30.26	-.21	33	32	-2	35	25	ESE	3	3	ESE	9	on	0.12	2
Nairn ...	30.27	-.17	25	25	+8	25	17	Z	0	0	Z	10	60	0.02	1
Aberdeen ...	30.18	-.24	29	28	-4	35	29	NNW	2	3	NNW	7	3c	0.31	4
Leith ...	30.26	-.15	30	29	+9	34	18	NE	1	1	NN	8	30	0.69	*
Shields ...	30.21	-.16	27	27	+7	32	19	NN	2	2	N	3	ob	0.04	4
York ...	30.21	-.10	20	20	+10	26	10	NNW	1	1	N	10	sf	0.11	*
Scarborough ...	30.23	-.09	24	24	0	35	22	NNW	1	3	ENE	4	he	0.13	3
Nottingham ...	30.28	-.09	21	21	+6	26	15	S	2	2	SSE	10	cf	-	*
Ardrossan ...	30.24	-.14	28	28	+7	29	21	ENE	2	3	E	6	f	-	1
Greencastle ...	30.21	-.10	32	31	+2	32	29	SSE	3	4	ESE	2	cb	-	*
Donaghadee ...	30.18	-.08	34	34	+3	34	30	E	3	5	E	8	e	-	3
Kingstown ...	30.21	-.00	34	32	-2	37	34	SSE	3	5	ESE	6	pc	0.01	3
Holyhead ...	30.20	-.01	26	25	-5	32	25	SW	1	3	ENE	0	b	-	0
Liverpool (Bidston Obs.) ...	30.24	-.15	18	17	-7	29	18	SE	2	3	E	10	bf	0.02	1
Valencia ...	29.96	-.20	38	35	-2	45	35	E	5	6	E	7	3c	0.06	4
Roche's Point ...	30.05	-.09	36	36	+1	40	32	SE	7	7	SE	10	e	0.02	5
Pembroke ...	30.17	+.11	28	26	-4	34	27	E	3	5	E	6	on	0.02	2
Portishead ...	30.24	+.03	17	17	-9	26	15	E	3	4	E	10	sg	0.14	2
Scilly ...	30.07	+.01	40	37	-7	48	36	E	5	6	NNE	8	co	0.01	4
Plymouth ...	30.14	+.06	33	32	-2	35	31	SE	1	4	E	6	sg	0.30	*
Hurst Castle ...	30.21	-.01	31	30	-3	34	28	E	4	5	SSE	8	sb	-	3
Dover ...	30.24	-.05	27	26	+2	31	23	NN	3	2	NNW	4	oc	-	2
London ...	30.26	-.04	23	23	-1	32	20	Z	0	1	E	10	qbf	-	*
Oxford ...	30.25	-.03	20	20	-4	29	18	Z	0	1	E	10	gf	-	*
Cambridge ...	30.26	-.06	22	22	+6	25	15	Z	0	0	Z	10	of	-	*
Yarmouth ...	30.23	-.06	18	18	-5	32	18	NNW	2	2	N	10	f	-	2
Helder ...	30.23	-.03	24	*	-1	*	*	S	1	*	*	*	*	*	2
Cape Gris Nez ...	30.22	-.04	25	25	+6	33	19	Z	0	1	S	9	on	-	1
Brest ...	30.06	-.12	37	35	0	47	36	NE	1	4	SSE	10	fo	0.12	3
L'Orient ...	30.03	-.14	28	28	0	?	?	E	4	4	SSW	10	of	0.04	3
Rochefort ...	30.07	-.14	30	28	+3	42	24	ENE	4	5	E	10	bo	-	3
Biarritz ...	30.10	-.07	46	42	+1	?	41	SW	4	5	NE	9	h	0.20	3
Corunna ...			*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels ...	30.26	-.02	24	*	+7	*	*	SW	3	*	*	*	so	*	*
Charleville ...	30.25	-.05	15	*	+15	*	*	S	1	*	*	*	o	*	*
Paris ...	30.27	+.01	16	*	+4	22	12	E	3	3	SE	10	bm	-	*
Lyons ...	?	?	27	*	0	*	*	N	1	*	*	*	b	*	*
Toulon ...	29.87	+.24	26	22	-5	37	24	NN	5	5	NN	1	ob	-	5

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

	Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	C.	Wea.	Sea.	
Skudesnaes ...	30.49	28	25	NE	4	*	C	2	Valencia ...	30.14	40	38	E	3	7	2
Thurso ...	30.47	29	28	S	1	4	C	1	Scilly ...	30.04	44	41	NNW	6	7	5
Scarborough...	30.28	34	32	E NE	3	6	C	3	London ...	30.27	32	31	E	1	10	fg
Greencastle ...	30.32	32	31	SSE	1	1	b	*	Rochefort...	30.23	32	28	E	4	0	6
Holyhead ...	30.25	31	29	E NE	3	1	b	1								

The barometer is inclined to fall except on our NW coasts and at Rochefort. Temperature has risen several degrees in the E. of England but the winds reported differ little from those prevailing this morning. Snow is still falling at Shields where the sea has become rather rough.

EXPLANATION OF COLUMNS.

BAROMETER.—The letters r. (rising), f. (falling), and s. (steady), indicate the motion of the mercury in last 14 hours. **EXTREME WIND** is the strongest wind experienced in past 24 hours. **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. wet, dew.

* AN ASTERISK is inserted in all places for which information is not usually received. The "extreme" wind for the Swedish, Norwegian and Danish Stations is an observation taken at 8 p.m.
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposition direction.

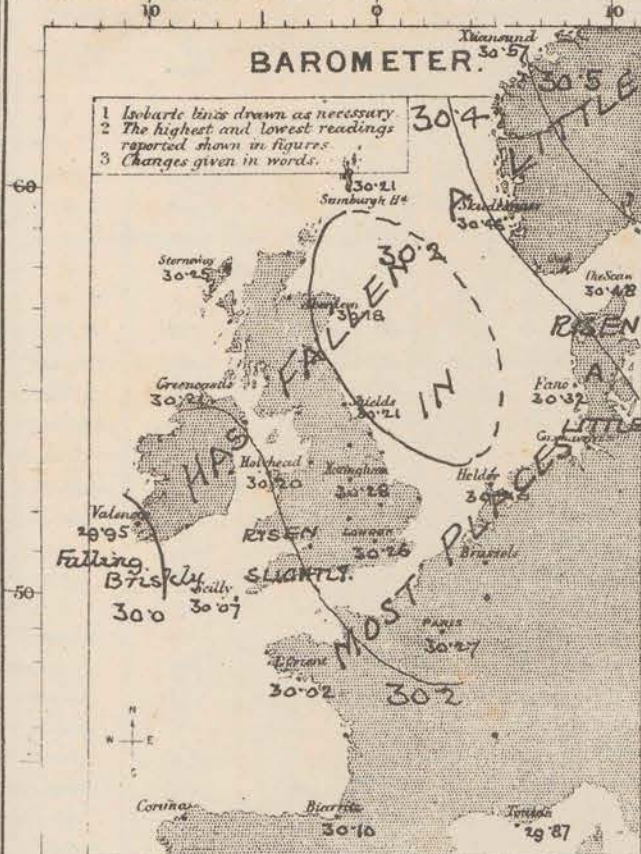
WEATHER CHARTS

AND REMARKS FOR

THURSDAY 31ST DEC^R 1874 AT 8 A.M.

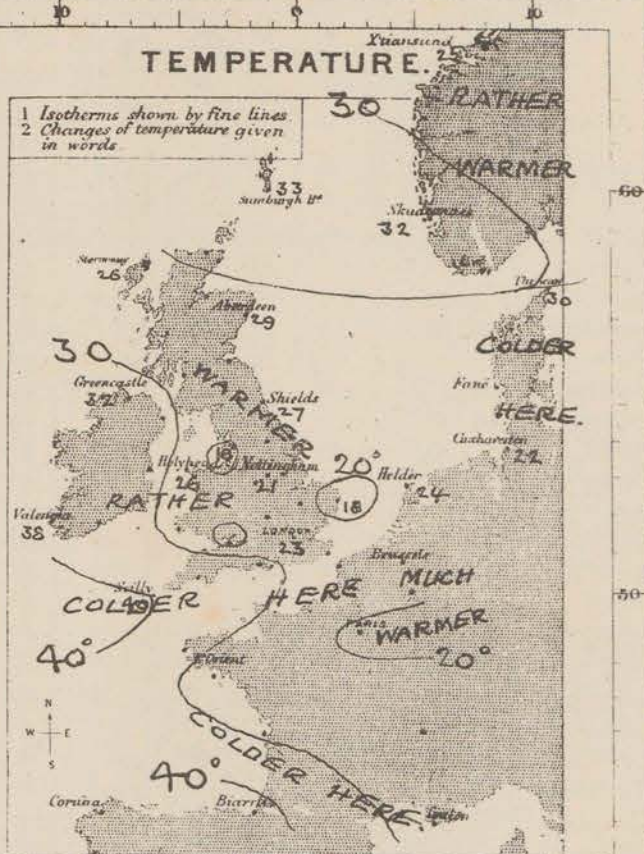
BAROMETER.

- 1 Isobars lines drawn as necessary
- 2 The highest and lowest readings reported shown in figures
- 3 Changes given in words



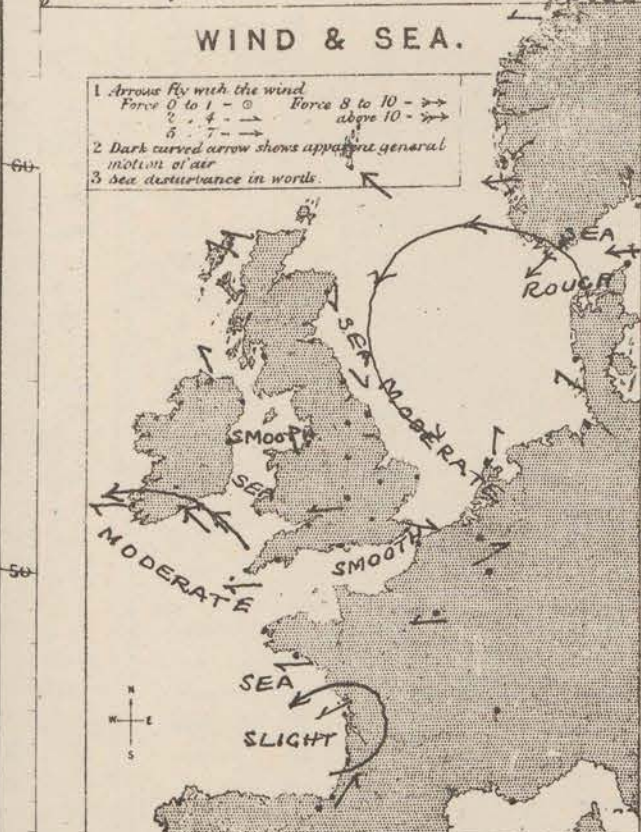
TEMPERATURE.

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



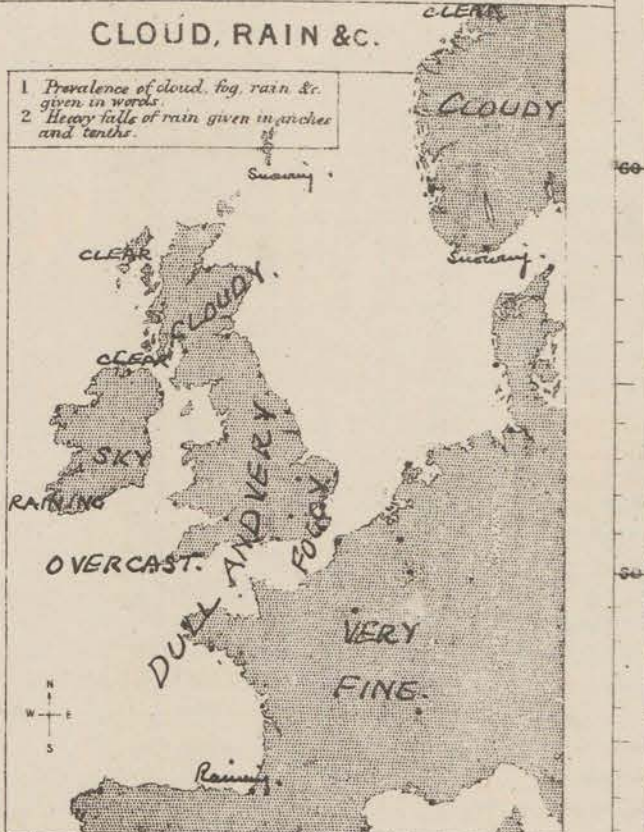
WIND & SEA.

- 1 Arrows fly with the wind Force 0 to 1 - - - Force 8 to 10 - - - Force 10 - - -
- 2 Dark curved arrow shows apparent general motion of air
- 3 Sea disturbance in words



CLOUD, RAIN & C.

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



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

Meteorological Office
116, Victoria Str^t. Westminster S.W.
ROBERT H. SCOTT, Director.

Dangerfield, Lith, 22, Bedford St Covent Garden

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR DECEMBER 1874.

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	BAROMETER.		THERMOMETERS. (in shade).				WIND.				Amount of Cloud 0 to 10.	Weather. By Beaufort Scale.	Rainfall. In past 24 Hours.	Sea Disturb- ance 0 to 4.	
		At 8 A.M. Reduced to 32° F. at the Mean Sea Level.	Change since yesterday	At 8 A.M.		Change in the dry bulb since yesterday.	In past 24 hours.		At 8 A.M.		Extrema.					
				Dry bulb.	Wet bulb.		Max.	Min.	Dirac.	Force. (0 to 12.)	Force. (0 to 12.)					Dirac.
1 st	Lumburgh H.	29.30r	+24	30	29	-8	41	27	NNE	7	7	NE	8	0.5	0.03	6
"	Prest	29.36r	+31	48	48	-2	57	39	SSW	4	5	N	9	0	0.43	5
"	Toulon	29.73f	-02	55	55	+4	57	49	SW	5	5	SW	10	om	-	5
2 nd	Sheddenes	30.14	*	31	26	*	*	*	NNE	6	*	*	*	b	*	3
2 nd	Lumburgh H.	29.63r	+33	28	28	-2	32	27	N	7	7	N	8	s	0.15	7
3 rd	Lumburgh H.	29.69r	+06	34	33	+6	34	25	SSW	1	4	W	9	so	0.18	3
"	Corunna	?	?	?	*	?	*	*	NE	9	*	*	*	c	*	5
4 th	Lumburgh H.	29.37f	-32	39	39	+5	40	32	WSW	4	4	W	10	ot	0.32	6
5 th	Lumburgh H.	29.05r	-32	39	39	0	42	38	WNW	7	9	WNW	10	t	0.22	7
"	Prest	30.02f	-24	49	47	+6	50	41	W	4	5	SW	10	mt	-	3
"	Rockefort	30.10f	-07	46	42	+12	46	35	SW	4	7	NE	10	bo	-	3
8 th	Corunna	30.10	-	47	*	-	*	*	SW	3	*	*	*	o	*	1
9 th	Lumburgh H.	29.27f	-14	33	32	0	36	28	N	4	3	N	5	c	-	5
"	Stornoway	29.41r	-05	33	32	+2	37	28	NNE	3	6	E	3	cb	-	6
10 th	Toulon	29.57f	-31	38	36	-9	57	36	NW	7	5	W	?	o	-	*
11 th	Haparanda	29.29	+07	22	22	-3	*	*	NE	2	2	N	*	o	*	*
"	Hernösand	29.37	+18	1	1	+10	*	*	NE	2	2	N	*	bf	*	*
"	Stockholm	29.41	-59	14	14	-12	*	*	SW	2	4	NNW	*	of	*	*
"	Mälby	29.50	+60	30	29	-6	*	*	NW	4	6	N	*	c	*	8
"	Christiansund	29.29	+13	33	32	0	*	*	SSW	6	8	SW	*	rs	*	4
"	Sheddenes	29.29	-05	35	32	+7	*	*	ESE	6	4	ESE	*	o	*	2
"	Oxö	29.37	+12	21	20	-7	*	*	N	4	4	ENE	*	b	*	7
12 th	Prest	29.23r	-06	45	45	-7	57	43	NNW	8	8	WNW	9	ot	0.39	7
"	Rockefort	29.41r	-06	50	46	-3	57	46	W	12	12	NW	10	t	0.28	7
13 th	Portishead	29.47r	+43	38	37	-5	46	34	N	5	6	NW	10	g	0.01	4
14 th	Portishead	"	+42	-	-	-2	-	-	-	-	-	-	-	-	-	-
17 th	Prest	29.93r	+39	38	34	-5	46	29	NE	5	7	NW	7	fr	0.71	4
"	L'Orion	29.79r	+24	37	35	-3	?	?	NE	7	7	NW	8	to	0.43	5
"	Rockefort	29.58r	-05	34	32	-9	49	31	!	9	11	NW	10	co	0.12	6
"	Diarritz	29.46f	-32	36	34	-14	44	32	?	4	11	W	10	to	1.03	2
"	Corunna	29.88	-	37	*	-	*	*	NE	7	*	*	*	o	*	7
18 th	Prest	30.22r	+29	37	35	-1	42	34	N	3	7	N	10	to	0.12	7
"	Corunna	30.12	+24	41	*	+4	*	*	NE	9	*	*	*	c	*	7
"	Paris	30.09r	+28	33	*	+1	34	30	NE	4	8	NNE	10	o	0.04	5
21 st	Corunna	30.03	-	57	*	-	*	*	N	6	*	*	*	cp	*	2
22 nd	Sheddenes	29.83	*	31	30	*	*	*	NNW	2	*	*	*	b	*	*
24 th	Haparanda	30.13	-18	-14	-14	-11	*	*	NE	6	8	NE	*	b	*	*
"	Hernösand	30.01	+06	-1	-2	-18	*	*	N	8	8	NE	*	o	*	*
"	Stockholm	?	?	22	17	-5	*	*	NNE	6	6	NNE	*	o	*	*
"	Mälby	29.67	+19	24	24	-8	*	*	NE	6	6	NE	*	s	*	2
"	Christiansund	29.78	-74	24	?	-3	*	*	E	4	4	ESE	*	bc	*	3
"	Sheddenes	29.80	-03	28	26	+2	*	*	ESE	6	4	ESE	*	cb	*	2
"	Oxö	29.88	+12	22	21	-7	*	*	NNE	4	4	NNE	*	o	*	*
"	Skagen	29.87	+16	21	18	-9	*	*	E	2	4	E	*	o	*	*
"	Faro	29.84	+09	25	25	-2	*	*	SE	2	2	NW	*	fc	*	5
"	Prest	29.63f	-36	57	57	+15	?	35	W	7	7	WSW	10	t	1.06	3
"	Rockefort	29.89f	+01	57	49	+23	?	23	SSE	7	7	ENE	10	bt	-	2
2 nd	Thurso	29.50	*	35	34	*	*	*	S	2	*	*	8	o	*	*
23 rd	Hairm	?	?	Observations taken this day.												0
"	Aberdeen	29.66r	+11	32	31	+2	32	27	Z	0	1	WNW	6	mc	-	1
"	Liverpool	29.74r	+27	35	34	+2	38	33	SE	1	3	WNW	6	oc	0.02	*
26 th	Faro	29.92	+09	27	26	+5	*	*	ENE	2	4	E	*	cb	*	4
"	Lumburgh H.	29.76r	+14	37	35	+8	40	33	NNW	4	4	WNW	7	rp	0.32	-
"	Aberdeen	-	+16	-	-	-8	-	-	-	-	-	-	-	-	-	-
"	Liverpool	-	+20	-	-	+1	-	-	-	-	-	-	-	-	-	-
28 th	Corunna	30.16	-	48	*	-	*	*	NE	9	*	*	*	c	*	7
29 th	Wick	30.28r	+15	38	36	+3	38	26	E	3	3	NW	8	co	0.05	4
"	Prest	30.08f	-28	48	46	+9	49	57	NW	4	4	NW	10	o	0.12	*
30 th	Skagen	30.47	+01	24	23	-4	*	*	E	4	2	NE	*	o	-	*
"	Faro	30.29	-70	25	24	0	*	*	NE	4	4	NE	*	os	-	1
"	Coruna	30.35	-	47	*	-	*	*	S	3	*	*	*	o	*	*

[illegible]