

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1893.

28.4 94

See High Land.

DAILY WEATHER REPORT.

January to June 1893.



DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 1st March,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

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STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.	BAROMETR.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).		Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.			Force (0 to 12).	Weather.		Max.	Min.
		Ina.	°				Ina.	°	°	°							°	10s.		
SCANDINAVIA.	Haparanda ...	29.47	30	2	0	0	29.51	- 08	17	16	- 4	NEW	2	0	#	0	32	0	0.08	
	Hernösand ...	29.50	23	2	0	f	29.60	+ 10	16	15	- 5	2	0	f	#	5	34	14	-	
	Stockholm ...	29.63	31	SW	2	c	29.72	+ 11	32	31	- 2	W	4	0	#	c	37	23	0.24	
	Wisby ...	29.71	34	NEW	4	0	29.89	+ 22	32	31	- 4	NSW	6	6	#	0	41	27	0.08	
	Bodo ...	29.47	22	EHE	2	0	29.70	+ 36	26	23	+ 6	NE	2	6	1	0	26	19	-	
	Christiansund...	29.45	38	SW	4	0	29.87	+ 64	35	34	+ 1	SW	4	c	4	0	39	34	0.20	
	Skudesnaes ...	29.73	37	W	2	c	29.81	+ 44	35	34	- 1	ESE	2	c	4	0. c	40	30	-	
	Christiania Fjord (Færder)	29.61	31	SW	4	b	29.78	+ 37	30	29	- 2	NSW	3	b	3	b	34	28	-	
	Skagen (The Scaw)	29.76	32	W	3	b	29.85	+ 36	34	32	+ 3	W	5	bc	2	b	36	30	-	
	Faro ...	29.94	35	W	4	b	30.03	+ 47	34	33	0	NSW	4	e	#	b	43	34	-	
BRITISH ISLANDS.	Sumburgh Head																			
	Stornoway ...	29.60	38	SW	4	bc	29.44	.00	38	38	+ 3	E	2	c	3	bc	40	30	0.02	
	Wick ...	29.62	32	W	2	b	29.48	.00	38	37	+ 7	SSE	4	c	3	bc, l	38	27	-	
	Nairn ...	29.69	36	W	2	bc	29.47	- 01	35	35	+ 1	2	0	c	1	bc	39	29	0.03	
	Aberdeen ...	29.71	35	SSW	2	b	29.56	- 01	39	35	+ 7	SSE	4	oggy	4	oggy	41	30	-	
	Leith ...	29.73	34	W	3	bc	29.46	- 12	36	32	+ 3	E	1	S	#	bc	41	31	-	
	Shields ...	29.84	39	SW	3	c	29.54	- 12	38	37	+ 9	SE	4	1	3	c, c	43	26	-	
	Spurn Head ...	29.94	40	SSW	3	b m	29.55	- 16	39	38	+ 5	SSE	6	1	4	b m	44	33	0.04	
	York ...	29.92	40	SSW	1	b	29.49	- 25	38	38	+ 10	ESE	3	1	#	b	44	28	0.25	
	Loughborough	29.98	39	SE	1	b	29.55	- 20	41	41	+ 13	SSE	5	1	#	b	50	28	0.06	
GERMANY & HOLLAND.	Ardrossan ...	29.76	42	SW	4	0	29.36	- 25	32	32	- 9	EHE	4	S	3	0	43	31	0.01	
	Malin Head ...	29.70	40	S	4	0	29.17	- 34	36	36	- 2	SE	5	or	2	p, o	43	35	0.25	
	Mullaghmore ...	29.72	43	S	5	og	29.14	- 49	47	47	+ 9	SSW	5	ogp	3	c, ogp	48	36	0.23	
	Belmullet ...	29.67	44	SE	5	0	29.14	- 49	48	47	+ 8	SW	4	6	#	og, o	48	39	0.36	
	Donaghadee ...	29.82	40	SW	4	bc	29.28	- 41	40	40	+ 9	SE	7	0	5	bc	44	30	0.18	
	Liverpool (Bidston)	29.93	39	SSW	2	b	29.41	- 35	42	41	+ 7	SSE	6	1	4	b	45	35	0.24	
	Holyhead ...	29.88	42	SSW	4	cg	29.31	- 44	46	45	+ 8	S	6	19m	5	b, cg	46	37	0.24	
	Parsonstown ...	29.77	41	SE	1	0	29.26	- 49	48	47	+ 22	SW	1	9	#	og	49	25	0.40	
	Valencia ...	29.65	47	SSE	6	0	29.35	- 42	52	50	+ 14	SW	6	om	6	og, o	53	37	0.67	
	Roche's Point	29.75	46	S	5	0	29.36	- 41	50	49	+ 19	NSW	5	cp	5	og, p	50	31	0.70	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.90	42	S	4	c	29.44	- 36	49	49	+ 11	SW	6	cg	6	cg	49	38	0.46	
	Scilly ...	29.87	47	SSE	5	0	29.58	- 20	53	52	+ 11	SW	6	c	5	om	53	38	0.44	
	Prawle Point ...	29.98	41	ESE	2	c	29.62	- 18	50	50	+ 16	SW	7	ou	6	c, fr	50	34	0.18	
	Jersey (St. Aubin's)	29.98	46	E	3	b	29.80	+ 13	50	49	+ 5	SSE	5	omr	4	bc m	50	42	0.10	
	Hurst Castle ...	30.01	43	SW	2	m	29.66	- 10	47	47	+ 11	SSW	8	omgr	5	b m	48	35	0.04	
	Dungeness ...	29.99	41	N	2	bc	29.81	+ 14	44	43	+ 6	SSW	6	1	5	bc	46	38	0.01	
	North Foreland	30.02	39	SSE	1	b	29.78	+ 09	44	42	+ 4	S	6	ogp	5	b	44	34	-	
	London ...	30.03	34	2	0	bf	29.67	- 08	44	43	+ 9	S	6	19	#	bf	44	32	0.02	
	Oxford ...	30.00	39	SW	1	m	29.59	- 19	44	43	+ 12	SSE	5	19	#	em	48	32	0.15	
	Cambridge ...	30.01	38	SW	1	b	29.66	- 09	42	42	+ 10	SSE	5	1	#	b	51	30	0.37	
PENINSULA.	Yarmouth ...	29.97	40	S	3	b	29.75	+ 09	40	39	+ 3	S	6	19	5	b	42	35	0.02	
	Cuxhaven ...	29.90	34	W	2	c	30.12	+ 55	33	32	- 10	S	2	c	#	c	43	30	-	
	Berlin ...	29.87	48	NEW	4	1	30.27	+ 39	36	35	- 2	W	2	0	#	1	55	34	0.04	
	Wiesbaden ...						30.21	+ 54	40	37	- 3	NEW	2	0	#	#	48	39	0.08	
	Munich ...	30.00	44				30.25	+ 51	40	39	+ 5	W	5	0	#	0	50	35	0.04	
	The Helder ...	30.10	36	W	1	b	30.05	+ 45	33	32	- 3	SSE	2	bc	1	b	41	30	-	
	Brussels (9 a.m.)						30.04	+ 43	37	36	- 5	SSE	5	0	#	b	42	31	-	
	Cape Gris Nez	29.93	39	EHE	1	bc	29.84	+ 28	42	41	+ 1	S	5	0	#	bc	45	34	-	
	Paris ...	30.03	44	NE	3	b	30.09	+ 46	43	42	- 1	S	3	0	#	b	54	40	0.08	
	Brest ...	?	47	S	2	b	?	?	52	50	+ 8	SW	4	f	4	c	52	41	1.18	
FRANCE AND BELGIUM.	Lorient ...	30.00	48	NSW	2	bc	29.85	+ 16	52	52	+ 5	SSW	7	m	6	bc	54	45	0.16	
	Rochefort ...	30.02	50	W	5	c	30.08	+ 31	49	49	+ 2	S	5	1	#	b, c	55	47	0.12	
	Belfort ...	?	42	SW	2	1	?	?	38	38	- 4	EHE	2	m	#	1	47	35	0.12	
	Lyons ...	30.07	46	N	1	bc	30.16	+ 38	40	38	- 4	W	1	b	#	b	51	34	-	
	Nice ...	29.83	46	SW	2	0	30.04	+ 24	40	39	- 9	E	2	b	2	0	54	39	0.71	
	Perpignan ...	30.10	54	NEW	3	b	30.22	+ 38	46	41	- 5	NE	1	b	#	b	61	44	-	
	Biarritz ...	30.08	58	NSW	3	b	30.13	+ 28	55	50	+ 1	SE	2	0	4	b	55	45	-	
	Corunna ...																			
	Lisbon ...	30.80	58	SSW	4	0	30.38	+ 20	56	55	+ 1	ESE	2	0	#	0	61	55	-	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday, 1st March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

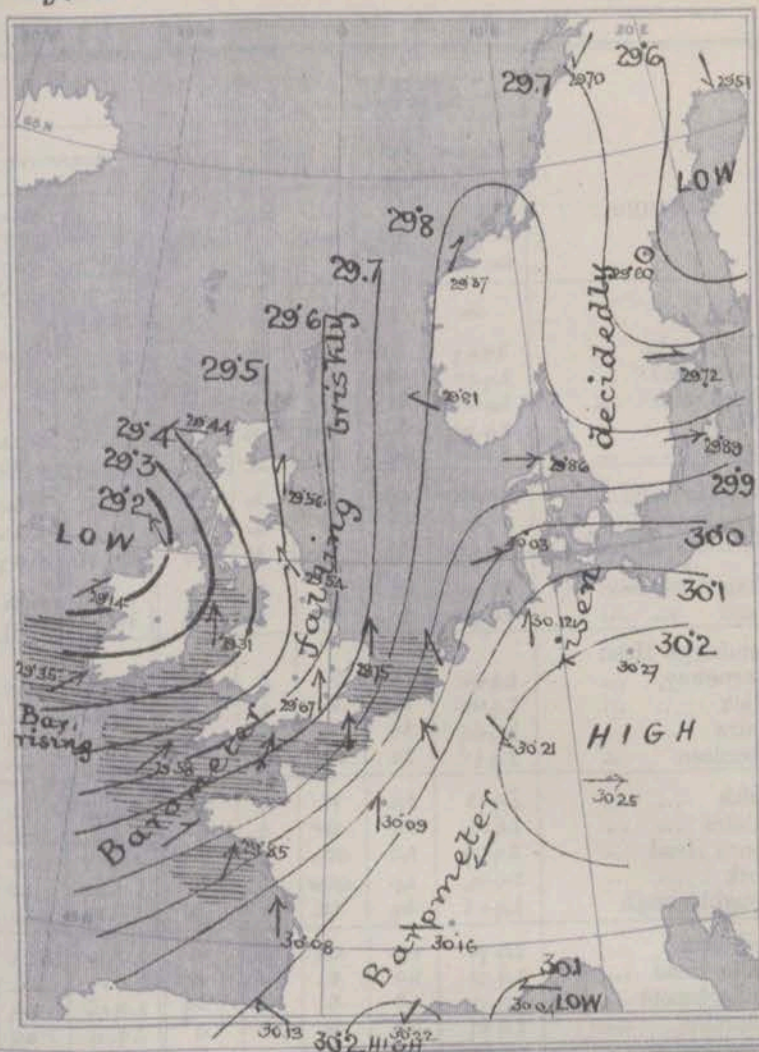
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER.

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
	INCH.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.906
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Dunaghadee	29.881
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Selly	29.947
Prawle Point	29.955
Jersey	29.981
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

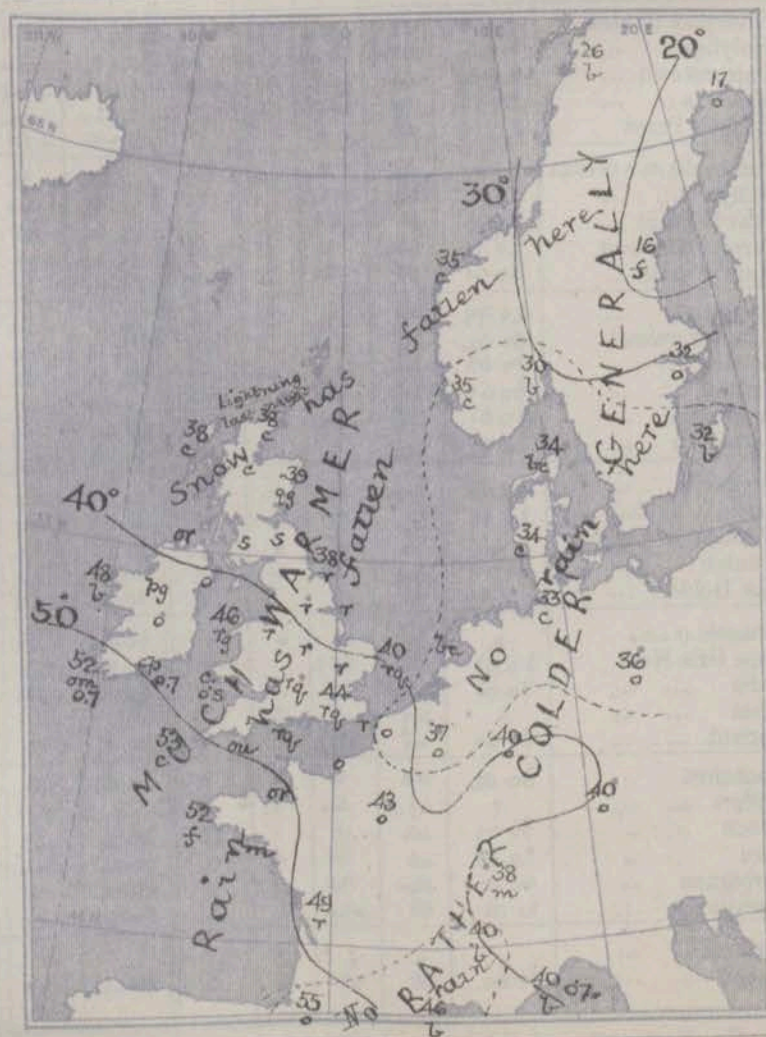
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Daily at 8 a.m.	Daily Wet.	
Sumburgh Head	42.6	33.9	28.3	36.9	2.78
Stornoway	41.9	34.5	30.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.88
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.76
Spurn Head	44.7	36.5	39.7	38.4	1.22
York	48.1	31.0	38.5	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.64
Ardrossan	46.3	35.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Dunaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.0	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Selly	49.3	42.5	45.0	41.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	35.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.4	1.59
Cambridge	50.2	35.0	38.9	37.5	1.40
Yarmouth	45.2	34.9	40.2	38.6	1.82

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards, in an anticyclone lying over Germany and also in another system over the Spanish Peninsula.
 Lowest, 29.2 ins. and less, in a depression lying off the northwest of Ireland.

Gradients rather steep over our Islands and the North Sea, but slight elsewhere.

Barometer falling briskly over the greater part of the United Kingdom, but rising again on our extreme southwest coasts, rising at most of the Continental stations.

TEMPERATURE

Highest, 56° at Limer, 55° at Bunnary, 53° at Scilly, 52° at Valencia Island, Brest, and Lorient, and 50° at Rocher, Bona Point, and Jersey.
 Lowest, 16° at Hemsland, 17° at Haparanda, 26° at Hord, 30° at Bander, and 32° at Stockholm and Näsby.

A considerable rise of temperature has taken place since yesterday over Ireland and England.

WIND

Strong from the S^W or S^Wnd over the southern parts of our Islands and the north of France, with a gale at Hurst Castle.
 SEth over the northern parts of the United Kingdom; moderate in Scotland, but strong over the Irish Sea.

Moderate to strong from the End over Denmark and the south of Scandinavia.

A fresh gale from the S^W or SEnd was experienced last night on our southwest coasts.

WEATHER

Squally and rainy over England, and showery at some of the Irish stations, fair in the north of Scotland, but snow falling at Leith and Androsman.
 Fine in many parts of Scandinavia and Denmark, as well as in the south of France, but dull in Germany.

Rain has again fallen in most parts of England, Ireland and France; the largest amounts being 1.2 in. at Brest, and 0.7 in. at Valencia Island, Rocher, and Näsby. Lunar halos were seen over England last night.

SEA

Rough or rather so on our west, south, and southeast coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northeast is apparently moving northwards, and is likely to occasion a considerable increase of wind from the SEnd on the Scotch coasts. Squally unsettled weather will probably continue for a time in the west and south.

FORECASTS

For the 24 hours ending at NOON on 2nd March

1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE th and S th winds, increasing to a gale; unsettled, some snow.	6 SCOTLAND WEST	SE th and S th strong winds or gales, squally, showery.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	S th winds, strong to a gale; squally and rainy to fair.	8 ENGLAND S.W.	SW th winds, strong; squally, showery.
3 ENGLAND EAST	S th and SW th winds, strong to a gale at first; moderating later; squally and rainy to fair.	9 IRELAND NORTH	Same as N ^o 6 and 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as N ^o 8.
5 ENGLAND SOUTH			
		WARNINGS At 3.50 pm yesterday to districts 8 and 10 and at 7.20 pm to all other coasts. "Hoist South Cone".	

Notes.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.57	40	37	WNW	2	0	5		Valencia ...	29.77	46	44	SE	5	08	5
Sumburgh Head ...	29.57	37	37	WNW	2	0	5		Soilly ...	29.50	48	44	SE	5	m	5
Stornoway ...	29.52	37	37	WNW	2	0	5		Jersey ...	29.91	47	43	ENE	3	60	2
Aberdeen ...	29.58	37	37	WNW	2	0	5		Hurst Castle ...	29.54	46	43	NE	2	m	3
Shields ...	29.76	40	37	WNW	2	0	5		Dungeness ...	29.89	45	41	N	2	6	2
Ardrossan ...	29.69	43	41	WNW	2	0	5		North Foreland ...	29.98	44	39	NNE	2	6	3
Malin Head ...	29.66	41	40	WNW	2	0	5		London (Westminster) ...	29.52	45	37	NNE	1	6	3
Mullaghmore ...	29.71	44	42	WNW	2	0	5		Yarmouth ...	29.87	42	40	NNE	1	6	3
Belmullet ...	29.70	46	44	WNW	2	0	5		Rocheport ...	29.93	51	50	N	5	6	3
Holyhead ...	29.87	45	42	WNW	2	0	5									

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Russia and southeastern Europe, as well as over nearly the whole of the United Kingdom and Brittany; cloudy or overcast in other places, with rain in several parts of France (including the Riviera) and at Copenhagen and Copenhagen. Rain setting in later over the western parts of the United Kingdom, and spreading to nearly the whole of western and northwestern Europe;—falls heaviest (0.7 in.) at mouth of St. George's Channel and at Nice. Lunar halos were seen over England at night.

Temperature highest 60° at Malta, 50° and more over the southern, western, and eastern shores of the Mediterranean, and on the Spanish and Portuguese coasts generally; above 40° over France, Western Germany, and the extreme southwest coasts of England, below 40° elsewhere. Lowest 13° at Archangel, 20° to 24° in the north of Scandinavia, 25° at Kharkov, 28° at Moscow, 29° at St. Petersburg and Hango, 30° at New Schwabesee. Rising to 61° at Perpignan, and to between 50° and 53° on the southwestern coasts of our Islands later, but not touching 45° in the northeast and east.

Winds W¹ to S¹ over nearly the whole of Continental Europe, but moderate N⁴ over the south of England and the Channel, and blowing a gale from WNW at Biarritz; a cyclonic circulation prevalent over the northern parts of the Mediterranean, fresh in force. Strong S¹ winds setting in on our western coasts later, and spreading to the more eastern parts of the Kingdom at night.

Barometer highest 30.2 in. and more to 29.9 in. (1) over Russia and southeastern Europe, (2) over the Iberian Peninsula, and exceeding 29.8 in. in a "ridge" spreading northwards across England and Ireland. Lowest, 29.3 in. and less, in a depression over the west of Norway and the Atlantic, 29.8 in. and less, off the west of Ireland, and 29.7 in. in a small depression near Marseilles. Northern depression dissipating later—new one approaching Ireland from the southward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 7th March, 1893

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.		Weather.		Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Shade Temp.			Amount of Rainfall.		
			Reading at 52° F. and Sea Level.	Dry Bulb.			Dir.	Force (0 to 12).	Reading at 52° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.		Dir.	Force (0 to 12).	Weather.		Max.	Min.
Inch.	°					Inch.	°	°	°				°	°	Inch.					
SCANDINAVIA.	Haparanda ...	29.71	-6	NW	4	b	29.77	+2.6	2	2	-15	W	2	bc	#	6	32	?	-	
	Hernösand ...	29.97	19	Z	0	c	29.65	+0.5	0	0	-16	Z	0	b	#	c	28	0	-	
	Stockholm ...	29.97	29	Z	0	b	29.90	+1.8	24	24	-8	E	4	f	#	b	39	23	-	
	Wisby ...	30.01	35	SW	4	o	29.83	-0.6	32	32	0	SSE	4	o	#	o	37	30	-	
	Bodö ...	29.78	24	SW	4	b	29.76	+0.6	28	25	+2	WNW	7	o	#	6	28	23	-	
	Christiansund...	29.81	34	NE	3	s	29.81	-0.6	28	28	-7	ESE	1	b	3	s	36	28	0.28	
	Skudesnaes ...	29.58	39	E	4	o	29.52	-2.9	36	33	+8	NE	2	s	5	o	39	32	-	
	Christiania Fjord (Fjord)	29.80	32	SSE	2	f	29.59	-1.9	31	31	+1	NNE	5	s	2	f	34	30	-	
	Skagen (The Scaw)	29.75	34	SE	5	o	29.45	-4.1	33	32	-1	SE	3	m	2	o	36	32	0.08	
	Fanö ...	29.50	38	SSE	6	o	29.50	-5.3	37	37	+3	SW	4	o	#	o	39	34	0.39	
BRITISH ISLANDS.	Sumburgh Head	29.23	39	E	4	o	29.72	+2.8	37	36	-1	N	3	o	3	o	40	33	-	
	Stornoway ...	29.28	39	ESE	7	r	29.70	+2.2	38	37	0	NW	2	o	4	r	40	37	0.10	
	Wick ...	29.23	35	Z	0	r	29.67	+2.0	38	38	+3	NE	2	o	2	or	39	31	0.09	
	Nairn ...	29.27	36	WNW	2	o	29.66	+1.0	37	36	-2	WNW	2	o	4	se p	39	35	0.22	
	Aberdeen ...	29.26	34	Z	0	r	29.70	+2.4	39	39	+3	WNW	1	o	#	r	39	31	0.35	
	Leith ...	29.31	44	SW	2	m	29.64	+1.0	41	40	+3	NW	2	od	3	st.m	47	33	0.66	
	Shields ...	29.42	47	SW	4	b	29.64	+0.9	46	44	+7	W	5	cyp	4	cyp	49	39	0.13	
	Spurn Head ...	29.40	49	SW	3	c	29.68	+1.9	48	46	+10	W	5	c	#	c	52	37	0.09	
	York ...	29.50	50	WSW	5	bc	29.82	+2.7	48	44	+7	WNW	4	c	#	bc	56	41	0.11	
	Loughborough	29.24	37	NE	1	f2	29.73	+3.7	42	42	+10	W	1	c	1	rfd	42	31	0.35	
GERMANY & HOLLAND.	Ardrossan ...	29.14	46	WSW	7	or	29.76	+5.9	44	43	+8	WNW	4	op	3	or	49	36	0.37	
	Malin Head ...	29.33	48	SW	6	r m	29.83	+6.9	47	46	0	WSW	3	om	4	omp	51	44	0.11	
	Mullaghmore ...	29.34	49	WSW	7	opu	29.85	+7.1	50	49	+2	SW	2	o	#	op	50	47	0.30	
	Belmullet ...	29.33	49	W	5	o	29.78	+5.0	47	46	+7	W	6	o	4	o	52	39	0.12	
	Donaghadee ...	29.46	49	WSW	6	o	29.82	+4.1	46	43	+4	W	8	bc	6	o	53	42	0.06	
	Liverpool (Bidston)	29.48	48	SW	5	cq	29.87	+5.6	47	46	+1	WSW	4	og	4	cq	51	45	0.05	
	Holyhead ...	29.50	48	SW	2	r	29.90	+6.4	49	48	+1	SW	1	o	#	r	53	46	0.02	
	Parsonstown ...	29.70	51	SW	7	cm	29.98	+6.3	51	51	-1	S	2	om	5	omg.c	53	48	0.02	
	Valencia ...	29.64	51	W	5	bc	29.98	+6.2	49	48	-1	WNW	3	o	4	bcg	53	46	0.03	
	Roche's Point	29.65	48	W	6	c	29.98	+5.4	47	47	-2	WSW	5	c	6	c	49	47	0.02	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.82	50	W	7	c	30.08	+5.0	50	50	-3	SSW	4	c	5	c	53	47	0.07	
	Scilly ...	29.78	48	W	7	c	30.06	+4.4	48	48	-2	W	4	bc m	4	c	52	46	-	
	Prawle Point ...	29.88	53	W	5	cu	30.15	+3.5	49	48	-1	W	5	om	4	gmp	56	48	0.04	
	Jersey (St. Aubin's)	29.72	47	WSW	7	cmgpd	30.02	+3.6	47	45	0	W	4	cm	5	gmp	50	45	0.27	
	Hurst Castle ...	29.67	48	W	6	m	29.92	+1.1	46	44	+2	W	5	bc	4	ogt.m	50	43	0.14	
	Dungeness ...	29.62	51	W	6	bcq p	29.88	+1.0	47	44	+3	W	5	bc	4	bcq p	53	44	0.14	
	North Foreland	29.64	50	WSW	4	bc	29.92	+2.5	49	46	+5	WSW	5	bc	#	r.p.b	57	44	0.18	
	London ...	29.68	48	SW	4	o	29.94	+3.5	46	45	+2	W	2	bm	#	opg	56	43	0.11	
	Oxford ...	29.58	52	SSW	5	b	29.84	+1.8	49	45	+7	WSW	6	c	#	b	59	41	0.18	
	Cambridge ...	29.50	51	WSW	5	c	29.72	-0.3	47	45	+7	W	6	cqg	4	r.q.c	52	39	0.19	
PENIN- SULA.	Yarmouth ...	29.79	42	S	5	r	29.67	-4.5	43	42	+10	WSW	4	o	#	r	45	33	0.26	
	Cuxhaven ...	29.95	41	SE	4	b	29.77	-5.0	45	44	+9	SW	2	r	#	o	45	36	0.16	
	Berlin ...	29.99	40	NE	2	b	29.99	-2.2	46	44	+6	SW	3	c	#	#	50	37	0.08	
	Munich ...	30.10	40	NE	2	b	30.09	-1.6	44	42	+4	SW	7	r	#	#	48	39	0.12	
	The Helder ...	29.99	51	SSW	4	o	29.70	-3.5	42	41	+9	SW	6	-r	#	o	46	32	0.32	
	Brussels (9 a.m.)	29.65	48	WSW	7	m	29.86	+0.2	46	44	+4	W	6	c	6	m	50	37	0.08	
	Cape Gris Nez	29.99	51	SSW	4	o	30.17	+0.8	44	43	+1	SSW	3	o	#	o	56	43	0.08	
	Paris ...	?	51	W	5	c	?	?	50	49	-2	W	3	c	5	o	54	41	-	
	Brest ...	30.01	52	W	7	c	30.22	+3.7	50	50	-2	W	4	m	6	c	54	48	-	
	Lorient ...	30.14	54	W	5	o	30.27	+1.9	50	48	+1	W	1	o	#	o	55	45	0.16	
FRANCE AND BELGIUM.	Rochefort ...	?	50	WSW	3	o	?	?	46	43	+8	W	4	o	#	o	53	36	0.16	
	Belfort ...	30.22	50	S	2	o	30.32	+1.6	48	44	+8	SSW	1	o	#	o	55	40	0.04	
	Lyons ...	30.14	52	Z	0	o	30.08	+0.4	49	43	+9	Z	0	b	#	o	61	40	-	
	Nice ...	30.25	63	HW	1	o	30.25	+0.3	58	53	+12	NW	4	o	#	o	67	46	-	
	Perpignan ...	30.21	60	N	2	o	30.26	+1.3	57	54	+2	NNE	3	o	3	o	63	52	1.02	
	Biarritz ...	30.39	57	N	3	b	30.36	-0.2	52	51	-4	NNE	4	b	#	#	64	50	-	
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
	Lisbon ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

for 8 a.m. on Thursday, 2nd March, 1893.

EXPLANATION OF MAP

Changes since previous morning are given in parentheses.

* → → = forces above 10, → → = forces 8 to 10,
 → → = forces 6 to 7, → → = forces 1 to 4.
 ⊙ = dead calm.

A hand-drawn weather map of the North Atlantic and Europe, showing a low-pressure system off the coast of Ireland and a high-pressure system over the British Isles. The map includes isobars, isotherms, and various handwritten annotations such as "Barometer", "Rise of 0.5 Barometer", "decidedly", and "falling". Numerical values for pressure and temperature are scattered across the map.

Pressure Features:

- Low Pressure:** A low-pressure system is centered off the west coast of Ireland, with a central value of 29.45. It is surrounded by isobars labeled 29.50, 29.6, 29.7, and 29.8. The word "LOW" is written in the center.
- High Pressure:** A high-pressure system is located over the British Isles, with a central value of 30.3. It is surrounded by isobars labeled 30.2, 30.22, 30.24, 30.26, 30.28, 30.3, and 30.32. The word "HIGH" is written in the center.

Temperature Features:

- Isotherms:** Isotherms are drawn across the map, with values ranging from 29.5 to 30.5. Some values are written vertically along the right side of the map.
- Annotations:** The word "falling" is written vertically on the right side of the map, and "decidedly" is written diagonally across the bottom right. Other annotations include "Barometer", "Rise of 0.5 Barometer", and "decidedly".

Other Details:

- The map shows the outlines of the British Isles, Ireland, and the North Atlantic.
- Handwritten numbers like 29.72, 29.81, 29.85, 29.87, 29.91, 29.98, 30.01, 30.02, 30.03, 30.05, 30.08, 30.1, 30.17, 30.2, 30.22, 30.24, 30.26, 30.28, 30.3, 30.32, 30.34, 30.36, 30.38, 30.4, 30.42, 30.44, 30.46, 30.48, 30.5, 30.52, 30.54, 30.56, 30.58, 30.6, 30.62, 30.64, 30.66, 30.68, 30.7, 30.72, 30.74, 30.76, 30.78, 30.8, 30.82, 30.84, 30.86, 30.88, 30.9, 30.92, 30.94, 30.96, 30.98, 31.0, 31.02, 31.04, 31.06, 31.08, 31.1, 31.12, 31.14, 31.16, 31.18, 31.2, 31.22, 31.24, 31.26, 31.28, 31.3, 31.32, 31.34, 31.36, 31.38, 31.4, 31.42, 31.44, 31.46, 31.48, 31.5, 31.52, 31.54, 31.56, 31.58, 31.6, 31.62, 31.64, 31.66, 31.68, 31.7, 31.72, 31.74, 31.76, 31.78, 31.8, 31.82, 31.84, 31.86, 31.88, 31.9, 31.92, 31.94, 31.96, 31.98, 32.0, 32.02, 32.04, 32.06, 32.08, 32.1, 32.12, 32.14, 32.16, 32.18, 32.2, 32.22, 32.24, 32.26, 32.28, 32.3, 32.32, 32.34, 32.36, 32.38, 32.4, 32.42, 32.44, 32.46, 32.48, 32.5, 32.52, 32.54, 32.56, 32.58, 32.6, 32.62, 32.64, 32.66, 32.68, 32.7, 32.72, 32.74, 32.76, 32.78, 32.8, 32.82, 32.84, 32.86, 32.88, 32.9, 32.92, 32.94, 32.96, 32.98, 33.0, 33.02, 33.04, 33.06, 33.08, 33.1, 33.12, 33.14, 33.16, 33.18, 33.2, 33.22, 33.24, 33.26, 33.28, 33.3, 33.32, 33.34, 33.36, 33.38, 33.4, 33.42, 33.44, 33.46, 33.48, 33.5, 33.52, 33.54, 33.56, 33.58, 33.6, 33.62, 33.64, 33.66, 33.68, 33.7, 33.72, 33.74, 33.76, 33.78, 33.8, 33.82, 33.84, 33.86, 33.88, 33.9, 33.92, 33.94, 33.96, 33.98, 34.0, 34.02, 34.04, 34.06, 34.08, 34.1, 34.12, 34.14, 34.16, 34.18, 34.2, 34.22, 34.24, 34.26, 34.28, 34.3, 34.32, 34.34, 34.36, 34.38, 34.4, 34.42, 34.44, 34.46, 34.48, 34.5, 34.52, 34.54, 34.56, 34.58, 34.6, 34.62, 34.64, 34.66, 34.68, 34.7, 34.72, 34.74, 34.76, 34.78, 34.8, 34.82, 34.84, 34.86, 34.88, 34.9, 34.92, 34.94, 34.96, 34.98, 35.0, 35.02, 35.04, 35.06, 35.08, 35.1, 35.12, 35.14, 35.16, 35.18, 35.2, 35.22, 35.24, 35.26, 35.28, 35.3, 35.32, 35.34, 35.36, 35.38, 35.4, 35.42, 35.44, 35.46, 35.48, 35.5, 35.52, 35.54, 35.56, 35.58, 35.6, 35.62, 35.64, 35.66, 35.68, 35.7, 35.72, 35.74, 35.76, 35.78, 35.8, 35.82, 35.84, 35.86, 35.88, 35.9, 35.92, 35.94, 35.96, 35.98, 36.0, 36.02, 36.04, 36.06, 36.08, 36.1, 36.12, 36.14, 36.16, 36.18, 36.2, 36.22, 36.24, 36.26, 36.28, 36.3, 36.32, 36.34, 36.36, 36.38, 36.4, 36.42, 36.44, 36.46, 36.48, 36.5, 36.52, 36.54, 36.56, 36.58, 36.6, 36.62, 36.64, 36.66, 36.68, 36.7, 36.72, 36.74, 36.76, 36.78, 36.8, 36.82, 36.84, 36.86, 36.88, 36.9, 36.92, 36.94, 36.96, 36.98, 37.0, 37.02, 37.04, 37.06, 37.08, 37.1, 37.12, 37.14, 37.16, 37.18, 37.2, 37.22, 37.24, 37.26, 37.28, 37.3, 37.32, 37.34, 37.36, 37.38, 37.4, 37.42, 37.44, 37.46, 37.48, 37.5, 37.52, 37.54, 37.56, 37.58, 37.6, 37.62, 37.64, 37.66, 37.68, 37.7, 37.72, 37.74, 37.76, 37.78, 37.8, 37.82, 37.84, 37.86, 37.88, 37.9, 37.92, 37.94, 37.96, 37.98, 38.0, 38.02, 38.04, 38.06, 38.08, 38.1, 38.12, 38.14, 38.16, 38.18, 38.2, 38.22, 38.24, 38.26, 38.28, 38.3, 38.32, 38.34, 38.36, 38.38, 38.4, 38.42, 38.44, 38.46, 38.48, 38.5, 38.52, 38.54, 38.56, 38.58, 38.6, 38.62, 38.64, 38.66, 38.68, 38.7, 38.72, 38.74, 38.76, 38.78, 38.8, 38.82, 38.84, 38.86, 38.88, 38.9, 38.92, 38.94, 38.96, 38.98, 39.0, 39.02, 39.04, 39.06, 39.08, 39.1, 39.12, 39.14, 39.16, 39.18, 39.2, 39.22, 39.24, 39.26, 39.28, 39.3, 39.32, 39.34, 39.36, 39.38, 39.4, 39.42, 39.44, 39.46, 39.48, 39.5, 39.52, 39.54, 39.56, 39.58, 39.6, 39.62, 39.64, 39.66, 39.68, 39.7, 39.72, 39.74, 39.76, 39.78, 39.8, 39.82, 39.84, 39.86, 39.88, 39.9, 39.92, 39.94, 39.96, 39.98, 40.0, 40.02, 40.04, 40.06, 40.08, 40.1, 40.12, 40.14, 40.16, 40.18, 40.2, 40.22, 40.24, 40.26, 40.28, 40.3

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL.—Dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE,
AND RAINFALL.

A hand-drawn weather map of the British Isles and surrounding regions. The map includes the following features:

- Geographical Labels:** "LITTLE CHANGE" (top right), "W A P" (top left), "M E" (center left), "G E N E R A L L Y" (center right), "L I T T L E C O O L E R" (bottom left), and "No rain here" (bottom center).
- Temperature and Precipitation Data:**
 - Top right: 28°
 - Top center: 30°
 - Top left: 31°
 - Center left: 31°
 - Center: 31°, 37°, 44°, 47°, 49°
 - Center right: 37°, 43°, 45°
 - Bottom right: 44°
 - Bottom center: 46°, 48°, 49°
 - Bottom left: 51°
 - Far left: 50°
- Wind and Weather Patterns:**
 - Arrows indicating wind direction and speed.
 - Clouds and precipitation symbols.
 - Text: "Snow has fallen" (top right), "Rain" (center left), "No rain here" (bottom center), and "No rain" (bottom right).
- Compass Rose:** Located in the top right corner, indicating North (N), South (S), East (E), and West (W).

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 in: to 30.3 in: and upwards, in a large anticyclone covering the greater part of France and Spain.

Lowest, 29.5 in: and less, in a depression lying over the eastern part of the North Sea.

Gradients moderate over England, the Netherlands, and Germany, but slight elsewhere.

Barometer falling in Scandinavia, Denmark, and Germany, rising in most parts of our islands and France, but ^{not much checked} at Kelenes (Ireland).

TEMPERATURE

Highest, 55° at Kripyan, 57° at Biernitz, 52° at Lisbon, 51° at Valencia (Ireland), and 50° at Balmuccia, Sicily, Brest, Saint-Rochfort.

Lowest, 28° at Bode, 30° at Christiansund, 31° at Tveder, 33° at Skagen, 36° at Skutumpah, and 37° at Taro, Norway, and Aberdeen.

During yesterday the thermometer exceeded 50° in most parts of Ireland and England, the highest reading of all being 53° at Cambridge.

WIND

Light or moderate from the NE^{wt} in Norway, and from the NE^{wt} or NW^{wt} in Scotland; strong W^{ly} over England, and SW^{ly} over Denmark, Germany and the Netherlands.

Light from the W^{ly} or NW^{ly} in the west and south of France.

In the west of Ireland it has backed to the S^{ly}, but is at present light in force.

WEATHER

Fair over the greater part of England, but dull in Ireland and Scotland, as well as at most of the Continental stations.

Rain is falling in Holland and Germany, and snow in the south of Norway.

Snow or sleet fell yesterday at many of our northern stations, and rain in most other parts of Western Europe, the largest amount being 1.0 in: at Biernitz and 0.7 in: at Shields.

SEA

Rough or rather so on several of the more exposed parts of our western and southern coasts, as well as off the north and northwest of France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The check in the barometric recovery and the backing winds in the west of Ireland seem to point to the advance of another depression from the Atlantic. Increasing winds are therefore probable on our western and southern coasts, with a renewal of unsettled rainy weather over the United Kingdom generally.

FORECASTS

For the 24 hours ending at NOON on 3rd March, 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Wind shifting to the SE ^{ly} or E ^{ly} ; fair to unsettled, with some rain or sleet.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W ^{ly} to S ^{ly} or SE ^{ly} winds; fair to dull and some rain.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Moderate W ^{ly} breezes and fair weather followed by increasing S ^{ly} and SW ^{ly} winds and rain.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0 and 1.
7	ENGLAND N.W.	Same as No 2.
8	ENGLAND S.W.	S ^{ly} and SW ^{ly} winds, increasing in force, dull, rainy.
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		The SOUTH CONE is still flying on all our coasts.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.77	39	36	SE	4	o	3	Valencia ...	29.55	51	49	SW	8	o q m	6
Sumburgh Head ...								Scilly ...	29.79	53	51	WSW	7	c	5
Stornoway ...	29.25	39	38	E	4	o	4	Jersey ...	29.92	55	52	WSW	7	c	4
Aberdeen ...	29.30	37	36	SE	7	o q t q	6	Hurst Castle ...	29.66	49	48	WSW	7	o m p q	5
Shields ...	29.24	39	37	SSW	3	7	3	Dungeness ...	29.63	49	48	WSW	7	o q t	6
Ardrossan ...	29.26	35	35	E. N. E.	2	7	1	North Foreland ...	29.64	52	50	WSW	4	6 c	5
Melin Head ...	29.14	46	46	SSW	5	o	2	London (Westminster) ...	29.59	55	52	SW	4	c	4
Mullaghmore ...	29.21	49	48	WSW	5	o m p	3	Yarmouth ...	29.50	50	49	SW	5	c	4
Belmullet ...	29.24	50	48	SW	6	o p	4	Rochefort ...							
Holyhead ...	29.39	50	49	SW	6	o c q	5								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine over the Mediterranean, the south of Scandinavia and north Germany, foggy over several parts of southeastern Europe; cloudy or overcast elsewhere. Very wet, squally and unsettled over the British Islands and their neighbourhood, raining in France, dull over Russia, with snow in places. Considerable rain over the British Islands and northwestern Europe later, and snow on our northeast coasts; a heavy fall of rain (1.0 in.) at Biarritz.

Temperature risen decidedly over the northern and western countries. Morning readings 62° at Connaught, and about 50° at many of the Adriatic and Mediterranean stations, as well as on the Atlantic coasts of Europe. Below 40° however, in the north and northeast of our Islands, and over Central Europe, and lowest of all 16° to 17° on the northern coasts of Sweden, 26° at Rode and Archangel, 28° at Moscow, and 30° at Kiev. Rising later to 50° or more over almost the whole of England and Ireland (59° at Cambridge), and exceeding 60° in the south of France (67° at Perpignan).

Wind very light and variable over the inland parts of the Continent, but (1) strong to a gale from SW over Brittany, the Channel, and south of our Islands, strong from S. and SE. in the northern parts of England and Ireland, moderate S to E in Scotland; (2) W to S, moderate to strong, over the Baltic, NNW, light at Haparanda, SSE at Stockholm and Archangel; (3) moderate, but cyclonic over Italy and the Mediterranean, bearing W over England later, but blowing a gale from the E at Aberdeen during the afternoon.

Barometer highest 30.3 in. and more to 30.1 in. over Spain and the southwest of France, and also over central and western Russia; 30.2 in. to 30.1 in. over Germany and Austria. Lowest 30.0 in. and less, in a large shallow depression over Italy, Sardinia, and Sicily; 29.5 in. and less, in another near Uleaborg; and 29.2 in. and less, in another off the northwest of Ireland. Latter system spreading eastwards later and moving northwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 3rd March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.						SHADE TEMP.			
	Reading at 59° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.		Reading at 59° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).		Weather.	Max.	Min.	Amount of Rainfall.
	Inch.	°					Inch.	°	°	°								°	Inch.	
SCANDINAVIA.	Haparanda ...	29.76	11	SW	2	bc	29.64	-13	11	11	+9	E	2	S	#	bc	16	0	0.04	
	Hernösand ...	29.97	6	Z	0	0	29.91	+16	0	-1	0	Z	0	b	#	0	19	-4	-	
	Stockholm ...	29.67	30	EHE	6	S	29.85	-05	22	21	-2	N	6	0	#	S	30	22	0.43	
	Wisby ...	29.56	35	SE	4	0	29.59	-24	32	31	0	NE	6	S	#	0	36	27	0.32	
	Bodö ...	29.67	30	nnw	6	0	29.60	-16	25	24	-3	nnw	4	c	3	0	30	23	-	
	Christiansund...	30.02	28	EHE	1	b	30.15	+34	37	36	+9	WSW	8	c	4	b	37	27	-	
	Skudesnaes ...	29.83	35	nnw	6	c	30.21	+69	31	27	-5	N	4	b	2	c	42	28	-	
	Christiania Fjord (Fjorder)	29.64	27	nnw	5	S	30.09	+50	25	24	-6	nnw	2	b	1	S	32	25	-	
	Skagen (The Scaw)	29.56	30	NE	6	0	29.98	+53	26	25	-1	NE	7	b	5	0	36	26	0.08	
	Fanö ...	29.78	33	nnw	4	c	30.03	+53	34	31	-3	N	6	b	#	c	39	32	0.12	
BRITISH ISLANDS.	Sumburgh Head	30.02	40	NE	3	bc	29.93	+21	41	41	+4	S	6	r	5	b, bc	45	34	0.02	
	Stornoway ...	30.03	38	nnw	1	b	30.08	+38	39	36	+1	S	6	cu	4	b	45	35	-	
	Wick ...	30.05	36	Z	0	b	30.07	+40	36	35	-2	Z	0	0	0	b	44	26	-	
	Nairn ...	30.06	39	nnw	3	b	30.22	+56	38	35	+1	ese	3	c	4	b	43	28	-	
	Aberdeen ...	30.04	39	Z	0	b	30.18	+48	38	36	-1	ese	3	0	#	b	43	31	-	
	Leith ...	30.03	41	nnw	2	c	30.24	+60	38	37	-3	SE	3	0	3	a, c	43	32	-	
	Shields ...	30.01	42	nnw	3	0	30.28	+64	40	39	-6	ese	2	0	3	op	46	35	0.01	
	Spurn Head ...	30.02	44	NE	1	0	30.27	+59	38	37	-10	E	1	0	#	0	49	34	-	
	York ...	30.04	50	nnw	2	c	30.28	+46	40	39	-8	ese	2	om	#	c, r	56	40	0.05	
	Loughborough	30.01	43	EHE	1	cm	30.11	+38	37	37	-5	EHE	1	tm	1	cm	49	35	0.01	
GERMANY & HOLLAND.	Ardrossan ...	29.96	43	ese	4	0	29.86	+10	43	43	-1	SE	6	om	2	0	46	41	0.08	
	Malin Head ...	29.93	48	nnw	1	tm	29.88	+05	52	52	+5	S	6	og	4	a, om, r	52	46	0.30	
	Mullaghmore ...	29.91	50	SE	2	0	29.85	00	50	49	0	S	4	og	#	0	51	47	0.21	
	Belmullet ...	30.02	46	E	2	c	30.09	+31	43	43	-4	SE	6	r	4	c	50	39	0.07	
	Donaghadee ...	30.04	46	nnw	1	0	30.21	+39	40	39	-6	ese	5	r	5	0	51	40	0.17	
	Liverpool (Bidston)	30.01	47	nnw	4	og	30.09	+22	47	47	0	S	3	dgm	3	og	51	44	0.22	
	Holyhead ...	29.97	51	SW	1	r	29.98	+08	50	49	+1	SE	1	0	#	r	54	48	0.17	
	Parsonstown ...	30.01	53	S	3	om	29.96	-02	52	51	+1	S	4	om	4	om	53	50	0.04	
	Valencia ...	30.03	51	nnw	2	f	30.04	+06	49	49	0	SW	3	tm	4	f	52	48	0.02	
	Roche's Point	30.05	47	SW	1	f	30.13	+15	47	47	0	SW	4	om	5	f	49	46	0.06	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.11	50	nnw	4	tm	30.16	+08	50	50	0	S	4	m	2	cf	51	46	0.02	
	Scilly ...	30.10	49	W	4	c	30.24	+18	48	48	0	S	2	m	2	cf	51	46	0.02	
	Prawle Point ...	30.18	50	SW	5	ofr	30.28	+13	49	49	0	W	4	ofr	4	ofr	52	48	0.21	
	Jersey (St. Aubin's)	30.09	47	W	4	m	30.26	+24	45	45	-2	SE	3	m	4	mfr	50	45	0.08	
	Hurst Castle ...	30.04	46	W	3	c	30.28	+36	44	43	-2	E	3	0	3	o, c	50	43	0.02	
	Dungeness ...	30.02	52	nnw	2	om	30.32	+44	43	41	-4	E	2	0	3	q, om	54	41	0.01	
	North Foreland	30.06	53	W	2	c	30.29	+37	42	41	-1	SE	2	0	#	bc, o, r	56	41	0.06	
	London ...	30.11	48	nnw	1	0	30.27	+33	43	43	-3	ese	1	r	#	c, o	57	43	0.02	
	Oxford ...	30.04	50	nnw	1	c	30.31	+47	41	40	-8	EHE	1	0	#	c	57	39	0.02	
	Cambridge ...	30.00	45	nnw	3	og, m	30.29	+57	40	39	-7	NE	2	bc	3	c, q, m	52	40	-	
PENINSULA.	Yarmouth ...	29.69	39	nnw	4	0	30.04	+37	36	35	-1	nnw	7	b	#	0	43	35	0.04	
	Cuxhaven ...	29.78	45	nnw	3	r	29.83	+06	37	35	-8	nnw	5	c	#	r	50	36	0.08	
	Berlin ...	30.21	45	SW	6	0	30.21	+22	41	38	-5	nnw	3	bc	#	#	48	41	0.08	
	Wiesbaden ...	30.12	45	SW	6	0	30.12	+03	41	40	-3	SW	6	r	#	0	50	39	0.04	
	Munich ...	30.04	40	nnw	5	c	30.30	+60	39	37	-3	nnw	3	b	3	c	43	39	0.04	
	The Helder ...	30.01	45	W	6	c	30.34	+39	39	39	-1	nnw	4	0	#	0	53	37	-	
	Brussels (9 a.m.)	30.21	50	SW	4	0	30.26	+09	48	48	+4	nnw	1	0	#	0	57	44	0.16	
	Cape Gris Nez	30.25	50	nnw	4	m	30.28	+06	50	50	0	SW	3	m	4	f	52	46	-	
	Brest ...	30.27	53	nnw	3	f	30.29	+02	49	49	-1	nnw	3	f	#	f	54	48	-	
	Lorient ...	30.27	47	nnw	3	c	30.29	+02	47	45	+1	W	3	0	#	c	54	41	-	
GERMANY & HOLLAND.	Rocheport ...	30.09	51	E	1	b	30.08	00	52	40	+3	E	1	0	2	b	63	48	-	
	Belfort ...	30.27	64	nnw	3	0	30.25	00	57	52	-1	W	2	bc	#	0	71	55	-	
	Lyons ...	30.35	58	nnw	2	b	30.32	+06	51	51	-6	ese	2	f	4	b	63	46	-	
	Nice ...	30.24	62	N	3	b	30.26	-10	53	51	+1	nnw	4	b	#	b	68	52	-	
	Perpignan ...	30.24	62	N	3	b	30.26	-10	53	51	+1	nnw	4	b	#	b	68	52	-	
	Biarritz ...	30.24	62	N	3	b	30.26	-10	53	51	+1	nnw	4	b	#	b	68	52	-	
	Corunna ...	30.24	62	N	3	b	30.26	-10	53	51	+1	nnw	4	b	#	b	68	52	-	
	Lisbon ...	30.24	62	N	3	b	30.26	-10	53	51	+1	nnw	4	b	#	b	68	52	-	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 3rd March 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10 — forces 8 to 10 — forces 6 to 7 — forces 4 to 5

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

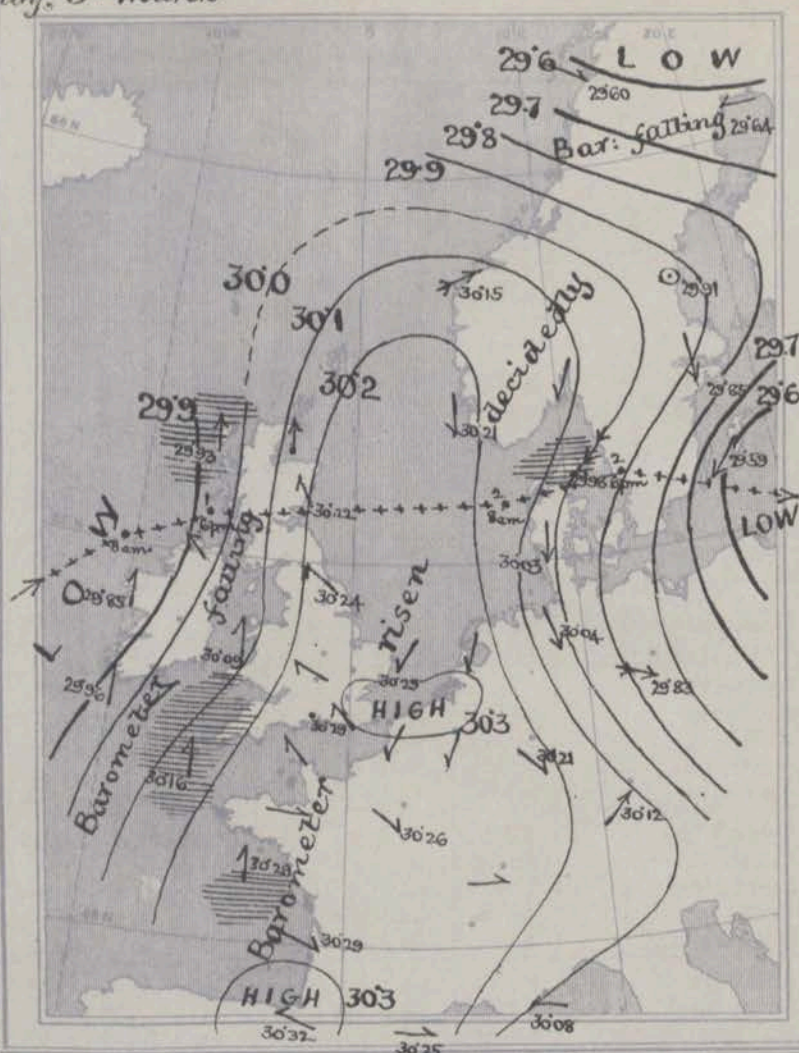
— Bough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.945
Mullaghmore	29.972
Dunghadue	29.982
Holyhead	29.997
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.947
Pembroke	29.929
Selly	29.947
Prawle Point	29.953
Jersey	29.991
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.911
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	42.6	33.9	38.3	38.0	2.79
Stornoway	44.0	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.9	2.02
Nairn	45.6	33.9	38.0	36.2	1.08
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.0	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.70
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.6	37.0	1.73
Loughborough	49.5	34.2	38.0	37.3	1.04
Ardrossan	45.3	35.3	40.1	38.5	2.44
Mullaghmore	47.0	36.4	41.0	40.2	2.87
Dunghadue	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	35.0	42.0	40.5	2.27
Liverpool	47.0	36.8	40.8	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.0	41.5	3.71
Pembroke	48.6	38.1	42.1	40.3	2.40
Selly	49.5	42.2	46.0	44.2	2.10
Prawle Point	48.1	37.7	42.0	41.2	1.93
Jersey	43.5	39.0	43.0	42.0	2.55
Hurst Castle	47.8	37.2	41.0	40.1	1.38
Dover	40.4	36.9	40.7	39.2	1.83
LONDON	40.0	36.4	40.1	38.2	1.40
Oxford	49.0	34.3	38.0	37.4	1.59
Cambridge	50.2	37.0	38.9	37.5	1.40
Yarmouth	45.7	34.2	40.2	38.0	1.53

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards in the southwest of France; 30.2 in. and upwards in a ridge extending northwards over England and the North Sea.
 Lowest, 29.6 in. and less, in a depression lying over the Baltic; 29.9 in. and less, in another disturbance approaching our extreme northwest coasts.
 Gradients rather steep in the north and northwest of our Islands and also over the Baltic, but slight elsewhere.
 Barometer rising generally, but falling on our extreme north and northwest coasts.

TEMPERATURE

Highest, 57° at Keflavik, 53° at Lisbon, 52° at Valencia (Ireland), Mullaghmore and Nieu, and 51° at Haritz.
 Lowest, 0° Zero at Hovossand, 11° at Haparanda, 22° at Stockholm, 25° at Bonn and Berlin, and 31° at Skideneass.
 During yesterday the thermometer over the inland parts of England rose to between 55° and 57°.

WIND

S^W in the west and north of our Islands; strong in force on our extreme north and northwest coasts.
 Light from the SE^W over the greater part of England; variable in France.
 W^W in the west of Norway, with a gale at Christiansund; fresh or strong from the NW^W over Denmark and the south of Scandinavia and from the NW^W in Germany.

WEATHER

Dull over the United Kingdom and France, with rain at several of our western stations.
 Fine and bright over Norway, Denmark, and the Netherlands, and North Germany, unsettled in Sweden, with snow at Haparanda & Uleåfja.
 In the course of the past twenty-four hours rain has fallen in nearly all parts of England, Ireland, and Germany, and rain or snow in Denmark. Lunar halos were seen last night at several of our northern stations.

SEA

Rather rough on many parts of our western and extreme northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching our northwest coasts seems likely to occasion S^W gales in many parts of Ireland and Scotland. Rainy weather is apparently spreading eastwards over England.

FORECASTS

For the 24 hours ending at NOON on 4th March 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S ^W winds, increasing to a gale; dull, rainy.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	SE ^W to S ^W winds, freshening considerably; dull, unsettled, some rain.	7 ENGLAND N.W.	S ^W winds, increasing in force; dull, some rain.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	SE ^W to S ^W or SW ^W winds; dull, misty, some rain, temperature rising.	9 IRELAND NORTH	Same as No 0.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 7 and 8.
5 ENGLAND SOUTH			
		WARNINGS	At 10 am to districts 0, 6, 9, and 10. HOIST SOUTH CONE.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.64	42	38	N	1	C	4	Valencia ...	29.98	52	52	S	3	TM	5
Sumburgh Head ...								Scilly ...	30.09	53	52	WSW	4	M	5
Stornoway ...	29.91	45	44	NW	3	B	3	Jersey ...	30.19	51	49	WSW	4	O	4
Aberdeen ...	29.90	43	40	NW	3	B	4	Hurst Castle ...	30.08	49	49	WSW	4	M	5
Shields ...	29.88	43	41	NW	2	C	2	Dungeness ...	29.99	48	47	W	6	O	5
Ardrossan ...	29.92	46	44	W	1	C	1	North Foreland ...	29.98	53	49	NW	5	O	4
Malin Head ...	29.91	46	45	N	1	O	3	London (Westminster) ...	29.99	57	51	W	3	O	*
Mullaghmore ...	29.92	50	50	SW	1	OM	2	Yarmouth ...	29.84	51	47	NW	5	CQ	4
Belmullet ...	29.91	51	50	SW	3	O	2	Rochefort ...	30.30	53	51	WSW	4	O	*
Holyhead ...	29.98	49	48	WSW	4	O	4								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine over the Peninsula and in the northern parts of Sweden, changeable (fine to showery) over England, cloudy or overcast and unsettled over the northwestern and central countries generally; rain falling over North Germany, and locally in several parts of the United Kingdom. Rain reported later at nearly all stations over Ireland, England, and neighbourhood, snow in Sweden, but amounts not large in our Islands (largest 0.3 in. at Mullaghmore).

Temperature showing a rapid fall over northern Europe, rise somewhat over the central and western countries. Morning readings 61° at Algiers, 60° at Corunna, and exceeding 50° over the south and southwest coasts of Europe and the British Islands; exceeding 40° over France and Central Europe, but lower over Scotland and the northern and eastern countries. Lowest -3°F at Umeå, 0° at Helsingfors, +2° at Haparanda, 6° at Kuopio, 25° at Stockholm, 30° at Riga. Rising to 50° and more almost all over Ireland, England, and France later, and touching 57° at Oxford, Cambridge and Paris, 63° at Nice and Biarritz, and 67° at Perpignan.

Wind (1) very variable over Eastern and southeastern Europe, as well as over the Iberian Peninsula; (2) strong W³ over England, SW² over the Netherlands, S² over north Germany. E² (light) in the west of Norway; (3) blowing hard from the W⁴ over the White Sea. Falling light over England later; becoming S² at our western stations, but not increasing in force; remaining anticyclonic over Spain.

Barometer highest (1) 30.4 in. and more to 30.1 in. over Spain and the southern half of France; (2) 30.3 in. and more to 30.1 in. over southeastern Europe, with the southern half of Russia. Lowest (1) 29.3 in. in a deep depression over the northeast of Russia; (2) 29.5 in. and less in another over the eastern side of the North Sea. Rising over the United Kingdom and the North Sea later - quickly in the north and east of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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for 8 a.m. on Saturday, 4th March, 1893.

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STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.	
		Reading at 52° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 52° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.		
		Inch.	°				Inch.	°	°	°							°	Inch.		
SCANDINAVIA.	Haparanda ...	29.89	7	S	4	b	29.87	+1.23	-13	-13	-24	Z	0	b	#	b	21	?	-	
	Hernösand ...	30.10	12	Z	0	bc	29.95	+1.04	26	24	+16	Z	0	0	#	bc	32	-6	-	
	Stockholm ...	30.28	27	HW	2	c	30.21	+1.36	25	22	+3	HW	4	0	#	c	34	19	-	
	Wisby ...	30.07	24	N	6	b	30.35	+1.76	27	26	-5	SW	4	b	#	b	32	25	0.08	
	Bodo ...	29.89	26	HW	6	s	29.74	+1.14	22	21	-3	NE	2	0	1	S	27	19	-	
	Christiansund...	30.10	35	WSW	3	c	29.63	+1.52	36	34	-1	ESE	3	S	4	c	39	34	-	
	Skudesnaes ...	30.25	35	SSE	6	bc	29.85	-1.36	36	36	+5	SSE	8	#	6	bc	41	31	-	
	Christiania Fjord (Færdor)	30.27	30	WSW	2	b	30.08	-0.01	33	31	+2	SSW	8	0	1	b	32	25	-	
	Skagen (The Scaw)	30.36	28	W	1	bc	30.21	+1.23	32	31	+6	SW	4	0	3	bc	41	26	-	
	Fanø ...	30.45	32	Z	0	b	30.31	+1.28	33	30	-1	S	5	c	#	b	41	32	-	
BRITISH ISLANDS.	Sumburgh Head																			
	Stornoway ...	29.68	46	SW	7	r	29.62	-0.31	44	44	+3	W	4	0	4	r	46	40	0.05	
	Wick ...	29.82	40	S	7	0	29.61	-0.47	44	43	+5	W	3	0	3	0	44	39	0.06	
	Nairn ...	29.82	39	SSW	2	c	29.67	-0.40	45	43	+9	SW	2	c	1	c	44	35	0.01	
	Aberdeen ...	29.96	40	SSE	7	0	29.75	-0.47	45	42	+7	SW	3	bc	5	ogp	48	38	0.03	
	Leith ...	29.96	40	S	2	0	29.84	-0.34	47	45	+9	W	4	bc	#	0	51	36	0.03	
	Shields ...	30.10	43	S	4	0	29.91	-0.33	47	45	+9	SW	3	c	2	o.p.r	47	35	0.02	
	Spurn Head ...	30.20	41	SSE	4	ogp	30.00	-0.28	45	44	+5	SSW	3	op	3	ogp	45	39	0.03	
	York ...	30.20	43	SSE	3	0	30.01	-0.26	47	47	+9	SSW	1	0	#	ogp	47	37	0.05	
	Loughborough	30.21	46	SE	4	0	30.09	-0.19	48	47	+8	WSW	3	adp	#	0	48	40	0.02	
GERMANY & HOLLAND.	Ardrossan ...	29.91	45	S	4	tm	29.88	-0.23	45	45	+8	WSW	5	b	3	o.t.m	45	36	0.26	
	Malin Head ...	29.78	50	S	5	or	29.89	+0.03	44	43	+1	W	4	cp	3	or	52	43	0.05	
	Mullaghmore ...	29.84	52	SW	5	og	30.01	+1.13	46	44	-6	WSW	5	c	4	op.g	54	44	0.05	
	Belmullet ...	29.83	50	SW	4	0	30.05	+1.20	46	44	-4	WSW	3	b	#	c.o.	50	45	0.16	
	Donaghadee ...	29.94	48	WSW	6	r	30.00	-0.09	45	44	+2	W	4	b	3	r	49	40	0.06	
	Liverpool (Bldston)	30.08	47	SE	4	0	30.06	-0.15	47	45	+7	WSW	3	b	3	0	51	39	0.11	
	Holyhead ...	30.04	47	S	4	ogm	30.07	-0.02	45	45	-2	WSW	4	b	4	ogm	49	43	0.19	
	Parsonstown ...	29.94	52	Z	0	0	30.12	+1.14	42	41	-8	Z	0	b	#	0	56	41	0.04	
	Valencia ...	29.99	52	SSW	3	ogm	30.23	+1.27	47	45	-5	W	3	b	4	og.mg	55	45	0.24	
	Roche's Point	30.02	49	SW	4	tm	30.18	+1.14	46	44	-3	WSW	3	b	4	tm.b	50	44	0.05	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.11	47	S	4	0	30.16	+0.03	45	45	-2	W	2	b	5	of	49	43	0.12	
	Scilly ...	30.13	51	SSW	5	0	30.19	+0.03	44	44	-1	WSW	4	c	5	0	52	48	0.07	
	Prawle Point ...	30.23	47	SSW	3	0	30.12	-0.12	48	48	0	WSW	2	c	1	ofr	50	46	0.03	
	Jersey (St. Aubin's)	30.28	49	SSE	3	omd	30.20	-0.08	50	48	+1	S	3	om	3	omd	58	48	0.01	
	Hurst Castle ...	30.27	46	S	2	f	30.18	-0.08	48	47	+3	SW	4	om	4	f.d	49	45	0.03	
	Dungeness ...	30.31	46	E	1	0	30.19	-0.09	46	45	+2	S	3	0	3	0	47	43	-	
	North Foreland	30.31	45	ESE	3	0	30.19	-0.13	45	42	+2	S	3	og	3	0	45	43	-	
	London ...	30.27	47	SSE	2	0	30.17	-0.12	49	48	+7	SSW	2	0	#	0	49	42	-	
	Oxford ...	30.23	45	SW	1	0	30.14	-0.13	48	47	+5	S	1	ogp	#	0	49	43	0.02	
	Cambridge ...	30.24	44	SE	2	0	30.13	-0.15	49	48	+8	SW	2	0	#	0	49	40	0.02	
PENINSULA.	Yarmouth ...	30.31	41	SSE	4	c	30.14	-0.15	44	43	+4	SSW	3	cm	4	bc.c	44	40	0.02	
	Cuxhaven ...	30.39	33	N	3	b	30.39	+0.35	32	30	-4	S	2	c	#	b	36	30	-	
	Berlin ...	30.27	35	N	5	0	30.52	+0.69	31	29	-6	ESE	1	b	#	0	45	28	0.04	
	Wiesbaden ...						30.44	+0.23	35	32	-6	N	2	b	#	#	48	32	-	
	Munich ...	30.28	37	SW	6	0	30.42	+0.30	31	30	-10	ENE	4	c	#	0	45	30	0.08	
	The Helder ...	30.45	39	ESE	1	b	30.29	-0.01	36	33	-3	S	5	c	3	b	43	34	-	
	Brussels (9 a.m.)						30.33	-0.01	37	33	-2	SSE	4	0	#	0	48	35	-	
	Cape Gris Nez	30.26	49	SE	1	0	30.16	-0.10	42	40	-2	S	4	0	3	0	50	39	-	
	Paris ...	30.36	51	NE	2	0	30.30	+0.04	36	33	-12	ESE	2	b	#	0	55	35	0.04	
	Brest ...		51	S	3	m			49	48	-1	SSW	1	c	4	m	54	45	-	
FRANCE AND BELGIUM.	Lorient ...	30.28	50	S	3	0	30.21	-0.07	48	48	-2	S	2	m	5	0	54	48	-	
	Rochefort ...	30.29	55	Z	0	bc	30.19	-0.10	43	43	-6	ENE	3	f	#	bc	61	41	-	
	Belfort ...		45	E	2	bc			38	34	-4	E	2	b	#	bc	52	?	-	
	Lyons ...	30.31	50	HW	2	0	30.29	-0.02	33	32	-1	WSW	1	b	#	0	55	31	-	
	Nice ...	29.99	58	HW	1	bc	30.10	+0.02	43	41	-2	ENE	2	bc	1	bc	66	?	-	
	Perpignan ...	30.22	61	SSW	3	bc	30.09	-0.16	57	48	-9	W	2	c	#	bc	68	50	-	
	Biarritz ...	30.27	60	NE	3	b	30.15	-0.17	48	46	-2	E	3	f	2	b	63	38	-	
	Corunna ...																			
	Lisbon ...	30.22	60	HW	4	bc	30.22	-0.04	55	52	+3	NE	4	bc	#	bc	68	53	-	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Saturday, 4th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

■ Rough. ■ High.

MEAN HEIGHT OF THE BAROMETER

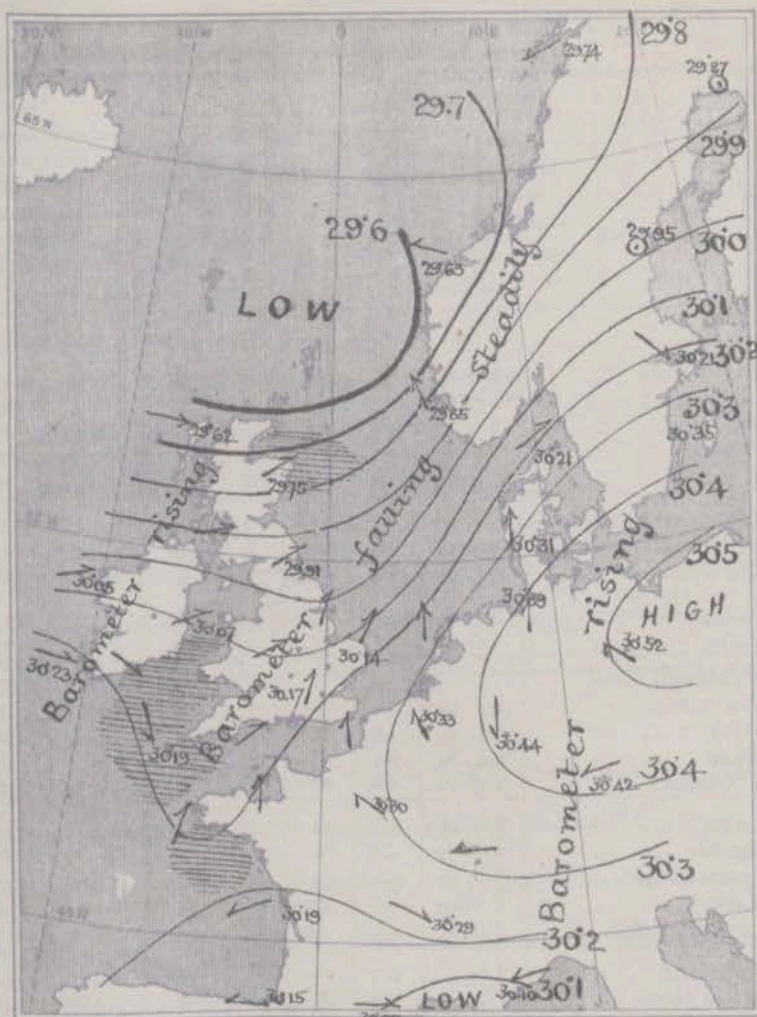
at 8.0 a.m. for the month of March.

During the 25 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

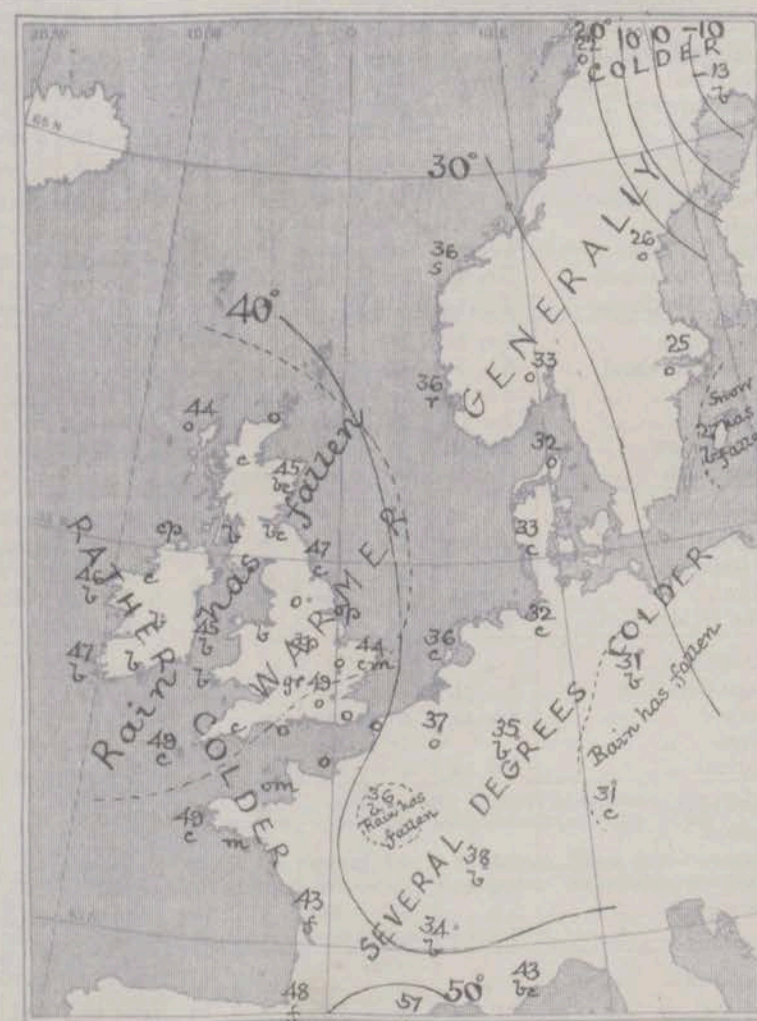
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	33.9	38.3	36.0	2.79
Stornoway	44.9	34.5	39.1	38.1	2.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.6	2.33
Leith	47.9	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.74
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.6	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.64
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.6	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.6	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	1.20
Roche's Point	49.7	39.6	43.3	41.5	1.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	49.5	42.5	45.0	41.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.88
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.4	1.59
Cambridge	50.2	37.0	38.0	37.5	1.46
Yarmouth	45.2	34.9	40.2	38.6	1.82

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in. and upwards, over the eastern parts of Germany.

Lowest, 29.6 in. and less, in a large depression lying to the northward of our Islands.

Gradients rather steep over Scandinavia and the North Sea, but moderate or slight elsewhere.

Barometer rising in all the more western and northern parts of our Islands and also in Germany, but falling elsewhere.

TEMPERATURE

Highest, 57° at Perpignan, 55° at Linton, 50° at Jersey, and 49° at Peilly, London, Cambridge, and Brest.

Lowest, -13° F. at Haparanda, +22° at Bodo, 25° at Stockholm, 26° at Helsingfors, 27° at Narvik, and 31° at Berlin and Munich.

The maximum registered yesterday were above 50° at several of our western and south-western stations, and also at Leith, but below 45° on some part of our east coast.

WIND

Light or moderate from the W^{ind} in the west and north of our Islands, but SW^{ind} or S^{ind} in the east and south.

Fresh or strong from the S^{ind} on the eastern shores of the North Sea, with a gale at Rudesnaes; E^{ind} in the west of Norway.

Light from the E^{ind} over the greater part of France.

WEATHER

Fine at most of our western and northern stations as well as in Germany, and the central and southern parts of France.

Cloudy and showery over the southeastern and central parts of England; foggy or misty in the west of France.

Dull at most of the Scandinavian stations, with rain and snow in the west of Norway.

Rain fell yesterday in nearly all parts of the United Kingdom, but the amounts were mostly small.

SEA

Rough at Skudenaaes, and rather rough at Aberdeen, Kinnaird, Lally, and Lorient, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression in the north seems likely to travel north-eastwards. A shallow secondary disturbance is apparently moving eastwards along the Channel, and will probably occasion changeable, showery weather over the southeast of England.

FORECASTS

For the 24 hours ending at NOON on 5th March, 1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

W^{ind} winds, fresh or strong; cloudy,
rain locally.

1 SCOTLAND
EAST

SW^{ind} and W^{ind} winds, moderate;
fair generally.

2 ENGLAND
N.E.

Same as No 5.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

S^{ind} winds, mild weather and some rain,
followed by W^{ind} breezes and fair cool weather.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as No 0.

7 ENGLAND
N.W.

W^{ind} to S^{ind} winds, moderate or fresh;
fine to showery.

8 ENGLAND
S.W.

NW^{ind} to SW^{ind} winds, moderate; fair to
showery.

9 IRELAND
NORTH

Same as No 7.

10 IRELAND
SOUTH

WARNINGS

At 10.20 am today to districts 9 and 10
"Lower Cone". The signals are still
flying in districts 0 and 6.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.		THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.30	41	33	ESE	2	bc	?		Valencia ...	29.98	54	53	S	5	og	5
Sumburgh Head ...									Scilly ...	30.17	52	51	S	4	o	4
Stornoway ...	29.79	45	45	S	6	r	6		Jersey ...	30.32	53	51	W	4	o	3
Aberdeen ...	30.09	40	38	SSE	6	og	5		Hurst Castle ...	30.27	47	47	NE	3	fa	4
Shields ...	30.19	41	38	SE	2	o	3		Dungeness ...	30.32	47	45	ESE	1	o	1
Ardrossan ...	30.08	42	42	ESE	1	o	1		North Foreland ...	30.34	46	42	ESE	2	o	4
Main Head ...	29.81	32	50	S	5	o	2		London (Wealtham) ...	30.32	48	44	ESE	2	o	3
Mullaghmore ...	29.84	53	53	S	6	op	5		Yarmouth ...	30.31	42	40	SSE	4	bc	3
Belmullet ...	29.83	50	49	S	4	c	2		Rochefort ...	30.32	58	56	rt	2	bc	2
Holyhead ...	30.08	48	48	SSW	4	og	4									

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Southwestern Europe and the northern and western parts of the Mediterranean, as well as on the eastern shore of the North Sea, cloudy or overcast elsewhere, and very unsettled. Rain falling over the Baltic Provinces and at several of our own western stations, snow at the Baltic stations, over North Germany and Central Russia. Rain falling later over all but the southeastern parts of our Islands, but amounts small; weather very fine over the southern half of France, in Denmark, and in Norway.

Temperature changing irregularly - rising decidedly in some regions, falling in others. Morning readings 61° at Algiers, and exceeding 50° at the Mediterranean and Spanish stations as a whole, as well as at Bristol, Scilly, and in some parts of Ireland. About 40° over Austria-Hungary, France and the greater part of England, lower elsewhere. Lowest -5° at Archangel, -1° at Krasnoyarsk, 0° at Helsingfors, 5° at Helsinki; 32° at Leningrad, 35° to 39° over the northern and northeastern parts of Great Britain. Rising later to 56° at Larnaca, and to between 63° and 68° in the south of France and at Lisbon. Not touching 50° in Germany.

Wind very variable - light and anticyclonic over southwestern Europe, light and S² over southern and central Russia. Cyclonic elsewhere - (1) Moderate to fresh from the S² at our western and northern stations, moderate SE² over England; (2) strong N² over the south of Scotland and on the eastern shore of the North Sea, moderate NW² to W² over North Germany, light S² over the Baltic Provinces, E² to NE² over the Gulf of Finland; (3) Mainly N² (NE to NW) over the Mediterranean, and blowing a moderate gale at Palermo. Freshening S² and SW² winds at our western and northern stations later, but N² breeze on eastern side of the North Sea dying down.

Barometer highest 30.3 in. and more over the Spanish Peninsula, and exceeding 30.2 in. in a long ridge extending thence in a northerly direction over France, England, and the North Sea to the Shetlands and west of Norway; 30.2 in. and more to 30.1 in. over southern Russia. Lowest 29.6 in. and less, in a depression over the Baltic, and below 29.3 in. off our extreme northwest coasts; below 29.8 in. in another depression having its centre near Malta. Falling decidedly in the northwest of our Islands later, rising fresh over Denmark.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 5th March,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Published by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.		Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirce.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirce.	Force (0 to 12).	Weather.	Max.	Min.						
SCANDINAVIA.																			
Haparanda ...	29.77	6	NW	2	0	29.72	-.15	5	5	+	15	NE	2	0	#	0	10	-17	—
Hernösand ...	29.65	26	L	0	0	29.60	-.35	21	20	—	5	N	2	f	#	0	36	9	—
Stockholm ...	29.85	35	SW	4	0	29.55	-.66	34	33	+	4	W	2	0	#	0	35	18	0.04
Wisby ...	29.95	33	SW	8	0	29.69	-.66	33	32	+	6	SW	6	0	#	0	36	23	0.04
Bodö ...	29.54	26	ENE	2	0	29.47	-.27	25	24	+	3	ENE	4	0	#	0	27	21	—
Christiansund...	29.38	39	ESE	1	0	29.37	-.26	40	39	+	4	L	0	#	4	0	43	36	0.24
Skudesnaes ...	29.70	40	SW	4	0	29.60	-.25	41	40	—	5	WNW	5	r	5	nfc	?	36	—
Christiania Fjord (Færder)	29.71	33	SSW	4	f	29.48	-.60	32	32	—	1	W	4	c	3	f	34	30	—
Skagen (The Scaw)	29.84	35	W	6	m	29.63	-.58	36	?	+	4	W	3	f	2	m	36	32	—
Fanö ...	29.92	36	WSW	4	0	29.50	-.51	37	36	+	4	WSW	4	0	#	0	37	32	0.04
Sumburgh Head	29.42	45	WSW	5	r	29.68	+	44	43	+		NW	3	c	4	a,r	47	35	0.03
Stornoway ...	29.72	46	W	6	r	29.96	+.34	45	44	+	1	L	0	0	3	a,r	49	42	0.08
Wick ...	29.65	46	NW	3	bc	29.84	+.23	45	44	+	1	NW	5	0	3	bc	49	43	0.03
Nairn ...	29.73	47	W	3	c	29.93	+.26	45	43	0	SW	3	c	1	c	c	50	42	0.03
Aberdeen ...	29.71	47	SSW	2	bc	29.94	+.19	46	42	+	1	W	3	c	3	q, bc	52	44	—
Leith ...	29.92	45	W	3	r	30.00	+.16	47	45	0	W	3	f	#	r	50	44	0.01	
Shields ...	29.96	47	WSW	4	c	30.00	+.09	47	45	+	2	WSW	3	#	2	c	51	45	—
Spurn Head ...	30.06	45	WSW	3	bc	30.04	+.04	45	44	0	W	3	0	2	p, bc	49	42	0.01	
York ...	30.07	48	W	3	bc	30.06	+.05	50	49	+	3	W	3	bc	#	54	44	—	
Loughborough	30.14	48	W	2	c	30.14	+.05	46	45	—	2	W	4	0	#	c	55	44	—
Ardrossan ...	29.97	47	WSW	5	c	30.04	+.16	47	47	+	2	W	3	dm	2	p, c	48	43	0.02
Malin Head ...	30.00	46	WSW	4	opm	30.11	+.22	47	47	+	3	WSW	5	odm	3	opm	48	44	0.13
Mullaghmore ...	30.13	48	W	5	orm	30.23	+.22	48	47	+	2	WSW	5	ogm	4	op, or	49	45	—
Belmullet ...	30.17	50	SW	4	0	30.28	+.23	49	48	+	3	WSW	3	0	#	c, o	51	44	0.01
Donaghadee ...	30.08	49	W	5	bc	30.14	+.14	50	50	+	5	WNW	5	0	3	bc	52	43	0.01
Liverpool (Bldston)	30.13	47	W	4	0	30.16	+.10	47	47	0	W	7	0	4	0	50	45	0.01	
Holyhead ...	30.16	47	W	3	bc	30.21	+.14	49	48	+	4	W	4	og	4	bc	51	45	—
Parsonstown ...	30.22	49	W	1	0	30.29	+.17	49	48	+	7	W	1	0	0	52	41	—	
Valencia ...	30.33	49	WSW	3	0	30.40	+.17	49	49	+	2	W	1	cm	2	om	52	46	—
Roche's Point	30.29	51	WNW	4	bc	30.34	+.16	48	46	+	2	NW	3	bc	3	b	52	45	—
Pembroke (St. Ann's Hd.)	30.24	46	W	4	c	30.30	+.14	47	46	+	2	WNW	4	cq	4	c	48	44	—
Scilly ...	30.21	49	NNW	4	bc	30.35	+.16	49	48	0	NNW	4	bcw	4	bc	51	46	—	
Prawle Point ...	30.27	45	NW	1	bc	30.32	+.20	45	44	—	3	NW	3	bc	2	f, b	50	41	—
Jersey (St. Aubin's)	30.25	52	NW	3	c	30.32	+.12	46	45	—	4	NW	3	bemw	3	c, gmc	54	42	—
Hurst Castle ...	30.22	46	WNW	2	bcw	30.26	+.08	46	43	—	4	WNW	4	c	3	bcw	49	42	—
Dungeness ...	30.16	46	W	3	f	30.18	-.01	43	42	—	3	WNW	3	c	2	f	49	36	—
North Foreland	30.17	51	SW	1	0	30.18	-.01	45	42	0	W	3	og	3	0	52	41	—	
London ...	30.15	51	SSW	1	bc	30.19	+.02	45	43	—	4	SW	2	r	#	a, b	55	38	0.01
Oxford ...	30.21	46	WNW	1	bc	30.22	+.08	44	42	—	4	W	2	og	#	bc	57	41	—
Cambridge ...	30.16	49	WSW	1	bc	30.15	+.02	47	45	—	2	SW	2	c	#	bc	59	41	—
Yarmouth ...	30.08	50	WNW	3	c	30.07	-.07	45	44	+	1	W	3	c	3	c	52	40	0.02
Cuxhaven ...	30.14	39	SSW	4	bc	29.94	-.45	41	40	+	9	W	4	0	#	bc	43	32	0.06
Berlin ...	30.25	34	SE	3	bc	30.00	-.52	37	35	+	6	WSW	2	0	#	bc	31	—	—
Wiesbaden ...	30.17	36	SE	3	bc	30.17	-.27	36	34	+	1	E	2	0	#	bc	43	32	—
Munich ...	30.25	30	NE	4	bc	30.17	-.25	29	28	—	2	SW	4	bc	#	bc	39	25	—
The Helder ...	30.14	41	SW	4	c	30.06	-.23	41	40	+	5	W	4	c	3	c	41	36	0.04
Brussels (8 a.m.)	30.12	45	SW	1	m	30.19	-.14	41	41	+	4	WSW	2	0	#	0	51	37	—
Cape Gris Nez	30.12	45	SW	1	m	30.13	-.03	43	42	+	1	W	3	bc	3	m	50	37	—
Paris ...	30.23	47	NE	2	bc	30.26	-.04	45	44	+	9	NW	2	0	#	bc	55	36	—
Brest ...	30.23	50	N	3	bc	30.26	-.04	45	44	+	9	NW	2	0	#	bc	55	36	—
Lorient ...	30.23	51	NNE	3	0	30.28	-.07	43	41	—	5	NNE	4	bc	4	0	55	39	—
Rochefort ...	30.12	53	NNW	4	0	30.20	+.01	44	41	+	1	NE	4	bc	#	0	55	41	—
Belfort ...	30.12	41	ENE	3	bc	30.20	+.01	36	35	—	2	ENE	2	bc	#	0	46	28	—
Lyons ...	30.20	44	E	1	bc	30.26	-.03	35	33	+	2	S	1	bc	#	bc	52	38	—
Nice ...	30.14	45	ESE	4	0	30.15	+.05	43	40	0	W	2	bc	2	0	57	39	—	
Perpignan ...	30.10	54	L	0	bc	30.21	+.12	41	41	—	16	SW	2	bc	#	bc	69	39	—
Biarritz ...	30.17	51	L	0	0	30.16	+.01	50	49	+	2	ESE	3	c	3	0	54	45	0.04
Corunna ...	30.20	52	NW	4	bc	30.13	-.09	53	51	—	2	N	3	c	#	bc	61	50	—
Lisbon ...	30.20	52	NW	4	bc	30.13	-.09	53	51	—	2	N	3	c	#	bc	61	50	—

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Sunday, 5th March 1893

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

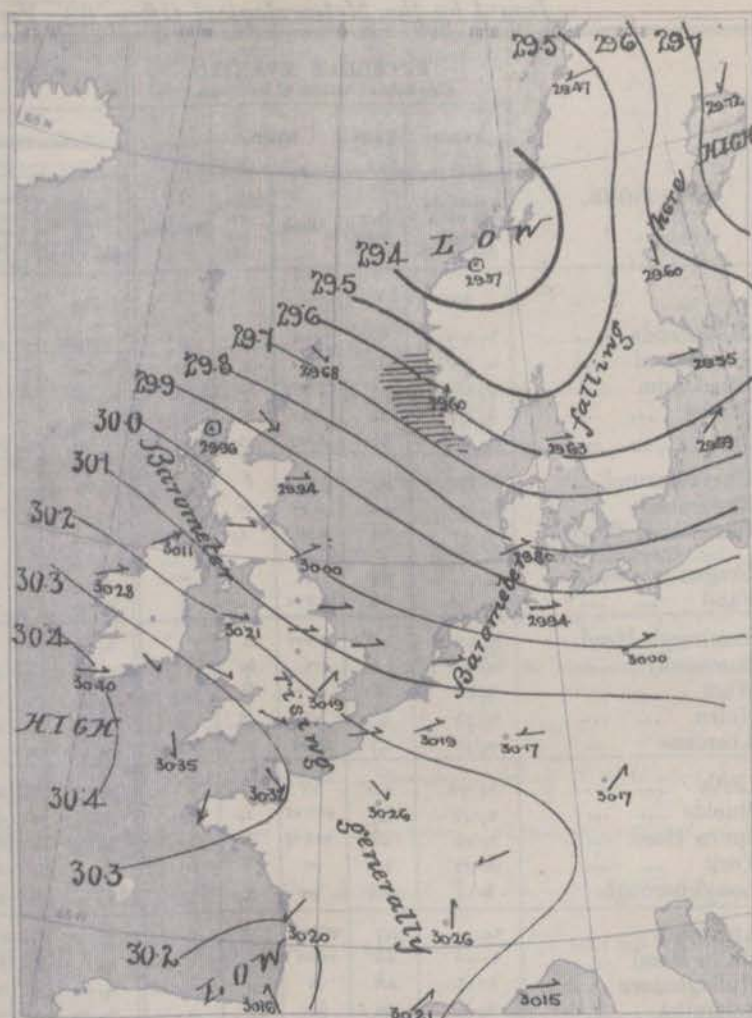
WIND—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—
 — forces above 10 — forces 8 to 10;
 — forces 5 to 7 — forces 1 to 4.
 — dead calm

SEA DISTURBANCE—Where considerable, is shown thus
 — Rough — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.
 During the 20 Years: 1871-1890.

STATIONS.	MEAN READINGS
Sumburgh Head	29.751
Stormway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Androsan	29.895
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Selly	29.947
Prawle Point	29.905
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

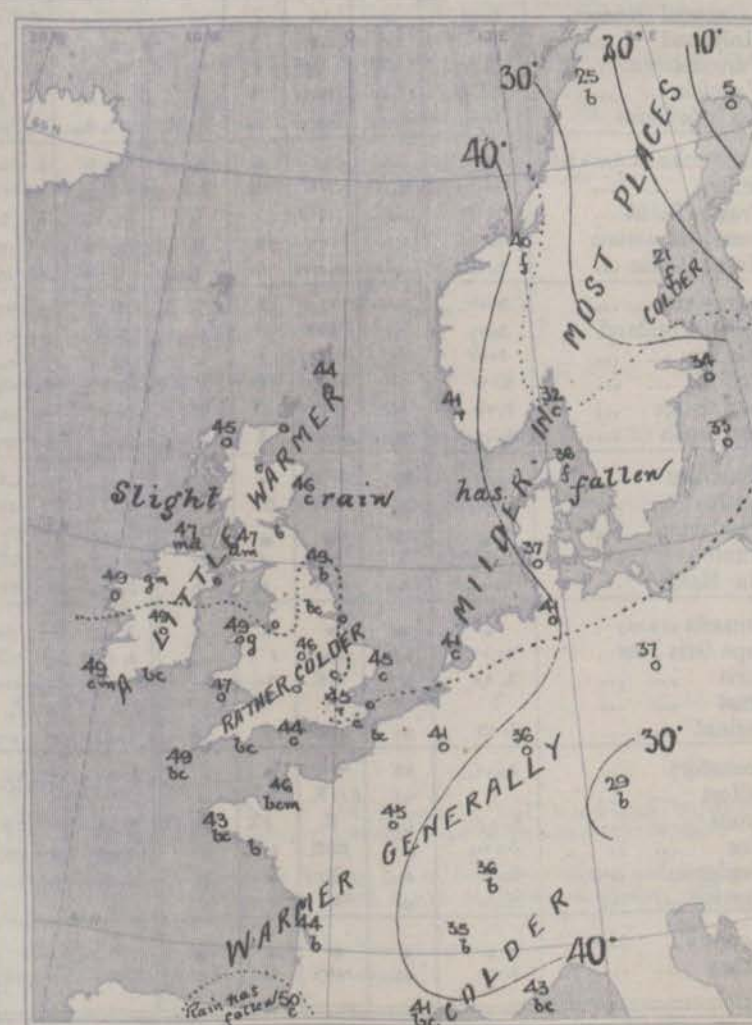
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of March.)

STATIONS	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	Wind.	
Sumburgh Head	42.6	33.0	38.3	36.9	2.79
Stormway	44.2	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.0	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	44.7	30.6	39.7	38.4	1.22
York	43.1	31.0	38.5	37.0	1.73
Loughborough	49.0	31.2	39.0	37.5	1.64
Androsan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.0	38.4	41.0	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.06
Holyhead	47.2	38.0	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	39.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.2	42.8	4.20
Roche's Point	49.7	39.8	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Selly	49.6	42.5	45.0	44.2	2.40
Prawle Point	48.1	37.7	42.0	41.2	1.95
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.6	37.2	41.0	40.1	1.81
Dover	46.4	36.0	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.4	1.59
Cambridge	50.2	33.0	38.0	37.5	1.10
Yarmouth	45.3	34.0	40.2	38.5	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in an anticyclone lying off the southwest of Ireland.
Lowest, 29.4 in. and less, in a depression lying over the west of Ireland.
Gradients slight. Barometers rising in our islands and France, but falling in Scandinavia, Denmark, and Germany.

TEMPERATURE

Highest, 53° at Dublin, 50° at York, Danzig and Biarritz, and 49° at several of the English and Irish stations.
Lowest, 5° at Haparanda, 21° at Helsingfors, 25° at Åbo, 32° at Riga, 33° at Vitebsk, and 34° at Stockholm.
 During yesterday the thermometer rose to 55° or more at several of our central and southern stations, the highest reading of all being 59° at Hambury.

WIND

W over our islands and the eastern shores of the North Sea, light or moderate in force generally, but strong to a gale at Liverpool.
 Moderate to strong from the Nnd or NEnd in the west of France; variable in the south of that country.
 Light from the Nnd or NEnd over the northern parts of Scandinavia.

WEATHER

Fine in the northeast of our islands and also on some parts of our south and southwest coasts, but dull in other parts of the kingdom with slight rain in London.
 Fine in France; dull in Scandinavia, Denmark and Germany, with fog at Helsingfors, Christiansund and Skagen, and rain at Skudsmo.
 A little rain fell yesterday at several of our northern stations.

SEA

Moderate to smooth generally, but rather rough at Skudsmo.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 6th March 1893.

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

None issued

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

WARNINGS

FORECASTS.

None issued

None issued

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.71	29	29	S	6	rf	6	Valencia ...	30.30	51	49	W	3	om	4
Sumburgh Head ...	29.43	45	44	WSW	6	o	6	Scilly ...	30.26	50	48	NNW	4	bc	4
Stornoway ...	29.68	49	47	WN	4	c	4	Jersey ...	30.22	53	51	W	3	o	3
Aberdeen ...	29.75	50	44	WSW	4	bcg	4	Hurst Castle ...	30.19	48	45	SW	2	cf	4
Shields ...	29.95	50	46	SW	4	c	2	Dungeness ...	30.16	48	47	SW	3	c	3
Ardrossan ...	29.94	48	46	WSW	5	o	4	North Foreland ...	30.17	51	49	S	2	o	3
Malin Head ...	29.96	45	46	WSW	5	o	4	London ...	30.16	55	52	SW	2	c	*
Mullaghmore ...	30.00	49	46	W	5	c	5	Yarmouth ...	30.08	52	51	WSW	3	c	3
Belmullet ...	30.13	51	49	WSW	4	c	4	Rochefort ...	30.15	55	53	NNW	3	o	*
Holyhead ...	30.14	50	48	WSW	4	b	4								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Italy, and at most of the Mediterranean, Spanish, and Portuguese stations, also over the western parts of the United Kingdom, as well as over the Baltic, the Baltic Provinces, and Prussia. Very changeable elsewhere, with rain in several parts both of southeastern and northwestern Europe, snow at Christiansund. Some rain later over the northwestern and northern parts of our Islands and on the eastern side of the North Sea, snow over portions of the Baltic and northern Prussia; a very slight shower or two in the southeast of England.

Temperature fallen decidedly over Central Algeria, changed fitfully elsewhere. Morning readings 64° at Algiers, and exceeding 50° over Algeria, 5° and 5° Europe generally, exceeding 40° over the United Kingdom and western half of France. Lowest -13° F. at Haparanda, -1° at Kuopio, 5° at Stockholm, 9° at Hango, 22° at Warsaw, 27° on the north coast of Germany. Exceeding 50° over the greater part of our Islands and France later, and touching 60° to 65° over Italy, 68° on the eastern Spanish coasts, and 70° to 74° at some Algerian stations.

Wind light and anticyclonic over Central Europe; mainly moderate W^h to S^h (cyclonic) over the British Islands and North Sea NW^h over the Baltic; E^h to N^h and strong over the northern parts of the Adriatic and Italy; NW^h over Tunis, Sicily, and Malta. Blowing very strongly from SW. over the Gulf of Finland later, but no important change elsewhere.

Barometer highest 30.5 ins. and more to 30.2 ins. in an anticyclone covering central Europe, and having its centre near Berlin. Lowest 29.6 ins. and less, over the Shetlands and their neighbourhood, 29.8 ins. and less, over Greece, the extreme south of Italy and the regions lying to the eastward of Malta. Raining in our Islands later, falling over Scandinavia, as a depression approached that region from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on

Monday, 6th March,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.																		
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.																	
	Reading at 32° F. and Sea Level.		Dry Bulb.		Direc.		Force (0 to 12).		Weather.		Reading at 32° F. and Sea Level.		Change since Yesterday Morn.		Dry Bulb.		Wet Bulb.		Change in dry since Yesterday.		Direc.		Force (0 to 12).		Weather.		Sea (0 to 9).		Weather.		Max.		Min.		
	Inch.	°	°	°	°	°	Inch.	°	°	°	°	°	°	°	°	°	°		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
SCANDINAVIA.	Haparanda ...	29.54	12	NE	2	S	29.34	- .38	3	3	- 2	NW	2	b	#	S	18	0	0.08																
	Hernösand ...	29.53	22	Z	0	O	29.73	+ .13	23	22	+ 2	W	2	b	#	O	28	18	0.04																
	Stockholm ...	29.44	35	Z	0	T	29.71	+ .16	27	25	- 7	N	6	o	#	T	41	27	-																
	Wisby ...	29.47	35	SW	4	F	29.60	- .09	33	32	- 1	N	6	r	#	T	37	28	0.08																
	Bodö ...	29.62	24	Z	0	C	29.63	+ .16	22	21	- 3	NW	8	m	#	C	27	19	0.35																
SCANDINAVIA.	Christiansund...	29.78	36	NNE	4	S	29.99	+ .62	34	33	- 6	WSW	2	c	4	S	41	34	0.28																
	Skudesnaes ...	29.68	39	NW	8	T	30.00	+ .40	36	35	- 5	NW	6	bc	3	T	42	32	-																
	Christiania Fjord (Færder)	29.47	29	N	2	F	29.95	+ .47	31	28	- 1	NNE	4	b	1	F	36	28	-																
	Skagen (The Scaw)	29.56	36	NW	4	C	29.91	+ .28	34	30	- 2	NE	5	b	4	C	37	34	-																
	Fanö ...	29.75	38	NW	6	B	29.87	+ .07	35	32	- 2	NW	4	b	#	B	41	?	-																
SCANDINAVIA.	Sumburgh Head	29.89	41	NW	4	C	30.00	+ .32	37	37	- 7	S	1	o	3	C	45	33	0.02																
	Stornoway ...	30.07	47	W	3	T	29.96	- .00	37	37	- 8	SW	4	r	4	O.T	31	42	0.04																
	Wick ...	30.03	43	NW	3	O	30.00	+ .16	45	44	- 0	NW	2	o	2	O.P	47	40	0.10																
	Nairn ...	30.08	49	NW	1	C	30.03	+ .10	47	45	+ 2	Z	0	o	1	C	58	44	-																
	Aberdeen ...	30.06	47	NW	3	C	30.08	+ .14	43	42	- 3	NSW	1	om	2	C	53	41	-																
SCANDINAVIA.	Leith ...	30.09	52	W	3	C	30.14	+ .14	46	45	- 1	NSW	3	om	#	C	58	45	-																
	Shields ...	30.08	52	NW	4	C	30.18	+ .18	46	45	- 3	NSW	1	o	2	C	56	45	-																
	Spurn Head ...	30.11	47	NW	4	O	30.21	+ .17	43	42	- 2	NW	2	o	2	O.P	49	42	-																
	York ...	30.16	52	W	3	C	30.24	+ .18	45	43	- 5	W	1	o	#	C	56	44	-																
	Loughborough	30.24	51	NW	3	O	30.30	+ .16	44	43	- 2	NW	2	omw	#	O	55	43	-																
BRITISH ISLANDS.	Ardrossan ...	30.19	48	W	3	O	30.16	+ .12	44	44	- 3	SSW	3	om	3	O	50	42	0.02																
	Malin Head ...	30.23	46	W	4	O	30.15	+ .04	46	46	- 1	NSW	5	om	3	O	48	45	0.02																
	Mullaghmore ...	30.32	48	W	4	O	30.22	- .01	48	48	- 0	NSW	4	om	3	O	49	46	0.11																
	Belmullet ...	30.33	50	SW	2	O	30.27	- .01	50	49	+ 1	NW	3	bc	#	O	52	47	0.14																
	Donaghadee ...	30.26	51	NW	4	O	30.24	+ .10	46	46	- 4	W	4	o	2	O	53	44	-																
BRITISH ISLANDS.	Liverpool (Bidston)	30.28	48	W	4	O	30.28	+ .12	45	44	- 2	W	4	o	3	O	49	43	-																
	Holyhead ...	30.31	51	W	3	C	30.30	+ .09	46	45	- 3	W	2	og	2	C	51	45	-																
	Parsonstown ...	30.36	50	SW	1	C	30.31	+ .02	47	46	- 2	SW	1	d	#	O.C	52	45	-																
	Valencia ...	30.46	51	NSW	3	O.M	30.39	- .01	50	50	+ 1	SW	5	ogm	5	O.M	53	46	0.03																
	Roche's Point	30.40	51	NW	2	C	30.40	+ .06	47	45	- 1	NW	3	c	3	C	53	44	-																
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.37	47	NW	3	C	30.37	+ .07	46	45	- 1	W	3	bc	3	C	49	45	0.02																
	Scilly ...	30.40	49	NW	4	bc	30.43	+ .08	49	47	- 0	NW	4	c	4	bc	52	46	-																
	Prawle Point ...	30.36	49	N	1	bc	30.40	+ .08	44	43	- 1	NW	2	og	1	bc	58	40	-																
	Jersey (St. Aubin's)	30.35	52	NW	3	bc	30.42	+ .10	47	46	+ 1	NW	3	bcnw	3	bc	56	44	-																
	Hurst Castle ...	30.30	51	NW	3	C	30.37	+ .11	43	42	- 1	NW	2	m	2	C	57	40	-																
BRITISH ISLANDS.	Dungeness ...	30.20	54	NW	3	O	30.29	+ .11	47	46	+ 4	W	3	cq	2	O	56	42	-																
	North Foreland	30.19	52	NW	3	O	30.26	+ .08	45	43	- 0	NW	4	ogm	2	O	52	44	-																
	London ...	30.25	54	NW	1	O	30.32	+ .13	42	42	- 3	NSW	2	o	#	C.O.B	55	40	0.01																
	Oxford ...	30.30	50	W	1	O	30.35	+ .13	44	43	- 0	W	1	og	#	C.O	55	41	-																
	Cambridge ...	30.22	52	NW	2	O	30.29	+ .14	44	43	- 3	NSW	1	o	#	O	59	41	-																
BRITISH ISLANDS.	Yarmouth ...	30.09	51	NW	4	C	30.22	+ .13	47	45	+ 2	NW	3	cm	3	cm	54	44	-																
	Cuxhaven ...	29.92	41	NW	5	bc	29.90	- .04	40	39	- 1	NW	6	m	#	bc	43	39	-																
	Berlin ...	29.89	44	NW	3	O	29.73	- .27	39	37	+ 2	NW	5	r	#	O	46	37	0.12																
	Wiesbaden ...	30.08	48	W	4	#	30.08	- .09	48	43	+ 12	NW	4	c	#	#	48	34	0.04																
	Munich ...	30.06	40	SW	5	O	30.06	- .11	40	38	+ 11	SW	6	o	#	O	45	28	0.04																
GERMANY & HOLLAND.	The Helder ...	30.13	41	W	2	B	30.21	+ .13	40	38	- 1	NW	5	c	3	B	43	39	-																
	Brussels (a.m.)	30.25	44	NW	3	#	30.25	+ .06	44	44	+ 3	NW	3	o	#	O	52	41	0.08																
	Cape Gris Nez	30.15	49	NW	3	m	30.21	+ .08	46	45	+ 3	NW	2	o	2	m	50	41	-																
	Paris ...	30.28	52	NW	2	C	30.31	+ .03	48	47	+ 3	NW	2	b	#	C	56	45	-																
	Brest ...	30.35	51	NE	3	B	30.42	+ .07	49	47	+ 6	N	2	o	2	B	54	39	-																
FRANCE AND BELGIUM.	Lorient ...	30.35	52	NNE	4	C	30.42	+ .14	46	45	+ 3	NW	2	o	3	C	55	43	-																
	Rochefort ...	30.26	54	ENE	3	B	30.32	+ .12	44	44	- 0	ENE	3	b	#	B	63	41	-																
	Belfort ...	30.26	46	W	3	C	30.29	+ .03	44	41	+ 8	W	3	r	#	C	53	33	-																
	Lyons ...	30.26	48	N	1	B	30.29	+ .03	44	41	+ 9	NW	1	o	#	B	54	35	-																
	Nice ...	30.05	50	SW	1	B	30.02	- .13	42	41	- 1	E	1	bc	2	B	57	32	-																
PENIN- SULA.	Perpignan ...	30.16	60	NW	3	B	30.19	- .02	53	47	+ 12	W	1	b	#	B	67	41	-																
	Biarritz ...	30.24	54	NNE	3	bc	30.32	+ .16	50	49	- 0	N	2	o	1	bc	57	46	-																
	Corunna ...	30.07	53	NW	4	#	30.16	+ .03	50	48	- 3	NE	4	o	#	B	61	48	-																
	Lisbon ...	30.07	53	NW	4	#	30.16	+ .03	50	48	- 3	NE	4	o	#	B	61	48	-																
	Lisbon ...	30.07	53	NW	4	#	30.16	+ .03	50	48	- 3	NE	4	o	#	B	61	48	-																

For Explanation of Columns, see bottom of last page. Erratum: The amount of Rainfall for London in the Report for March 4th should be "0.05". † Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Monday, 6th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their heads and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4
→ dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

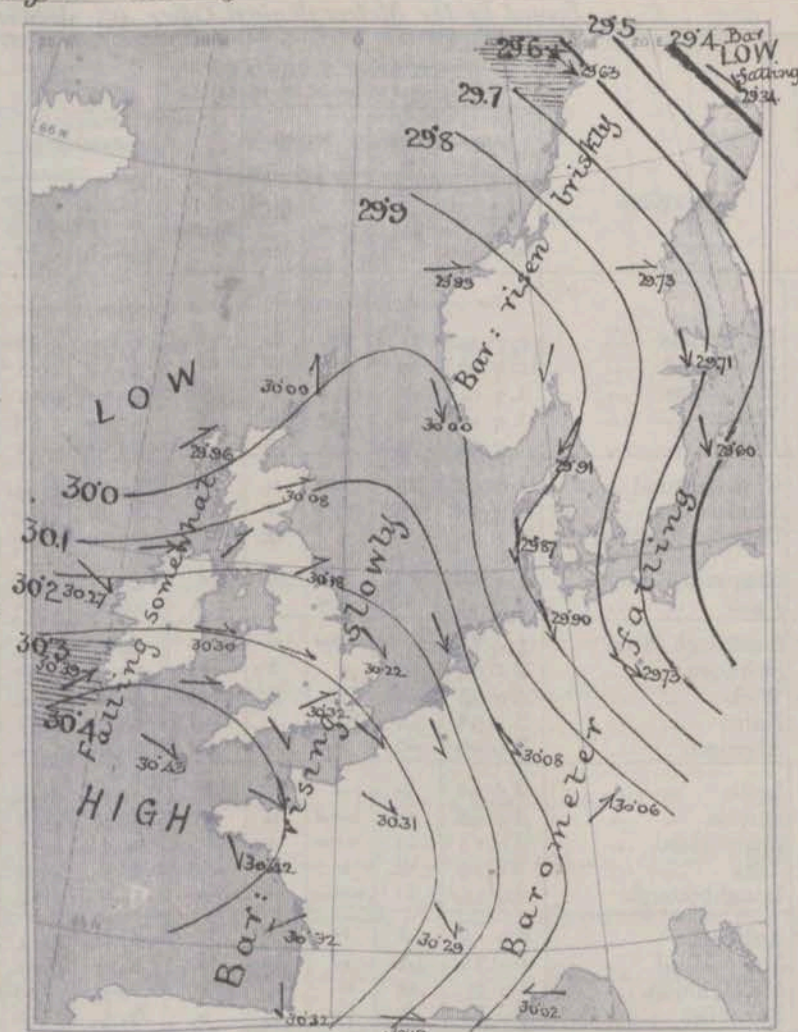
— Rough — High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of March.

During the 20 Years, 1871—1890.

STATIONS.	MEAN READINGS
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.798
Nairn	29.810
Aberdeen	29.825
Leith	29.833
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.885
Mallaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.911
Yarmouth	29.920



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in: and upwards, in an anticyclone lying over our extreme southwest coasts and the northwest of France.
Lowest, 29.4 in: and less, in the north of Sweden; 29.6 in: and less over the Baltic.

Gradients moderate over Germany, the Baltic, and the south of Sweden, but slight elsewhere.

Barometer falling a little in the west and north of our Islands and also in Germany, rising in most other localities, but falling decidedly in the north of Sweden.

TEMPERATURE

Highest, 53° at Perpignan, 50° at Bismarck and Valencia (Ireland), 49° at Leeds and West, and 48° at Mullaghmore and Paris.

Lowest, 3° at Haparanda, 22° at Bodö, 23° at Himmösa, 27° at Stockholm, 31° at Renss, and 33° at Wick.

During yesterday the thermometer rose above 55° in many parts of Britain, the highest reading of all being 69° at Cambridge, and 58° at Nain, Leth, and Haulbut.

WIND

Moderate or fresh from the SWnd on our extreme western coasts, light from the Wnd or NWnd in all other parts of the United Kingdom; Nth or NEth in France.

Strong from the Nnd or NWnd over the greater part of Scandinavia, Denmark, and North Germany, with a gale at Bodö.

WEATHER

Dull over the United Kingdom, with rain on some parts of our extreme northwest coasts.

Fine at most of the Continental stations, but dull in Germany, the south of Sweden and the east of France, with rain at Berlin, Metz, and Reims.

Snow fell yesterday in some parts of Scandinavia. A lunar halo was seen at Hurst-Castle at night.

SEA

Light or smooth generally, but rather rough at Valencia (Ireland), and also at Bodö.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression is apparently advancing towards our extreme northwest coasts, where the wind is likely to freshen considerably from the SWnd. Over England the weather will probably remain for a time under the influence of the anticyclone in the southwest.

FORECASTS

For the 24 hours ending at NOON on 7th March, 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW th winds, freshening, with some rain.
1	SCOTLAND EAST	W th and SW th winds, moderate, with slight rain locally.
2	ENGLAND N.E.	
3	ENGLAND EAST	W th winds, light, fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	Same as No 1 and 2.
8	ENGLAND S.W.	NW th to W th winds, moderate, fair generally.
9	IRELAND NORTH	SW th and W th winds, freshening, with some rain.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

Note. The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.69	42	40	W. W. W.	4	0	5	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.01	51	30	N. W.	4	0	4	Jersey ...	30.34	55	49	W. W.	3	6c	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.18	49	47	W	3	c	2
Ardrossan ...								North Foreland ...	30.16	52	49	W. W. W.	3	0	2
Malin Head ...	30.20	48	47	W	5	0	3	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.32	52	49	W. W.	3	0	*	Rocheport ...	30.25	59	53	E	3	6	*
Holyhead ...	30.28	51	49	W	4	cq	4								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the Mediterranean and many parts of France and S.E. Europe, temporarily clear in several parts of the British Islands, cloudy or overcast elsewhere, and somewhat changeable over the N.W. and N. countries generally. Rain falling later in small quantities over the west and north of the United Kingdom, and in Sweden, but in larger amounts over Norway - with snow at Christiansund.

Temperature risen over Finland, Lapland, Ireland and the N.E. of France, fallen in most other places. Morning readings 50° and more at many of the Mediterranean stations and on the coast of the Peninsula, below that value over the British Islands and E. of France, and lowest of all (1) -11° at Archangel, +5° at Haparanda, 44° at Moscow, 17° at Krasnoe and Khar'kov, and considerably below the freezing point both over Austria-Hungary and the north of Scandinavia. Rising later to between 50° and 59° over all but the extreme N.W. and N. parts of the British Islands, as well as over France, and to 65° at Rocheport.

Winds moderate to strong from the W. over the United Kingdom, and from the N. over the Bay of Biscay; moderate W. on the eastern shores of the North Sea, SW. over the Baltic and south of Finland, very variable over northern and southwestern Europe. Moderate from the N. over Italy (strong at Brindisi) and moderate from the NW. at Malta. Veering to NW. over the south of England later, but backing to SW. in the west of Ireland.

Barometer Highest (1) 30.4 ins. and more to 30.2 ins. over Ireland, the Bay of Biscay, France and the greater part of England; (2) 30.1 ins. and more to 30.2 ins. over the S. parts of Russia; and exceeding 30.1 ins. in a belt uniting these two high pressure areas. Lowest 29.4 ins. and less to 29.5 ins. over Norway, and rather below 29.7 ins. over Finland; 29.9 ins. and less over the S.E. parts of the Mediterranean. Rising in our Islands all day, falling over the Baltic and eastern shores of the North Sea.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 26TH FEB. 2ND 4TH MAR. 1893.

The weather of last week was again mild and unsettled, with frequent rain in all parts of the Kingdom.

At the commencement of the time a depression of increasing intensity advanced over our Islands from the S.W., its centre travelling in a N.N.E. direction across Wales and the north of England to the east coast of Scotland, and finally away to the north of our Islands. At Aberdeen and Shields the barometer fell to a minimum of 28.6 ins. The passage of the depression was attended by heavy rain in all the more S. districts, and snow in the N. with gales on many parts of our coasts, the direction of the wind being S. to W. in the south, but E. to N. in the north. On the 27th a new depression advanced to our southwest coasts, but this proved to be shallow, and after moving eastwards along the Channel and the south of England it finally dispersed over the N.E. of France.

On the night of the 28th, however, a disturbance of greater depth appeared off the northwest of Ireland, its centre afterwards passing eastwards across Scotland and the North Sea to the Baltic. Further falls of rain were reported generally, with snow in Scotland, gales from the S. to W. being experienced on nearly all parts of our coasts. On the 3rd another depression appeared in the NW. but this soon travelled away to the northward without causing anything more than a moderate gale over the northern parts of Scotland. At the close of the week an anticyclone was advancing over our southwest coasts, and the general appearance showed signs of improvement.

Temperature was rather low in the north, especially during the early part of the time when severe frost occurred in the north of Scotland. Over England, however, the thermometer has been high for the time of year, the daily maximum being above 55° on the 1st and 2nd, and also on the 4th.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

Terms: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 7TH MARCH.

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Force (0 to 12).	Weather.	Barometer.		SHADE TEMP.			Wind.		Force (0 to 12).	Weather.	Sea (0 to 3).	SHADE TEMP.		Amount of Rainfall.
Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Weather.	Max.	Min.						
Ina.	°			Ina.	°	°	°	°					°	°	Ina.					
SCANDINAVIA.	Haparanda ...	25.55	10	W	4	b	25.55	+16	6	+3	NW	4	C	4	b	2	0	—		
	Hernösand ...	25.54	23	2	0	0	25.60	-13	21	20	S	2	S	4	0	3	18	0.04		
	Stockholm ...	25.50	28	W	4	b	25.56	-15	27	26	SW	2	S	4	0	3	24	25	0.08	
	Visby ...	25.50	28	WNW	4	b	25.59	+07	31	30	WNW	4	0	4	0	3	24	25	—	
	Bodö ...	25.54	23	WNW	6	b	25.51	-12	12	9	NE	4	0	2	0	3	25	10	—	
	Christiansund...	25.79	35	WNW	5	S	25.23	-76	25	23	SW	5	T	5	0	3	25	24	0.47	
	Skudesnaes ...	25.03	36	WNW	4	T	25.70	-30	40	40	WNW	6	T	3	0	3	21	24	—	
	Christiania Fjord (Færd)	25.51	33	WNW	5	b	25.53	-36	26	25	WNW	6	0	3	0	3	2	20	—	
	Skagen (The Scaw)	25.06	31	WNW	4	C	25.20	-20	23	26	W	4	T	2	0	3	2	20	—	
	Fanø ...	25.15	34	W	2	b	25.01	+14	38	37	WNW	4	0	4	0	3	46	24	—	
ISLANDS	Sumburgh Head	25.88	44	W	2	0	25.65	-25	47	47	WNW	4	0	5	0	3	48	47	0.62	
	Stornoway ...	25.08	48	WNW	4	0	25.94	-22	53	50	W	6	0	5	0	3	50	45	0.06	
	Wick ...	25.06	44	W	1	0	25.84	-16	57	48	WNW	7	0	4	0	3	51	42	0.02	
	Nairn ...	25.10	46	W	1	b	25.55	-08	53	50	SW	4	0	2	0	3	56	48	—	
	Aberdeen ...	25.11	45	W	3	C	25.55	-13	54	45	WNW	2	0	1	0	3	53	43	0.07	
	Leith ...	25.15	47	WNW	2	b	25.07	-04	50	48	W	4	0	2	0	3	54	43	0.06	
	Shields ...	25.17	43	WNW	3	b	25.10	-08	45	44	SW	5	0	2	0	3	52	40	0.01	
	Spurn Head ...	25.20	43	W	2	cm	25.19	-02	43	42	WNW	2	0	2	0	3	45	39	0.03	
	York ...	25.20	45	W	1	b	25.22	-02	47	46	W	1	0	0	0	3	51	30	0.03	
	Loughborough	25.25	47	W	2	0	25.31	+01	43	41	W	2	0	0	0	3	50	37	—	
BRITISH	Ardrossan ...	25.21	46	W	2	C	25.16	00	47	47	SW	4	0	3	0	3	50	42	0.04	
	Malin Head ...	25.27	46	WNW	2	0	25.20	+05	47	47	W	5	0	3	0	3	49	45	0.04	
	Mullaghmore ...	25.35	48	SW	3	cm	25.32	+10	48	48	WNW	5	0	3	0	3	51	46	0.02	
	Belmullet ...	25.36	50	SW	3	T	25.36	+05	50	49	WNW	3	0	2	0	3	51	48	—	
	Donaghadee ...	25.30	50	W	4	C	25.37	+03	48	48	W	4	0	2	0	3	52	45	0.06	
	Liverpool (Bldston)	25.27	44	WNW	2	C	25.31	+03	46	44	W	3	0	3	0	3	48	41	0.09	
	Holyhead ...	25.31	45	W	1	b	25.34	+04	46	45	WNW	3	0	2	0	3	48	42	0.12	
	Parsonstown ...	25.32	51	2	0	0	25.35	+06	48	48	W	1	0	0	0	3	53	45	0.04	
	Valencia ...	25.48	49	WNW	2	b	25.46	+07	50	49	WNW	1	0	2	0	3	51	45	0.01	
	Roche's Point	25.40	50	WNW	4	C	25.41	+01	48	45	WNW	2	0	3	0	3	53	45	—	
GERMANY & HOLLAND	Pembroke (St. Ann's Hd.)	25.33	47	WNW	4	b	25.40	+03	46	45	W	1	0	3	0	3	48	43	0.05	
	Scilly ...	25.35	49	WNW	4	wf	25.42	-01	48	47	W	4	0	4	0	3	51	46	—	
	Prawle Point ...	25.31	47	WNW	2	0	25.42	+02	45	45	W	1	0	0	0	3	48	40	—	
	Jersey (St. Aubin's)	25.31	49	W	4	ognd	25.41	-01	46	45	W	1	0	1	0	3	50	44	0.23	
	Hurst Castle ...	25.27	48	WNW	3	T	25.37	+02	42	41	W	1	0	2	0	3	52	37	—	
	Dungeness ...	25.28	50	W	2	0	25.33	+04	38	38	WNW	1	0	1	0	3	52	36	—	
	North Foreland	25.23	46	WNW	1	0	25.32	+06	44	42	W	1	0	2	0	3	50	38	—	
	London ...	25.26	45	WNW	2	ogm	25.35	+03	42	41	W	1	0	0	0	3	52	38	—	
	Oxford ...	25.29	46	WNW	1	0	25.37	+02	39	38	W	1	0	0	0	3	52	37	—	
	Cambridge ...	25.25	47	WNW	1	0	25.33	+04	41	40	WNW	4	0	0	0	3	50	37	—	
FRANCE AND BELGIUM.	Yarmouth ...	25.20	48	WNW	2	b	25.25	+03	42	41	W	4	0	3	0	3	49	37	—	
	Cuxhaven ...	25.14	40	WNW	3	b	25.16	+26	40	39	WNW	3	0	0	0	3	41	30	—	
	Berlin ...	25.13	38	W	2	0	25.21	+24	34	33	WNW	4	0	0	0	3	45	30	0.04	
	Wiesbaden ...	25.17	38	W	3	0	25.36	+28	32	31	W	1	0	0	0	3	48	30	—	
	Munich ...	25.17	38	W	3	0	25.34	+28	35	34	W	3	0	0	0	3	46	35	0.04	
	The Helder ...	25.20	41	WNW	1	C	25.27	+06	40	40	W	3	0	2	0	3	41	37	—	
	Brussels (9 a.m.)	25.18	38	W	2	0	25.26	+05	40	40	WNW	1	0	0	0	3	52	37	—	
	Cape Gris Nez	25.28	32	WNW	2	0	25.36	+05	42	42	WNW	1	0	0	0	3	52	41	—	
	Brest ...	25.28	32	WNW	3	0	25.36	+05	42	42	W	2	0	0	0	3	50	40	—	
	Lorient ...	25.27	30	WNW	3	0	25.32	-10	46	45	W	4	0	4	0	3	54	46	0.04	
PENIN- SULA.	Rochefort ...	25.31	51	WNW	3	m	25.25	-07	46	46	NE	4	0	0	0	3	54	44	0.28	
	Belfort ...	25.24	42	W	2	C	25.27	00	38	36	W	2	0	0	0	3	50	33	—	
	Lyons ...	25.24	48	WNW	2	0	25.29	00	39	37	WNW	3	0	0	0	3	51	38	—	
	Nice ...	25.28	53	W	0	C	25.04	+02	51	41	W	1	0	0	0	3	53	42	—	
	Perpignan ...	25.15	58	W	4	b	25.17	-02	53	47	W	4	0	0	0	3	61	52	—	
	Biarritz ...	25.31	52	WNW	3	b	25.23	-09	47	46	NE	3	0	2	0	3	55	46	—	
	Corunna ...	25.13	37	WNW	2	b	25.27	-15	36	37	NE	4	0	0	0	3	61	50	0.08	
	Lisbon ...	25.13	37	WNW	2	b	25.27	-15	36	37	NE	4	0	0	0	3	61	50	0.08	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Tuesday, 7th March 1893.

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EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

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— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

— dead calm.

SEA-DISTURBANCE—Where considerable, is shown thus

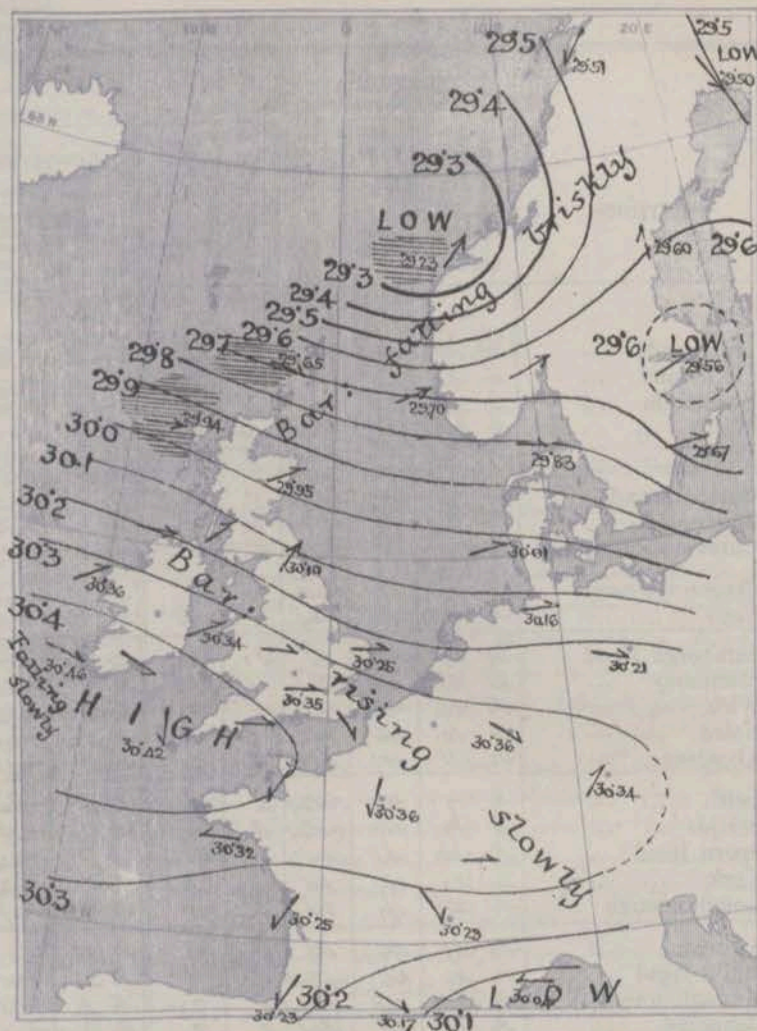
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March

During the 20 Years, 1871—1890.

STATIONS.	MEAN READINGS.
Bamburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.906
York	29.908
Loughborough	29.932
Ardrossan	29.960
Mullaghmore	29.972
Doughadoe	29.982
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Rocha's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.974
Dover	29.978
LONDON	29.980
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by letters of the Beaufort Scale.

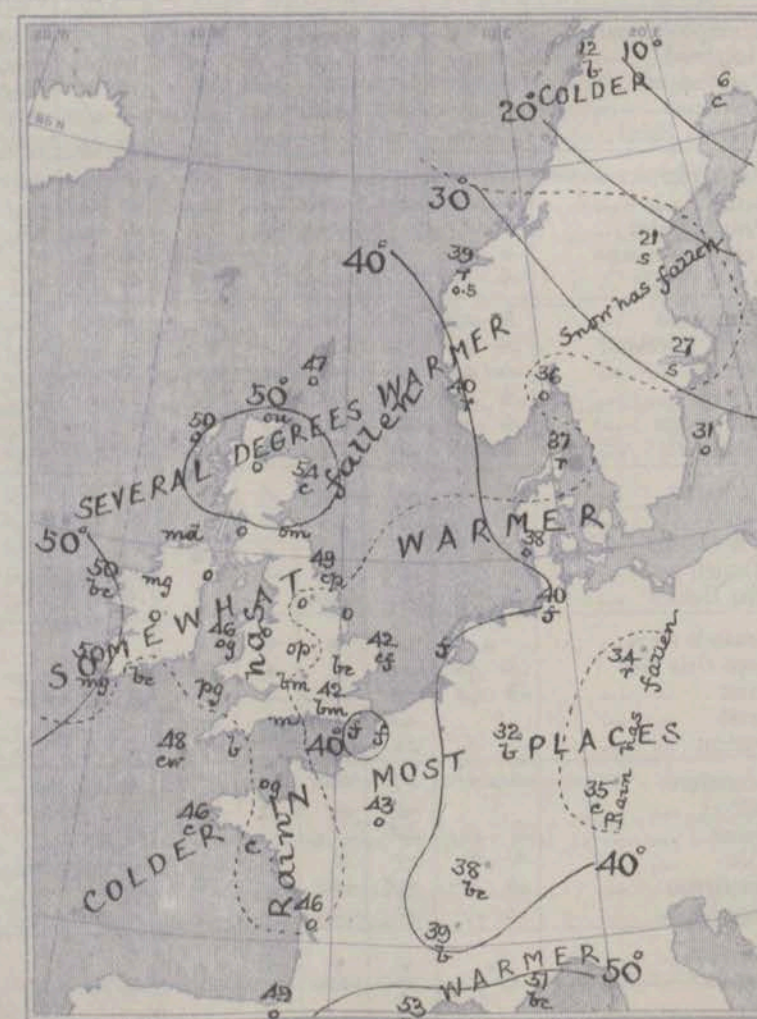
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Bamburgh Head	42.6	33.9	38.3	36.9	2.79
Stornoway	41.0	31.5	30.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.8	38.0	30.2	1.68
Aberdeen	46.4	34.4	38.4	36.5	2.33
Leith	47.9	34.6	39.6	37.7	1.41
Shields	45.9	35.2	39.8	37.8	1.75
Spurn Head	44.7	30.6	39.7	38.1	1.22
York	48.1	31.0	38.0	37.0	1.73
Loughborough	49.3	31.2	39.0	37.3	1.84
Ardrossan	46.3	36.3	40.1	38.3	2.14
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Doughadoe	47.2	37.1	40.8	39.6	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	41.9	42.8	1.20
Rocha's Point	49.7	39.0	43.5	41.6	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	49.6	42.5	45.0	41.2	2.40
Prawle Point	48.1	37.7	43.6	41.2	1.98
Jersey	49.6	39.9	44.0	42.0	2.38
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	55.0	38.4	40.1	38.2	1.49
Oxford	49.0	34.5	39.0	37.4	1.59
Cambridge	50.2	33.9	38.9	37.8	1.10
Yarmouth	45.2	34.9	40.2	38.6	1.82

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1869-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards, over the southern part of our Islands, and exceeding 30 ins. over Ireland, England, the Bay of Biscay, France, and Germany.
 Lowest, 29.3 ins. and less, in a well-marked depression, the centre of which is near Christiansund.
 Gradients rather steep over Scandinavia and the north of Scotland, moderate to slight elsewhere.
 Barometer falling decidedly in the north, steady in the southwest, but the fall in the north seems to be spreading southwards as well as eastwards.

TEMPERATURE

Highest, 56° at Lisbon, 50° to 54° in Scotland, 50° in the west of Ireland, 51° to 53° in the south of France.
 Lowest, 6° at Haparanda, 12° at Bodø, 21° at Helsingfors, 32° at Kristiania, 34° at Berlin, 36° at Dungeness and at Alfort.
 The maxima recorded during the past 24 hours were 50° to 56° at the Scotch stations, and 50° or more in many parts of Ireland and England.

WIND

1. Light (and anticyclonic) from W over the southern parts of Ireland, from NW and N. in the south of England, and from NE in the west of France; very variable over France.
2. Fresh to very strong (and cyclonic) from W and NW over the northern parts of our Islands, and from W and SW over the greater part of Norway, but NE at Bodø. At Wick the wind is increasing quickly in force.

WEATHER

1. B dull and very unsettled in the north, with a threatening appearance at Wick, rain in the west of Norway, and snow in Sweden. Light showers are falling in the N. of England.
 2. Fair generally in the south of our Islands and over France, but foggy or hazy at our southern stations.
- A good deal of snow and rain has fallen at Christiansund, and rain showers in many parts of the British Islands, Germany, and the southwest of France. Lunar halos were seen at our southern stations last evening.

SEA

Rather rough in the north, moderate off the southwest of England, slight in most other places, smooth in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north seems to be moving northeastwards, but a secondary system appears to be approaching Scotland from the northwestward.

FORECASTS

For the 24 hours ending at NOON on 8th March, 1893.

DISTRICTS.

FORECASTS.

1	SCOTLAND NORTH	NW ^{ly} gales and strong winds; squally, cold showers and falling temperature.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W ^{ly} and NW ^{ly} winds; some showers, colder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW ^{ly} breezes, light; fair as a whole, but not settled. Colder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W ^{ly} and NW ^{ly} winds, strong; some showers. Colder.
7	ENGLAND N.W.	Same as No. 2 to 4.
8	ENGLAND S.W.	NW ^{ly} winds, light, fine, hazy.
9	IRELAND NORTH	Same as No. 6
10	IRELAND SOUTH	Same as No. 8
WARNINGS		At 9.50 am today to district 0 and part of 1. "HOIST NORTH CONE".

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.06	40	26	NW	4	C	4	Valencia ...	30.45		50	49	NW	4	md	4
Sumburgh Head ...	29.84	44	44	SE	1	T	3	Scilly ...	30.40		50	48	WNW	4	C	3
Stornoway ...	30.06	47	46	W	4	O	4	Jersey ...	30.25		53	49	WNW	3	cong	3
Aberdeen ...	30.04	54	44	SE	2	C	2	Hurst Castle ...	30.23		50	48	WNW	3	C	2
Shields ...	30.10	52	49	WNW	4	C	2	Dungeness ...	30.24		48	47	W	3	C	2
Ardrossan ...	30.16	50	44	W	4	C	3	North Foreland ...	30.22		50	47	WNW	2	C	3
Malin Head ...	30.23	49	47	WNW	3	C	2	London ...	30.25		52	48	W	1	og	3
Mullaghmore ...	30.31	50	48	WNW	4	C	3	Yarmouth ...	30.20		49	47	NW	3	og	3
Behmullet ...	30.35	51	48	WNW	2	C	3	Rochefort ...	30.35		50	47	N	2	m	3
Holyhead ...	30.24	46	46	WNW	4	C	3									

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather dull in nearly all parts of the United Kingdom, with rain on our extreme northwest coasts. Fine over the greater part of Scandinavia, Denmark, France, and southern Europe, but dull over the eastern and central countries, with rain in Poland, Germany, Austria, and the east of France, and with snow over Finland and the Baltic Provinces. A little rain falling during day in most parts of our Islands, but weather showing some improvement in the western and northern districts towards evening.

Temperature fallen a little over the United Kingdom, Scandinavia, and Denmark, but risen elsewhere. Morning readings highest 64° at Barcelona, 58° at Algiers, and 51° at Nemours and Oran; above 50° at most of the Mediterranean and Spanish coast stations, and just reaching that point in the west of Ireland. Lowest -10° F. at Archangel, +3° at Hakawanda, 12° at Uleaborg and 14° at Moscow, below the freezing point over Russia and Scandinavia generally. Rising during day to 50° and upwards in nearly all parts of the United Kingdom and France and reaching 67° at Perpignan.

Wind light to fresh from the Wnd or SWnd in the west and north of our Islands, but NWnd in the south, and Nnd or NEnd over the greater part of France and Spain. Wnd or NWnd in the north of Scandinavia, with a gale at Uleaborg; strong from the Nnd over Denmark and the south of Scandinavia, and from the NWnd over North Germany; light from W. or SW. over eastern and southern Germany, and from the Snd at most of the Russian stations, variable in Italy, chiefly Nnd in Algeria. Veering later to the NWnd or Nnd on some part of our western coasts, no important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards, in an anticyclone lying over our extreme southeast coasts and the northwest of France. Lowest 29.2 ins. to 29.4 ins. in a "V" shaped depression lying over Finland and the Baltic Provinces; 29.9 ins. and less, in another disturbance lying to the northwestward of Scotland. Latter system subsequently travelling northwards, and barometer rising over the more western and northern parts of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 8TH MARCH. 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

PAST 24 HOURS.																
THIS MORNING.																
YESTERDAY EVENING.																
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For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday, 8th March

1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4;
○ dead calm.

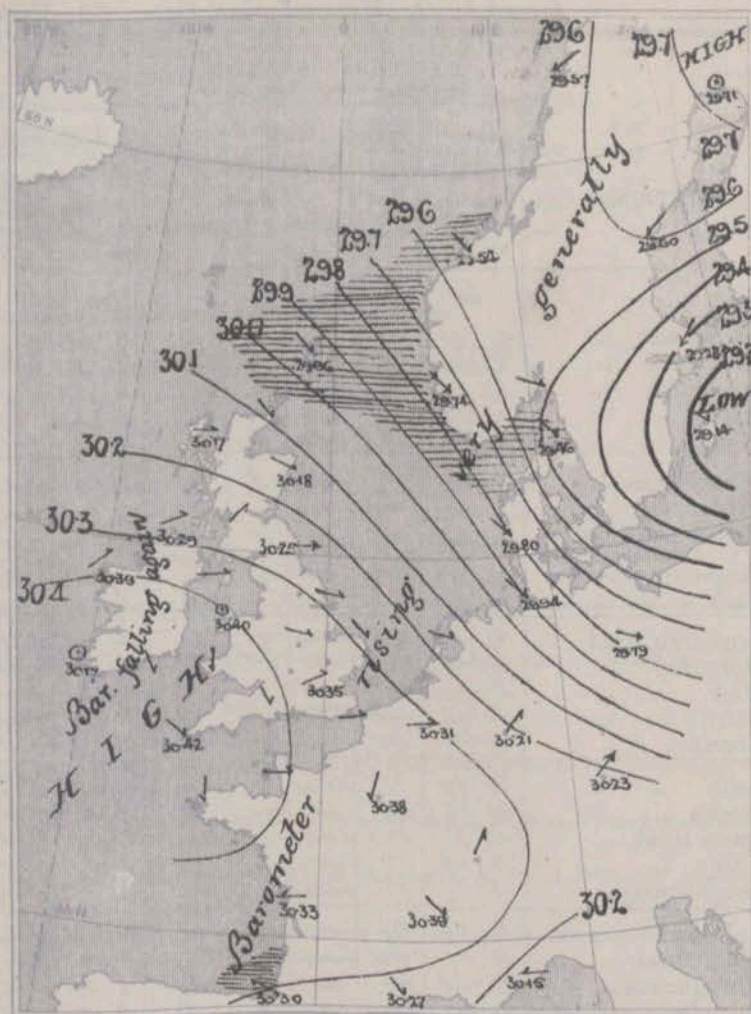
SEA DISTURBANCE—Where considerable, is shown thus

▨ = Rough ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of March
During the 25 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.906
York	29.908
Loughborough	29.932
Ardrossan	29.885
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

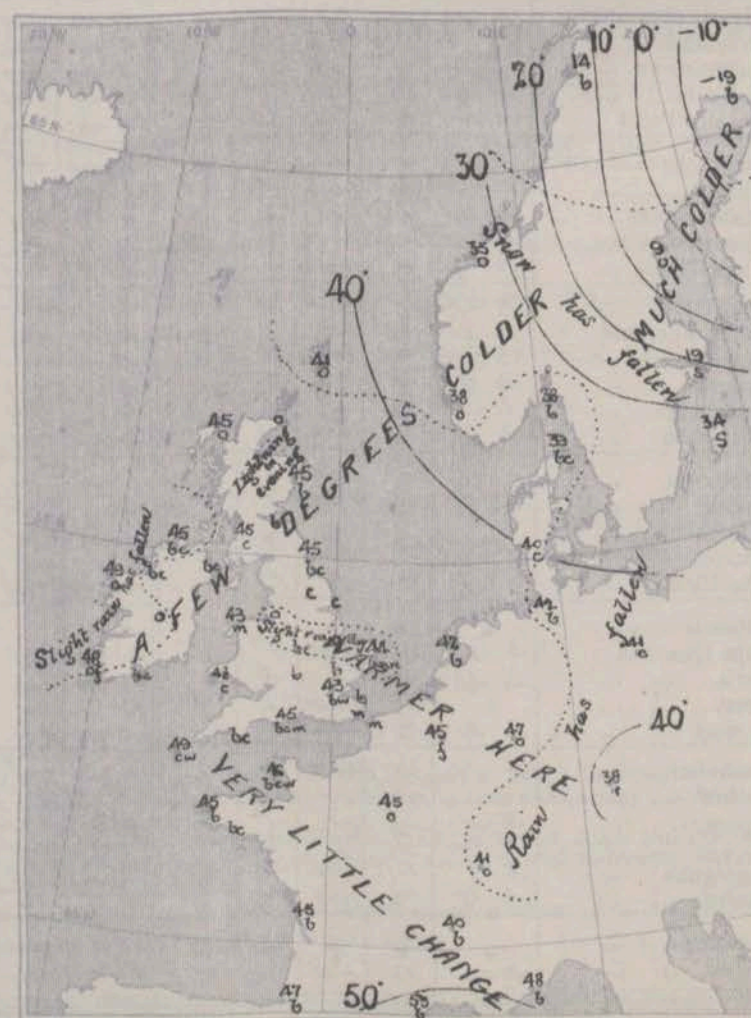
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.5	33.9	38.5	36.8	2.79
Stornoway	41.0	34.5	39.1	38.1	3.79
Wick	41.8	34.0	39.0	37.2	2.92
Nairn	45.0	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.0	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head.....	43.7	36.8	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.64
Ardrossan	46.3	39.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.0	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.95
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.4	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.31
Valencia	51.1	40.2	41.9	42.8	1.20
Roche's Point	49.7	39.0	42.3	41.8	3.71
Pembroke	48.6	39.1	42.1	40.3	2.40
Sally	49.6	42.5	44.0	44.2	2.10
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.0	41.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	36.4	40.1	38.2	1.49
Oxford	49.9	34.9	39.9	37.4	1.69
Cambridge	50.2	37.0	39.9	37.5	1.40
Yarmouth	48.2	34.9	40.2	38.5	1.82

NOTE.—The Temperature means are for the 25 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in: and more to 30.2 in: in an anticyclone covering Ireland, England, France, and the Bay of Biscay, and 29.7 in: and more at the northern extremity of the Gulf of Bothnia.
Lowest, 29.2 in: and less, in a deep depression over the Baltic.

Gradients steep over the eastern shores of the North Sea, slight over our Islands and France.

Barometer rising except in the northwest and west, where a fresh fall has set in during the night.

TEMPERATURE

Highest, 53° at Harpman, 52° at Liebn, 48° to 49° on our own southwest coasts, 45° at Stromsøay.

Lowest, -19° F. at Haparanda, +9° at Hernoöand, 19° at Stockholm.

The maxima recorded yesterday was as high as 60° at Aberdeen, and 57° to 59° in the East of Scotland generally.

WIND

Blowing a gale from NW. on the eastern shores of the North Sea, a moderate breeze from between NW. and W. in Scotland, and from SW. in the north of Ireland.

At the more southern stations it is very light and anticyclonic (W^{ly} and NW^{ly} in the Channel, E^{ly} over the Bay of Biscay).

A strong gale from NW. was felt in the northeast of Scotland yesterday and during the night, but over the more southern regions light winds have prevailed.

WEATHER

Very unsettled over the Baltic, and snow is falling both at Stockholm and Wisby. In our Islands and their neighbourhood the weather is fair, - at many stations clear, but dull in the extreme west and northwest.

Light showers fell yesterday both at our northern stations, and on the eastern shores of the North Sea, and larger quantities of rain and snow over Scandinavia. Lightning occurred at Aberdeen in the evening.

SEA

Very rough at the most northern stations and on the eastern shores of the North Sea, moderate at Valerius, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new and probably large low-pressure system is evidently approaching our west and northwest coasts, but at present there is nothing to indicate its depth.

FORECASTS

For the 24 hours ending at NOON on 5th March 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } SW ^{ly} winds, increasing, very changeable, rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } Wind backing to SW. with fair mild weather, unsettled tomorrow. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | NW ^{ly} to SW ^{ly} winds, light, fine, milder, less fair tomorrow. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | } SW ^{ly} and S ^{ly} winds, becoming unsettled and rainy. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as N°5 |
| 9 | IRELAND NORTH | } Same as N°6 and 7. |
| 10 | IRELAND SOUTH | |
| WARNINGS | | The Signals hoisted yesterday in districts 0 and 1 have been lowered this morning. |

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.	WIND.	F.	WEA.	SEA.
		Dry	Wet	Dirac						Dry	Wet			
Skudesnaes ...	25.61	42	42	N	6	of	4	Valencia ...	30.47	52	51	2	om	2
Sumburgh Head ...	25.64	47	45	NW	6	of	6	Scilly ...	30.42	52	50	3	c	3
Stornoway ...	30.22	51	49	NW	5	c	5	Jersey ...	30.45	51	49	2	c	2
Aberdeen ...	30.37	53	50	NW	6	of	3	Hurst Castle ...	30.35	49	47	4	bcn	2
Shields ...	30.11	52	51	N	4	c	2	Dungeness ...	30.29	49	46	4	c	3
Ardrossan ...	30.10	52	50	N	5	c	3	North Foreland ...	30.24	52	47	4	c	3
Malin Head ...	30.24	49	47	N	5	c	3	London ...	30.31	53	49	2	o	*
Mullaghmore ...	30.24	49	47	N	4	of	3	Yarmouth ...	30.20	50	48	3	cm	3
Belmullet ...	30.31	52	51	N	3	om	*	Rocheport ...	30.31	53	50	4	c	*
Holyhead ...	30.32	50	49	NW	3	c	2							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather cloudy or overcast in all the more northern parts of the United Kingdom, with showers in the north of England. Dull also over nearly the whole of northern, eastern, and central Europe, with fog in the Netherlands, rain in the west of Norway, and snow in Sweden, as well as at Archangel, Kiev, and Lemberg. Fine and bright over Italy and the southern parts of France and Spain, but dull at most of the Algerian stations. A little rain falling during day at several of our western stations and larger quantities in Germany; heavy snow reported at Herösand.

Temperature risen in the north of our Islands, as well as on the eastern shores of the North Sea and in Italy; fallen elsewhere. Morning readings, ^{highest} 60° at Barcelona, 53° at Algiers, and 57° at Nemours and La Caille; above 50° at most of the Mediterranean and Spanish coast stations, as well as in the east of Scotland. Lowest T.F. at Uleaborg, 43° at Kuopio, 6° at Haparanda, 9° at St Petersburg, and 11° at Archangel; slightly below the freezing point in some parts of Germany. Rising during day to 60° at Aberdeen, to 53° at Kain, and to 55° or a little above in many isolated parts of the United Kingdom, exceeding 60° in the west and south of France.

Wind W^{ind} over the greater part of our Islands and also over the northern and central parts of the Continent, but rather variable over the northern parts of Scandinavia, strong in force in the north of Scotland and the south of Norway. Light from the N^{orth} over the English Channel, moderate from the NE^{ast} in Spain, and the west and south of France; N^{orth} in Italy and also over the south of Russia. Subsequently increasing to a moderate to strong gale from the W^{est} in the west of Norway, and from NW in the north of Scotland, no important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards, over the southwest of our Islands, 30.1 ins. and upwards in a large anticyclone covering Ireland, England, the Netherlands, Germany, France, and the greater part of Spain. Lowest 28.3 ins. and less, in a depression having its centre near Archangel; 29.3 ins. and less, in another disturbance lying off the west of Norway; 29.6 ins. and less, in a small secondary system lying near Stockholm. Norwegian depression subsequently travelling southwards, and gradients for NW^{est} winds becoming steep over the North Sea and north of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty; (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 9th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Shade Temp.			Amount of Rainfall.		
				Dirac.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).		Weather.	Max.	Min.			
Inch.		°				Inch.	°	°	°							°	Inch.			
SCANDINAVIA.	Haparanda ...	29.86	-20	Z	0	b	29.75	+0.11	-14	-14	+5	S	2	b	#	b	14	-26	-	
	Hernösand ...	29.96	-8	Z	0	b	29.78	+0.18	8	7	-1	S	2	c	#	b	21	-9	-	
	Stockholm ...	30.01	6	NE	2	b	30.08	+0.07	9	9	-9	SW	2	0	#	b	37	5	-	
	Wisby ...	29.92	17	NE	4	b	30.13	+0.21	13	?	-21	E	4	b	#	b	36	13	0.04	
	Bodö ...	29.70	17	NE	2	bc	29.43	-0.27	24	23	+10	E	4	S	2	bc	24	10	-	
	Christiansund...	29.78	37	WSW	5	f	29.45	-0.33	40	36	+4	SE	4	0	6	f	40	35	0.12	
	Skudesnaes ...	30.02	39	HW	2	bc	29.78	+0.24	39	38	+1	S	8	f	4	e, bc	43	36	-	
	Christiania Fjord (Frier)	29.91	32	NE	4	b	29.89	+0.02	33	33	-5	SSE	4	0	3	b	38	32	-	
	Skagen (The Scaw)	29.91	33	SE	1	b	29.98	+0.07	34	33	-5	SW	4	0	3	b	39	30	-	
	Fanö ...	30.08	37	HW	6	b	30.08	+0.00	36	36	-4	NW	2	c	#	b	43	36	-	
BRITISH ISLANDS.	Sumburgh Head	29.95	44	WSW	2	0	29.44	-0.51	46	46	+2	WSW	7	f	7	c, 0	47	41	0.24	
	Stornoway ...	30.03	49	W	4	f	29.70	-0.33	50	50	+5	W	6	f	5	0, 1	50	42	0.08	
	Wick ...	29.99	47	HW	3	0	29.61	-0.38	51	47	+4	HW	5	c	2	0	51	42	0.02	
	Nairn ...	30.03	49	SW	2	f	29.72	-0.31	49	46	+3	SW	3	bc	1	f	53	42	0.03	
	Aberdeen ...	30.10	49	WSW	2	og f	29.79	-0.31	49	44	+5	SW	5	c, 0	3	c, 0, 0	53	43	0.10	
	Leith ...	30.19	47	WSW	4	0	29.95	-0.24	47	45	+2	SW	3	0	#	0	54	43	-	
	Shields ...	30.20	50	W	4	0	30.01	-0.19	45	43	+2	W	4	c	2	c, 0	53	43	-	
	Spurn Head ...	30.24	46	HW	2	cm	30.09	-0.15	45	43	+2	SW	2	bc, W	3	cm	57	40	-	
	York ...	30.27	49	W	2	b	30.10	-0.17	47	45	+2	W	3	bc	#	b	57	43	-	
	Loughborough	30.31	50	HW	1	bc	30.19	-0.12	43	42	+1	SW	1	c, W	#	bc	63	40	-	
GERMANY & HOLLAND.	Ardrossan ...	30.25	45	W	2	0	30.02	-0.23	45	45	+0	SSW	3	0	3	0	47	43	-	
	Malin Head ...	30.24	46	SW	5	0	29.99	-0.25	46	46	+0	SW	5	om	4	om	50	45	-	
	Mullaghmore ...	30.31	48	SW	4	og m	30.13	-0.18	48	47	+1	SW	4	om	3	og m	49	45	-	
	Belmullet ...	30.33	49	SW	3	0	30.15	-0.18	49	49	+0	SW	4	0	#	0	49	47	0.05	
	Donaghadee ...	30.29	51	WSW	4	c	30.12	-0.17	47	46	+1	W	4	c	2	c	52	40	-	
	Liverpool (Bldston)	30.32	47	W	4	0	30.16	-0.16	44	42	+2	SSW	1	b	2	0	48	42	-	
	Holyhead ...	30.26	46	WSW	2	og	30.18	-0.08	46	46	+0	Z	0	bc, 0	0	b, 0, 0	51	42	-	
	Parsonstown ...	30.36	48	Z	0	0	30.21	-0.15	47	46	+1	SW	1	om	#	0	51	45	-	
	Valencia ...	30.42	48	W	1	cm	30.30	-0.12	50	49	+1	SSE	1	om	3	om, cm	51	46	-	
	Roche's Point	30.39	52	W	1	0	30.27	-0.12	48	47	+1	HW	1	c	2	0	53	46	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.37	48	HW	2	0	30.25	-0.12	46	46	-2	W	2	f	3	0	51	45	-	
	Scilly ...	30.37	50	H	3	f	30.25	-0.12	48	48	-1	HW	3	om	4	f	52	47	-	
	Prawle Point ...	30.35	48	SW	2	c	30.28	-0.07	43	43	-5	SW	1	m	1	c, f	54	41	-	
	Jersey (St. Aubin's)	30.37	48	W	3	f	30.30	-0.07	44	44	-2	SW	2	f	2	cm, f	55	43	0.02	
	Hurst Castle ...	30.34	47	WSW	2	bc	30.28	-0.06	44	43	-1	WSW	2	om	1	bc, m	58	41	-	
	Dungeness ...	30.32	46	W	2	b	30.21	-0.11	41	41	-6	WSW	3	f	2	b, f	57	39	-	
	North Foreland	30.31	46	S	2	b	30.19	-0.12	45	42	-3	W	1	bm	2	b	54	41	-	
	London ...	30.31	51	SSW	1	bm	30.23	-0.08	41	40	-2	SW	1	f	#	bm, b	60	38	-	
	Oxford ...	30.32	49	WSW	2	b	30.23	-0.09	41	40	-2	SSW	1	f	#	bm	61	36	-	
	Cambridge ...	30.28	54	WSW	1	bc	30.23	-0.05	42	42	+0	SSW	3	0	#	bc	66	37	-	
PENINSULA.	Yarmouth ...	30.29	44	SSE	3	b	30.17	-0.12	42	41	-1	WSW	3	bc	3	b	52	38	-	
	Cuxhaven ...	30.06	37	HW	7	c	30.17	+0.11	37	36	-1	W	2	m	#	c	42	35	-	
	Berlin ...	29.94	38	HW	4	c	30.16	+0.22	36	34	-2	HW	3	0	#	c	45	34	0.08	
	Wiesbaden ...	"	"	"	"	"	30.30	+0.36	39	39	-8	W	1	c	#	#	54	36	-	
	Munich ...	30.15	44	SW	6	b	30.27	+0.12	36	34	-2	HW	5	0	#	b	46	36	-	
	The Helder ...	30.32	41	W	1	c	30.19	-0.13	40	39	-1	SSW	2	c	1	c	43	37	-	
	Brussels (9 a.m.)	"	"	"	"	"	30.24	-0.07	42	41	-3	SSW	1	bc	#	b	54	38	-	
	Cape Gris Nez	30.26	48	E	1	m	30.18	-0.08	43	41	-2	SW	4	f	4	m	54	36	-	
	Paris ...	30.35	50	S	2	b	30.31	-0.04	39	39	-6	S	1	0	#	b	55	37	-	
	Brest ...	"	51	H	2	0	"	"	45	43	+2	E	1	0	1	0	55	39	-	
FRANCE AND BELGIUM.	Lorient ...	30.34	50	HW	3	bc	30.24	-0.10	43	43	+0	E	4	bc	2	bc	55	41	-	
	Rochefort ...	30.25	55	HW	3	b	30.19	-0.06	46	46	+0	E, NE	4	b	#	bc, b	63	45	-	
	Belfort ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	-	
	Lyons ...	30.30	52	HW	1	b	30.27	-0.03	44	41	+3	N	2	b	#	b	57	40	-	
	Nice ...	30.08	48	SW	1	b	29.99	-0.09	51	44	+7	E	2	bc	#	b	59	43	-	
	Perpignan ...	30.15	66	HW	2	b	30.10	-0.05	60	47	+13	HW	2	b	#	b	73	58	-	
	Biarritz ...	30.22	56	H	3	b	30.15	-0.07	46	44	-2	SE	1	b	#	b	57	43	-	
	Corunna ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	-	
	Lisbon ...	29.99	58	SE	3	b	30.06	+0.07	54	52	+2	NE	4	bc	#	b	63	52	0.04	
	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	-	

For Explanation of Columns, see bottom of last page

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 9th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

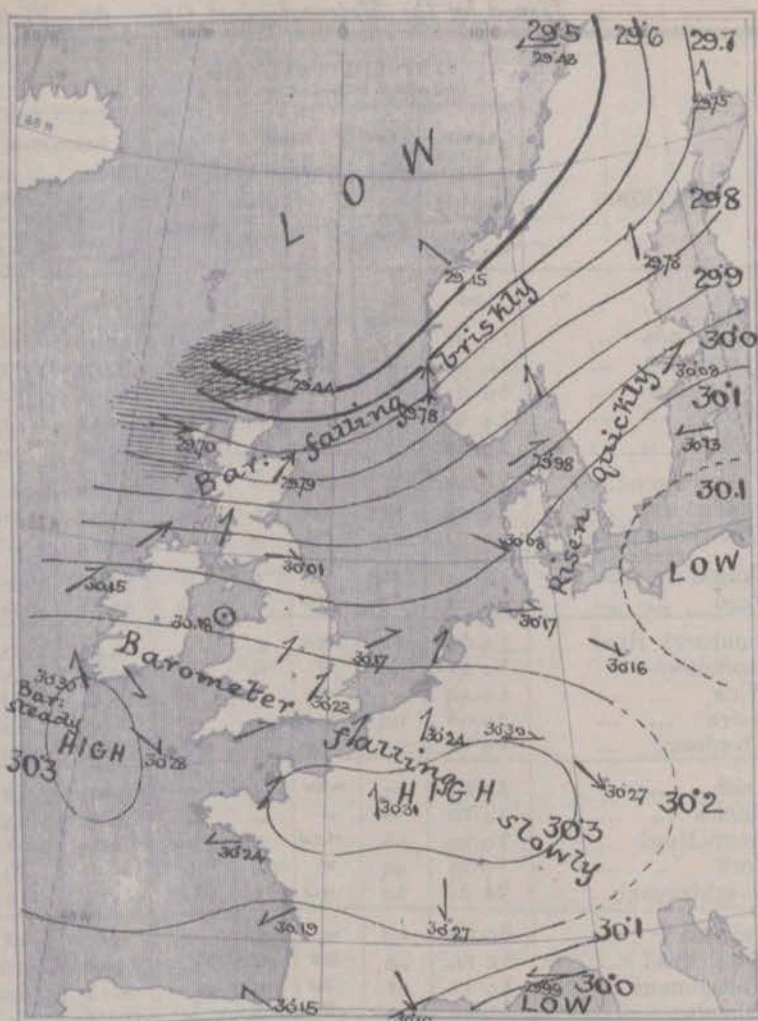
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
 — forces above 10 — forces 8 to 10 —
 — forces 5 to 7 — forces 1 to 4 —
 — dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:
 — Rough — High

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of March.
 During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sunbury Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.909
Loughborough	29.932
Androssau	29.860
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.923
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.930
Oxford	29.951
Cambridge	29.911
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M. WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

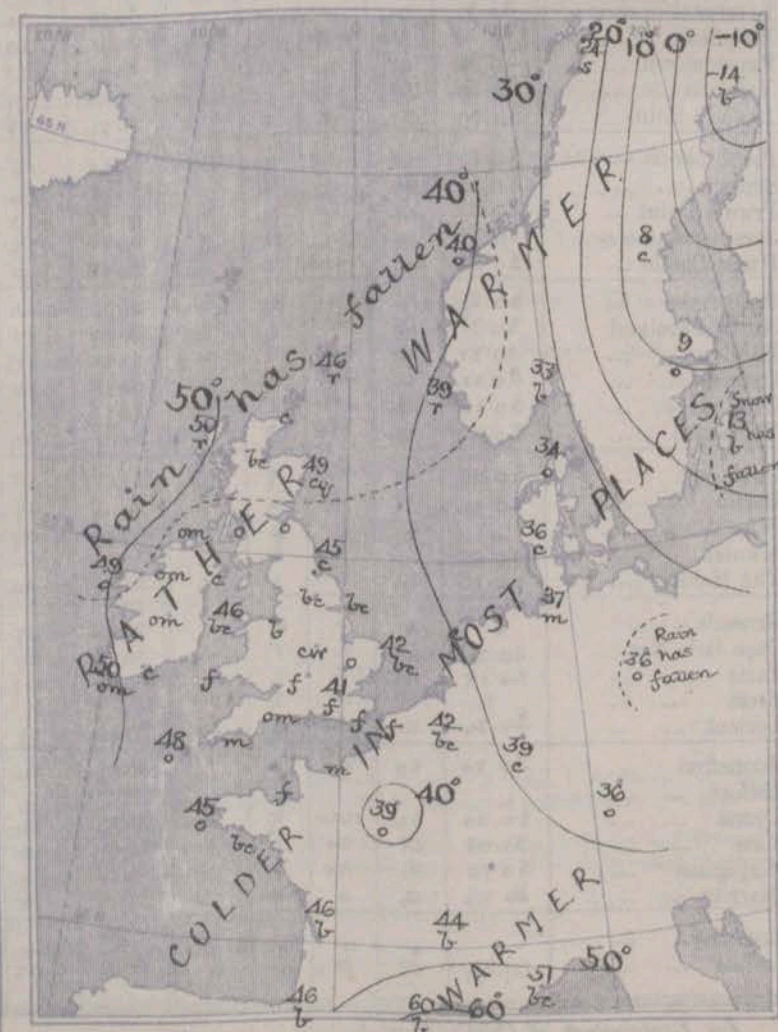
WEATHER—is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL. (For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sunbury Head	42.5	32.9	38.1	36.9	2.72
Stornoway	41.9	31.5	35.1	38.1	3.79
Wick	41.8	34.0	35.0	37.2	2.02
Nairn	43.6	35.9	38.0	39.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	31.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.5	39.7	38.4	1.22
York	43.1	34.0	38.5	37.0	1.75
Loughborough	49.5	31.2	39.0	37.3	1.64
Androssau	46.5	36.3	40.1	38.5	2.11
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.53
Valencia	51.1	40.2	41.9	42.8	1.29
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	49.5	42.5	46.0	41.2	2.40
Prawle Point	48.1	37.7	42.0	41.2	1.95
Jersey	49.5	39.0	41.0	42.0	2.33
Hurst Castle	47.6	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.9	36.1	40.1	38.2	1.43
Oxford	49.9	34.5	38.9	37.1	1.59
Cambridge	50.2	32.0	38.9	37.5	1.40
Yarmouth	45.2	34.9	40.2	38.5	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and more to 30.4 in. over all the southern half of our area.
 Lowest, 29.5 in. and less, in a large depression lying off the west of Norway and apparently moving eastwards.
 Gradient steep over Scotland, Scandinavia, and the northern parts of the North Sea.
 Barometer falling very fast in the north, slightly in the south. At Valenæs the fall has ceased since 6 a.m.

TEMPERATURE

Highest, 60° at Lerpjarn, 54° at Ålborg, 51° at Ålesund and also at Trondheim, 50° at Tromsø and Valenæs.
 Lowest, 14° F. at Haparanda, 18° at Helsingfors, 19° at Stockholm, 24° at Rode, 33° at Paris, 41° in London.

The maxima recorded yesterday were as high as 60° to 66° over our southeastern and eastern countries, and in some parts of the Midlands, the night, however, was rather cold and frost occurred in the gaps.

WIND

Very light and variable (anticyclonic), over all the southern parts of our area, strong to a gale in the north— from W. and N.W. in Scotland, and from S. at Skudenes, in the northwest of Norway it is S.E. to E.

The N.W. wind in Scotland appears to be increasing in force.

WEATHER

Fair generally over France, England and Ireland, with fog or haze in many places; squally and unsettled in the north with rain at Tromsø, Lumburg H., and Skudenes, snow at Rode.

A measurable quantity of rain has fallen at the northern stations only; at Lumburg H. the amount was 0.24 in. inch, elsewhere only a few hundredths of an inch have fallen.

SEA

Rough in the north, moderate in the northwest, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression seems likely to cause N.W. gales in Scotland, and apparently on the eastern shores of the North Sea.

Fair quiet weather is still probable in the south.

FORECASTS

For the 24 hours ending at NOON on 10th March 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW ^{ly} gales today, moderating later; showery to fine.	6 SCOTLAND WEST	Same as No 0 and 1
1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No 2
2 ENGLAND N.E.	W ^{ly} and NW ^{ly} winds, fresh to strong; fair to showery.	8 ENGLAND S.W.	Varying light breezes, fine hazy.
3 ENGLAND EAST	SW ^{ly} to NW ^{ly} breezes; fair generally. Cold again to night, after mild day.	9 IRELAND NORTH	Wind shifting to W nd , changeable and showery in the west, fair in the east. Colder.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 10 a.m. today to district 0 and part of 1 "HOIST NORTH CONE"

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.97	42.	39	W.W.	3	C	5	Valencia ...	30.47	50	50	W	3	om	4
Sumburgh Head	29.99	45	43	W.W.	3	C	4	Scilly ...	30.40	51	51	H	3	f	4
Stornoway ...	30.10	50	48	W	4	C	4	Jersey ...	30.39	55	51	W.W.	2	c	2
Aberdeen ...	30.17	51	44	S	2	C	2	Hurst Castle ...	30.36	55	51	W.W.	2	bm	2
Shields ...	30.25	51	48	W	4	C	2	Dungeness ...	30.33	53	48	E	2	b	1
Ardrossan ...	30.26	47	46	SW	2	C	2	North Foreland ...	30.32	54	45	H	1	b	1
Malin Head ...	30.27	48	47	W.S.W.	5	C	3	London (vic. Westminster)	30.34	60	49	H	1	m	*
Mullaghmore ...	30.33	50	49	W.S.W.	3	C	4	Yarmouth ...	30.29	52	46	H	3	b	3
Behmullet ...	30.36	48	47	SW	3	C	4	Rocheport ...	30.32	56	54	W.W.	3	bc	*
Holyhead ...	30.38	50	48	W.S.W.	3	C	2								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine over the greater part of the United Kingdom, France, and Italy, as well as over Denmark, and the northern parts of Scandinavia and Russia. Dull in the south of Scandinavia and the greater part of central and eastern Europe, with snow at several of the Baltic stations and also at Lemberg and Kief; raining in the southern and southeastern parts of the Spanish Peninsula. A little rain falling later in the north of Scotland and the extreme northwest of Ireland; weather remaining very fine over England.

Temperature fallen in most parts of the United Kingdom, as well as over Scandinavia, northern Russia, and many parts of southern Europe, rain elsewhere. Morning readings highest 61° at Chaw, 60° at Barcelona, and 58° at Algiers, above 50° on the western coast of the Spanish Peninsula but considerably below it in Italy and also in Tunis. Lowest -19° F. at Haparanda, -18° at Archangel, -10° at Uleaborg, and 0° at St. Petersburg; below the freezing point in most parts of Scandinavia and Central Russia. Rising during day to 60° or more at the inland stations in England, and reaching 66° at Cambridge. Daily maxima below 60° at several of the French stations, even in the extreme south, but thermometer rising to 73° at Marseilles.

Wind light or moderate from the SW^W in the north of Ireland, and from W. or NW. in most parts of the United Kingdom, strong to a gale from NW. over Norway, Denmark, and the Baltic, and from the W. or SW. in Poland and Austria. Light from SW. over the central and southern parts of Russia. NE^E over the northern parts of Russia and Scandinavia. Chiefly N^W in Italy, but NE^E or E^W in Spain, and SE^E in Algeria. Wind subsiding later in Denmark, but fresh gale from WSW. setting in at Christiansund.

Barometer highest 30.4 in. and upwards in an anticyclone lying over the southwestern parts of the United Kingdom and the northwest of France. Lowest, 28.9 in. and less, in a large and deep depression, with its centre over the Baltic Provinces. Gradients steep over all the more central parts of Europe, with the North Sea, Denmark, and Finland. Quick rise of barometer taking place later over Denmark and the south of Scandinavia, but new fall setting in over the western and northern parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 10th March, 1893

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETR.		SHADE TEMP.			WIND.				SHADE TEMP.				
	Reading at 3 P.M. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 3 P.M. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.		
																			Inch.	
SCANDINAVIA.	Haparanda ...	29.32	10	S	4	0	28.91	-0.41	17	17	+ 31	SE	4	S	4	0	24	-15	0.08	
	Hernösand ...	?	23	SEE	9	S	28.72	-1.06	28	27	+ 20	SE	0	S	4	0	28	-15	0.10	
	Stockholm ...	29.36	27	SSW	8	S	28.97	-1.21	38	33	+ 24	WSW	6	S	4	0	39	-2	0.04	
	Wisby ...	29.58	27	SSW	9	S	29.08	-1.05	35	33	+ 22	WSW	4	S	4	0	35	7	0.55	
	Bodö ...	28.78	33	E	6	0	28.60	-0.63	25	24	+ 1	E	2	S	1	0	33	23	-	
	Christiansund...	28.80	41	HW	6	1	28.84	-0.61	34	32	- 6	HW	7	S	6	1	43	34	0.39	
	Skudesnaes ...	29.45	41	W	6	bc	29.42	-0.36	36	35	- 3	HW	6	bc	5	0.6c	43	32	-	
	Christiania Fjord (Farder)	29.29	36	SW	5	b	29.15	-0.74	36	32	+ 3	HW	5	bc	4	0.6c	36	33	0.12	
	Skagen (The Scaw)	29.42	37	W	6	bc	29.24	-0.74	37	35	+ 3	HW	6	bc	5	0.6c	39	34	0.20	
	Fanö ...	29.67	39	HSW	6	0	29.61	-0.47	37	36	+ 1	W	8	cp	4	0	39	34	0.16	
ISLANDS.	Sumburgh Head	29.41	41	W	8	0	29.56	+0.12	35	35	- 11	HW	5	0	6	0.6c	49	34	0.08	
	Stornoway ...	29.77	43	HW	6	chp	30.02	+0.32	41	40	- 9	HW	7	c	6	0.6c	50	35	0.10	
	Wick ...	29.65	42	W	6	c	29.78	+0.17	36	35	- 15	W	7	chp	6	0.6c	54	34	0.10	
	Nairn ...	29.78	41	W	4	bc	29.95	+0.23	39	37	- 10	HW	4	c	4	0.6c	56	35	0.10	
	Aberdeen ...	29.77	42	W	6	bc	29.93	+0.14	40	37	- 9	HW	7	c	4	0.6c	59	37	0.03	
	Leith ...	29.89	44	WSW	5	b	30.02	+0.07	41	35	- 6	W	4	b	4	0.6c	55	38	-	
	Shields ...	29.90	50	W	5	bc	30.08	+0.07	43	40	- 2	WSW	4	c	2	0.6c	54	37	-	
	Spurn Head ...	29.96	47	W	4	cm	30.10	+0.01	42	41	- 3	W	6	b	4	0.6c	51	39	-	
	York ...	29.99	50	W	5	bc	30.14	+0.04	43	40	- 4	W	4	b	4	0.6c	53	39	-	
	Loughborough	30.08	49	HW	2	bc	30.25	+0.06	41	38	- 2	HW	3	b	4	0.6c	53	39	-	
BRITISH.	Ardrossan ...	29.96	45	W	6	c	30.13	+0.11	44	42	- 1	HW	7	b	5	0.6c	49	40	0.03	
	Malin Head ...	30.03	45	HW	6	bc	30.24	+0.25	44	42	- 2	HW	5	c	4	0.6c	49	39	0.02	
	Mullaghmore ...	30.18	46	W	5	bc	30.36	+0.23	45	42	- 3	WSW	4	bc	4	0.6c	50	42	-	
	Bellmullet ...	30.24	47	WSW	4	b	30.41	+0.26	45	41	- 4	WSW	3	bc	4	0.6c	50	42	0.03	
	Donaghadee ...	30.11	47	HW	5	bc	30.27	+0.15	42	40	- 5	WSW	6	b	4	0.6c	53	39	-	
	Liverpool (Bidston)	30.08	49	W	6	c	30.25	+0.09	42	40	- 2	W	7	b	4	0.6c	50	40	-	
	Holyhead ...	30.12	47	SW	3	0	30.32	+0.14	44	42	- 2	HW	4	bc	3	0.6c	53	41	-	
	Parsonstown ...	30.22	48	W	0	bc	30.42	+0.21	36	35	- 11	W	0	b	4	0.6c	52	38	-	
	Valencia ...	30.34	50	HW	4	bc	30.50	+0.20	37	36	- 13	W	1	bc	3	0.6c	51	35	-	
	Roche's Point	30.25	52	HW	4	c	30.36	+0.09	40	38	- 8	HW	3	b	3	0.6c	56	38	-	
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	30.20	46	HW	2	c	30.40	+0.15	43	41	- 3	HW	4	b	3	0.6c	48	41	-	
	Scilly ...	30.25	49	HW	3	0	30.44	+0.19	47	45	- 1	HW	4	c	3	0.6c	50	44	-	
	Prawle Point ...	30.21	47	HW	2	0	30.40	+0.12	43	40	- 0	HW	2	bc	1	0.6c	50	42	-	
	Jersey (St. Aubin's)	30.25	47	WSW	3	ogm	30.36	+0.06	47	43	+ 3	W	3	c	3	0.6c	48	44	0.01	
	Hurst Castle ...	30.18	46	W	3	cm	30.35	+0.07	41	39	- 3	WSW	4	bc	2	0.6c	48	37	0.02	
	Duness ...	30.10	45	W	5	c	30.26	+0.05	42	40	+ 1	W	3	b	1	0.6c	49	36	-	
	North Foreland	30.08	52	WSW	3	0	30.22	+0.03	42	39	- 3	HW	4	bc	3	0.6c	58	40	-	
	London ...	30.12	53	W	2	bc	30.29	+0.06	42	38	+ 1	HW	2	b	4	0.6c	60	38	-	
	Oxford ...	30.13	46	W	2	b	30.30	+0.07	39	36	- 2	W	3	b	4	0.6c	57	38	-	
	Cambridge ...	30.06	53	S	3	c	30.26	+0.03	40	38	- 2	WSW	3	b	4	0.6c	61	34	-	
FRANCE AND BELGIUM.	Yarmouth ...	30.02	54	W	3	bcm	30.13	-0.04	41	39	- 1	WSW	5	b	3	0.6c	57	37	-	
	Cuxhaven ...	29.98	41	SW	4	0	29.79	-0.38	40	39	+ 3	WSW	6	b	4	0.6c	45	37	-	
	Berlin ...	30.02	40	SW	2	0	29.67	-0.49	43	42	+ 7	W	6	c	4	0.6c	43	36	0.08	
	Wiesbaden ...	30.04	38	W	0	0	30.04	-0.26	45	42	+ 6	HW	5	bc	4	0.6c	52	36	-	
	Munich ...	30.06	38	W	0	0	30.04	-0.23	45	42	+ 9	SW	6	bc	4	0.6c	46	36	0.04	
	The Helder ...	30.00	41	SW	5	f	30.06	-0.13	41	38	+ 1	WSW	7	b	4	0.6c	46	37	-	
	Brussels (9 a.m.)	30.10	45	SW	4	m	30.16	-0.04	42	38	- 0	WSW	4	b	4	0.6c	55	39	-	
	Cape Gris Nez	30.10	45	SW	4	m	30.16	-0.02	42	39	- 1	HW	3	bc	3	0.6c	46	39	-	
	Paris ...	30.20	54	SW	2	bc	30.25	-0.06	45	43	+ 6	HW	2	c	4	0.6c	58	39	-	
	Brest ...	30.20	50	W	3	0	30.20	-0.06	48	47	+ 3	HW	3	c	3	0.6c	55	39	-	
PENINSULA.	Lorient ...	30.23	52	WSW	3	c	30.28	+0.04	47	45	+ 4	HW	4	bc	2	0.6c	61	43	-	
	Rochefort ...	30.15	60	HW	3	b	30.21	+0.02	47	45	+ 1	HW	2	bc	4	0.6c	68	45	-	
	Belfort ...	30.19	54	HW	4	b	30.22	-0.05	44	37	- 0	W	1	b	4	0.6c	61	41	-	
	Lyons ...	30.06	56	SW	1	b	30.12	+0.13	46	42	- 5	W	0	b	4	0.6c	66	45	-	
	Nice ...	30.09	63	SE	2	b	30.18	+0.08	44	39	- 16	SW	2	b	4	0.6c	77	42	-	
	Perpignan ...	30.13	57	W	0	b	30.18	+0.03	52	50	+ 6	W	3	0	2	0.6c	63	46	-	
	Biarritz ...	30.13	57	W	0	b	30.18	+0.03	52	50	+ 6	W	3	0	2	0.6c	63	46	-	
	Corunna ...	29.98	63	HW	4	b	29.94	-0.12	57	52	+ 3	HW	4	c	4	0.6c	70	54	-	
	Lisbon ...	29.98	63	HW	4	b	29.94	-0.12	57	52	+ 3	HW	4	c	4	0.6c	70	54	-	
	Lisbon ...	29.98	63	HW	4	b	29.94	-0.12	57	52	+ 3	HW	4	c	4	0.6c	70	54	-	

For Explanation of Columns, see bottom of last page

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 10th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 6 to 7; → forces 4 to 5;

→ dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

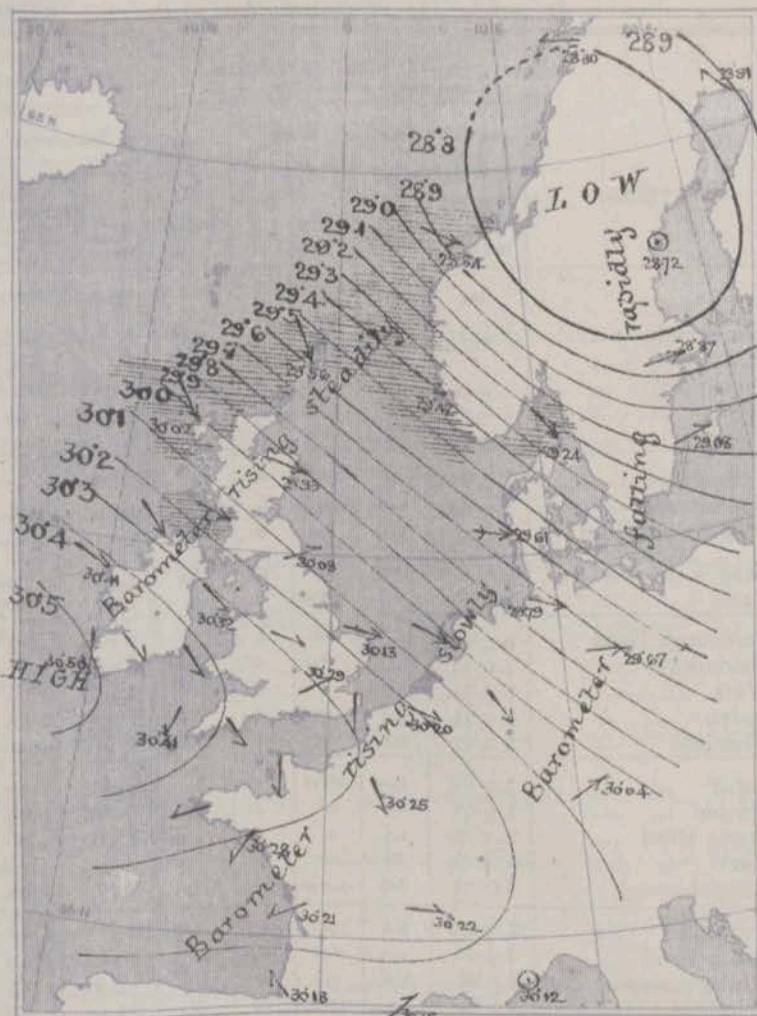
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.835
Leith	29.858
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.981
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	42.6	33.0	38.3	30.0	2.79
Stornoway	44.0	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.0	38.0	36.2	1.08
Aberdeen	45.4	31.4	38.5	36.5	2.33
Leith	47.0	34.0	39.5	37.7	1.41
Shields	45.9	33.2	39.4	37.8	1.74
Spurn Head	44.7	35.0	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.64
Ardrossan	46.3	30.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.0	42.0	40.5	2.47
Liverpool	47.0	36.8	40.2	38.2	1.73
Parsonstown	49.8	33.0	40.4	38.8	2.32
Valencia	51.1	40.2	44.9	42.8	1.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.0	39.1	42.1	40.3	2.40
Scilly	49.5	42.5	46.0	41.2	2.40
Prawle Point	48.1	37.7	42.0	41.2	1.95
Jersey	46.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.3	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.43
Oxford	49.0	34.5	38.9	37.4	1.60
Cambridge	50.2	33.9	38.9	37.5	1.40
Yarmouth	45.2	34.0	40.2	38.0	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in. to 30.2 in. over Ireland, England, France, and the Bay of Biscay.
lowest, 28.8 in. and less, in a large depression lying over the northern half of Scandinavia.
Gradients decidedly steep over Norway, Denmark and the North Sea, moderate over England, slight over Ireland, the Bay of Biscay and France.
Barometer rising except over Sweden, Finland, and the Baltic, where it was falling fast.

TEMPERATURE

Highest, 51° at Linton, 52° at Biarritz, and above 40° at most of the Scotch stations.
lowest, 17° at Haparanda, 25° at Borö, 28° at Helsingfors, 33° at Stockholm; 36° at Larne, 37° at Valence (Ireland).
It has fallen decidedly in Scotland and Ireland, but risen rapidly over Sweden, and considerably over Germany.

WIND

NW^{ly} in most places - moderate over Ireland and England, strong to a gale in Scotland and on the eastern shores of the North Sea. It is W^{ly} fresh to strong over the southern parts of Sweden, SE^{ly} to E^{ly} (light) over Lapland.
A strong gale from the NW^{ly} has been blowing over Scotland.

WEATHER

Fine over the eastern and southern countries, equally over Scotland, with hail showers at Wick; snow is falling over all the northern parts of Scandinavia, rain at Stockholm and also at Munich.
A little rain fell in the northern parts of Scotland and Ireland yesterday, and some slight deposition from wet fog is reported in the southwest of England. Over Scandinavia the rainfall (rain and snow) was heavier.

SEA

Very rough in the north, moderate in most other places, slight in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression is moving eastwards, and the gale in the north is dying down. In the south fine weather is still probable, but with colder weather tonight than we have had recently.

FORECASTS

For the 24 hours ending at NOON on 11th March, 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} gales, moderating gradually with improving weather. Cold tonight.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W ^{ly} and NW ^{ly} winds, moderate; fair. Cold tonight.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW ^{ly} breezes, moderate to light; fine. Cold and perhaps foggy tonight.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ^{ly} winds, fresh to moderate; fair as a whole.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N ^{ly} and NE ^{ly} winds, moderate; fine.
9	IRELAND NORTH	NW ^{ly} and N ^{ly} breezes, moderate; fine.
10	IRELAND SOUTH	

WARNINGS

The NORTH CONE is still flying in district 0 and 1.

Note. The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.55	43	42	W	4	0	4	Valencia ...	30.29	51	50	W	3	o g m	4
Samburgh Head ...	29.38	46	43	W	7	c	7	Scilly ...	30.26	49	48	W	3	c	4
Stornoway ...	29.77	49	49	W	5	bc	5	Jersey ...	30.28	47	46	W	2	f	2
Aberdeen ...	29.73	57	48	W	6	lg	3	Hurst Castle ...	30.23	47	46	W	3	cm	2
Shields ...	29.92	52	49	W	5	c g	2	Dungeness ...	30.14	46	45	W	3	f	4
Ardrossan ...	29.96	49	47	W	4	0	3	North Foreland ...	30.10	55	52	W	1	b	3
Malin Head ...	30.01	48	46	W	5	e	3	London ...	30.15	59	52	W	3	c	*
Mullaghmore ...	30.13	49	47	W	5	c	4	Yarmouth ...	30.05	46	50	W	4	bc	3
Behmullet ...	30.18	50	46	W	4	0	4	Rochefort ...	30.17	63	57	W	3	b	*
Holyhead ...	30.44	52	49	W	3	c	2								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine over the greater part of England, France, southern Europe and Algeria, as well as at many of the Baltic stations. Dull over Ireland, Scotland, Scandinavia and the central and eastern parts of the Continent; rain falling in the Shetlands, Hebrides, and at Skudersnaes, and snow at St. Petersburg, Moscow, Kiev, Lemberg, and Ruda Reth. Showers of rain or hail falling later in the extreme north and northwest of our Islands, and heavy snow in some parts of Scandinavia.

Temperature risen in the west and north of our Islands, as well as over Norway and the greater part of southern Europe, but fallen elsewhere. Morning readings highest 68° at Barcelona, 61° at Oran, and 60° at Algiers and Algiers; above 50° at most of the Mediterranean and Spanish coast stations and just reaching that point in the north of Scotland and the southeast of Ireland. Lowest -25° F. at Archangel, -18° at Kuopio, -14° at Haparanda and -13° at Uleaborg, below zero over the northern part of Sweden and Russia generally; below the freezing point over Poland and eastern Germany. Rising during day to between 60° and 63° at some of the English stations and to 59° even as far north as Aberdeen. Exceeding 65° in the west and south of France and reaching 77° at Algiers.

Wind strong from the Wnd in the north of Scotland, but light or moderate from the SWnd in most other parts of the United Kingdom as well as in Denmark and the Netherlands, Sth or SEth in Scandinavia, with a gale at Skudersnaes. Light from the NEnd on the southern shore of the Baltic, and from the NWnd or NWnd over Austria, and the central and southern parts of Russia. Eth in the west and south of France, NEth in Spain, and Nth in Italy, but Sth at most of the Algerian stations. Subsequently increasing to a strong gale from the Wnd or NWnd in the west and north of Scotland.

Barometer highest 30.1 ins. to 30.3 ins. in a large anticyclone covering Ireland, England, Spain, France, Germany, and the Baltic. Lowest 29.3 ins. and less in a depression travelling eastwards across Central Russia; 29.5 ins. and less, in another disturbance approaching Scandinavia from the Westward. Latter system moving eastwards during day and gradient becoming steep over the North Sea and the northern part of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 11th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		SHADE TEMP.			Wind.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.		
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.	Min.							
Inch.	°			Inch.	°	°	°					°	Inch.							
SCANDINAVIA.	Haparanda ...	29.01	32	W	4	c	29.38	4.47	17	16	0	W	4	c	4	21	5	0.16		
	Hernösand ...	29.09	32	W	4	c	29.60	4.88	24	22	0	W	4	b	4	36	19	0.04		
	Stockholm ...	29.15	33	W	6	0	29.56	4.69	30	25	5	W	4	b	4	41	25	0.04		
	Wisby ...	29.22	32	W	6	b	29.56	4.48	30	28	5	W	8	c	4	36	30	0.04		
	Bodö ...	29.25	28	W	6	c	29.54	4.74	24	22	1	W	4	c	2	34	16	0.04		
	Christiansund...	29.59	32	W	8	S	29.82	4.98	29	28	5	W	5	c	6	34	28	0.08		
	Skudesnaes ...	29.83	32	W	7	c	29.99	4.57	29	27	7	W	0	c	3	36	27	0.04		
	Christiania Fjord (Farder)	29.47	33	W	4	b	29.89	4.74	29	25	7	W	4	b	2	39	28	0.04		
	Skagen (The Scaw)	29.51	35	W	6	b	29.92	4.68	33	30	4	W	5	b	5	37	32	0.04		
	Fanö ...	29.86	35	W	6	c	30.04	4.43	33	31	4	W	5	b	4	41	32	0.04		
BRITISH ISLANDS.	Sumburgh Head	29.96	34	W	5	0	29.63	4.07	41	41	6	W	4	c	5	41	34	0.17		
	Stornoway ...	30.15	45	W	3	c	29.70	4.32	48	46	7	W	7	0	6	48	38	0.10		
	Wick ...	30.06	39	W	5	0	29.69	4.09	45	43	9	W	3	0	4	45	34	0.15		
	Nairn ...	30.14	42	W	3	c	29.79	4.16	44	42	5	W	3	0	3	45	35	0.03		
	Aberdeen ...	30.12	40	W	4	b	29.90	4.03	41	39	1	S	3	0	3	45	37	0.02		
	Leith ...	30.22	45	W	2	b	30.00	4.02	42	41	1	W	4	0	4	52	40	0.02		
	Shields ...	30.22	46	W	4	b	30.10	4.02	44	41	1	W	4	0	2	51	38	0.02		
	Spurn Head ...	30.23	43	W	3	b	30.23	4.13	40	39	2	W	4	0	3	48	37	0.02		
	York ...	30.26	47	W	1	b	30.22	4.08	41	39	2	W	2	0	4	53	36	0.02		
	Loughborough	30.33	44	W	3	b	30.31	4.06	40	38	1	W	2	0	4	50	36	0.02		
GERMANY & HOLLAND.	Ardrossan ...	30.28	45	W	3	0	30.05	4.08	43	42	1	W	6	0	4	48	39	0.03		
	Malin Head ...	30.30	44	W	4	0	30.01	4.23	45	42	1	W	6	0	4	47	42	0.02		
	Mullaghmore ...	30.34	46	W	3	c	30.08	4.28	43	41	2	W	5	0	4	49	40	0.02		
	Belmullet ...	30.36	47	W	3	c	30.10	4.31	48	45	3	W	4	0	4	49	43	0.02		
	Donaghadee ...	30.34	46	W	4	c	30.14	4.13	41	40	1	W	5	0	3	51	40	0.02		
	Liverpool (Bidston)	30.36	43	W	4	c	30.26	4.01	40	38	2	W	2	0	4	47	37	0.01		
	Holyhead ...	30.37	46	W	2	b	30.23	4.09	44	42	0	W	4	0	4	49	42	0.01		
	Parsonstown ...	30.39	48	W	0	c	30.21	4.21	35	34	1	W	0	0	4	51	33	0.01		
	Valencia ...	30.45	47	S	2	b	30.25	4.25	46	44	9	S	2	0	2	53	36	0.01		
	Roche's Point	30.44	48	W	2	b	30.25	4.11	45	43	5	W	3	0	3	55	40	0.01		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.42	45	W	1	b	30.81	4.09	44	44	1	S	3	0	2	47	40	0.01		
	Scilly ...	30.44	47	W	4	b	30.31	4.10	47	45	0	S	4	0	3	49	42	0.01		
	Prawle Point ...	30.40	44	W	2	b	30.37	4.03	46	44	3	S	2	0	3	56	37	0.01		
	Jersey (St. Aubin's)	30.41	46	W	3	b	30.37	4.01	45	42	2	E	3	0	3	50	35	0.01		
	Hurst Castle ...	30.38	48	W	2	b	30.38	4.03	39	37	2	W	2	0	1	54	32	0.01		
	Dungeness ...	30.28	50	W	3	b	30.36	4.10	39	37	3	W	1	0	0	52	32	0.01		
	North Foreland	30.30	45	W	2	b	30.34	4.12	40	38	2	W	1	0	2	50	35	0.01		
	London ...	30.34	48	W	3	b	30.36	4.07	40	37	2	W	1	0	2	52	32	0.01		
	Oxford ...	30.39	42	W	1	b	30.36	4.06	38	36	1	W	1	0	2	53	32	0.01		
	Cambridge ...	30.32	45	W	3	b	30.35	4.09	36	35	4	S	1	0	2	54	31	0.01		
PENINSULA.	Yarmouth ...	30.21	46	W	4	b	30.30	4.17	37	36	4	W	2	0	3	50	33	0.01		
	Cuxhaven ...	29.73	36	W	6	b	30.00	4.33	34	31	9	W	5	0	4	45	34	0.16		
	Berlin ...	30.36	38	W	4	b	30.36	4.32	38	35	7	W	1	0	4	50	37	0.08		
	Wiesbaden ...	30.30	38	W	4	b	30.30	4.26	35	32	10	W	6	0	4	50	34	0.08		
	Munich ...	30.12	41	W	6	b	30.33	4.27	40	39	1	W	1	0	2	43	39	0.08		
	The Helder ...	30.27	41	W	6	b	30.33	4.27	40	39	1	W	1	0	2	43	39	0.08		
	Brussels (9 a.m.)	30.25	47	W	1	m	30.30	4.14	40	39	2	W	1	0	1	50	37	0.01		
	Cape Gris Nez	30.35	49	W	2	b	30.43	4.18	32	32	13	W	1	0	1	50	31	0.01		
	Paris ...	30.35	50	W	3	b	30.43	4.18	32	32	13	W	1	0	1	50	31	0.01		
	Brest ...	30.34	51	W	5	b	30.33	4.05	40	37	7	E	5	0	2	54	39	0.01		

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Saturday, 11th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough — High.

MEAN HEIGHT OF THE BAROMETER

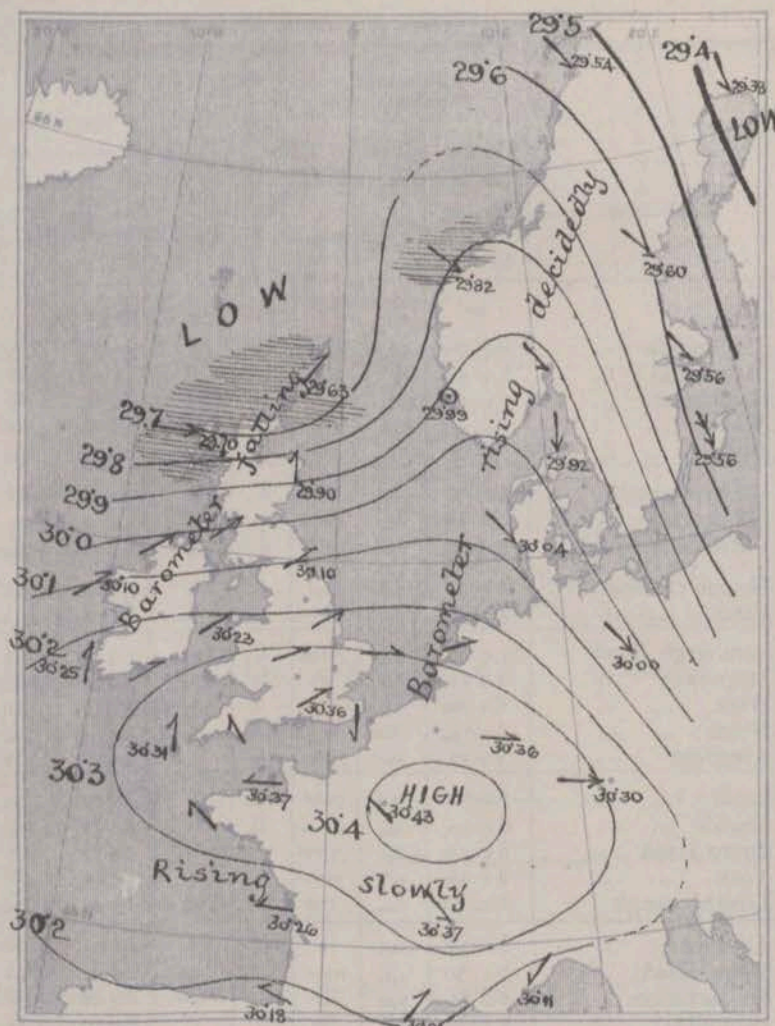
at 8.0 a.m. for the month of March.

During the 20 Years, 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.838
Shields	29.880
Spurn Head	29.906
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.881
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.926
Valencia	29.925
Rocha's Point	29.927
Pembroke	29.920
Selly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	42.6	35.9	38.3	36.9	2.79
Stornoway	44.2	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	46.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.3	37.7	1.41
Shields	45.2	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.2	39.7	38.4	1.22
York	45.1	34.0	38.5	37.0	1.78
Loughborough	49.3	34.2	39.0	37.3	1.64
Ardrossan	45.3	36.3	40.1	38.5	2.44
Mullaghmore	47.4	35.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.2	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Rocha's Point	49.7	39.6	43.3	41.6	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Selly	49.5	42.5	45.0	41.2	2.10
Prawle Point	48.1	37.7	42.5	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.9	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.88
LONDON	50.0	35.4	40.1	38.2	1.40
Oxford	49.0	34.5	38.0	37.1	1.59
Cambridge	50.2	37.0	38.9	37.6	1.40
Yarmouth	45.2	34.9	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and more to 30.2 in. in a well-formed anticyclone covering France, the Bay of Biscay, and the southern parts of our Islands.
 Lowest, 29.4 in. and less, to 29.6 in. over Ireland and the Baltic, and 29.7 in. and less, off our extreme northern coasts.
 Gradient moderately steep over our northern districts, slight in the south, very slight over France.
 Barometer falling in the north and west, rising in the far east, and over Germany and France.

TEMPERATURE

Highest, 56° at Lisbon, 49° at Hovouray, 48° to 45° in the extreme west of Ireland.
 Lowest, 17° to 24° over Lapland and the northern parts of Sweden, 35° to 41° over the inland parts of England, 31° at Paris.
 Sharp frost occurred on the ground early this morning over our midland and eastern counties, and at Cambridge there was frost in the shade also.

WIND

Very light and variable (anticyclonic) over our southern counties and France, - moderate E^{ly} over the Bay of Biscay, moderate to strong from SW. at the Irish and Loch stations; strong to a gale from N. and NW. over the countries lying to the eastward of the North Sea and over the Baltic.

WEATHER

Fine and dry at almost all stations, but dull in the extreme west and north of our Islands, rainy at Lumburgh H^d.
 snowy at Christiansund.
 A little rain has fallen in Scotland and the north of Ireland, and at some of the Scandinavian and German stations.

SEA

Still rough in the north, moderate in the northwest, slight or smooth on our other coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving steadily to the southward, and lower pressures are spreading over the Kingdom from the Atlantic.

FORECASTS.

For the 24 hours ending at NOON on 12th March, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | W ^{ly} and SW ^{ly} winds, strong; squally, showery. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ^{ly} winds, fresh, some showers, bright intervals. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | SW ^{ly} winds, light, fine.
Less cold to night than last night. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | Same as N. O. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | SW ^{ly} and S ^{ly} winds, increasing; rain at times. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | S ^{ly} and SW ^{ly} winds, strong, squally and showery in west, finer in east. |

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is isolated in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is isolated in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

THER.								THER.								WIND.								F.								WEA.								SEA.															
BAR.								THER.								THER.								WIND.								F.								WEA.								SEA.							
Dry.								Wet.								WIND.								F.								WEA.								SEA.															
Skudermoes ...								29.64	36	34	rtw	8	c	6	Valencia ...								30.48	50	45	rtw	1	bm	2																										
Sumburgh Head								29.88	35	32	rtw	5	c	6	Scilly ...								30.43	48	44	rtw	4	bc	3																										
Stornoway ...								30.13	46	43	rtw	6	bc	6	Jersey ...								30.42	49	43	rtw	3	b	3																										
Aberdeen ...								30.08	44	38	rtw	8	bcg	5	Hurst Castle ...								30.86	54	49	rtw	4	bm	2																										
Shields ...								30.17	49	44	rtw	6	c	3	Dungeness ...								30.30	52	45	rtw	3	bc	2																										
Ardrossan ...								30.23	48	44	rtw	4	c	3	North Foreland ...								30.25	50	45	rtw	5	b	4																										
Malin Head ...								30.32	44	42	rtw	3	c	3	London (Western Dock) ...								30.32	50	44	w	2	b	*																										
Mullaghmore ...								30.40	48	44	w	4	cm	5	Yarmouth ...								30.16	49	44	rtw	6	bcg	4																										
Behmullet ...								30.41	49	44	w	3	bc	*	Rochefort ...								30.23	54	52	rtw	4	o	*																										
Holyhead ...								30.38	48	46	rtw	3	b	2																																									

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine over the greater part of Western and Southern Europe, but showery in the extreme north and northwest of our Islands, with hail at Wick. Dull and unsettled over the northern, central and eastern countries, with snow over nearly the whole of Scandinavia, Finland, and the Baltic Provinces, and with rain at New Pahrwasser and Munich. Improvement taking place later over Scandinavia and the north of Scotland. No important change observed elsewhere.

Temperatures fallen in our Islands and Norway, as well as in Italy, Austria, and the central and southern parts of Russia, risen elsewhere — rapidly over Sweden, Finland, and the Baltic. Morning readings highest 61° at Barcelona, 59° at San Fernando, 58° at Algiers, 57° at Lisbon, Cagliari, and Nemours. Lowest — 24° F. at Archangel, — 8° at Moscow, + 6° at Kiev and Kharkov, and 14° at Kuopio; below the freezing point in most parts of northern and eastern Europe, and below 40° in many parts of Ireland and Scotland. Rising during day to 50° or a little above in all but the extreme northern and northwestern parts of the United Kingdom; exceeding 60° over the southern parts of France and reaching 73° at Perpignan.

Wind strong from the Wnd or NWnd over Norway, Denmark, North Germany, and the northern and eastern parts of our Islands and from the SWnd or Snd over Ireland and the Baltic Provinces, with moderate to fresh gales in many places; SE³ or E³ in the north of Scandinavia; light from the Nnd at the Channel stations, from the NEnd over the Bay of Biscay and Spain, N³ or NW³ over Italy, Austria, and the south of Russia; variable in Algeria. Wind subsiding later over the North Sea and on our northern coasts, and backing to the SWnd in the west of Ireland.

Barometer highest 30.5 ins. and upwards in an area lying off the southwest of Ireland; 30.2 ins. and upwards in an anticyclone covering the greater part of Ireland, England, and France, and also in another system lying over the south of Russia. Lowest 28.8 ins. and less, in a large depression over Scandinavia; surrounding gradients steep. Depression subsequently moving eastwards, but new disturbances beginning to approach our western coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 12th March

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.				
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Weather.	Max.	Min.							
Inch.	°			Inch.	°	°	°	°					°	Inch.							
SCANDINAVIA.	Haparanda ...	29.55	-4	NW	2	b	29.44	+0.6	5	3	-12	L	0	0	#	b	19	-9	—		
	Hernösand ...	29.58	23	SW	4	0	29.25	-0.35	24	23	0	S	2	0	#	0	34	19	0.08		
	Stockholm ...	29.46	26	SW	2	0	29.47	-0.04	32	32	+	2	WSW	2	0	#	0	36	21	0.04	
	Wisby ...	29.36	29	N	4	0	29.45	-0.11	34	33	+	4	W	4	0	#	0	34	19	0.20	
	Bodö ...	29.42	23	W	1	bc	29.20	-0.34	19	17	-5	NE	2	b	1	bc	27	16	—		
	Christiansund...	29.16	38	SSW	8	r	29.16	-0.66	40	38	+	11	WSW	9	r	7	r	29	0.57		
	Skudesnaes ...	29.36	41	WSW	6	0	29.53	-0.46	40	39	+	11	WSW	4	r	4	50	41	—		
	Christiania Fjord (Færdar)	29.54	34	SSW	8	0	29.42	-0.47	35	34	+	6	SW	5	c	3	0	36	24	—	
	Skagen (The Scaw)	29.73	35	SW	4	c	29.55	-0.37	38	38	+	5	NW	4	f	4	c	37	30	0.04	
	Fanö ...	29.89	38	WSW	6	0	29.79	-0.25	39	38	+	6	WSW	4	f	#	0	39	32	—	
BRITISH ISLANDS.	Sumburgh Head	29.43	44	WNW	4	0	29.34	-0.24	42	40	+	1	W	3	0	5	0	46	35	0.18	
	Stornoway ...	29.64	48	W	4	0	29.42	-0.28	48	48	+	0	W	4	r	4	10	49	41	0.25	
	Wick ...	29.57	47	NW	5	0	29.43	-0.26	47	46	+	2	WNW	4	0	3	0	52	42	0.10	
	Nairn ...	29.63	50	WSW	3	c	29.50	-0.29	47	45	+	3	SW	2	c	1	c	53	42	—	
	Aberdeen ...	29.71	47	SW	5	bc	29.57	-0.31	44	42	+	3	SW	5	c	4	09.0c	50	41	—	
	Leith ...	29.84	45	W	4	0	29.68	-0.32	45	45	+	3	W	4	c	#	0	45	40	—	
	Shields ...	29.95	45	SSW	4	c	29.76	-0.34	42	40	-2	SSW	1	bm	2	0c	50	34	—		
	Spurn Head ...	30.03	46	SSW	4	bc	29.88	-0.35	43	41	+	3	W	3	b	3	bc	45	37	—	
	York ...	30.05	49	S	2	b	29.86	-0.36	42	37	+	1	S	1	b	#	0	51	37	—	
	Loughborough	30.14	51	SSW	2	c	29.97	-0.34	40	38	0	SSE	1	bw	#	c	55	35	—		
GERMANY & HOLLAND.	Ardrossan ...	29.94	45	S	3	0	29.71	-0.34	44	43	+	1	S	4	0	3	0	45	42	—	
	Malin Head ...	29.88	47	SW	5	0	29.68	-0.38	46	44	+	1	SSW	5	0	3	0	50	45	—	
	Mullaghmore ...	29.97	48	SSW	5	0	29.69	-0.39	45	43	+	2	SW	5	og	4	og	49	42	—	
	Belmullet ...	29.96	49	SSW	6	0	29.67	-0.43	48	46	0	SW	5	0	#	0	49	45	—		
	Donaghadee ...	29.99	49	WSW	5	bc	29.78	-0.36	41	40	0	WSW	5	c	3	bc	51	40	—		
	Liverpool (Bldston)	30.09	47	SSW	2	bc	29.87	-0.37	43	40	+	3	E	2	b	1	bc	52	40	—	
	Holyhead ...	30.09	45	SW	5	cq	29.84	-0.39	46	44	+	2	SW	3	b	3	bc	48	43	—	
	Parsonstown ...	30.03	51	L	0	b	29.77	-0.44	39	38	+	4	L	0	0	#	0	54	34	—	
	Valencia ...	30.06	48	S	4	c	29.77	-0.48	49	49	+	3	S	2	ogm	3	cq	50	45	0.01	
	Roche's Point	30.12	48	SW	3	c	29.80	-0.45	49	47	+	4	SW	4	cw	3	c	51	44	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.16	47	S	4	b	29.88	-0.43	46	45	+	2	SSE	4	bm	4	b	44	43	0.01	
	Scilly ...	30.17	49	S	4	bc	29.89	-0.42	50	48	+	3	SSE	4	b	4	b	53	45	—	
	Prawle Point ...	30.23	44	ESE	1	b	29.98	-0.39	49	46	+	3	ESE	3	bm	2	b	57	37	—	
	Jersey (St. Aubin's)	30.27	52	SE	2	b	30.02	-0.35	50	44	+	5	ESE	4	bm	3	bm	55	42	—	
	Hurst Castle ...	30.26	47	SW	2	b	30.04	-0.34	47	44	-8	S	3	bm	1	bc, bm	52	37	—		
	Dungeness ...	30.28	46	WSW	3	bc	30.05	-0.31	46	45	+	7	SW	3	bc	2	bc	51	38	—	
	North Foreland	30.20	47	SW	1	b	30.06	-0.28	48	43	+	8	SW	1	b	3	b	57	30	—	
	London ...	30.23	48	SW	2	bc	30.04	-0.32	45	41	+	5	SSW	2	bw	#	bc	50	35	—	
	Oxford ...	30.20	44	SSW	4	b	30.01	-0.35	43	40	+	5	S	1	b	#	b	50	37	—	
	Cambridge ...	30.18	49	S	3	b	30.00	-0.35	40	38	+	4	S	1	b	#	b	50	38	—	
PENINSULA.	Yarmouth ...	30.15	49	SW	3	bc	29.95	-0.32	43	42	+	6	WSW	4	b	3	bc	51	35	—	
	Cuxhaven ...	30.14	41	W	3	c	29.94	-0.02	40	39	+	8	W	4	b	#	c	43	38	—	
	Berlin ...	30.22	37	L	0	c	29.98	-0.13	35	33	+	3	NW	2	bc	#	c	43	36	—	
	Wiesbaden ...	30.38	34	SW	4	b*	30.23	-0.13	35	33	+	3	NW	2	bc	#	c	48	32	—	
	Munich ...	30.38	34	SW	4	b*	30.27	-0.13	38	36	+	2	SW	4	bc	#	b	41	28	—	
	The Helder ...	30.46	42	SW	5	b	30.23	-0.30	42	40	+	2	SW	5	b	3	b	45	39	—	
	Brussels (O.A.M.)	*	*	*	*	*	30.14	-0.14	44	38	+	6	SSW	3	b	#	c	51	37	—	
	Cape Gris Nez	30.24	45	SW	2	bc	30.04	-0.26	42	40	+	2	SW	3	bc	3	bc	50	39	—	
	Paris ...	30.33	49	SE	2	b	30.16	-0.25	32	32	0	SE	1	b	#	b	55	31	—		
	Brest ...	?	54	SE	2	b	?	?	47	42	+	6	SE	3	b	2	b	59	37	—	
GERMANY & HOLLAND.	Lorient ...	30.19	54	ESE	5	b	29.98	-0.25	44	41	+	4	E	5	b	2	b	57	39	—	
	Rocheport ...	30.16	56	E	3	b	30.01	-0.25	41	48	+	2	ESE	3	b	#	b	64	37	—	
	Belfort ...	?	48	E	1	b	?	?	40	35	+	1	E	2	b	#	b	50	31	—	
	Lyons ...	30.29	50	N	3	b	30.22	-0.15	40	35	+	1	E	1	b	#	b	54	34	—	
	Nice ...	30.13	53	SSW	1	b	30.23	+0.12	51	40	+	7	E	1	b	0	b	61	45	—	
	Perpignan ...	30.19	58	E	1	b	30.19	-0.02	37	35	-5	SW	1	bc	#	b	72	34	—		
	Biarritz ...	30.07	64	ESE	5	c	29.99	-0.19	48	45	+	2	E	4	b	2	c	68	45	—	
	Corunna ...	*	*	*	*	*	29.80	-0.12	63	56	+	4	SSW	3	c	1	*	70	50	—	
	Lisbon ...	29.89	59	SE	3	b*	29.87	-0.07	55	53	-1	ESE	3	0	*	*	64	54	—		

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Sunday, 12th March 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10 → forces 8 to 10,
→ forces 5 to 7 → forces 1 to 4,
dual calm.

SEA DISTURBANCE—Where considerable, is shown thus

— Rough — High

MEAN HEIGHT OF THE BAROMETER

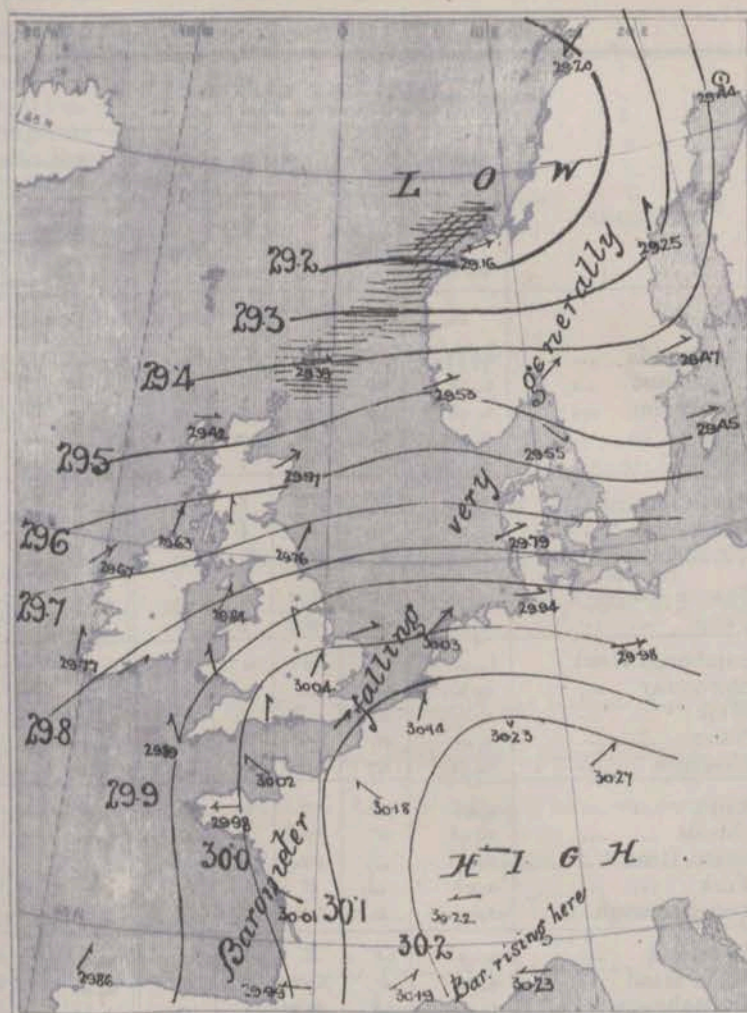
at 8 a.m. for the month of March

During the 20 Years 1871-1890

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Sarnoway	29.778
Wick	29.798
Nairn	29.810
Aberdeen	29.828
Leith	29.858
Shields	29.880
Spurn Head	29.906
York	29.908
Loughborough	29.932
Ardrrossan	29.865
Mullaghmore	29.871
Donaghadee	29.881
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.947
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.958
LONDON	29.950
Oxford	29.961
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by letters of the Beaufort Scale.

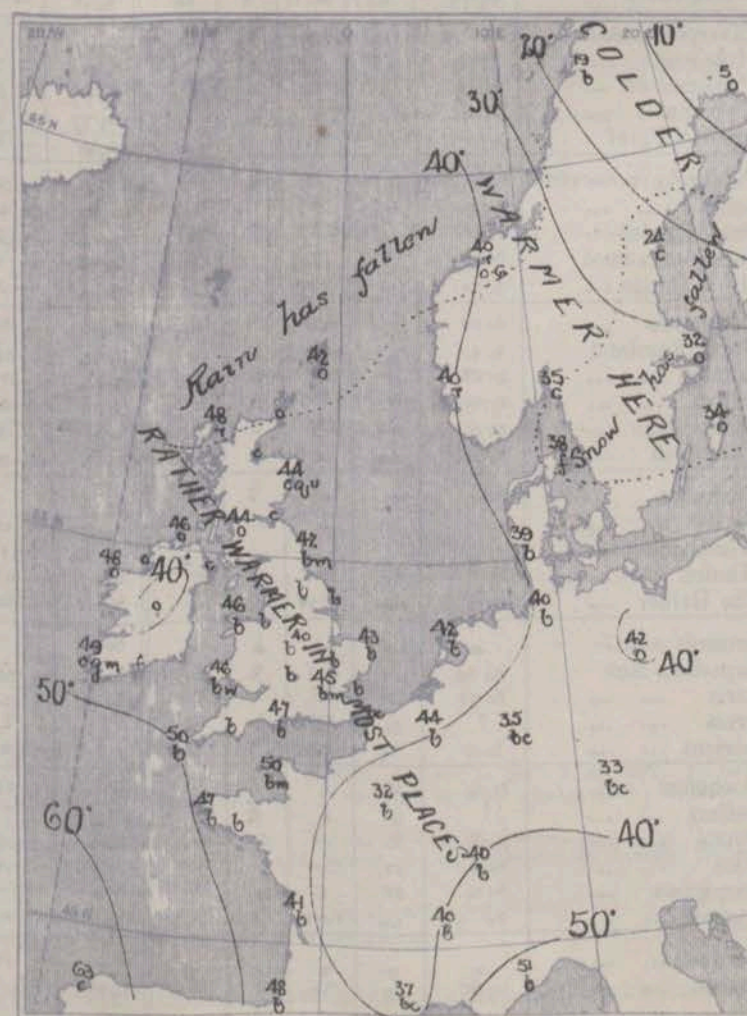
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Temp.	Wind.	
Sumburgh Head	42.6	33.9	38.5	36.9	2.70
Sarnoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.78
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	34.2	39.0	37.3	1.64
Ardrrossan	46.3	36.0	40.1	38.5	2.44
Mullaghmore	47.0	38.4	41.0	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	38.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.38
Valencia	51.1	40.2	41.9	42.8	1.20
Roche's Point	49.7	39.0	43.3	41.6	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	49.5	42.5	45.0	41.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.0	44.0	42.0	2.35
Hurst Castle	47.8	37.2	41.0	40.1	1.88
Dover	46.4	36.0	40.7	39.2	1.83
LONDON	50.0	35.1	40.1	35.2	1.40
Oxford	49.0	34.5	38.9	37.4	1.69
Cambridge	50.2	33.0	38.9	37.5	1.10
Yarmouth	45.2	34.0	40.2	38.6	1.82

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and more to 30.0 ins: over Switzerland, South Germany, France, and the southeast of England.
Lowest, 29.2 ins: and less, in a depression over the northern half of Norway and adjacent parts of the Atlantic; 29.5 ins: to 29.4 ins: over the north of Scotland and the Orkneys.

Gradients slight over France, moderate elsewhere, and mainly favourable for W³ to S³ winds.
Barometer falling generally and decidedly, most in the north and east.

TEMPERATURE

Highest, 63° at Oporto and Genoa, 50° at Scilly and Jersey, 49° in the south of Ireland and at Brandenburg, 48° at Mull of Thorneay.
Lowest, (1) 5° at Naparandoo, 19° at Rode, 24° at Hunsand; (2) 32° at Paris, 35° at Wiesbaden.

It had been up to between 53° and 57° over England yesterday, but sank to much below 40° in the night (33° at Cambridge) and sharp frost occurred on the grass.

WIND

Light E² over France, Moderate E² over the Bay of Biscay, SE³ on our southwestern coasts, S³ over England, SW³ at our northern stations and W² over Scotland and the North Sea.

A gale from WSW is reported at Christiansund, but a light NE³ breeze at Wick.

WEATHER

Very fine over France and England, cloudy or overcast in Ireland and Scotland, with rain at Thorneay, and a squally threatening condition at Aberdeen. Rain is falling both at Skudenes and Christiansund.

A measurable quantity of rain has fallen over Scandinavia and the north of Scotland, and there was a slight deposition of dew in the south of Ireland.

SEA

Moderate in the southwest and north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 13th March, 1893.

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

None issued

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

WARNINGS

FORECASTS.

None issued

At 1 pm yesterday to districts 0, 6, and parts of 9 and 10 Hoist SOUTH CONE.

Note. The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	24.76	35	34	SSE	8	s	4	Valencia ...	30.16	50	47	S	4	cg	4
Sumburgh Head ...	24.41	45	44	WSW	4	o	5	Scilly ...	30.32	53	49	S	4	b	3
Stornoway ...	24.64	48	48	W	7	r	6	Jersey ...	30.30	50	45	SE	3	b	3
Aberdeen ...	24.73	50	45	SW	5	cg	3	Hurst Castle ...	30.31	50	47	WSW	3	bcm	1
Shields ...	24.98	47	44	SW	6	o	2	Dungeness ...	30.30	50	47	WSW	3	b	2
Ardrossan ...	24.96	45	44	SW	3	o	3	North Foreland ...	30.26	57	56	SW	3	b	2
Malin Head ...	24.86	50	46	WSW	7	o	4	London ...	30.27	56	47	SW	3	b	3
Mullaghmore ...	30.03	49	45	SW	6	og	5	Yarmouth ...	30.21	51	45	WSW	4	b	3
Belmullet ...	30.02	49	46	SW	6	o	5	Rochefort ...	30.24	61	61	E	4	b	4
Holyhead ...	30.16	47	45	SW	5	bcp	5								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine and dry over the greater part of western and southern Europe, but dull in Scotland, and the west and north of Ireland, with rain in the Shetlands. Dull in Russia and several parts of Germany, with snow at Kuopio, Itzehoe, Bregue, Cracow, and Limburg. Rain falling later in Scandinavia and the north of Scotland, - heavily at Christiansund. Considerable falls taking place also at some of the Spanish stations.

Temperature risen quickly in the south of Russia, and to a less extent in Austria and the west and north of our Islands, but fallen elsewhere. Morning readings highest 63° at La Calle, 60° at Barcelona, Oran, and Algiers, and 59° at Conuma, above 50° at most of the Mediterranean stations. Lowest -13° F. at Moscow, +7° at Archangel, 14° at Uleaborg, and 16° at Charkov; below the freezing point in most parts of Russia and Scandinavia and as low as 32° at Paris. Rising during day to 55° or a little above it over the inland parts of England, and to 60° or more over southern Europe generally, the highest readings of all being 75° at Oporto and 72° at Perpignan.

Wind moderate to strong from the SWnd in the west and north of our Islands, but NWth over Scandinavia, Denmark, the Baltic, and the greater part of Central Europe, with a gale at Niemy. Light from the Nth at some of the Channel stations; E^{ly} over the Bay of Biscay; NE^{ly} in Spain and the south of France. W^{ly} or SW^{ly} in Italy and also in the south of Russia. Subsequently, veering to the W^{ly} in the north of Scotland; increasing to a gale from SW on the Norwegian coast.

Barometer highest 30.4 in: and upwards, over Central France; 30.1 in: and upwards in a large anticyclone covering Ireland, England, the Netherlands, Western Germany, France, Spain, and the western parts of the Mediterranean. Lowest 29.2 in: and less, in two small depressions lying over Iceland; 29.6 in: and less, in another disturbance lying off the north of Scotland. Low pressure systems all moving backwards later, but steady fall of barometer taking place in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 13th March,*

1893

Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.	Min.							
Inch.																			°	ins.
SCANDINAVIA.	Haparanda ...	29.28	14	W	2	S	29.85	-59	-3	-8	NE	2	b	#	3	16	-15	0.04		
	Hernösand ...	29.27	29	W	4	b	29.16	-69	14	13	NE	4	S	#	3	37	14	-		
	Stockholm ...	29.34	37	SW	2	o	29.10	-37	37	36	SW	4	o	#	o	43	21	-		
	Wisby ...	29.47	36	WSW	6	o	29.27	-18	36	35	WSW	8	o	#	o	43	25	-		
	Bodö ...	29.34	20	NE	2	C	29.23	+03	15	13	NE	2	b	1	e	23	14	-		
	Christiansund...	29.25	34	NE	6	S	29.02	-14	31	30	NNE	3	S	5	S	40	30	0.16		
	Skudesnaes ...	29.35	40	WSW	5	o	29.28	-25	40	37	W	6	bc	4	o	41	37	-		
	Christiania Fjord (Fjord)	29.38	55	SW	5	C	29.10	-32	36	35	SSW	6	m	4	e	37	34	-		
	Skagen (The Scaw)	29.44	39	WSW	4	m	29.34	-31	41	40	SW	4	m	3	m	41	36	-		
	Fanö ...	29.62	89	WSW	6	b	29.51	-28	39	37	WSW	6	b	#	b	45	37	-		
BRITISH ISLANDS.	Sumburgh Head	29.12	45	SW	4	r	29.16	-23	40	38	W	6	op	6	r	46	37	0.44		
	Stornoway ...	29.22	49	SW	7	m	29.48	+06	40	40	SW	4	r	6	r	50	36	0.12		
	Wick ...	29.23	45	SW	4	o	29.37	-06	40	39	SW	4	e	4	o	49	36	0.05		
	Nairn ...	29.27	48	WSW	3	C	29.49	-01	42	39	WSW	3	C	2	e	52	37	0.04		
	Aberdeen ...	29.38	45	SW	4	bc	29.53	-04	42	37	SSW	2	b	2	bc	49	38	0.08		
	Leith ...	29.49	47	WSW	4	o	29.60	-08	41	38	WSW	2	bc	#	o	52	38	-		
	Shields ...	29.55	52	SW	3	C	29.59	-17	46	45	WSW	2	C	2	b	62	39	-		
	Spurn Head ...	29.63	48	S	3	b	29.64	-24	43	43	WSW	3	b	3	b	59	40	-		
	York ...	29.63	56	W	1	b	29.65	-21	45	44	W	1	o	#	b	65	42	-		
	Loughborough	29.70	57	SSW	2	b	29.70	-27	38	37	E	1	c	#	b	66	33	-		
GERMANY & HOLLAND.	Ardrossan ...	29.51	45	SSW	4	o	29.63	-08	44	43	WSW	4	C	3	o	45	39	0.01		
	Malin Head ...	29.45	48	SW	5	o	29.68	+05	44	40	SW	4	b	2	o	49	43	0.03		
	Mullaghmore ...	29.55	49	SW	4	o	29.72	+03	42	40	SW	1	bc	2	o	50	40	0.01		
	Belmullet ...	29.56	50	SW	4	cp	29.76	+09	44	41	NNE	2	C	#	cp	50	42	0.01		
	Donaghadee ...	29.57	48	WSW	3	C	29.70	-08	44	43	W	4	C	2	C	49	41	0.01		
	Liverpool (Bldston)	29.67	50	WSW	1	b	29.71	-18	45	44	W	2	o	2	b	62	44	-		
	Holyhead ...	29.66	48	SSW	4	b	29.69	-15	45	45	W	2	og	2	og	52	45	0.01		
	Parsonstown ...	29.63	49	SW	1	o	29.71	-06	46	45	W	2	o	#	o	52	38	-		
	Valencia ...	29.67	50	SW	2	og	29.74	-03	47	47	W	2	o	1	og	51	45	0.04		
	Roche's Point	29.68	51	SW	3	C	29.72	-08	47	45	SW	1	C	2	C	51	45	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.71	48	S	3	b	29.71	-17	47	46	SW	1	C	1	b	51	46	-		
	Silly ...	29.72	51	SSE	4	b	29.71	-18	49	47	NNE	4	ow	3	b	54	46	-		
	Prawle Point ...	29.76	50	ESE	2	b	29.72	-26	47	47	N	1	og	0	b	53	45	-		
	Jersey (St. Aubin's)	29.80	56	SSE	3	bm	29.75	-27	49	48	W	0	om	0	bm	57	45	-		
	Hurst Castle ...	29.78	51	SE	3	b	29.72	-32	41	40	WSW	2	C	1	b	54	40	-		
	Dungeness ...	29.80	50	S	3	b	29.69	-36	47	46	SW	3	bc	2	b	54	45	-		
	North Foreland	29.80	54	SSW	3	b	29.69	-37	50	46	WSW	1	b	2	b	58	43	-		
	London ...	29.78	55	SSW	2	bc	29.72	-32	43	41	SW	1	bc	#	b	64	35	-		
	Oxford ...	29.73	48	SSW	1	b	29.73	-28	38	37	S	1	bc	#	b	63	33	-		
	Cambridge ...	29.75	54	SSE	1	b	29.70	-30	42	39	SW	1	b	#	b	65	34	-		
PENINSULA.	Yarmouth ...	29.80	49	S	4	b	29.65	-33	43	41	W	2	bm	3	b	59	38	-		
	Cuxhaven ...	?	43	WSW	4	b	29.62	-32	43	41	WSW	4	b	#	b	48	40	-		
	Berlin ...	29.91	48	W	2	b	29.73	-25	42	37	SW	3	b	#	b	55	37	-		
	Wiesbaden ...	?	48	W	2	b	29.91	-32	39	36	W	0	b	#	b	54	32	-		
	Munich ...	30.13	40	SW	3	b	30.02	-25	36	33	SE	4	b	#	b	37	32	-		
	The Helder ...	29.84	45	SSW	2	b	29.69	-34	43	41	SW	2	b	2	b	48	39	-		
	Brussels (9 a.m.)	?	?	?	?	?	29.77	-37	51	44	SW	4	b	#	b	61	43	-		
	Cape Gris Nez	29.77	48	S	4	bc	29.65	-39	49	46	SSW	4	bc	3	bc	57	39	-		
	Paris ...	29.92	58	SE	2	b	29.86	-32	45	40	S	3	b	#	b	65	32	-		
	Brest ...	?	53	SE	3	C	?	?	50	49	WSW	2	o	2	C	59	43	0.04		
FRANCE AND BELGIUM.	Lorient ...	29.79	51	SE	5	C	29.77	-21	50	49	WSW	3	m	2	C	55	43	-		
	Rochefort ...	29.88	60	SE	3	bc	29.57	-14	51	49	SE	4	o	#	bc	68	41	-		
	Belfort ...	?	44	E	2	b	?	?	38	34	W	1	b	#	b	64	34	-		
	Lyons ...	30.06	59	S	2	b	30.03	-19	53	42	S	5	b	#	b	67	40	-		
	Nice ...	30.25	52	SSE	1	b	30.23	0.00	44	41	E	1	bc	2	b	63	41	-		
	Perpignan ...	30.13	53	E	2	bc	30.10	-09	53	51	SE	2	o	#	bc	64	37	-		
	Biarritz ...	29.88	67	ENE	3	o	29.57	-12	62	51	S	2	o	#	o	73	48	-		
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?		
	Lisbon ...	29.82	53	ESE	2	o	29.85	-02	53	52	SSE	2	C	#	o	63	52	0.20		

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Monday, 13th March, 1893

BAROMETER, WIND AND SEA.

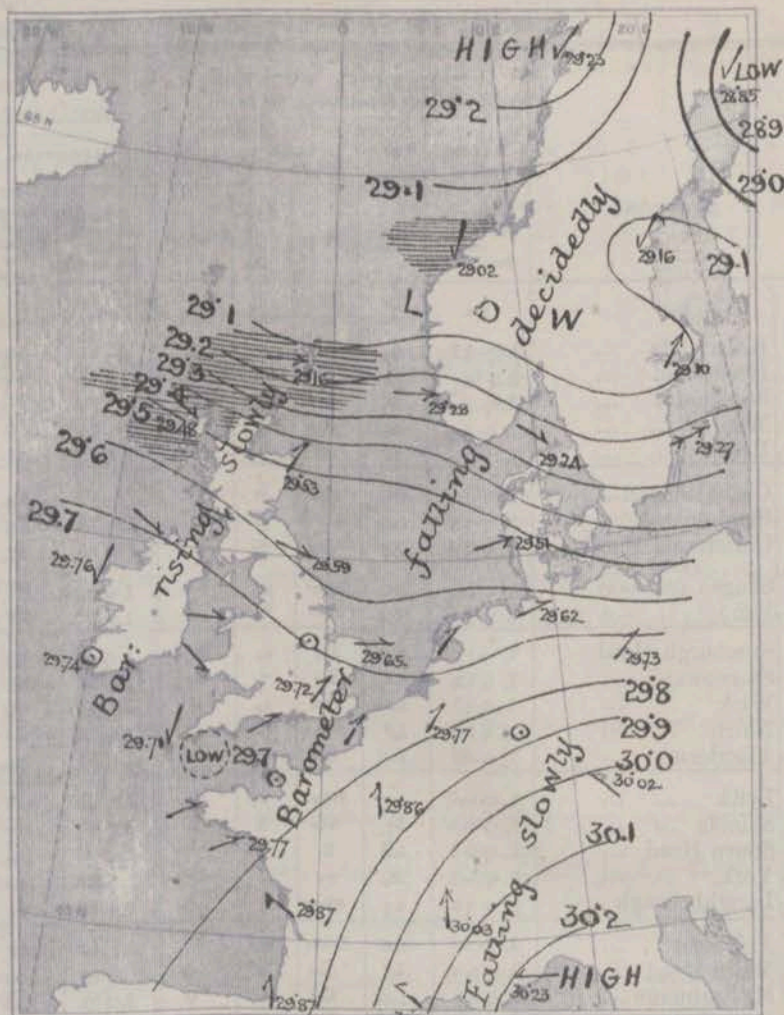
EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus:
 — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 — dead calm.
SEA DISTURBANCE—Where considerable, is shown thus:
 — Rough — High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of March.
 During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS
Sunburgh Head	29.751
Stornoway	29.773
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Sparn Head	29.896
York	29.909
Loughborough	29.932
Ardrossan	29.965
Mullaginnore	29.972
Donaghadee	29.982
Holyhead	29.997
Liverpool	29.914
Parsonstown	29.925
Valencia	29.925
Roch's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

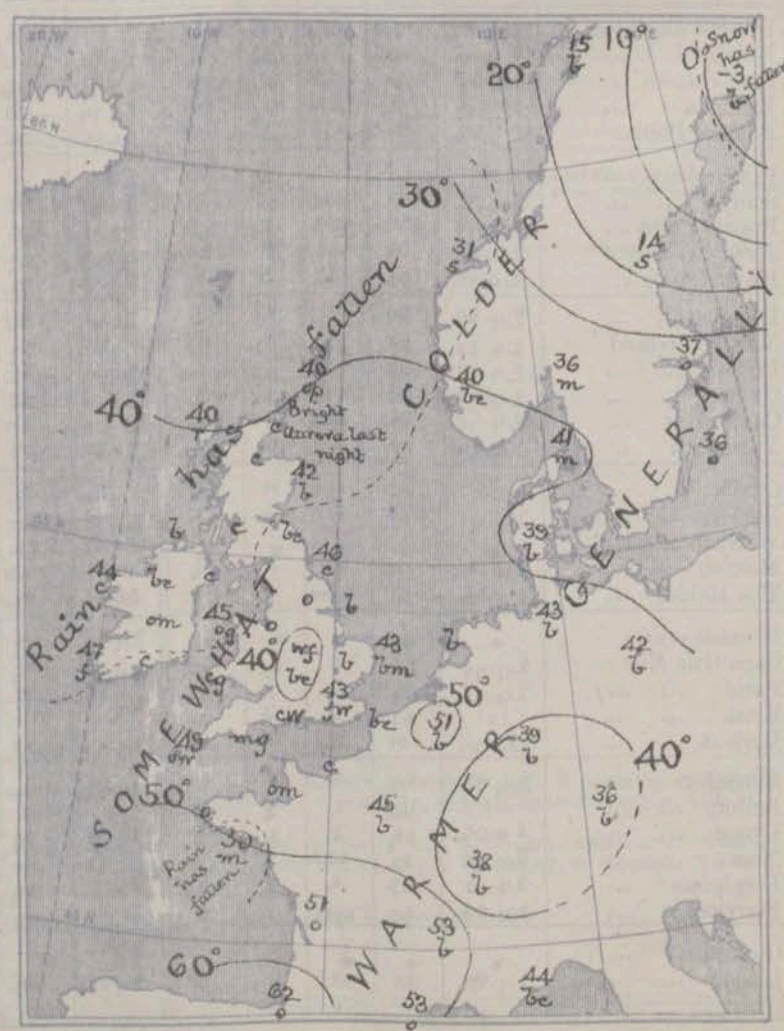
WEATHER—is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.1 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	in Shade	Wet	
Sunburgh Head	42.6	31.9	38.3	36.9	2.79
Stornoway	41.9	31.6	39.1	38.1	3.79
Wick	41.8	31.0	39.0	37.2	2.02
Nairn	43.6	32.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.6	2.33
Leith	47.9	34.6	39.6	37.7	1.11
Shields	45.0	35.2	39.4	37.8	1.75
Sparn Head	44.7	36.5	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.3	34.2	39.0	37.3	1.64
Ardrossan	46.3	36.3	40.1	38.5	2.41
Mullaginnore	47.9	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.0	42.0	40.6	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.3	2.33
Valencia	51.1	40.2	44.9	42.8	1.20
Roch's Point	49.7	36.6	43.3	41.6	3.71
Pembroke	49.6	36.1	42.1	40.3	2.40
Sally	49.5	42.5	46.0	44.2	2.10
Prawle Point	48.1	37.7	42.6	41.2	1.25
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.4	1.59
Cambridge	50.2	37.9	43.9	41.5	1.10
Yarmouth	45.2	34.9	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: to 29.9 in: over the southern and southeastern parts of France; 29.7 in: and more over Ireland, Wales, and the south-east and south of England.
 Lowest, 28.9 in: and less, over the northern extremity of the Gulf of Bothnia; about 29.0 in: over Central Scandinavia and also off the west of Norway.
 There appeared also to be some very small and shallow depressions over Wales and the mouth of the English Channel.
 Gradients somewhat steep in the north, slight or moderate elsewhere, and very irregular in all districts.
 Barometer still falling in the extreme northeast and east, rising in the west and southwest.

TEMPERATURE

Highest, 62° at Biarritz, 51° at Brussels, 50° at Louvain and Brest.
 Lowest, (1) -3° at Haparanda, +14° at Helsingfors, 15° at Rode; (2) 40° to 42° in the northeast of Scotland; (3) 36° at Munich, 39° at Wiesbaden, 42° at Berlin.
 The maxima recorded in the shade yesterday varied from 60° to 66° over our inland countries, but were not much above 50° over Ireland.
 At Biarritz the maximum was 73°.

WIND

W^h to NW^h, strong, in the north of Scotland; W^h, strong, on the eastern shores of the North Sea; NE^h over the northern half of Scandinavia.
 Very variable and light over Ireland and England, S^h to SW^h, moderate over many parts of France.

WEATHER

Still very fine over France, Germany, and the eastern parts of England, with fog or haze in some places, and a solar halo in London; cloudy and unsettled in the west and north, with rain at Lumburgh, H^h, and Norway.
 Yesterday was very fine over England, but showers fell in Ireland, Scotland, and some parts of Scandinavia, and Aurora was seen at Mirk last night.

SEA

Still rough at our most northern stations, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather appears to be undergoing a very decided change, and will probably be much less fair than during the past four days.

FORECASTS

For the 24 hours ending at NOON on 14th March 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} W ^h and NW ^h winds, unsettled, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	----- D ^o ----- D ^o ----- D ^o -----
3	ENGLAND EAST	} Very light Variable winds; weather becoming unsettled with some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0 to 2.
7	ENGLAND N.W.	NW ^h breezes, moderate, cloudy, rain at times.
8	ENGLAND S.W.	NW ^h airs; cloudy, unsettled, some rain
9	IRELAND NORTH	} Variable and NW ^h breezes, changeable, some rain at times.
10	IRELAND SOUTH	
WARNINGS		None issued

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (∆), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.47	40	39	SSW	4	1	4	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.81	50	49	W	6	1	5	Jersey ...	29.90	57	50	ESE	4	bc	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	29.87	53	49	SW	3	b	2
Ardrossan ...								North Foreland ...	29.92	58	48	SSW	4	b	3
Malin Head ...	29.53	48	46	SSW	5	0	3	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.60	50	48	SW	5	0	4	Rocheport ...	29.93	63	55	SE	4	b	*
Holyhead ...	29.73	49	47	SW	5	0	4								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine and bright over England, France, Denmark, the Netherlands, western Germany and Italy. Cloudy or overcast in Ireland and Scotland, with rain in the Hebrides; dull in most part of Scandinavia, Russia, eastern Germany and Austria, with rain in the west of Norway and with snow at Meneh, Moscow, Warsaw and Nicolaieff. Showers falling later in Ireland and the west and north of Scotland, but weather remaining exceedingly fine over England.

Temperatures risen generally, but fallen quickly in Sweden and Finland and slightly in Italy and the east of Russia. Morning readings highest 65° at Bilbao, 63° at Oporto, 61° at Cron, and 58° at San Fernando, above 50° at most of the Mediterranean stations and just reaching that point in the Scilly and Channel Islands. Lowest - 8° at Krasno + 2° at Ulesborg, 5° at Vapnarsund, and 6° at Helsingfors, below the freezing point over Sweden, Russia and Austria generally. Rising during day to 60° or more over all the inland parts of England and reaching 66° at Loughborough; exceeding 65° in the west and south of France, and reaching 73° at Biarritz.

Winds light or moderate from the End over France and Spain and from the SE over the greater part of England, SW^{ly} in Ireland and Scotland and W^{ly} in Norway, Denmark and Germany; S^{ly} on the eastern shores of the Baltic. Light from the N^{or} or NWnd over Italy and the S. of Russia. No important change occurring during day.

Barometer highest 30.3 ins. and upwards over Italy and the Adriatic, 30.1 ins. and upwards in a large anticyclone covering the greater part of central and southern Europe and the Mediterranean. Lowest 29.2 ins. and less in a depression lying over the N. of Norway. Decided fall taking place over our Islands during day and new depression appearing off the N. of Scotland in evening.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 5TH TO 11TH MARCH 1893.

In the course of this week the weather though still rough and unsettled in the north became very fine over the southern half of our area, and several of the days were warm and pleasant. Barometric pressure was continuously high over our southwestern and southern districts, as well as over France, low in the north, and as some well defined disturbances travelled over these latter regions from W. to E., strong gales were felt at the more N^{or} of the Scotch stations and on the eastern shores of the North Sea, but moderate or light (anticyclonic) breezes in the south.

Temperature, though low at night, has been high during the day - the maxima having exceeded 60° over England on more than one occasion and touched 66° at Cambridge on Wednesday, and 63° at Loughborough both on Wednesday and Thursday. The nights, however, have been somewhat cold - especially that of Mar. 9-10, when the shade minima were as low as 31° to 33° over the southern and eastern counties, while those on the grass were some 9° lower.

At the close of the week the anticyclone referred to above was moving ESE^{ly}, pressure was giving way over the United Kingdom generally, and the wind was becoming more S^{ly} in direction.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty; (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 14TH MARCH, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

YESTERDAY EVENING. (See note at bottom of last page.)																			THIS MORNING. (See note at bottom of last page.)																			PAST 24 HOURS.			
STATIONS.		BAROM.	TEMP.	WIND.		WEATHER.	BAROMETER.		SHADE TEMP.			WIND.		SEA (0 to 9).	SHADE TEMP.		Amount of Rainfall.																								
Reading at 5 P.M. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 5 P.M. and Sea Level.	Change since Yesterday Morn.		Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Max.	Min.																												
Inch.	°				Inch.	°	°	°									Inch.																								
SCANDINAVIA.																																									
Haparanda ...	25.14	1	NW	2	b	25.25	-0.3	-10	-6	NW	2	b	*	b	10	4	—																								
Hernösand ...	25.19	14	N	4	b	25.27	+2.3	1	-13	2	0	b	*	b	10	4	0.47																								
Stockholm ...	25.28	26	SW	2	b	25.41	+3.1	26	-11	SW	2	b	*	b	26	25	—																								
Wisby ...	25.33	35	SE	6	b	25.45	+2.2	34	-2	NW	4	b	*	b	32	32	—																								
Bodö ...	25.23	14	NW	2	b	25.25	+0.2	13	-2	NW	2	b	1	b	10	4	—																								
BRITISH ISLANDS.																																									
Christiansund...	25.17	32	NW	2	o	25.14	+1.2	33	+4	S	2	o	4	b	36	30	0.16																								
Skudesnaes ...	25.45	35	NW	5	c	25.37	+1.1	40	0	SW	6	7	3	c	45	34	—																								
Christiania Fjord (Færd)	25.26	3	N	4	b	25.42	+3.2	36	0	SW	5	0	4	b	39	34	—																								
Skagen (The Scaw)	25.43	37	N	6	c	25.35	+3.1	37	-4	N	3	0	2	c	41	36	—																								
Fanö ...	25.67	38	N	4	b	25.67	+1.6	36	-3	N	4	b	*	b	45	36	—																								
Sumburgh Head	25.3	40	NW	5	o	25.06	-1.0	42	+2	NW	6	7	6	c	43	40	0.27																								
Stornoway ...	25.35	45	N	4	o	25.25	-2.3	45	+8	N	6	7	6	o	46	38	0.36																								
Wick ...	25.32	32	N	4	c	25.20	-1.7	42	+3	N	3	0	3	c	45	38	0.02																								
Nairn ...	25.37	42	NW	2	b	25.32	-1.7	42	+1	SW	3	c	2	b	43	38	—																								
Aberdeen ...	25.62	44	N	2	b	25.44	-1.2	42	0	SW	5	0.2	3	b	51	39	—																								
GERMANY & HOLLAND.																																									
Leith ...	25.9	44	N	2	b	25.32	-0.8	43	+2	SW	4	c	*	b	51	38	—																								
Shields ...	25.70	48	NW	2	c	25.63	+0.4	40	-6	SW	3	c	2	b	54	35	—																								
Spurn Head ...	25.70	45	SE	2	c	25.68	+0.4	42	-1	N	2	cm	2	c	57	35	—																								
York ...	25.71	53	NW	1	b	25.66	+0.1	36	-3	N	1	o	*	b	58	32	—																								
Loughborough	25.73	52	NW	2	o	25.75	+0.3	43	+5	N	1	cm	*	o	61	38	—																								
FRANCE AND BELGIUM.																																									
Ardrossan ...	25.67	45	NW	2	b	25.57	-0.6	44	0	NW	5	0	4	b	53	40	—																								
Malin Head ...	25.72	44	NW	2	b	25.5	-1.1	45	+1	NW	5	0	3	b	49	41	—																								
Mullaghmore ...	25.76	46	N	1	b	25.70	-0.2	44	+2	NW	4	0.5	3	c	47	37	—																								
Belmullet ...	25.78	47	NW	2	b	25.72	-0.4	46	+2	SW	3	0	*	b	50	40	—																								
Donaghadee ...	25.76	45	N	2	b	25.70	0.0	39	-5	N	4	b	2	b	53	38	—																								
PENINSULA.																																									
Liverpool (Bidston)	25.78	44	NW	1	b	25.73	+0.2	45	0	SW	2	b	2	b	45	41	—																								
Holyhead ...	25.76	44	N	0	b	25.73	+0.4	44	-1	SW	3	0.5	2	b	48	39	—																								
Parsonstown ...	25.74	45	N	0	o	25.73	+0.6	41	-5	SW	1	o	*	o	51	38	—																								
Valencia ...	25.77	48	N	1	cm	25.83	+0.9	46	-1	2	0	cm	1	cm	53	42	0.13																								
Roche's Point	25.76	47	S	1	c	25.81	+0.9	47	0	N	1	b	2	c	52	48	—																								
Pembroke (St. Ann's Hd.)	25.74	47	NW	2	o	25.86	+0.9	46	-1	NW	1	cm	1	o	52	45	—																								
Scilly ...	25.74	50	SW	1	o	25.82	+1.1	50	+1	S	2	cm	1	o	51	46	—																								
Prawle Point ...	25.75	47	NW	1	m	25.83	+1.1	46	-1	N	1	c	1	cm	49	45	0.02																								
Jersey (St. Aubin's)	25.77	52	NW	2	b	25.87	+1.2	47	0	N	2	0.5	2	o	55	47	0.02																								
Hurst Castle ...	25.75	47	2	0	f	25.81	+0.9	46	+5	SW	1	f	1	cm	49	40	0.02																								
GERMANY & HOLLAND.																																									
Dungeness ...	25.74	47	NW	3	o	25.77	+0.8	46	-1	NW	3	f	2	cm	53	45	0.01																								
North Foreland	25.73	48	S	1	o	25.73	+0.4	51	+1	N	1	f	2	cm	52	45	0.11																								
London ...	25.75	51	SW	1	o	25.77	+0.5	48	+5	N	2	b	*	f	53	44	0.02																								
Oxford ...	25.75	51	S	1	o	25.77	+0.4	46	+8	NW	1	o	*	b	56	38	—																								
Cambridge ...	25.75	52	SW	1	o	25.74	+0.4	46	+4	SW	1	b	*	b	61	39	0.01																								
Yarmouth ...	25.73	46	NW	2	b	25.70	+0.5	46	+3	N	3	b	2	b	52	41	0.02																								
FRANCE AND BELGIUM.																																									
Cuxhaven ...	25.83	41	N	3	f	25.82	+2.0	40	-3	S	2	f	*	f	47	38	—																								
Berlin ...	25.73	54	2	0	b	25.77	+0.4	46	+4	SW	1	f	*	f	63	42	0.04																								
Wiesbaden ...	25.8	45	2	0	c	25.87	-0.2	47	+8	2	0	7	*	*	63	34	0.01																								
Munich ...	25.57	45	SW	2	c	25.86	-0.2	44	+8	SW	4	0	*	c	63	36	—																								
The Helder ...	25.82	42	NW	1	c	25.75	+0.6	42	0	SW	1	f	1	c	46	41	—																								
GERMANY & HOLLAND.																																									
Brussels (9 a.m.)	25.83	46	NW	4	m	25.83	+0.6	50	-1	SW	4	0	*	7	60	47	0.04																								
Cape Gris Nez	25.74	46	NW	4	m	25.76	+1.1	46	-3	NW	3	f	2	m	50	46	—																								
Paris ...	25.84	57	SW	2	o	25.87	+0.2	47	+4	SW	2	0	*	o	55	45	0.04																								
Brest ...	25.8	52	SW	1	c	25.8	0	50	0	S	1	f	2	c	55	45	0.16																								
Lorient ...	25.77	51	SW	3	o	25.86	+0.9	49	-1	SW	2	7	2	o	57	48	—																								
FRANCE AND BELGIUM.																																									
Rochefort ...	25.84	57	SW	2	c	25.87	+0.1	50	-1	SW	3	0	*	o	61	48	0.04																								
Belfort ...	25.8	44	N	3	c	25.82	-0.1	47	+3	N	3	7	*	o	66	38	—																								
Lyons ...	25.96	57	S	3	b	25.82	-0.1	50	-3	SW	1	0	*	b	63	49	0.12																								
Nice ...	25.13	51	S	3	c	25.12	-1.1	50	+6	S	1	7	4	c	59	44	0.16																								
Perpignan ...	25.87	54	SE	2	o	25.88	-1.1	52	-1	NW	2	f	*	o	58	48	—																								
Biarritz ...	25.80	64	S	3	c	25.87	+0.2	58	-4	S	3	f	*	c	61	53	—																								
PENINSULA.																																									
Corunna ...	25.97	53	NW	3	b	25.06	+2.1	56	+3	E	1	b	*	b	61	52	0.47																								
Lisbon ...	25.97	53	NW	3	b	25.06	+2.1	56	+3	E	1	b	*	b	61	52	0.47																								

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Chart on next page.

WEATHER CHARTS

for 8 a.m. on Tuesday, 14th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ forces above 10 → forces 8 to 10

→ forces 5 to 7 → forces 1 to 4

○ dead calm.

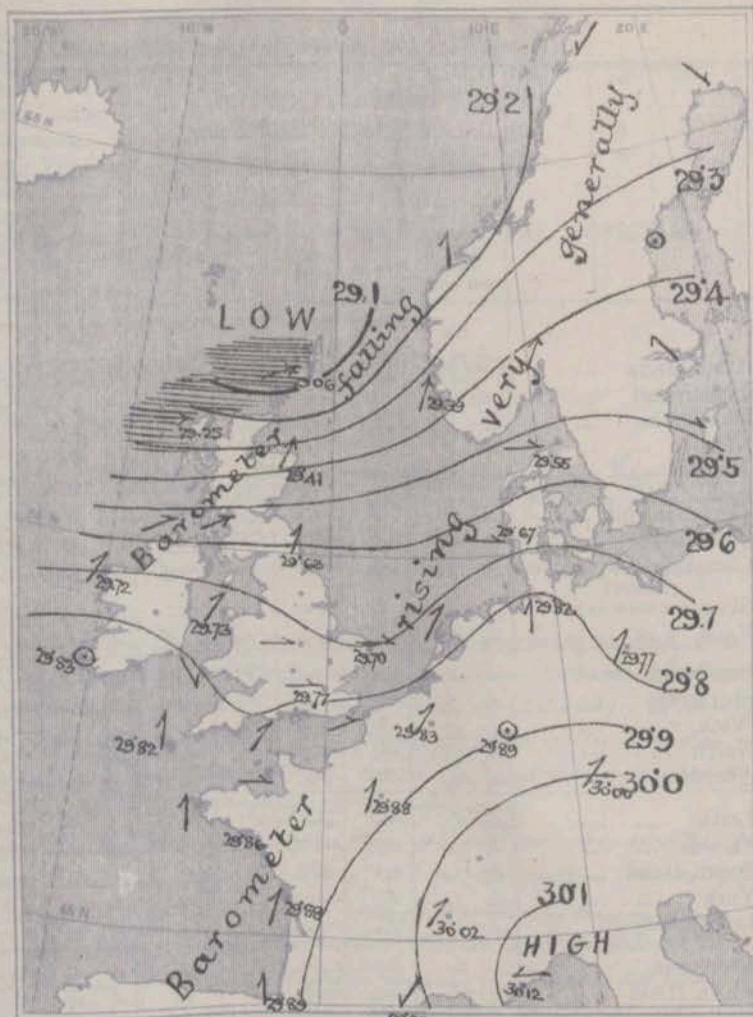
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of March
During the 30 Years: 1871—1890.

STATIONS.	MEAN READINGS
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.906
York	29.905
Loughborough	29.932
Ardrossan	29.955
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Selly	29.947
Prawle Point	29.905
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.911
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by letters of the Beaufort Scale.

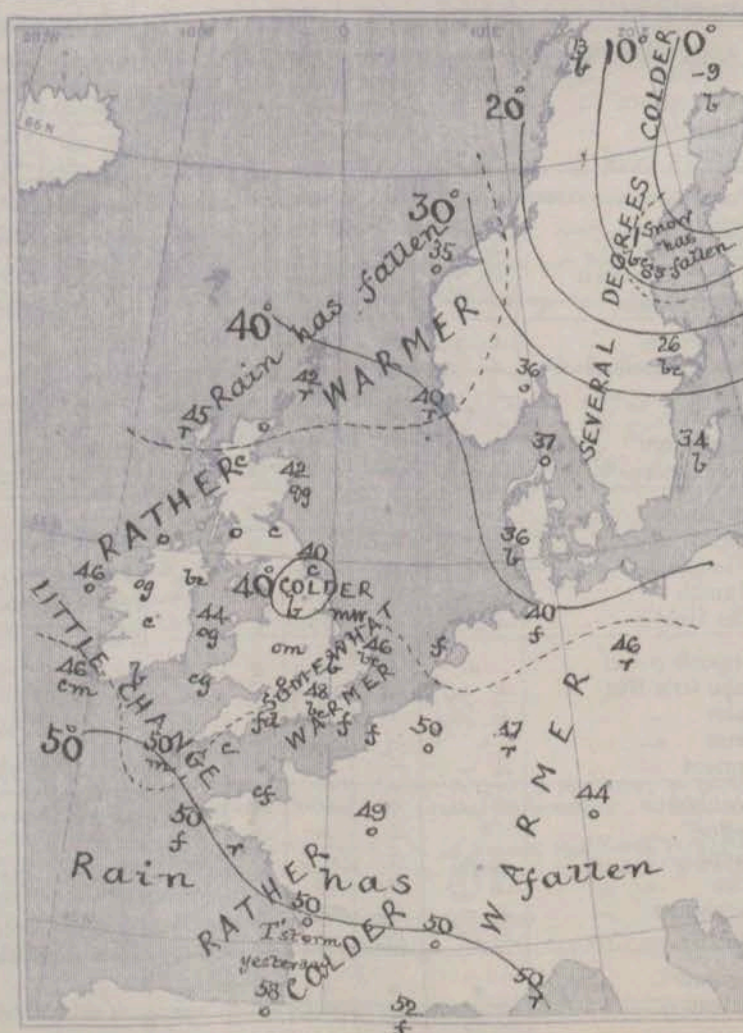
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	42.6	32.9	38.3	36.9	2.79
Stornoway.....	41.9	34.5	39.1	38.1	3.79
Wick.....	44.8	34.0	39.0	37.2	2.02
Nairn.....	45.6	33.9	38.0	36.2	1.68
Aberdeen.....	45.4	34.4	38.5	36.5	2.33
Leith.....	47.9	34.6	39.5	37.7	1.41
Shields.....	45.9	35.2	39.4	37.8	1.75
Spurn Head.....	44.7	36.6	39.7	38.4	1.22
York.....	48.1	31.0	38.5	37.0	1.73
Loughborough.....	49.5	31.2	39.0	37.3	1.84
Ardrossan.....	46.3	36.3	40.1	38.5	2.11
Mullaghmore.....	47.9	38.4	41.9	40.2	2.87
Donaghadee.....	47.2	37.1	40.8	39.5	2.05
Holyhead.....	47.2	38.0	42.0	40.6	2.27
Liverpool.....	47.9	36.5	40.3	38.2	1.72
Parsonstown.....	49.8	35.0	40.4	38.8	2.33
Valencia.....	51.1	40.2	44.0	42.8	4.20
Roche's Point.....	49.7	39.6	43.5	41.8	3.71
Pembroke.....	48.4	39.1	42.1	40.3	2.40
Selly.....	49.5	43.5	46.0	41.3	2.10
Prawle Point.....	48.1	37.2	42.6	41.2	1.93
Jersey.....	43.5	39.9	44.0	42.0	2.35
Hurst Castle.....	47.8	37.2	41.8	40.1	1.83
Dover.....	46.4	36.9	40.7	39.2	1.83
LONDON.....	50.0	36.4	40.1	38.2	1.49
Oxford.....	49.0	34.5	38.9	37.4	1.89
Cambridge.....	50.5	37.9	45.0	37.5	1.40
Yarmouth.....	45.2	31.9	40.2	38.6	1.83

NOTE—The Temperature means are for the 30 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, over the southeast of France, 30.0 in. and upwards, over the southern part of the Spanish Peninsula.
 Lowest, 29.1 in. and less, in a depression lying off the north of Scotland.
 Gradients rather steep over the northern part of Scotland and the North Sea, but slight elsewhere.
 Barometer rising in ^{Sweden} France, Germany, and the southern parts of the United Kingdom, but falling elsewhere — chiefly in the extreme north.

TEMPERATURE

Highest, 58° at Biarritz, 52° at Perpignan, and 50° at Seilly, Brest, Rochefort, Lyons, and Nice.
 Lowest, -9° F. at Haparanda, +1° at Helsingfors, 13° at Riga, 26° at Stockholm, 34° at Kisti, and 35° at Christiansund.
 In the course of yesterday the thermometer rose to 61° at Loughborough and Cambridge, and to 59° at York.

WIND

W³ or SW³ in all but the southern part of the United Kingdom, as well as in Denmark, Germany, and the Netherlands; light or moderate in force generally, but strong in the Shetlands and Hebrides.
 Variables over Sweden and the northern part of Norway.
 Light from the S² over the greater part of France.

WEATHER

Cloudy or overcast in most parts of Western Europe, with fog at several of the Channel stations, as well as at Lycksele and the Helder, and with rain in the Shetlands and Hebrides. Rain is falling at Sturtevant and some of the German stations.
 Fine in the north and east of England and also in Sweden.
 In the course of the past 24 hours rain has fallen over France and the south of our Islands, with a thunderstorm at Rochefort.

SEA

Rough off the north of Scotland, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the north of Scotland seems likely to travel away to the northeastward. Shallow secondary disturbances are, however, passing across Ireland and England, and showery weather is probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 15th March

1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | W ² and SW ² winds, strong; unsettled, rain at times. |
| 1 | SCOTLAND EAST | SW ² winds, fresh or strong; drizzle, some rain. |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | W ² and SW ² winds, light; fair generally, but local showers. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | Same as No. 1. |
| 7 | ENGLAND N.W. | SW ² winds, light; cloudy, some showers. |
| 8 | ENGLAND S.W. | Variable breezes, finally SW ² ; fair to cloudy and showery. |
| 9 | IRELAND NORTH | Same as No. 1. |
| 10 | IRELAND SOUTH | Same as No. 8. |
| WARNINGS | | None issued. |

Note. — The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudeannaes ...	29.53	44.4	44.1	W	7	C	5	Valencia ...	29.76	53	51	2	0	mod	1
Sumburgh Head ...	29.51	44.1	43.7	W	4	C	5	Scilly ...	29.74	51	49	2	0	o	3
Stornoway ...	29.5	44.0	43.3	W	4	o	5	Jersey ...	29.73	53	51	2	0	om	
Aberdeen ...	29.53	44.0	44.1	W	4	o	5	Hurst Castle ...	29.76	49	46	2	0	mod	1
Shields ...	29.60	53	48	W	2	be	2	Dungeness ...	29.73	48	48	2	0	cp	2
Ardrossan ...	29.70	53	48	W	2	be	2	North Foreland ...	29.72	51	46	2	0	cp	2
Malin Head ...	29.72	48	44	W	2	be	2	London ...	29.73	53	49	2	0	fg	3
Mullaghmore ...	29.77	49	44	W	2	C	2	Yarmouth ...	29.71	51	49	2	4	be	3
Belmullet ...	29.75	50	45	W	2	C	2	Rochefort ...	29.85	59	52	2	4	o	*
Holyhead ...	29.76	49	44	W	2	C	2								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the whole of Central Europe, together with the western half of England—fine over Lapland also; cloudy and unsettled elsewhere, with fog and mist over the southern and southwestern part of the United Kingdom, again in the far north, snow at Christianund, Hemsund and Uleaborg. Snowfall considerable at Hemsund later, some rain in the south of Ireland, and also over the southern part of our Islands and in France. Thunder and lightning at Rochefort.

Temperature risen considerably over Russia, Poland, Hungary, and the Baltic, as well as in many parts of France, fallen over the United Kingdom. Morning readings highest 62° at Biarritz, and exceeding 50° on the coasts of France, Spain, and Algeria; varying from 43° at Svalby to 40° at Wick and Skudesnaes, and to 41° on the north coast of Germany; lowest 5° at Archangel, 10° at Uleaborg and Moscow, 14° at Hemsund, 23° at Hango. Rising later to between 50° and 61° over England to 50° or more over Ireland, and to 63° at Lyons, and to 68° at Biarritz. Succeeding night mild generally.

Wind very variable (1) NW² light to moderate over the United Kingdom, W¹ moderate to strong over the North Sea, and SW³ over the Baltic—but NE³ over the northern half of Scandinavia, (2) extremely variable in direction, but moderate to strong in force over the Mediterranean; (3) very light and variable over our southwestern district and the Bay of Biscay. Continuing W¹ at the northern stations during day, not much change elsewhere.

Barometer highest 30.2 ins. and more to 30.0 ins. in a large anticyclone covering the Mediterranean, and the whole of southern and southeastern Europe, and exceeding 29.3 ins. over Lapland. Lowest about 29.0 ins. in a complex disturbance over the middle of Norway, and in another over the adjacent part of the Atlantic. Gradients moderate in most places, slight in the far west. Rising somewhat over the United Kingdom and North Sea later, falling a little over France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 5 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 15th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.		SHADE TEMP.		WIND.		SHADE TEMP.			
		Reading at 22° F. and Sea Level.	Dry Bulb.	Dirc.	Force (0 to 12).	Weather.	Reading at 22° F. and Sea Level.	Change since Yesterday Morning.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.																					
Haparanda ...	29.32	-11	S	2	bc	29.19	-0.6	-12	?	-3	N	2	bc	#	bc	10	?				
Hernösand ...	29.14	0	Z	0	?	29.03	-0.46	18	17	+17	Z	0	b	#	?	21	-9	0.39			
Stockholm ...	29.27	37	SW	2	o	29.18	-1.23	30	37	+13	W	2	o	#	o	46	23				
Wisby ...	29.44	37	SW	6	o	29.34	-1.5	38	36	+4	SW	7	o	#	o	44	30				
Bodö ...	29.08	17	ESE	4	b	28.92	-0.33	21	18	+3	ESE	4	b	2	b	21	12				
Christiansund...	28.98	35	NSW	3	c	28.80	-0.34	33	32	-2	SE	5	S	4	c	36	32	0.08			
Skudesnaes ...	29.20	41	NSW	5	r	29.13	-0.26	41	40	+1	SW	6	o	5	rf	41	37				
Christiania Fjord (Fjord)	29.19	36	SSW	6	c	29.13	-0.2	37	?	+1	SSW	5	c	4	c	37	36				
Skagen (The Scaw)	29.33	39	N	4	o	29.30	-0.25	41	40	+1	N	4	o	2	o	41	36				
Faro ...	29.36	39	SW	6	c	29.33	-0.14	39	38	+1	SW	6	c	2	c	41	36				
Sumburgh Head	29.63	43	W	4	op	28.80	-0.26	39	36	-3	W	7	bchp	7	c, op	46	38	0.30			
Stornoway ...	29.21	46	SW	4	c	29.10	-0.18	39	38	-6	W	8	c	6	c, o	47	36	0.14			
Wick ...	29.16	40	W	4	b	29.02	-0.18	38	36	-5	W	8	c	5	b, q	48	36	0.06			
Nairn ...	29.28	45	NSW	3	r	29.14	-0.15	42	40	-1	W	3	bcp	3	r	51	40	0.12			
Aberdeen ...	29.30	50	NSW	4	ogq	29.18	-0.23	47	40	+5	NSW	6	bq	4	gpg	52	42	0.01			
Leith ...	29.43	44	NSW	4	r	29.32	-0.20	47	44	+4	NSW	5	c	#	r	48	39				
Shields ...	29.55	47	NSW	3	c	29.48	-0.15	48	45	+8	SW	4	op	2	c, o	48	37				
Spurn Head ...	29.65	46	NSW	4	c, m	29.63	-0.05	47	45	+5	SW	4	c	3	c, m	52	40				
York ...	29.68	46	W	3	c	29.60	-0.06	47	45	+11	NSW	4	c	#	c	54	36				
Loughborough	29.74	51	NSW	2	o	29.73	-0.02	48	44	+5	NSW	4	og	#	o	57	42				
ISLANDS.																					
Ardrossan ...	29.47	46	NSW	5	o	29.44	-0.13	46	45	+2	NSW	4	cp	4	op	47	43	0.04			
Malin Head ...	29.50	46	NSW	5	odp	29.43	-0.14	44	42	-1	NSW	6	op	4	odp	47	44	0.06			
Mullaghmore ...	29.64	47	NSW	5	ogm	29.58	-0.12	47	46	+3	W	5	cp	4	og, p	48	42	0.10			
Belmullet ...	29.66	48	SW	5	ogp	29.63	-0.09	47	45	+1	W	4	o	#	o, g, p	48	43	0.11			
Donaghadee ...	29.60	47	NSW	5	bc	29.57	-0.13	47	46	+8	W	7	o	4	bc	48	39	0.01			
BRITISH.																					
Liverpool (Bldston)	29.73	46	W	3	o	29.68	-0.05	47	43	+2	NSW	5	c	4	o	50	45				
Holyhead ...	29.73	46	SW	3	c	29.69	-0.04	46	45	+2	SW	4	c	4	c	49	44				
Parsonstown ...	29.75	47	SW	1	o	29.70	-0.07	46	45	+5	SW	2	om	#	o	49	40				
Valencia ...	29.84	50	NSW	3	o	29.83	0.00	49	47	+3	NSW	5	om	4	cp, o	52	45	0.06			
Roche's Point	29.81	51	W	3	c	29.81	0.00	48	46	+1	NSW	3	bc	3	c	52	45				
Pembroke (St. Ann's Hd.)	29.82	46	NSW	3	bc	29.82	+0.02	47	46	+1	NSW	4	bc	3	bc	50	45				
Scilly ...	29.87	49	NSW	3	c	29.92	+0.10	49	47	-1	W	4	cw	2	f, c	54	46	0.04			
Prawle Point ...	29.75	48	NSW	2	m	29.93	+0.10	47	47	+1	NSW	3	bc	2	c, f, m	49	43	0.02			
Jersey (St. Aubin's)	29.90	53	SW	3	c	29.98	+0.11	49	47	0	SW	3	om	3	c, f	56	47	0.01			
Hurst Castle ...	29.85	47	NSW	4	c	29.90	+0.09	47	46	+1	NSW	4	bc	2	c	49	45				
Dungeness ...	29.79	46	NSW	3	c	29.86	+0.09	46	46	0	W	5	c	4	m, c, f	51	44				
North Foreland	29.77	49	W	4	og	29.84	+0.11	49	46	-2	NSW	2	og	3	og	54	45				
London ...	29.80	50	W	2	bcm	29.84	+0.07	48	45	0	NSW	3	o	#	op, b	53	46				
Oxford ...	29.81	48	NSW	1	o	29.82	+0.05	47	45	+1	SW	2	o	#	c, o	54	45				
Cambridge ...	29.77	52	SSW	2	o	29.78	+0.04	48	45	+2	SSW	4	c	#	o	55	41				
Yarmouth ...	29.73	50	NSW	4	c	29.78	+0.03	47	45	+1	NSW	4	bc	3	b, c, m	52	43				
GERMANY & HOLLAND.																					
Cuxhaven ...	29.71	45	NSW	1	o	29.71	-0.11	45	44	+5	SW	4	f	#	o	49	40				
Berlin ...	29.74	51	NSW	2	r	29.81	+0.04	50	48	+4	W	3	o	#	r	52	46	0.24			
Wiesbaden ...	#	#	#	#	#	29.96	+0.07	50	49	+3	SW	1	o	#	#	59	46				
Munich ...	30.01	48	SW	4	b	30.07	+0.07	47	45	+3	SW	4	r	#	b	55	43				
The Helder ...	29.77	44	SW	3	c	29.78	+0.03	44	43	+1	SW	5	c	3	c	45	43				
FRANCE AND BELGIUM.																					
Brussels (9 a.m.)	#	#	#	#	#	29.92	+0.09	48	47	-2	SW	5	o	#	b	55	42				
Cape Gris Nez	29.80	46	NSW	3	bc	29.84	+0.08	46	46	0	W	4	m	4	bc	48	43	0.04			
Paris ...	29.91	52	SW	2	o	30.01	+0.13	50	50	+1	SSW	2	o	#	o	63	49	0.08			
Brest ...	?	50	HW	1	f	?	?	49	49	-1	W	2	c	1	f	55	45				
Lorient ...	29.94	51	W	3	c	30.00	+0.14	49	48	0	W	3	r	2	c	54	48	0.04			
Rochefort ...	29.96	55	NSW	2	o	30.03	+0.15	52	52	+2	NSW	2	o	#	o	59	50				
Belfort ...	?	52	W	1	c	?	?	50	49	+3	W	2	o	#	c	56	46				
Lyons ...	30.01	53	S	3	o	30.10	+0.08	49	48	-1	W	1	c	#	c	65	49				
Nice ...	30.08	51	NE	2	c	30.12	0.00	49	48	-1	E	1	c	3	c	57	48	0.20			
Perpignan ...	30.02	56	NE	1	o	30.10	+0.11	53	53	+1	Z	0	o	#	o	59	52				
Biarritz ...	29.97	55	H	3	bc	30.02	+0.13	53	50	-5	S	3	o	3	bc	61	50				
PENIN- SULA.																					
Cornuna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#		
Lisbon ...	30.06	54	NSW	3	b	30.03	-0.03	51	50	-5	NE	4	c	#	b	64	50				

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday, 15th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10 — forces 8 to 10;
— forces 5 to 7 — forces 1 to 4.
— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

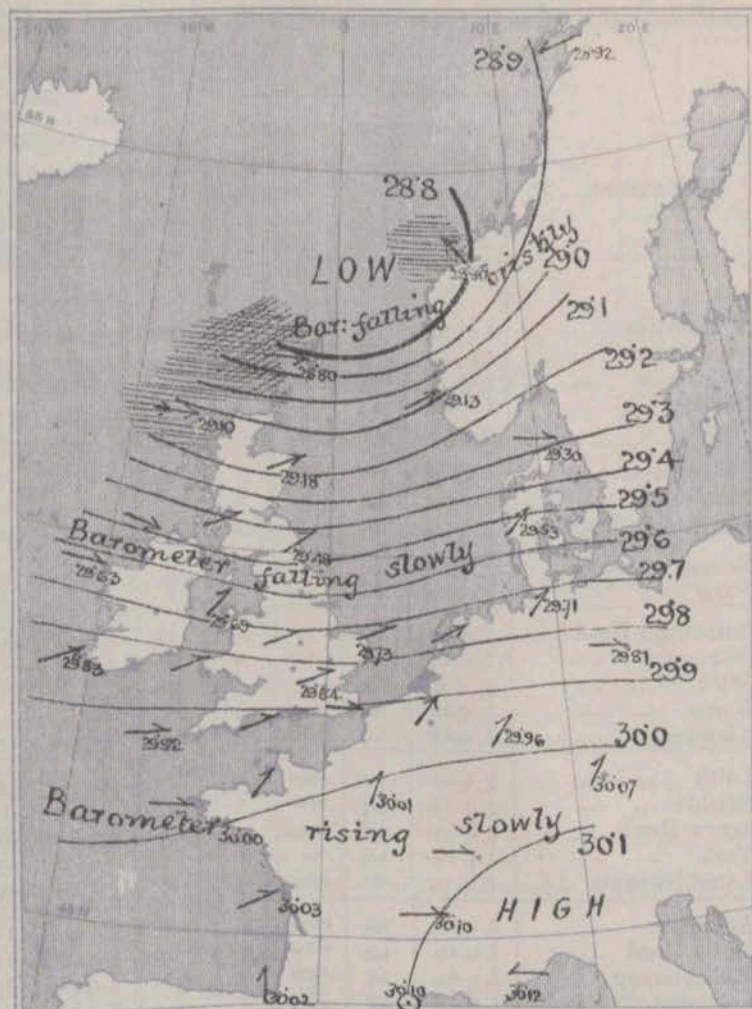
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.783
Nairn	29.810
Aberdeen	29.815
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrumnan	29.865
Mullaghnore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.926
Rocha's Point	29.947
Pembroke	29.929
Silly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

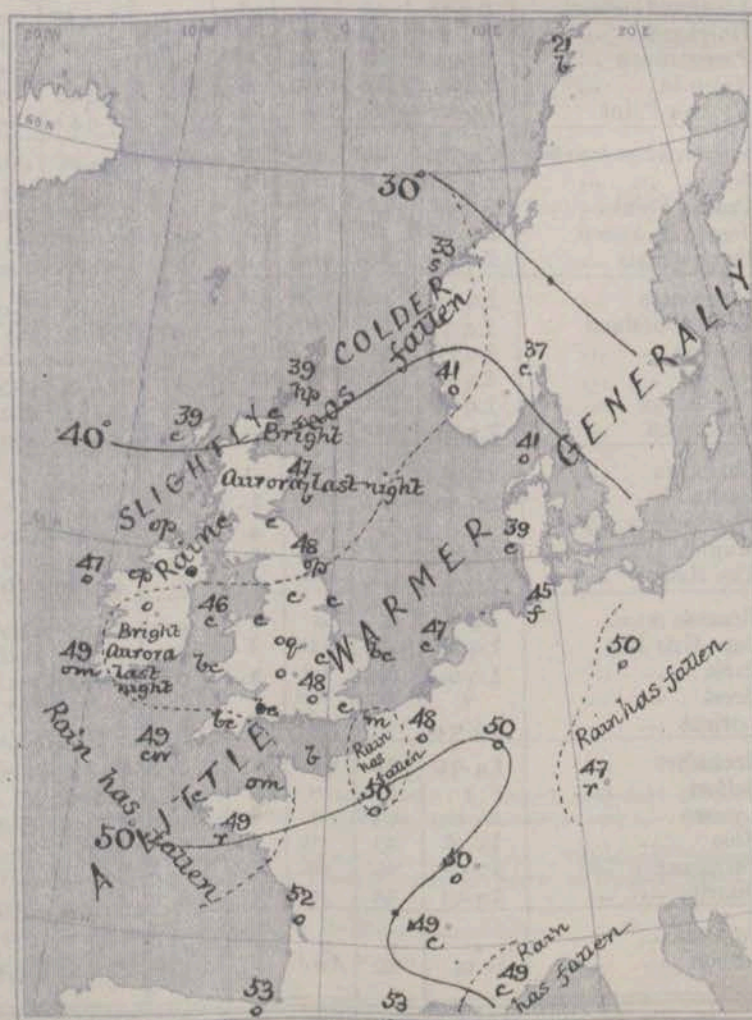
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	42.6	33.9	38.3	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.92
Nairn	45.0	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.6	37.7	1.41
Shields	45.9	33.2	39.4	37.8	1.75
Spurn Head	44.7	30.6	39.7	38.4	1.22
York	48.1	34.8	38.5	37.0	1.73
Loughborough	49.5	34.2	39.0	37.3	1.84
Ardrumnan	46.3	33.3	40.1	38.5	2.14
Mullaghnore	47.9	33.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.00
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	33.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	1.20
Rocha's Point	49.7	39.0	43.3	41.8	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Silly	49.5	42.3	45.0	44.2	2.10
Prawle Point	48.1	37.7	42.8	41.2	1.95
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.3	40.7	39.2	1.83
LONDON	50.9	35.4	46.1	38.2	1.49
Oxford	49.0	34.5	38.0	37.4	1.53
Cambridge	50.2	33.0	38.0	37.5	1.40
Yarmouth	45.2	31.8	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 20 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, over the southeastern parts of France.

Lowest, 28.8 in. and less, in a large depression lying to the northward of our Islands.

Gradients steep over the north of Scotland and the west of Norway, but moderate or slight elsewhere.

Barometers falling briskly in Norway, and slightly over the northern parts of our Islands, but rising in most other localities. The Swedish reports had not yet arrived.

TEMPERATURE

Highest, 53° at Barry, and Lerpignan, 52° at Rochefort, ^{51st Station} and 50° at Berlin, Wiesbaden, Paris, and Belfast.

Lowest, 21° at Bodo, 33° at Christiansund, 27° at Aker, 38° at Kiel, and 33° at Lumburg Hd and Hornumey.

The readings over Ireland and England are very uniform, the greatest difference between any two stations south of Melin Hd being only 3°.

WIND

Strong from the Wnd in the north and northwest of our Islands, with a gale in the north of Scotland.

Moderate from the SWnd over England and the south of Ireland, and fresh from the same quarter on the eastern shores of the North Sea.

SE³ or E⁴ in the west of Norway; variable over the southern parts of France.

WEATHER

Rain over the greater part of the United Kingdom, but showery on our extreme north and northwest coasts, with hail at Lumburg Hd.

Dull at most of the Continental stations, with snow at Christiansund, and with rain at Munich.

Brilliant Aurora was seen last night in the north of Scotland and also at Rockpoint. Lightning occurred at Lyons.

SEA

High at Lumburg Hd and rough in the extreme north generally, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression in the north will probably travel away to the eastward shortly, but other disturbances are very likely to approach our north and northwest coasts. Rough unsettled weather is likely to continue for a time over the northern parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 16th March, 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ^{ly} gales, moderating later, squally, shortly.
1	SCOTLAND EAST	SW ^{ly} and W ^{ly} winds, fresh or strong, fair generally, but local showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	SW ^{ly} and W ^{ly} winds, moderate; fair generally.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N ^o 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as N ^o 3 to 5.
9	IRELAND NORTH	
10	IRELAND SOUTH	W ^{ly} winds, strong, squally, showery.
		Same as N ^o 1 and 2.
	WARNINGS	NONE ISSUED.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Slieve Donard ...	29.25	40	59	SSW	7	c	4	Valencia ...	29.85	50	49	WSW	2	c.p	2
Samburgh Head ...	29.01	45	44	WSW	3	c	6	Scilly ...	29.83	51	51	SW	3	f	2
Stornoway ...	29.23	47	46	SW	4	0	4	Jersey ...	29.90	51	50	SW	2	0	2
Aberdeen ...	29.31	51	46	WSW	5	ogyp	4	Hurst Castle ...	29.85	49	47	WSW	2	c	1
Shields ...	29.58	47	44	WSW	5	0	2	Dungeness ...	29.80	50	48	W	3	m	2
Ardrossan ...	29.55	47	46	WSW	4	0	4	North Foreland ...	29.76	54	50	W	3	0	3
Malin Head ...	29.53	46	45	WSW	6	0	4	London ...	29.80	52	48	WSW	3	og	4
Mullaghmore ...	29.68	48	44	WSW	5	og	4	Yarmouth ...	29.73	51	46	W	3	bcn	2
Belmullet ...	29.70	48	45	SW	6	0	4	Rochefort ...	29.96	56	55	WSW	2	0	2
Holyhead ...	29.75	48	46	SW	2	c	2								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning extremely variable; temporarily fine in several parts of our Islands, clear and bright in many parts of London and Scotland, as well as in the extreme southeast of Europe, cloudy as a whole elsewhere, foggy in the Channel, — with rain at St. Moritz and Edinburgh Hts., snow at St. Petersburg and Archangel. A little rain in the west and north of our Islands and in some parts of France later, lightning at Lyons. Brilliant Aurora seen at several northern stations and at Rochepoint.

Temperature risen decidedly over Central and southern Europe, as well as over central and northern Russia. Morning readings ranging from 60° and more at Algiers and La Calle, and from 50° and more at many of the Mediterranean and Spanish stations, and also at Seilly, Brussels and Münster to between 40° and 43° on our northeast coasts, and to much below the freezing point over northern Europe. Lowest of all - 9° F. at Hakaranda, - 5° at Uleaborg, + 12° at Helsingfors, 13° at Riga, 18° at Archangel. Rising later to 50° and more in the northeast of Scotland, to between 53° and 57° over Central England, to 61° at Biarritz, 64° at Lisbon, and 65° at Lyons.

Wind extremely variable over southeastern and southern Europe, with the Mediterranean; mainly W over the more northern countries, and fresh to strong in force over Scotland and the west of Norway. Direction becoming more uniformly W over our Islands later, and force increasing somewhat over England.

Barometer highest 30.2 in: and more to 30.0 in: over southeastern, southern, and southwestern Europe as a whole. Lowest 28.9 in: and less to 29.0 in: in a depression over the north of Russia; 29.1 in: and less in another over the Shetlands and their neighbourhood; several very shallow local disturbances over Germany, France, and England. Falling over Scandinavia later, but inclined to rise over France and the southern parts of the British Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 16th March, 1893

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER		SHADE TEMP.			WIND.		Sea (0 to 3).	SHADE TEMP.		Amount of Rainfall.				
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).		Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.		Force (0 to 12).	Weather.		Max.	Min.		
						Inch.								°			Inch.			°	°
SCANDINAVIA.	Haparanda ...	28.49	13	ENE	2	0	28.62	- .87	18	15	+ .24	NE	4	S	#	0	18	20	0.16		
	Hernösand ...	28.79	19	NE	2	S	28.76	- .27	13	12	- .5	2	0	f	#	S	28	13	0.12		
	Stockholm ...	29.09	40	SW	6	0	29.04	- .14	37	33	- .2	WSW	6	b	#	0	45	34	-		
	Wisby ...	29.32	39	SSW	8	c	29.28	- .06	39	35	+ .1	W	10	b	#	c	41	32	-		
	Bodö ...	28.68	21	ENE	6	b	28.58	- .34	19	18	- .2	ENE	5	S	3	b	25	18	-		
	Christiansund...	28.56	36	SSW	5	S	28.54	- .26	37	34	+ .4	WSW	7	c	5	S	37	32	0.63		
	Skudesnaes ...	29.08	40	WSW	8	c	29.04	- .09	37	35	- .4	SW	5	0	6	c	42	32	-		
	Christiania Fjord (Frier)	29.06	38	SSW	8	b	29.11	- .02	37	34	0	WSW	8	b	5	b	39	36	-		
	Skagen (The Scaw)	29.26	38	W	5	0	29.24	- .06	37	36	- .4	W	4	c	3	0	43	34	0.08		
	Fanö ...	29.48	41	W	6	0	29.42	- .11	39	38	0	SW	4	0	#	0	45	39	-		
ISLANDS.	Sumburgh Head	28.82	36	W	7	cpk	29.01	+ .21	29	29	- .10	WNW	3	S	5	bc, chp	41	29	0.10		
	Stornoway ...	29.20	33	W	6	S	29.22	+ .12	30	30	- .9	W	3	S	4	S	41	26	0.16		
	Wick ...	29.11	34	W	8	0	29.08	+ .06	32	31	- .6	W	6	cu	3	0	43	27	0.24		
	Nairn ...	29.24	35	WNW	4	0	29.21	+ .07	33	31	- .9	WSW	2	op	1	0	44	28	0.11		
	Aberdeen ...	29.27	40	W	7	bq	29.21	+ .03	36	31	- .11	WNW	6	bq	3	bc, q	50	33	-		
	Leith ...	29.38	41	WSW	5	bc	29.34	+ .02	34	32	- .13	WSW	4	bc	#	bc	51	32	0.09		
	Shields ...	29.45	48	WSW	5	c	29.40	- .08	36	34	- .12	WNW	2	b	2	c, hq	52	33	0.07		
	Spurn Head ...	29.56	49	SW	5	0	29.45	- .18	44	43	- .3	WNW	6	0	4	op	51	43	0.03		
	York ...	29.55	49	WSW	4	0	29.50	- .10	40	36	- .7	WNW	1	b	#	0	52	38	0.04		
	Loughborough	29.67	51	WSW	4	c	29.53	- .20	47	43	- .1	WSW	6	bc, q	#	c	55	44	0.01		
BRITISH ISLANDS.	Ardrossan ...	29.45	42	W	4	op	29.39	- .05	37	36	- .9	WNW	5	c, q, p	4	op	47	32	0.18		
	Malin Head ...	29.45	39	WNW	7	c, q, p	29.40	- .03	37	35	- .7	WNW	6	c, q, h, p	4	c, q, p, l	47	34	0.16		
	Mullaghmore ...	29.58	45	W	6	cpm	29.55	- .03	39	36	- .8	WNW	6	c, q	5	q, p, l	48	34	0.09		
	Belmullet ...	29.62	45	W	4	op	29.63	- .00	36	35	- .11	WNW	5	b, q, p	#	cp, l	49	35	0.23		
	Donaghadee ...	29.58	45	WNW	7	0	29.53	- .04	34	34	- .13	W	5	t	3	og	52	32	0.09		
	Liverpool (Bidston)	29.63	48	SW	3	0	29.58	- .10	40	38	- .7	W	4	bc	4	0	45	39	-		
	Holyhead ...	29.64	47	SW	3	c	29.59	- .10	41	39	- .5	WNW	3	c	3	c	50	40	-		
	Parsonstown ...	29.68	47	SW	1	0	29.64	- .06	39	37	- .7	SW	1	c	#	0	52	35	0.04		
	Valencia ...	29.80	48	WSW	3	cm	29.77	- .06	44	43	- .5	WNW	4	og	5	c, p, cm	52	43	0.11		
	Roche's Point	29.77	52	W	4	b	29.72	- .09	45	43	- .3	W	3	b	3	c, b, p	54	43	0.01		
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	29.75	47	SW	5	c	29.71	- .11	44	42	- .3	WNW	5	c, q, p	5	c	48	41	0.05		
	Scilly ...	29.89	50	WSW	5	cp	29.81	- .11	48	48	- .1	WNW	5	op	3	c	55	47	0.02		
	Prawle Point ...	29.87	47	WSW	5	bc	29.79	- .14	48	47	+ .1	SW	5	c	4	cp	51	46	0.02		
	Jersey (St. Aubin's)	29.96	50	WSW	3	bc, m	29.89	- .09	49	47	0	WSW	4	c, g, m, w	3	bc	54	46	-		
	Hurst Castle ...	29.85	47	WSW	6	c	29.75	- .15	47	46	0	W	6	c	3	c	51	46	-		
	Dungeness ...	29.80	47	W	5	bc	29.69	- .17	47	47	+ .1	W	6	0	4	bc	57	45	0.02		
	North Foreland	29.77	50	W	6	c, q, p	29.66	- .18	49	46	0	WSW	5	og	5	c, q, p	55	44	-		
	London ...	29.79	49	SW	2	bc	29.67	- .17	48	45	0	SW	4	bc	#	c, o	55	45	0.01		
	Oxford ...	29.77	48	WSW	4	0	29.65	- .17	47	45	0	SW	3	ou	#	c, o	55	45	0.01		
	Cambridge ...	29.72	53	SSW	6	0	29.61	- .17	48	46	0	SSW	5	c	#	0	58	45	-		
FRANCE AND BELGIUM.	Yarmouth ...	29.67	53	W	5	bc	29.55	- .18	47	45	0	WSW	5	c	3	bc	55	44	-		
	Cuxhaven ...	29.70	45	WSW	5	0	29.58	- .13	46	45	+ .1	SW	4	f	#	0	49	44	-		
	Berlin ...	29.77	50	SW	4	0	29.71	- .10	48	46	- .2	SW	3	0	#	0	55	45	0.04		
	Wiesbaden ...	29.91	48	SW	4	0	29.91	- .05	45	43	- .5	W	1	bc	#	#	57	45	0.04		
	Munich ...	30.03	48	SW	4	0	29.97	- .10	44	43	- .3	W	4	r	#	b	57	41	0.04		
	The Helder ...	29.71	45	SW	6	c	29.60	- .18	44	43	0	SSW	6	c	3	c	46	43	-		
	Brussels (9 a.m.)	29.81	43	41	- .5	SW	5	bc	#	bc	55	41	-								
	Cape Gris Nez	29.82	47	W	4	bc	29.72	- .12	46	46	0	SW	5	c	5	bc	50	45	-		
	Paris ...	29.95	53	W	3	b	29.95	- .06	43	41	- .7	SSW	2	b	#	b	59	42	-		
	Brest ...	30.00	51	W	3	c	30.00	?	50	49	+ .1	WSW	3	c	3	c	55	46	-		
PENINSULA.	Lorient ...	30.00	50	WSW	4	c	29.97	- .03	49	47	0	WSW	4	bc	2	c	57	48	-		
	Rochefort ...	30.02	53	WNW	3	c	30.01	- .02	47	46	- .5	2	0	bc	#	c	59	45	-		
	Belfort ...	30.04	51	SW	1	bc	30.01	- .09	47	46	- .2	SW	3	0	#	bc	57	44	0.04		
	Lyons ...	30.04	51	S	1	0	30.06	- .06	49	49	0	W	1	0	#	0, t	65	46	0.28		
	Nice ...	30.09	60	E	7	b	30.06	- .06	49	49	0	2	0	0	#	b	55	48	0.08		
	Perpignan ...	30.06	57	E	2	0	30.04	- .06	54	53	+ .1	2	0	0	#	0	60	52	-		
	Biarritz ...	30.01	55	ENE	3	0	29.98	- .04	52	51	- .1	H	2	m	2	0	59	50	-		
	Corunna ...	29.89	60	ENE	4	0	29.85	- .18	57	54	+ .6	ESE	3	0	#	0	66	51	-		
	Lisbon ...	29.89	60	ENE	4	0	29.85	- .18	57	54	+ .6	ESE	3	0	#	0	66	51	-		

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 16th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4;
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough, ▩ = High.

MEAN HEIGHT OF THE BAROMETER

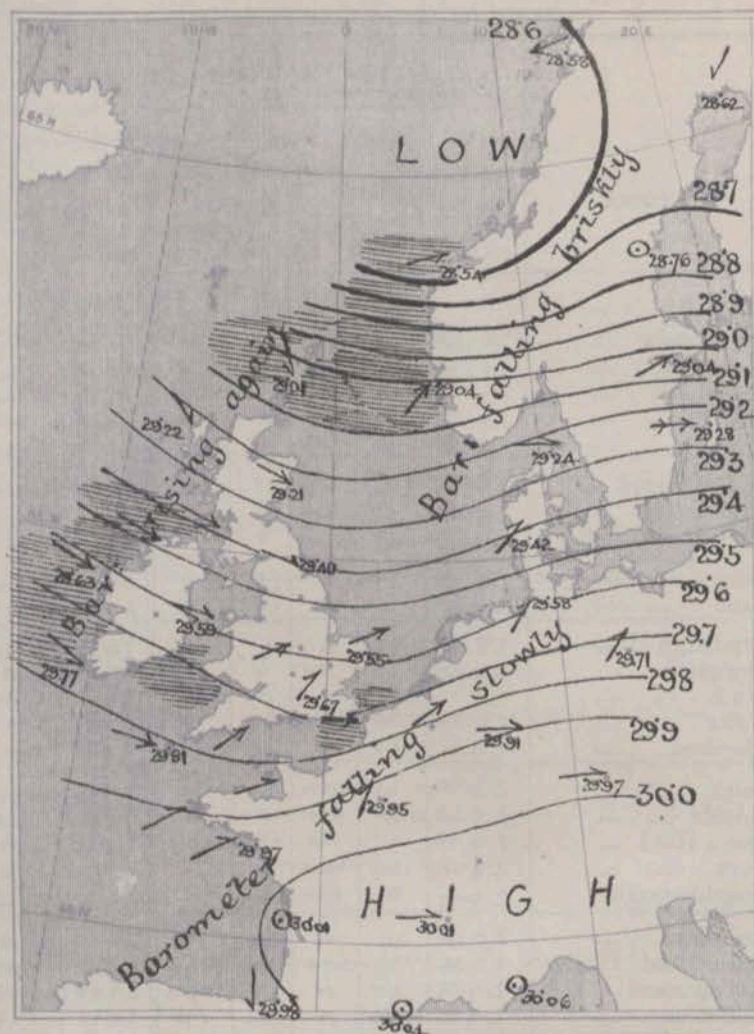
at 8.0 a.m. for the month of March

During the 20 Years, 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.798
Nairn	29.810
Aberdeen	29.825
Leith	29.858
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardaraan	29.865
Mullagmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.924
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Silly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by letters of the Beaufort Scale.

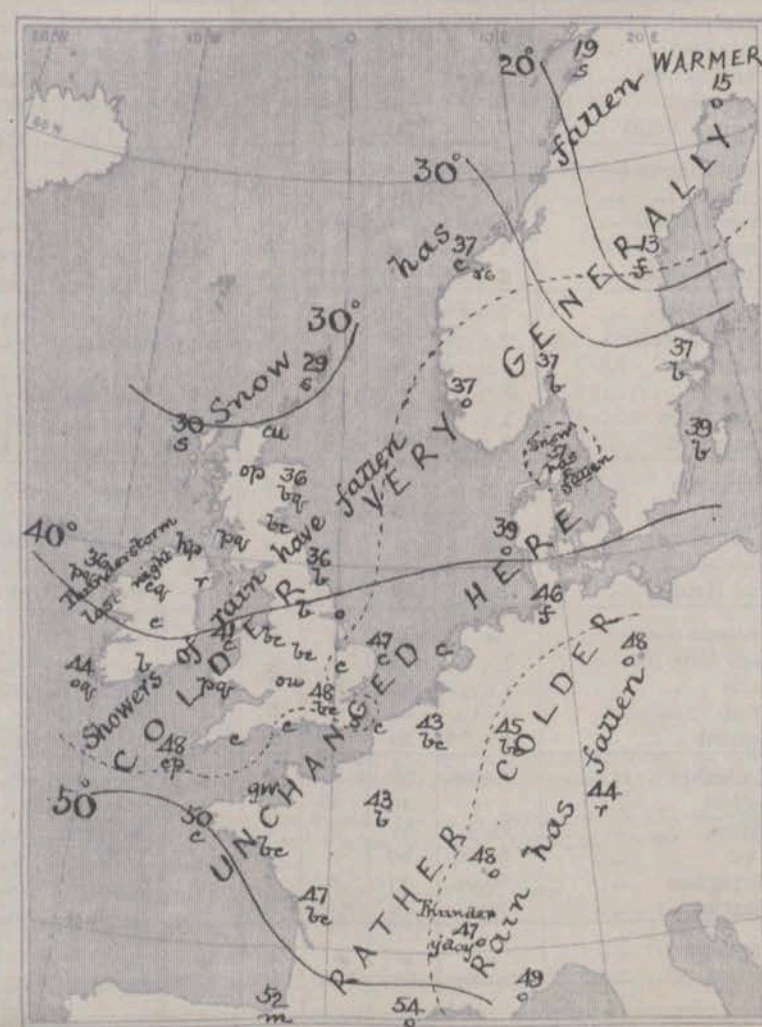
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

(For the month of March.)

STATIONS	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 p.m.	
Sumburgh Head	42.6	33.0	38.3	36.0	2.79
Stornoway	44.0	34.0	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.92
Nairn	45.6	33.0	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.0	34.0	39.6	37.7	1.41
Shields	45.0	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.6	37.0	1.73
Loughborough	49.6	34.2	39.0	37.3	1.64
Ardaraan	46.3	36.2	40.1	38.5	2.44
Mullagmore	47.0	38.4	41.2	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.3	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	49.6	39.1	42.1	40.3	2.40
Silly	49.5	42.5	45.0	44.2	2.40
Prawle Point	48.1	37.7	43.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	48.4	36.9	40.7	39.2	1.82
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.5	38.9	37.4	1.69
Cambridge	50.2	33.0	38.0	37.3	1.40
Yarmouth	45.2	31.0	40.2	38.6	1.82

NOTE—The Temperatures means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in: and upwards over the southern parts of France.

Lowest, 28.6 in: and less, in a large depression lying off the west of Norway.

Gradients rather steep over the southern half of Scandinavia, but moderate or slight elsewhere.

Barometer rising in the extreme west and north of our Islands, but falling elsewhere—quickly in Scandinavia.

TEMPERATURE

Highest, 57° at Lisbon, 54° at Reims, 52° at Bunnitz, 50° at Thurt, and 49° at Jersey, the North Foreland, Lorient, and Nies.

Lowest, 13° at Helsingfors, 15° at Haparanda, 19° at Bodö, 29° at Leningrad, 30° at Lomvåg, and 32° at Niek.

A considerable fall has taken place in the north of our Islands, and a less decided fall in the west.

WIND

Moderate to strong from the Wnd or NWnd on our western and northern coasts, but from the SWnd in the southeast of England, as well as over Germany, the Netherlands, and the north of France.

Calm or light and variable over the southern parts of France.

Strong to a gale from the Wnd in the south of Scandinavia, but moderate from the End or NEnd in the north.

WEATHER

Fine at many of our eastern stations, but cloudy and showery in the west and north, with snow in the Shetlands and Hebrides.

Varying greatly in different parts of the Continent, but cloudy in most places, with rain at Munich, and with snow in the north of Scandinavia.

A little rain fell yesterday in most parts of the United Kingdom, and thunder and lightning occurred in the north of Ireland at night.

Thunder is also reported at Lyons.

SEA

Rather rough on the Norwegian coasts, as well as at several of our own stations in the west and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of the advance of any new depression of importance, but secondary disturbances are passing eastwards across our Islands, so that showery weather is probable in most districts. A decided fall of temperature is likely to take place over England.

FORECASTS

For the 24 hours ending at NOON on 17th March, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | NW ^{ly} winds, strong to moderate; changeable, some snow or sleet showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | W ^{ly} winds, fresh; fair generally, but local showers. |
| 3 | ENGLAND EAST | SW ^{ly} to W ^{ly} winds, fresh; fair generally, but local showers. Colder. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | W ^{ly} and NW ^{ly} winds, fresh; changeable some showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NW ^{ly} winds, backing later; changeable, showery. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THEM.	WIND.	P.	WEA.	SEA.		BAR.	THEM.	WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dir.					Dry.	Wet.	Dir.		
Skudesnaes ...	29.13	42	39	WSEW	8	c	6	Valencia ...	29.81	49	48	WSEW	4
Stamburgh Head ...	28.75	39	25	W	9	bc	7	Scilly ...	29.92	54	50	W	4
Stornoway ...	29.16	39	38	W	7	s	6	Jersey ...	29.98	52	49	WSEW	3
Aberdeen ...	29.22	46	39	W	7	bcq	4	Hurst Castle ...	29.87	51	49	WSEW	5
Shields ...	29.44	52	48	SW	7	c	2	Dungeness ...	29.84	50	49	W	6
Ardrossan ...	29.43	42	41	W	4	o	3	North Foreland ...	29.78	55	50	W	7
Malin Head ...	29.46	44	42	WSEW	6	o	5	London (Windsor) ...	29.81	53	49	W	3
Mullaghmore ...	29.59	47	44	WSEW	7	opq	5	Yarmouth ...	29.69	55	49	W	5
Balmullet ...	29.65	47	43	W	4	c	8	Rocheport ...	30.06	54	53	W	2
Holyhead ...	29.66	49	48	SW	4	c	4						

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fair and quiet over the Mediterranean and southern countries of Europe, but cloudy in many places — very changeable over the northern countries, the sky being cloudy or overcast with rain showers in Ireland, hail in the Fethlands, snow over Finland, fog at Riga, haze in many parts of the Channel. Some rain falling later over the greater part of the United Kingdom, Germany, and also in the south of France. Considerable snow at Chirkmand and over the northern parts of Scandinavia; thunder and lightning in the northwest of Ireland, and at Lyons.

Temperatures risen a little except in Scotland, highest readings 62° at Palermo, 60° at Algiers, and exceeding 50° at most stations in the south of Europe; below 50° over the United Kingdom, below 40° over Scandinavia, the Baltic, and Russia, and lowest of all -12° F. at Anapa, -1° at Archangel, +12° at Krasnodar, 21° at Rode, 31° at Moscow. Rising later to between 50° and 55° over Great Britain and some parts of Ireland, to 59° at Paris and Rochefort, 65° at Nice, and 66° at Lyons.

Wind light over the southern countries, and mainly SE³ to E⁵ at the Mediterranean stations; chiefly W⁴ or SW¹ over the northern countries, the North Sea, and the Baltic — moderate to strong in force and gusty — and blowing a gale over the Fethlands and north of Scotland. A SE³ to E³ breeze prevalent over the northern half of Norway. W⁴ gale extending to Norway later, and spreading somewhat down our east coasts.

Barometer highest 30.2 in. and upwards over the Eastern parts of the Mediterranean, 30.0 in. and upwards over all the more southern countries of Europe. Lowest, 28.8 in. and less, in a large depression lying to the northward of our Islands; gradient rather steep over Scotland and the northern parts of the North Sea. Depression subsequently moving slowly eastwards, and barometer rising on our northern coast, slight fall taking place over England and Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 17th March,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETR.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.					
SCANDINAVIA.																					
Haparanda ...	28.83	13	Z	0	0	28.83	+2.1	-1	-1	-16	W	4	b	#	0	19	?	0.12			
Hernösand ...	28.74	10	Z	0	c	28.81	+0.5	21	20	+8	Z	0	0	#	c	27	3				
Stockholm ...	28.78	37	SW	9	0	28.99	-0.5	28	27	-9	W	8	S	#	0	45	27				
Wisby ...	29.09	36	SW	9	b	29.15	-1.3	33	32	-6	WNW	6	b	#	6	43	33				
Bodö ...	28.69	19	ENE	4	b	28.93	+3.5	17	16	-2	ENE	2	b	1	6	28	16				
Christiansund...	28.87	35	NSW	9	S	28.94	+1.4	31	29	-6	S	1	b	4	S	37	28	0.28			
Skudesnaes ...	29.19	35	W	6	c	29.25	+2.1	33	28	-4	W	7	c	4	c324	37	28				
Christiania Fjord (Furder)	28.99	38	W	5	b	29.15	+0.4	31	27	-6	W	5	b	4	b	37	28				
Skagen (The Scaw)	29.11	35	W	7	c	29.28	-0.1	34	31	-3	W	8	b	2	c	41	32	0.08			
Fanö ...	29.38	36	W	6	c	29.34	-0.8	33	32	-6	W	6	b	4	c	41	32	0.04			
BRITISH ISLANDS.																					
Sumburgh Head	29.20	32	N	1	c	29.41	+1.4	28	26	-1	WNW	4	c	4	0.2	34	26	0.01			
Stornoway ...	29.33	31	W	4	c	29.64	+1.4	30	30	0	Z	0	W	2	c	36	25	0.20			
Wick ...	29.17	32	W	4	c	29.57	+1.4	32	31	0	W	3	b	2	c	35	26	0.10			
Nairn ...	29.36	30	W	2	c	29.62	+1.4	29	28	-4	Z	0	b	1	c	35	23	0.13			
Aberdeen ...	29.36	35	WNW	4	bq	29.61	+1.4	34	31	-2	WNW	4	bq	4	bq, s	42	29	0.03			
Leith ...	29.46	33	W	3	S	29.62	+2.8	37	33	+3	NE	2	b	4	S	42	30	0.01			
Shields ...	29.50	38	NSW	4	b	29.56	+1.6	34	33	-2	WNW	4	c	2	W, b	42	30	0.03			
Spurn Head ...	29.58	39	WNW	6	oq, p	29.59	+1.4	35	34	-9	WNW	6	b, c, p	5	oq, p	45	33	0.04			
York ...	29.59	49	NSW	4	0	29.63	+1.3	34	33	-6	W	4	b	4	0	47	31	0.08			
Loughborough	29.69	38	WNW	3	b	29.76	+2.3	32	32	-15	WNW	5	b, c, p	4	b	50	32	0.06			
GERMANY & HOLLAND.																					
Ardrossan ...	29.50	37	WNW	5	c, q, p, s	29.65	+2.6	36	32	-1	NE	1	b	1	q, p, s	41	31	0.08			
Malin Head ...	29.56	35	WNW	6	b, q, s	29.67	+2.7	35	35	-2	WNW	8	o, q, s	7	q, h, b	40	32	0.07			
Mullaghmore ...	29.69	38	WNW	7	b, c, q, s	29.87	+3.3	40	36	+1	W	8	c, q, q	6	q, h, s	48	33	0.16			
Belmullet ...	29.76	39	WNW	6	b, c, q, p	29.98	+3.5	40	38	+4	W	5	b, c	4	b, c, q, p	42	35	0.27			
Donaghadee ...	29.64	39	W	6	0	29.73	+2.0	35	34	+1	WNW	6	b, c, p, s	4	q, p, s	44	32	0.10			
FRANCE AND BELGIUM.																					
Liverpool (Bidston)	29.67	38	W	6	b	29.74	+1.6	39	35	-1	W	8	c	7	b	44	34	0.04			
Holyhead ...	29.70	39	W	4	b, c, q	29.83	+2.4	38	37	-3	WNW	6	b, q	5	c, h, p, q	45	35	0.12			
Parsonstown ...	29.80	39	SW	1	c	29.96	+3.2	37	36	-2	W	1	b	4	c	44	33	0.02			
Valencia ...	29.95	45	WNW	5	c, q	30.12	+3.5	45	43	+1	W	6	c, q	5	c, q, m, q	47	39	0.02			
Roche's Point	29.88	43	W	5	b	30.05	+3.3	43	40	-2	WNW	3	b	3	q, t, b	47	38				
PENINSULA.																					
Pembroke (St. Ann's Hd.)	29.82	43	W	5	b, c	29.95	+2.4	43	41	-1	W	6	b, c, p	5	b, c	47	41	0.03			
Scilly ...	29.90	47	WNW	5	c	30.06	+2.5	46	43	-2	W	5	b, c, p	4	0.2	51	42	0.01			
Prawle Point ...	29.85	43	W	3	c	30.02	+2.3	40	39	-8	W	5	b, c	3	c, p	50	37	0.06			
Jersey (St. Aubin's)	29.88	51	W	5	b, c, p	30.05	+1.6	46	40	-3	W	4	b, c, m	3	b, c, p	54	42	0.03			
Hurst Castle ...	29.79	45	WNW	4	q, b, c, p	29.93	+1.8	42	40	-5	W	6	b, c	4	c, q, p	50	38	0.23			
FRANCE AND BELGIUM.																					
Dungeness ...	29.71	46	W	5	q, p	29.82	+1.3	40	38	-7	WNW	6	b, c	5	c, q, t, q	52	35	0.03			
North Foreland	29.67	45	W	2	b, q, p	29.78	+1.2	40	36	-9	W	6	b, c, q	4	1.5, b, q, p	54	34	0.06			
London ...	29.72	42	W	2	c, p	29.83	+1.6	40	35	-8	W	3	b	4	c, p, h, b	55	34	0.05			
Oxford ...	29.78	39	W	2	b	29.84	+1.9	37	34	-10	W	2	0.5	4	0.5	51	35	0.02			
Cambridge ...	29.68	45	NSW	3	c	29.77	+1.6	37	35	-11	NSW	5	c	4	c	53	33	0.05			
Yarmouth ...	29.62	43	WNW	5	c	29.66	+1.1	36	34	-11	WNW	6	o, q, s	4	c, p	50	33	0.04			
GERMANY & HOLLAND.																					
Cuxhaven ...	29.55	40	W	6	1	29.44	-1.1	38	37	-8	W	7	t	4	t	47	37	0.12			
Berlin ...	29.58	50	W	3	0	29.60	-1.1	39	37	-9	W	3	0	4	0	55	37	0.04			
Wiesbaden ...	*	45	SW	3	b	29.79	-1.2	42	38	-3	W	3	b, c	4	#	57	39	0.04			
Munich ...	29.93	45	SW	3	b	29.83	-1.4	45	42	+1	SW	6	c	4	b	55	41	0.04			
The Helder ...	29.68	42	W	5	b	29.60	-0.0	39	36	-5	W	8	c	4	b	46	39				
FRANCE AND BELGIUM.																					
Brussels (9 a.m.)	*	*	*	*	*	29.82	+0.1	37	35	-6	NSW	5	b	4	t	51	35	0.04			
Cape Gris Nez	29.69	47	NSW	5	t	29.78	+0.6	40	37	-6	W	6	b	6	t	50	37				
Paris ...	29.89	53	SW	5	0	29.97	+0.2	42	40	-1	NSW	3	b	4	0	58	41				
Brest ...	?	57	W	3	c	?	?	45	42	-5	W	3	c	2	c	54	41				
Lorient ...	29.97	57	NSW	4	c	30.04	+0.7	45	41	-4	WNW	4	b, c	2	c	54	45				
FRANCE AND BELGIUM.																					
Rochefort ...	30.01	53	W	3	b, c	30.04	+0.3	49	48	+2	WNW	4	0	4	b, b, c	61	47				
Belfort ...	?	47	SW	3	c	?	?	46	44	-2	W	5	0	4	c	50	41	0.04			
Lyons ...	30.01	52	E	1	b	30.06	+0.5	42	41	-5	NSW	1	b, m	4	b	59	41				
Nice ...	29.93	51	E	1	b	29.92	-1.4	46	45	-3	E	1	c	2	b	57	43				
Perpignan ...	30.01	55	SE	1	c	30.02	-0.2	50	50	-4	Z	0	f	4	c	65	48				
Biarritz ...	29.96	57	W	2	0	30.04	+0.6	54	53	+2	SE	2	f	4	0	61	50				
PENINSULA.																					
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	29.82	67	NE	4	0	29.84	-0.1	60	57	+3	W	2	0	4	0	68	57	0.20			

For Explanation of Columns see last page.

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 17th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10 → forces 8 to 10.
→ forces 5 to 7 → forces 1 to 4.
○ dead calm.

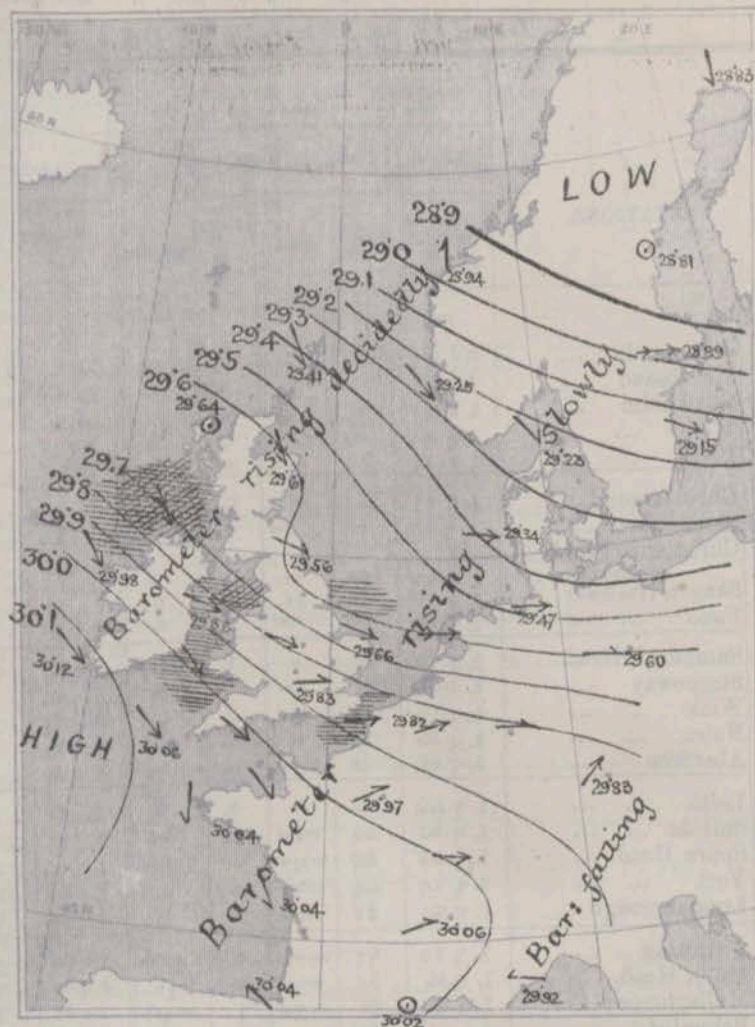
SEA DISTURBANCE—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Samburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
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Parsonstown	29.925
Valencia	29.925
Roche's Point	29.947
Pembroke	29.929
Selly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.941
Cambridge	29.941
Yarmouth	29.926



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

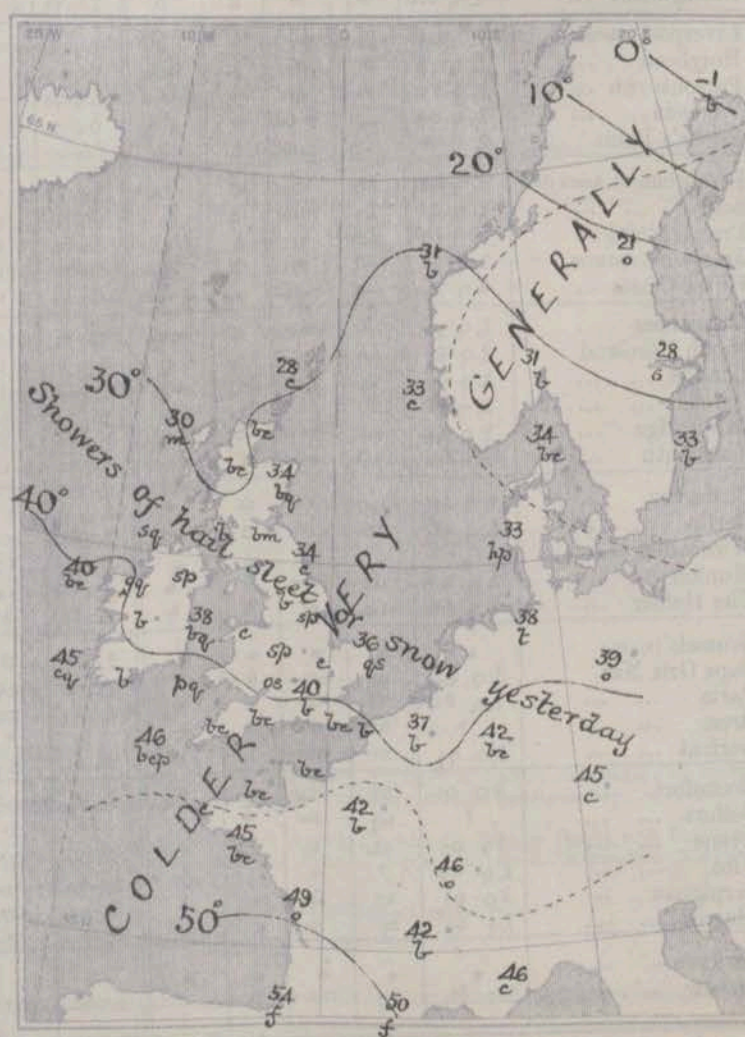
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Ave. Max.	Ave. Min.	
Samburgh Head	42.6	33.9	38.3	30.9	2.79
Stornoway	41.9	31.5	39.1	31.1	3.79
Wick	44.8	34.0	39.0	31.2	2.02
Nairn	45.0	33.9	38.0	30.2	1.88
Aberdeen	46.4	34.4	38.5	30.5	2.33
Leith	47.0	34.0	39.5	31.7	1.41
Shields	45.9	33.2	39.4	31.8	1.70
Spurn Head	44.7	30.6	39.7	31.4	1.22
York	48.1	34.0	38.5	31.0	1.73
Loughborough	49.3	34.2	39.0	31.3	1.04
Androsan	46.0	30.3	40.1	31.5	2.44
Mullaghmore	47.3	33.4	41.9	31.9	2.87
Donaghadee	47.2	31.1	40.8	30.5	3.95
Holyhead	47.2	33.9	42.0	31.9	2.27
Liverpool	47.0	30.8	40.3	31.2	1.72
Parsonstown	49.8	35.0	40.4	31.8	1.35
Valencia	51.1	40.2	44.0	42.8	1.26
Roche's Point	49.7	39.8	43.4	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Selly	49.5	42.3	46.0	44.2	2.10
Prawle Point	48.1	37.7	42.6	41.2	1.05
Jersey	49.5	39.9	44.0	42.0	2.35
Hurst Castle	47.8	37.2	41.0	40.1	1.88
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	35.2	1.40
Oxford	49.0	34.9	39.0	37.4	1.09
Cambridge	50.2	33.9	38.9	37.3	1.49
Yarmouth	46.3	34.9	40.2	38.6	1.89

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in an anticyclone lying off the southwest of Ireland.
 Lowest, 28.3 in. and less, over the northern parts of Scandinavia.
 Gradients moderate or slight generally.
 Barometer rising generally, — most in the north of our islands.

TEMPERATURE

^(65th degree)
 Highest, 54° at Limerick, 50° at Perpignan, 49° at Rochefort, and 46° at Scilly, Jersey, Dieppe, and Nice.

Lowest, -1° F. at Haparanda, +21° at Helsingfors, 28° at Stockholm and Lumburg, 40°, and 29° at Kain.

Frost occurred last night in many parts of Great Britain, the lowest readings in the screen being 23° at Kain, and 25° at Lumburg and Amsterdam.

WIND

Chiefly W¹ or NW¹, moderate in force on our northern coasts, but fresh or strong elsewhere, with a gale at some of our north-western stations, as well as at Stockholm and the Helder.

Variable in the south of France and also over the northern part of Scandinavia.

WEATHER

Fine in Scotland, but showery over Ireland and England, with sleet or snow in many places.

Fair at many of the Continental stations, but foggy at Haritz and Perpignan. Snow is reported at Stockholm and Helsingfors.

In the course of the past 24 hours showers of rain, snow or hail have occurred in nearly all parts of Western Europe.

[The newspapers report the occurrence of a smart thunderstorm in Glasgow yesterday morning].

SEA

High at Malin Head and Liverpool, and rough or rather so on the more exposed parts of our western, southern, and eastern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Shallow secondary depressions are still passing across Ireland and England from the westward, and gusty, showery weather seems likely to continue in all the more western and southern parts of the Kingdom.

FORECASTS

For the 24 hours ending at NOON on 18th March, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | NW ¹ winds, backing later; fine to changeable and showery. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | W ¹ to NW ¹ winds, fresh or strong; squally, with snow or sleet showers. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | Same as Nos. 0 and 1. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NW ¹ winds, strong, squally, some cold showers. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| WARNINGS | | NONE ISSUED. |

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.		THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.04	36	34	W	5	cshg	6	Valencia ...	29.89	47	42	W	5	cqm	5	
Sumburgh Head ...	29.14	33	32	N	2	o	3	Soilly ...	29.85	50	48	W	5	o	3	
Stornoway ...	29.32	31	31	W	4	s	4	Jersey ...	29.88	53	50	W	5	bc	4	
Aberdeen ...	29.30	42	34	W	6	bg	3	Hurst Castle ...	29.75	47	47	W	5	cqp	3	
Shields ...	29.46	40	38	W	3	o	2	Dungeness ...	29.68	51	49	W	7	cqp	3	
Ardrossan ...	29.47	40	39	W	3	c	4	North Foreland ...	29.65	52	49	W	6	n	4	
Malin Head ...	29.49	38	37	W	7	o	5	London (Westminster) ...	29.69	50	45	W	3	op	3	
Mullaghmore ...	29.65	38	37	W	7	cqh	5	Yarmouth ...	29.58	49	43	W	5	c	3	
Belmullet ...	29.72	42	37	W	6	bgp	4	Rochefort ...	30.02	59	54	W	1	b	4	
Holyhead ...	29.66	43	40	W	5	chp	4									

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright in the south of Sweden and over several parts of southeastern Europe and Algeria, and moderately fair over the southern half of Europe and the Mediterranean generally, cloudy or overcast over the greater part of the northern countries, and very changeable; showers of cold rain, hail, or snow falling over the western and northern parts of the United Kingdom, snow over Lapland, rain at St. Petersburg and also at Munich. Similar falls reported later over the British Isles, the North Sea, the Baltic, and Germany, but amounts reported slight. [Newspapers report a thunderstorm at Glasgow]

Temperature rising quickly over Finland and the north of Russia, moderately over central and southern Russia, fallen over Western Europe generally. Morning readings exceeding 60° at Malta, Palermo, and Algiers and exceeding 50° at most of the Mediterranean and Spanish stations, but below 50° over the British Isles, central, and southeastern Europe, and much lower in the far north. Lowest of all 5° at Archangel, 13° at Helsingfors, 15° at Haparanda, 15° at Umeå, 37° at Christiania, Stockholm and St. Petersburg. Rising later to 61° at Christiania, to 50° or more at most of the French and German stations and over the south of England, but not touching 40° in the northeast of Scotland and in Norway. Succeeding night, ^{with} over our islands generally.

Winds variable in direction and light to moderate in force over all the southern countries and the Mediterranean. Fresh to strong from W and NW over the British Islands, and from SW over the Netherlands and Germany; strong to a gale from the W over the southern half of Scandinavia, and from SW over the Gulf of Finland, but moderate from NE over Lapland, and very light NE at Archangel. Veering to NW in Norway later, and a NW current spreading southwards over the west and north of France.

Barometer highest 30.1 ins. and more to 30.0 ins. over the whole of southeastern and southern Europe, and the Mediterranean. Lowest 28.6 ins. and less, in depressions over the northern half of Scandinavia. Gradients slight over the southern countries, moderate to rather steep over the northern. Rising somewhat decidedly in the west and north of our islands later, falling over Sweden and the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 18th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Issues by Meteorological Office, 65, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom. Reading at 32° F. and Sea Level.	TEMP. Dry Bulb.	WIND. Direc.	Force (0 to 12).	Weather.	Barometer. Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	SHADE TEMP.		WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.				
								Dry Bulb.	Wet Bulb.	Change in dry shade Yesterday.	Direc.			Force (0 to 12).	Weather.		Max.	Min.		
Inch.	°				Inch.	°	°	°					°	Inch.						
SCANDINAVIA.																				
Haparanda ...	29.01	6	N	2	b	29.31	+ .48	10	9	+ 11	NW	2	b	#	b	16	- 6			
Hernösand ...	29.19	19	Z	0	o	29.35	+ .74	13	12	- 8	Z	0	bc	#	o	27	5	0.04		
Stockholm ...	29.20	27	Z	0	b	29.39	+ .40	23	21	- 5	N	6	S	#	b	37	23			
Wisby ...	29.26	32	WNW	4	b	29.37	+ .22	31	30	- 2	WNW	4	b	#	b	41	30			
Bodö ...	29.23	28	WNW	4	b	29.38	+ .45	27	24	+ 10	WNW	6	c	#	b	28	16			
Christiansund...	29.32	33	NE	3	o	29.72	+ .78	32	31	+ 1	E.NE	4	S	5	o	36	30			
Skudesnaes ...	29.41	32	NW	9	o	29.65	+ .40	33	32	0	NW	7	c	5	ohsq	36	28	0.35		
Christiania Fjord (Færder)	29.09	34	W	5	o	29.52	+ .37	28	27	- 3	NNE	6	b	2	o	34	28			
Skagen (The Scaw)	29.42	35	NW	5	bc	29.44	+ .21	32	30	- 2	NNE	6	bc	5	bc	37	30	0.04		
Fanö ...	29.56	33	WNW	8	b	29.38	+ .24	33	31	0	WNW	7	c	#	b	36	30	0.04		
Sumburgh Head	29.71	26	N	6	bc	29.88	+ .47	31	31	+ 3	N	6	S	6	bc	33	23	0.04		
Stornoway ...	29.92	28	NE	3	o	30.20	+ .56	32	31	+ 2	N	3	o	4	o.c	34	25	0.08		
Wick ...	29.85	30	NW	4	S	30.06	+ .49	30	29	- 2	N	4	bc	3	S	34	23	0.10		
Nairn ...	29.88	30	E.NE	3	S	30.14	+ .52	30	29	+ 1	NW	2	cp	2	S	36	23	0.06		
Aberdeen ...	29.88	32	NNE	3	ogs	30.08	+ .47	31	28	- 3	NW	5	bcq	5	cq,gs	39	26	0.09		
Leith ...	29.88	33	W	3	b	30.17	+ .55	35	30	- 2	N	2	bcn	#	b	42	28			
Shields ...	29.89	33	S	2	o	30.12	+ .56	29	28	- 5	WNW	3	bc	2	bc,so	44	26	0.03		
Spurn Head ...	29.90	39	N	2	o	30.06	+ .47	33	32	- 2	NW	5	b	5	os	40	32	0.04		
York ...	29.89	35	N	1	cs	30.14	+ .51	32	30	- 2	N	1	b	#	cs	46	29	0.02		
Loughborough	29.97	37	NW	4	bc	30.16	+ .40	34	32	+ 2	WNW	1	bcn	#	bc	45	32	0.03		
BRITISH ISLANDS.																				
Ardrrossan ...	29.93	36	W	4	esp	30.21	+ .56	36	33	0	N	1	bc	1	spc	41	30	0.04		
Malin Head ...	29.96	39	NW	6	ohqsp	30.22	+ .55	38	36	+ 3	N	1	o	3	c,hsq	39	34	0.02		
Mullaghmore ...	30.09	42	WNW	6	oqp	30.24	+ .36	40	39	0	SSW	1	om	2	bcq,spq	43	36	0.04		
Belmullet ...	30.17	44	WNW	5	o	30.23	+ .25	42	41	+ 2	NW	3	o	#	o	49	37	0.12		
Donaghadee ...	30.05	37	NW	6	c	30.25	+ .52	36	33	+ 1	NNE	5	c	4	c	42	34	0.04		
Liverpool (Bldston)	30.02	37	NW	4	c	30.21	+ .47	38	33	- 1	NW	3	b	5	c	42	35	0.03		
Holyhead ...	30.04	40	NW	5	cq	30.23	+ .40	40	37	+ 2	N	4	c	4	bc,cq	43	38			
Parsonstown ...	30.09	44	SW	1	c	30.26	+ .30	40	39	+ 3	Z	0	rm	#	c	48	36			
Valencia ...	30.26	49	WNW	3	cm	30.31	+ .19	49	48	+ 4	NW	4	bcn	4	bcq,cm	50	43	0.01		
Roche's Point	30.19	48	WNW	4	b	30.26	+ .21	49	47	+ 6	WNW	3	c	3	b	50	41			
Pembroke (St. Ann's Hd.)	30.13	44	NW	4	c	30.24	+ .29	42	41	- 1	N	2	cq	3	c	46	40	0.04		
Scilly ...	30.20	48	NW	5	bc	30.27	+ .21	49	47	+ 3	WNW	4	bcw	3	bc	51	43			
Prawle Point ...	30.16	42	WNW	3	bc	30.21	+ .14	46	46	+ 6	NW	3	pg	2	p	50	39	0.02		
Jersey (St. Aubin's)	30.16	47	WNW	4	bc	30.23	+ .18	48	44	+ 2	NW	4	cqm	3	pbc	51	42	0.01		
Hurst Castle ...	30.08	42	WNW	6	bc	30.18	+ .25	41	39	- 1	WNW	4	bc	3	bcq	47	39	0.01		
Dungeness ...	29.96	41	NW	3	c	30.07	+ .25	39	37	- 1	NW	4	c	5	cq,c	50	31	0.01		
North Foreland	29.96	36	N	2	sq	30.05	+ .27	38	33	- 2	WNW	5	bc	5	c,sg	45	34	0.03		
London ...	30.00	42	NW	3	bc	30.15	+ .32	38	35	- 2	NW	3	c	#	cph,bc	46	33			
Oxford ...	30.10	36	W	2	b	30.16	+ .32	39	35	+ 2	NW	3	b	#	sp,b	46	33			
Cambridge ...	29.99	35	WNW	1	S	30.13	+ .36	34	32	- 3	NW	3	b	#	S	49	31	0.05		
Yarmouth ...	29.89	37	NW	3	c	30.02	+ .36	34	33	- 2	NW	5	cq	5	cq,c	40	30	0.05		
GERMANY & HOLLAND.																				
Cuxhaven ...	29.87	35	N	7	S	29.71	+ .24	34	33	- 4	WNW	7	bc	#	S	38	33	0.04		
Berlin ...	29.85	34	W	5	c	29.71	+ .11	31	29	- 8	W	4	c	#	c	48	28	0.08		
Wiesbaden ...	29.84	36	W	6	o	29.95	+ .16	33	32	- 9	W	2	o	#	#	48	32			
Munich ...	29.84	36	W	6	o	30.00	+ .17	28	27	- 17	NW	5	bc	#	o	52	27	0.24		
The Helder ...	29.92	39	WNW	6	b	29.95	+ .35	33	32	- 6	WNW	7	S	4	b	39	32	0.16		
FRANCE AND BELGIUM.																				
Brussels (p.m.)	?	?	?	?	?	30.02	+ .20	34	31	- 3	WNW	2	c	#	c	43	30	0.04		
Cape Gris Nez	29.94	39	N	5	c	30.01	+ .23	39	36	- 1	NW	6	c	5	c	45	34	0.04		
Paris ...	30.06	42	W	5	bc	30.15	+ .18	35	32	- 7	WSW	2	o	#	bc	50	33	0.04		
Brest ...	?	?	N	3	c	?	?	44	42	- 1	N	1	c	2	e	52	37			
Lorient ...	30.22	49	WNW	4	c	30.30	+ .26	46	44	- 1	WNW	3	b	2	o	55	45			
Rocheport ...	30.14	50	WNW	4	b	30.24	+ .20	42	41	- 7	NNE	2	b	#	b	57	41			
Belfort ...	?	41	NW	4	o	?	?	32	32	- 14	W	4	S	#	o	46	32	0.24		
Lyons ...	30.08	48	WNW	2	o	30.20	+ .14	38	34	- 4	NW	1	b	#	o	58	34			
Nice ...	29.75	54	SSW	1	b	29.73	- .19	47	45	+ 1	SE	1	b	1	b	59	41			
Perpignan ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			
Biarritz ...	30.13	54	NNE	5	o	30.19	+ .15	42	40	- 12	E.NE	3	b	2	o	55	39			
PENINSULA.																				
Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			
Lisbon ...	29.93	61	SW	3	bc	29.97	+ .13	59	57	- 1	E	3	b	#	bc	70	57			

For Explanation of Codes...

For Explanation of Columns, see bottom of last page

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Saturday, 18th March 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

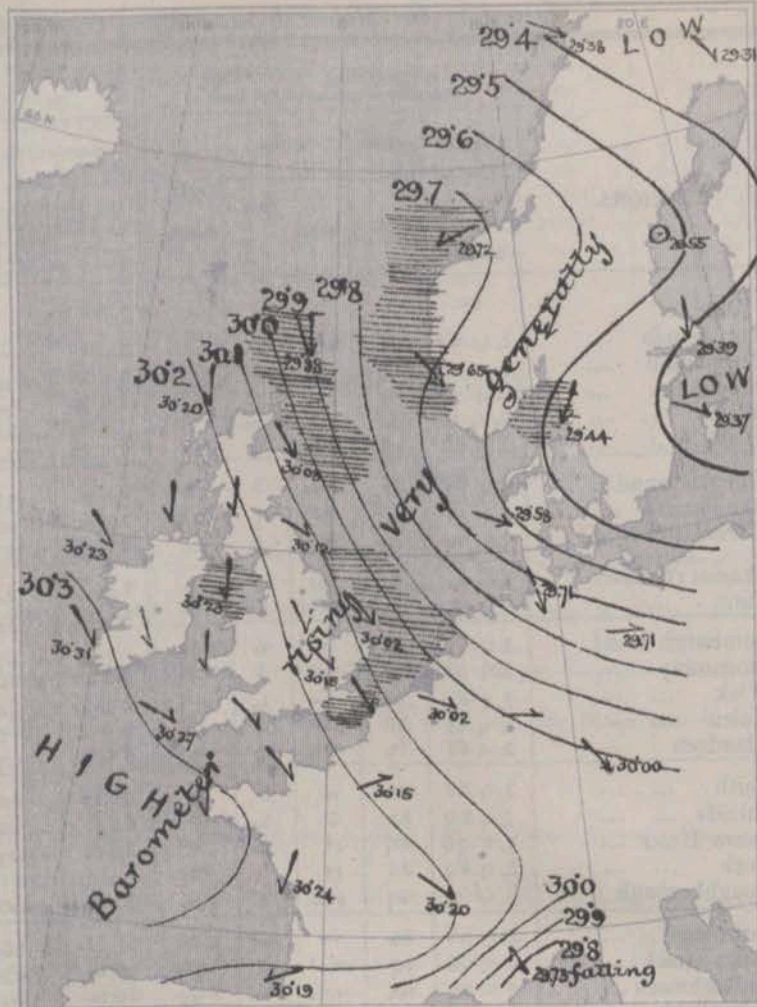
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.826
Leith	29.853
Shields	29.880
Spart Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.881
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.926
Valencia	29.923
Rocha's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by letters of the Beaufort Scale.

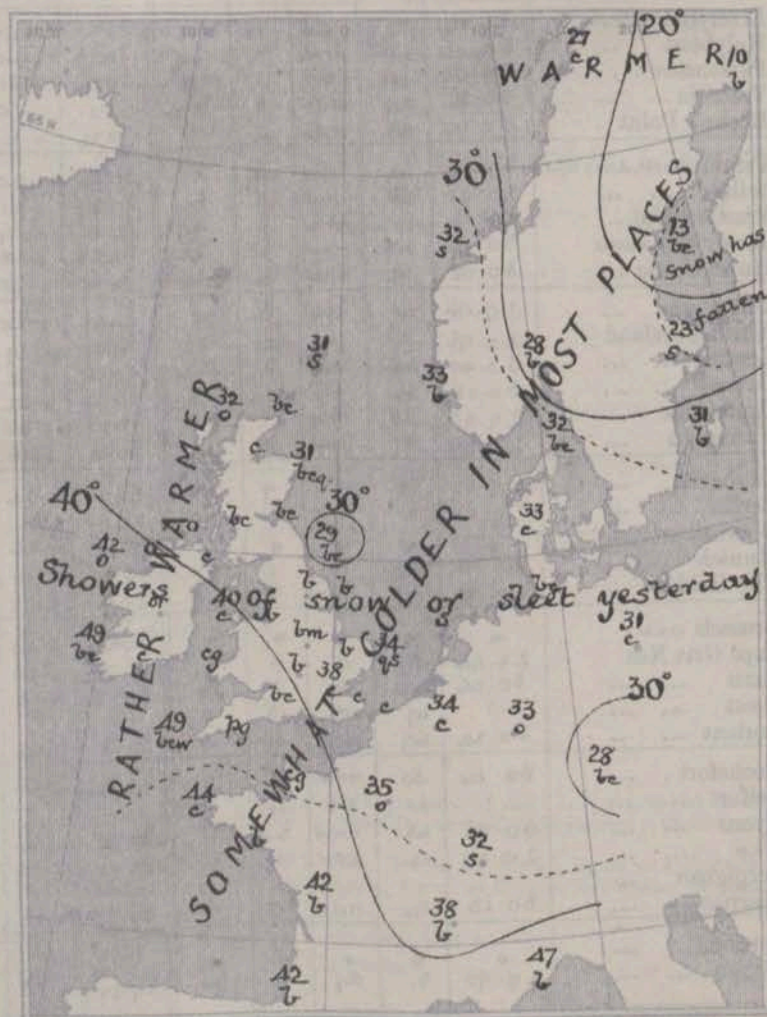
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.6	33.0	38.3	36.9	2.79
Stornoway.....	41.9	34.5	39.1	38.1	3.79
Wick.....	44.8	34.0	39.0	37.2	2.02
Nairn.....	45.0	33.9	38.0	36.2	1.65
Aberdeen.....	46.4	34.4	38.6	36.5	2.32
Leith.....	47.0	34.6	39.5	37.7	1.41
Shields.....	45.0	35.2	39.4	37.8	1.75
Spart Head.....	44.7	36.6	39.7	38.4	1.22
York.....	48.1	34.0	38.6	37.0	1.73
Loughborough.....	49.5	34.2	39.0	37.3	1.54
Ardrossan.....	46.3	36.3	40.1	38.5	2.44
Mullaghmore.....	47.9	38.4	41.9	40.2	2.87
Donaghadee.....	47.2	37.1	40.8	39.5	2.95
Holyhead.....	47.2	38.0	42.0	40.6	2.27
Liverpool.....	47.0	36.8	40.3	38.2	1.79
Parsonstown.....	49.8	35.0	40.4	39.8	2.33
Valencia.....	51.1	40.2	44.9	42.8	4.20
Rocha's Point.....	49.7	39.6	43.3	41.6	3.71
Pembroke.....	46.6	39.1	42.1	40.3	2.40
Sally.....	49.5	42.5	46.0	41.2	2.40
Prawle Point.....	48.1	37.7	42.6	41.2	1.95
Jersey.....	49.5	39.0	44.0	42.0	2.33
Hurst Castle.....	47.8	37.2	41.0	40.1	1.83
Dover.....	46.4	36.9	40.7	39.2	1.83
LONDON.....	50.0	38.4	40.1	38.2	1.40
Oxford.....	49.0	34.9	39.9	37.4	1.69
Cambridge.....	50.2	39.0	38.9	37.5	1.40
Yarmouth.....	46.2	34.0	40.2	38.6	1.82

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone lying off our extreme south-west coast.

Lowest, 29.4 in. and less, in the north of Scandinavia and also over the Baltic.

Gradients moderate over the North Sea, but slight elsewhere.

Barometer rising generally, but steady in the west of Ireland.

TEMPERATURE

Highest, 59° at Dublin, 49° at Valencia (Ireland), Rocher Point, and Sill, 45° at Jersey, and 47° at Nice.

Lowest, 10° at Haparanda, 13° at Helsingfors, 23° at Stockholm, 27° at Riga, 28° at Tientsin and Munich, and 29° at Shields.

Frost was again experienced last night in most parts of Great Britain.

WIND

N^{ly} over the northern parts of the United Kingdom, but NW^{ly} in most other parts of Western Europe; strong in force in the Shetlands and also on the eastern and southern shores of the North Sea.

In the south of France and at Lisbon it is light from the E^{ast}.

WEATHER

Fine in most places, but snow reported at Christiansund, Lumburgh Hill, the Helder and Wilfort.

Hail over the northern and central parts of Ireland, with rain at Lonsdown.

Showers of snow or hail fell yesterday in most parts of Western Europe.

SEA

Rather rough on several of the more exposed parts of our coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A tendency still exists for the formation of shallow depressions over various parts of our Islands, and snow showers are therefore probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 19th March, 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} N ^{ly} and NW ^{ly} winds, fresh, changeable, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	} Same as N° 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW ^{ly} winds, moderate or fresh, fair generally but with occasional snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	} NW ^{ly} winds, light; changeable, some snow showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W ^{ly} and NW ^{ly} winds, moderate, cloudy, some cold showers.
9	IRELAND NORTH	Same as N° 0 and 1.
10	IRELAND SOUTH	Same as N° 8.
WARNINGS		NONE ISSUED.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.29	35	32	rtw	9	o	5	Valencia ...	30.13	48	45	rtw	6	bc qf	5
Sumburgh Head ...	29.60	30	27	rtw	5	bc	5	Scilly ...	30.16	49	45	rtw	5	bc	3
Stornoway ...	29.74	32	32	rtw	2	o	4	Jersey ...	30.10	49	44	rtw	5	bc	4
Aberdeen ...	29.79	37	32	rtw	4	c q	4	Hurst Castle ...	30.00	43	40	rtw	6	bc qf	4
Shields ...	29.81	41	37	rt	3	bc	2	Dungeness ...	29.89	46	41	rtw	6	c s q	5
Ardrossan ...	29.87	38	37	w	4	s	3	North Foreland ...	29.84	45	39	rtw	6	c	6
Malin Head ...	29.91	39	34	rtw	6	c	4	London (Westminster) ...	29.91	45	39	w	4	bc	4
Mullaghmore ...	30.05	42	39	rtw	7	bc qf	6	Yarmouth ...	29.79	37	35	rtw	6	c q s p	4
Belmullet ...	30.12	45	40	rtw	5	o	4	Rochefort ...	30.12	50	49	rtw	4	b	4
Holyhead ...	29.98	41	38	rtw	6	bc q	5								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning dry and bright over many parts of the British Islands, France and Scandinavia — but not settled; cloudy in other places, with squalls of cold rain, sleet or hail over some of the northern and northern parts of the Kingdom, snow at many of the Finnish stations, at Stockholm and at Archangel. Showers of snow and "grape" later over nearly the whole of the British Isles and their neighbourhood, but amounts measured not large.

Temperature fallen in most places — quickly over England. Morning readings 55° to 65° in the coasts of Spain, Algeria and the southern parts of Italy, and rather lower over the northern parts of the Mediterranean and Adriatic; below 50° even in the west and south of the United Kingdom, below 40° in the north-east and over Russia. Lowest 1° F. at Haparanda, 12° at Archangel, 17° at Åbo, and 21° at Helsingfors. Slightly exceeding 50° at some of our southern stations later, and touching 57° at Rochefort, 59° at Nice and 70° at Lisbon.

Wind remaining light to moderate in force and variable in direction over the southern countries and the Mediterranean, but strong to a gale from NW. on our northern coasts, strong to fresh from W. over England and the Channel. Strong to a gale from W. over the North Sea and from SW. over the Gulf of Finland; moderate E. to N. over Lapland. Gale in northwest moderating during morning, but extending to Norway and continuing over the Netherlands.

Barometer highest 30.1 in. and more off the south-west of Ireland, and exceeding 29.9 in. over all the southwestern parts of our Islands, the Bay of Biscay, and the greater part of Spain, France, the Mediterranean and southern Europe. Lowest 29.7 in. and less, in a well marked depression over Finland. Gradients somewhat steep for NW winds over northwestern Europe and the British Islands, where also shallow local disturbances appeared moving southwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Sunday 19th March,*

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Shade Temp.			Amount of Rainfall.			
				Direc.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).		Weather.	Max.	Min.				
Inch.		°				Inch.	°	°	°							°	Inch.				
SCANDINAVIA.	Haparanda ...	29.51	9	W	4	b	29.61	+ 30	5	5	—	5	SW	2	b	4	25	—			
	Hernösand ...	29.79	23	W	2	b	29.95	+ 40	23	21	+	10	W	2	b	4	27	—			
	Stockholm ...	29.82	21	W	2	b	30.06	+ 67	19	16	—	4	NW	2	b	4	30	—			
	Wisby ...	29.78	29	NNE	6	b	30.02	+ 65	28	26	—	3	NNE	4	b	4	29	—			
	Bodö ...	29.60	28	WNW	7	o	30.86	+ 48	30	27	+	3	WNW	6	b	4	29	—			
	Christiansund...	29.95	28	WNW	5	s	30.10	+ 38	28	28	—	2	SSW	4	o	5	27	—			
	Skudesnaes ...	30.06	31	NW	7	o	30.22	+ 57	29	25	—	4	NNW	2	o	2	39	—			
	Christiania Fjord (Fjord)	29.89	33	L	0	bc	30.17	+ 65	27	24	—	1	NNW	2	b	1	24	—			
	Skagen (The Scaw)	29.93	31	NE	1	b	30.11	+ 67	33	32	+	1	E	2	b	0	37	—			
	Fanö ...	30.02	31	N	2	b	30.13	+ 55	33	31	—	0	NNW	8	c	4	41	—			
BRITISH ISLANDS.	Sumburgh Head	30.20	30	N	2	o	30.03	+ 15	42	41	+	11	W	4	o	4	42	0.07			
	Stornoway ...	30.30	33	NW	2	bc	30.23	+ 03	40	40	+	8	SW	4	o	4	40	—			
	Wick ...	30.26	31	NW	3	b	30.16	+ 10	39	37	+	9	W	1	o	1	39	—			
	Nairn ...	30.31	33	W	1	bc	30.27	+ 13	37	36	+	7	W	2	o	2	37	—			
	Aberdeen ...	30.31	33	NW	3	bc	30.32	+ 24	37	33	+	6	SW	1	cm	3	37	—			
	Leith ...	30.33	37	N	3	bc	30.38	+ 21	34	31	—	1	W	2	b	4	43	—			
	Shields ...	30.33	35	N	3	bc	30.40	+ 28	31	30	+	2	W	2	b	3	41	—			
	Spurn Head ...	30.28	37	NNW	6	bc	30.42	+ 36	34	33	+	1	NNW	3	b	4	37	—			
	York ...	30.33	37	N	1	b	30.44	+ 30	49	28	—	3	NW	1	b	4	41	—			
	Loughborough	30.33	38	NNW	1	bc	30.47	+ 31	24	24	—	10	L	0	bc	4	42	—			
GERMANY & HOLLAND.	Ardrossan ...	30.35	39	NW	2	b	30.28	+ 17	35	34	—	1	E	1	cm	1	43	—			
	Malin Head ...	30.29	42	SSE	3	o	30.33	+ 11	43	43	+	5	S	1	o	1	43	—			
	Mullaghmore ...	30.30	40	N	1	orm	30.37	+ 13	44	44	+	4	L	0	o	0	45	0.04			
	Belmullet ...	30.30	50	NNW	3	o	30.35	+ 15	45	45	+	3	SW	2	o	4	51	0.01			
	Donaghadee ...	30.36	40	NE	2	b	30.40	+ 15	41	40	+	5	W	3	o	1	45	—			
	Liverpool (Bidston)	30.38	38	NW	2	b	30.44	+ 23	36	35	—	2	SSE	1	b	1	41	—			
	Holyhead ...	30.36	40	N	2	b	30.42	+ 19	39	38	—	1	SSW	2	og	2	42	—			
	Parsonstown ...	30.32	49	L	0	T	30.39	+ 13	44	43	+	4	L	0	cm	4	30	0.12			
	Valencia ...	30.35	30	NW	2	b	30.40	+ 09	48	47	—	1	SE	1	o	1	53	—			
	Roche's Point	30.37	45	SE	3	oip	30.42	+ 16	46	43	—	3	SSE	3	o	3	50	—			
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.36	41	NNE	3	b	30.43	+ 19	38	37	—	4	ENE	2	cg	2	46	—			
	Scilly ...	30.32	47	NNE	4	c	30.36	+ 09	47	44	—	2	ESE	4	b	3	51	—			
	Prawle Point ...	30.31	44	ESE	1	b	30.44	+ 23	42	34	—	4	SE	2	o	0	51	—			
	Jersey (St. Aubin's)	30.30	47	NNE	3	bm	30.46	+ 23	43	37	—	5	ESE	3	bm	3	51	0.01			
	Hurst Castle ...	30.32	44	NE	2	bm	30.45	+ 30	35	32	—	6	ENE	1	bm	1	49	—			
	Dungeness ...	30.28	38	NNE	4	bc	30.43	+ 36	34	32	—	5	N	3	b	2	44	—			
	North Foreland	30.27	38	N	5	cg	30.45	+ 40	38	35	—	0	N	3	c	5	41	—			
	London ...	30.32	39	NNE	3	b	30.47	+ 32	32	30	—	6	NNW	1	b	4	44	—			
	Oxford ...	30.38	33	N	1	b	30.48	+ 32	29	28	—	10	W	1	bm	4	46	—			
	Cambridge ...	30.33	35	N	2	b	30.48	+ 35	28	27	—	6	NNW	1	b	4	45	—			
PENINSULA.	Yarmouth ...	30.22	37	NNW	5	cg	30.39	+ 37	37	35	+	3	NW	4	b	4	39	0.08			
	Cuxhaven ...	29.89	36	N	6	bc	30.16	+ 45	36	34	+	2	N	5	b	4	38	—			
	Berlin ...	29.79	33	WNW	4	o	30.06	+ 35	31	29	—	0	NNW	4	c	4	37	—			
	Wiesbaden ...	29.79	33	WNW	4	o	30.25	+ 33	34	32	+	1	NNW	3	b	4	37	—			
	Munich ...	29.98	27	W	5	b	30.18	+ 18	25	24	—	3	W	4	o	4	36	0.08			
	The Helder ...	30.15	38	NW	8	bc	30.38	+ 43	37	35	+	4	N	4	b	3	39	0.04			
	Brussels (S. M.)	30.23	38	N	5	c	30.46	+ 44	34	34	—	0	NNW	1	b	4	39	0.04			
	Cape Gris Nez	30.23	38	N	5	c	30.25	+ 34	37	36	—	2	N	4	b	4	43	—			
	Paris ...	30.26	40	N	3	b	30.42	+ 27	28	27	—	7	NNW	1	b	4	43	—			
	Brest ...	30.26	49	N	2	c	30.42	+ 27	28	27	—	7	NNW	1	b	4	43	—			
PENINSULA.	Lorient ...	30.28	50	NNW	4	o	30.38	+ 08	36	33	—	10	ESE	5	b	2	54	—			
	Rochefort ...	30.23	50	NW	4	o	30.26	+ 02	36	33	—	6	ENE	5	b	4	55	—			
	Belfort ...	30.23	33	NNW	3	o	30.26	+ 02	36	33	—	6	ENE	5	b	4	55	—			
	Lyons ...	30.24	39	NNW	2	c	30.35	+ 15	29	27	—	9	NNW	5	b	4	40	—			
	Nice ...	29.76	48	SE	3	b	30.04	+ 31	43	37	—	4	NE	1	b	3	45	—			
	Perpignan ...	30.08	54	NW	5	b	30.15	+ 04	47	41	—	1	NW	2	b	3	62	—			
	Biarritz ...	30.15	56	NE	3	b	30.15	+ 04	41	39	—	1	ENE	5	b	3	59	—			
	Corunna ...	29.98	60	SSW	3	b	29.97	+ 00	58	56	—	1	S	2	b	4	68	—			
	Lisbon ...	29.98	60	SSW	3	b	29.97	+ 00	58	56	—	1	S	2	b	4	68	—			

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Sunday, 19th March 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10 — forces 8 to 10.

— forces 5 to 7 — forces 1 to 4.

○—dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

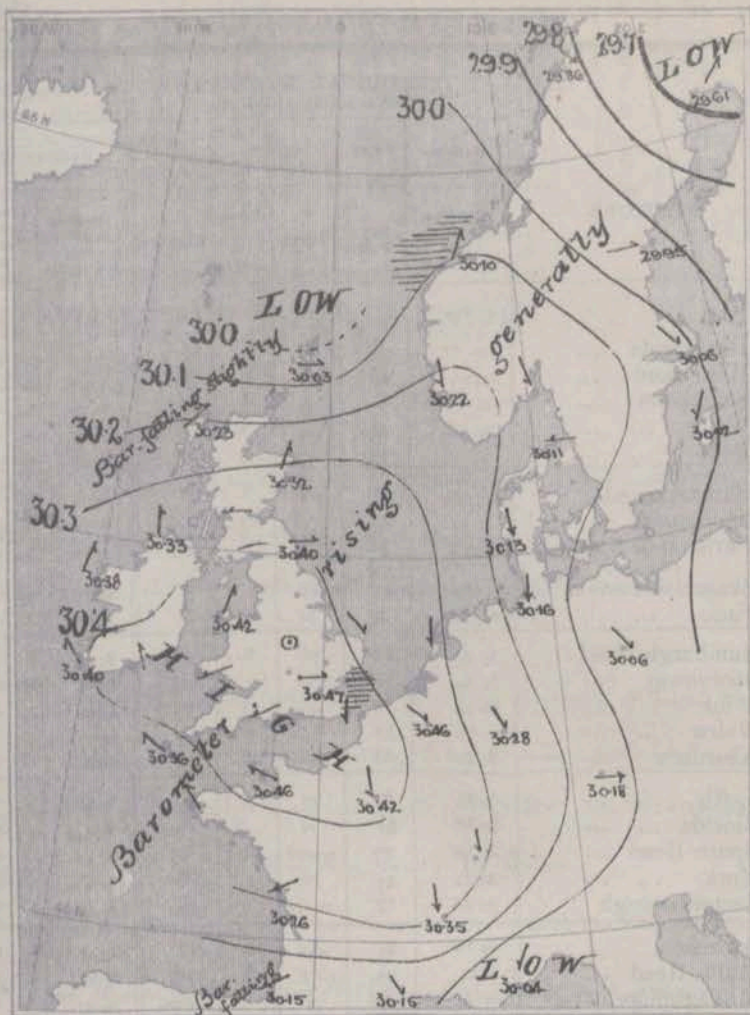
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 25 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.819
Aberdeen	29.825
Leith	29.853
Shields	29.880
Sparn Head	29.896
York	29.908
Loughborough	29.932
Androsman	29.869
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.926
Rocha's Point	29.927
Pembroke	29.929
Silly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards, over England, the southeast of Ireland, and the north of France.
 Lowest, 29.7 ins. and less, in a depression lying over Lapland; 30.0 ins. and less, in a shallow system over the south of Portugal.
 Gradients slight. Barometer rising generally, but falling a little in Spain and the south of France.

TEMPERATURE

Highest (1) 58° at Lisbon, 47° at Berck-sur-Mer, and 43° at Nice; (2) 48° at Valencia (Ireland), 47° at Dublin, and 46° at Rocher's Point.
 Lowest (1) 5° at Haparanda, 19° at Stockholm, and 23° at Helsingfors; (2) 24° at Boulogne and 28° at Cambridge; (3) 24° at Belfast and 25° at Munich.
 Sharp frost occurred over England last night, the lowest readings being 1. In the series 20° at Boulogne and 23° at Oxford and Cambridge, and 2. On the coast 12° at Loughborough and 16° in London and at Oxford.

WIND

Fresh from the End in the west of France, light or moderate from the SEnd in the southwest of our Islands.
 Light from the Snd or SWnd on our extreme northwest coast, and from the Wnd or NWnd over the eastern parts of Great Britain.
 SWnd or Wnd in the north of Scandinavia, but Nnd or NWnd in Denmark, Germany, and the south of Scandinavia.

WEATHER

Fine and bright in most parts of Western Europe, but dull in Ireland and the coast and north of Scotland, with rain and fog at Mullaghmore.
 Dull in the west of Norway and also in South Germany.
 Light rain or snow fell yesterday in a few isolated places, but the weather was upon the whole fair and dry.

SEA

Moderate to smooth generally, but rather rough at Christiansund and the North Foreland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 20th March 1893.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

None issued

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

None issued

WARNINGS

None issued

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards E. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dir.	F.	WEA.	SEA.		BAR.		THER.		WIND. Dir.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.84	34	34	NW	6	c	4	Valencia ...	30.86	50	50	50	NW	3	c	3
Sumburgh Head ...	30.11	32	31	N	4	b, sp	5	Soilly ...	30.80	51	49	49	NNW	4	o	3
Stornoway ...	30.40	35	35	N	2	b	3	Jersey ...	30.26	50	47	47	NNW	4	b, c	3
Aberdeen ...	30.24	37	33	NW	6	b, sp	5	Hurst Castle ...	30.25	48	43	43	N	4	b	2
Shields ...	30.23	40	36	NW	3	b, c	2	Dungeness ...	30.18	42	37	37	NNE	6	c	5
Ardrrossan ...	30.30	43	38	NW	3	b, c	2	North Foreland ...	30.14	40	35	35	NNW	5	b	6
Malin Head ...	30.29	41	38	SE	3	c	2	London ...	30.24	42	34	34	NW	3	b, c	6
Mullaghmore ...	30.30	44	42	NNW	1	om	1	Yarmouth ...	30.15	37	31	31	NNW	6	cspg	6
Balmuccia ...	30.30	51	50	NNW	3	om	2	Rochefort ...	30.26	51	47	47	NW	3	o	2
Holyhead ...	30.31	42	39	N	2	b	2									

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine in most parts of Great Britain, France, and Italy, as well as at many of the Swedish and northern Russian stations. Dull in Ireland and the north of Scotland, with rain at Portpatrick, and snow at Sumburgh Head; snow reported also at Christiansund, Goulkshen, Haparanda, and Umea. Dull in Spain and Algeria, raining in some parts of Austria and the south of Russia. A little rain falling later at several of the Irish stations and snow in the Netherlands; no change occurring elsewhere.

Temperature risen a little in the west of our Islands, but fallen elsewhere. Morning readings highest 63° at Palermo, 62° at Sfax, and 63° at Tunis, Algiers, and La Palme; above 50° at most of the Mediterranean and Adriatic stations, but below it in the Riviera. Lowest -2° F. at Ullens, +1° at Kaspia, 10° at Hasarunda, 15° at Hamöand, and 20° at Hango; below the freezing point over northern and central Europe generally, as well as in the north and northeast of Great Britain. Daily maxima over our Islands reaching 50° in our extreme west and southwest coasts only; thermometer exceeding 55° in the west of France, and exceeding 60° in most parts of southern Europe, the highest reading of all being 75° at Palermo. Very sharp frost occurring over England at night, thermometer at Loughborough falling to 20° in the shade and 12° on the grass.

Wind NW or N over nearly the whole of Western and Northern and a considerable portion of Central Europe; light to fresh in force generally, but strong to a gale on the eastern and southern shores of the North Sea. SW or S over the southern parts of Russia and Italy. NE or E in Spain and Algeria. Subsequently becoming light and variable in Ireland, and SW in Spain. No important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards in an anticyclone lying to the southward of our Islands. Lowest 29.3 ins. and less in a depression lying over northern Europe; 29.4 ins. and less, in an ill defined secondary system lying over the Baltic and the neighbouring provinces; 29.6 ins. in a small shallow disturbance over the Adriatic. Anticyclone in extreme southwest subsequently spreading northeastwards over the entire Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

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DAILY WEATHER REPORT

for 8 a.m. on *Monday, 20th March,*

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom. Reading at 32° F. and Sea Level.	TEMP. Dry Bulb.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.				
			Direc.	Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yesterday Morning.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).			Weather.	Max.	Min.	Amount of Rainfall.	
	Inch.	°					Inch.	°	°	°						°	°	ins.		
SCANDINAVIA.	Haparanda ...	29.98	1	2	0	b	30.01	+ .14	-10	-11	-15	2	0	b	#	6	23	-11	-	
	Hernösand ...	30.02	14	2	0	b	30.13	+ .18	8	7	-15	2	0	b	#	6	36	8	-	
	Stockholm ...	30.10	24	2	0	b	30.18	+ .07	18	16	-1	WWSW	2	6	#	6	32	14	-	
	Wisby ...	30.11	28	N	4	b	30.13	+ .11	28	27	0	N	4	6	#	6	32	23	-	
	Bodö ...	29.94	31	ESE	2	b	29.51	- .35	25	24	-5	E	5	5	#	6	32	21	-	
	Christiansund...	29.92	32	SSW	4	0	29.80	- .30	41	40	+11	SW	6	7	#	5.0	41	30	0.47	
	Skudesnaes ...	30.11	32	ESE	4	S	30.12	- .10	41	41	+12	WWSW	5	7	#	7.2	?	29	-	
	Christiania Fjord (Fjorder)	30.12	32	WSW	3	b	30.07	- .10	33	32	+6	SSW	4	0	2	6	34	27	-	
	Skagen (The Seaw)	30.15	31	WSW	1	S	30.14	+ .03	32	31	-1	SW	2	0	1	5	36	30	-	
	Fanö ...	30.20	34	W	4	S	30.19	+ .06	37	37	+4	WWSW	4	7	#	5	39	32	0.08	
BRITISH ISLANDS.	Sumburgh Head	30.06	45	W	3	0	30.07	+ .04	45	45	+3	W	4	0	4	0	48	42	0.03	
	Stornoway ...	30.21	45	SW	4	0	30.22	- .01	46	45	+6	SW	2	0	3	0.0	48	39	-	
	Wick ...	30.16	45	W	2	b	30.19	+ .03	46	44	+7	WSW	2	6	1	6	50	38	-	
	Nairn ...	30.24	44	W	3	C	30.24	- .03	48	46	+11	WSW	1	0	1	0	48	35	-	
	Aberdeen ...	30.25	46	ESE	1	b	30.27	- .05	49	44	+12	W	1	6	2	6	54	34	-	
	Leith ...	30.31	40	W	2	C	30.32	- .06	46	43	+12	WSW	3	6	#	0	48	31	-	
	Shields ...	30.35	43	W	2	b	30.34	- .06	45	43	+14	WWSW	4	6	2	0	44	29	-	
	Spurn Head ...	30.37	40	ESE	3	b	30.37	- .05	39	38	+5	WSW	2	0	3	6	44	33	-	
	York ...	30.38	46	W	1	b	30.38	- .06	39	38	+10	WSW	1	6	#	0	51	29	-	
	Loughborough	30.40	43	SSE	1	b	30.43	- .04	27	27	+3	2	0	6	#	0	49	22	-	
GERMANY & HOLLAND.	Ardrossan ...	30.32	41	2	0	0m	30.36	- .02	43	43	+8	SSW	2	0m	2	0m	43	33	-	
	Malin Head ...	30.33	45	W	2	b	30.34	+ .01	43	42	0	SSE	2	6	1	0.6	47	40	0.02	
	Mullaghmore ...	30.36	47	2	0	0	30.33	- .04	47	46	+3	N	1	0	0	0.0	48	40	-	
	Belmullet ...	30.35	49	WSW	2	b	30.33	- .05	46	44	+1	S	1	6	#	0	52	41	-	
	Donaghadee ...	30.35	49	WSW	2	C	30.39	- .01	41	41	0	NE	1	6	0	0	51	39	0.01	
	Liverpool (Bldston)	30.41	42	W	1	C	30.41	- .03	43	40	+7	E	1	6	1	0	45	36	-	
	Holyhead ...	30.40	44	SSW	2	C	30.40	- .02	44	42	+3	SSW	1	6	1	0	45	39	-	
	Parsonstown ...	30.35	50	2	0	0	30.36	- .03	39	38	-5	2	0	6	#	0	52	36	-	
	Valencia ...	30.35	51	SSE	2	b	30.32	- .08	46	42	-2	ESE	3	6	3	6	56	42	-	
	Roche's Point	30.39	48	SSE	3	C	30.36	- .06	46	43	0	SSE	5	6	4	0	50	45	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.39	45	S	1	b	30.41	- .02	41	41	+3	E	3	6	3	6	46	38	-	
	Scilly ...	30.38	45	E	3	b	30.31	- .05	45	43	-2	ESE	5	6	3	6	51	41	-	
	Pravle Point ...	30.41	46	SE	4	b	30.41	- .03	44	40	+2	ESE	4	6	3	6	47	39	-	
	Jersey (St. Aubin's)	30.40	48	ESE	3	b	30.42	- .04	43	39	0	ESE	4	6	3	6	48	38	-	
	Hurst Castle ...	30.44	41	WSW	2	b	30.46	- .02	35	33	0	NE	1	6	1	6	48	30	-	
	Dungeness ...	30.42	44	S	2	b	30.44	+ .01	34	33	0	WSW	1	6	1	6	45	29	-	
	North Foreland	30.43	38	SE	2	b	30.44	- .01	38	35	0	W	2	6	3	6	41	32	-	
	London ...	30.43	39	SSE	2	b	30.46	- .01	34	32	+2	SW	2	6	#	6	43	26	-	
	Oxford ...	30.44	41	2	0	b	30.47	- .01	32	31	+3	2	0	6	#	6	50	28	-	
	Cambridge ...	30.43	41	W	1	b	30.44	- .04	33	31	+5	SSW	1	6	#	6	57	26	-	
PENINSULA.	Yarmouth ...	30.40	40	NE	2	b	30.38	- .01	36	34	-1	W	3	6	3	6	41	31	-	
	Cuxhaven ...	30.29	39	N	5	C	30.35	+ .19	40	40	+4	W	6	4	#	0	40	36	0.14	
	Berlin ...	30.22	32	2	0	C	30.19	+ .13	31	31	0	W	3	0	#	0	37	28	0.08	
	Wiesbaden ...	30.29	38	W	6	C	30.40	+ .12	37	34	+3	WSW	3	0	#	0	41	32	-	
	Munich ...	30.29	38	W	6	C	30.36	+ .18	28	28	+3	W	5	0	#	0	32	25	0.04	
	The Helder ...	30.45	38	W	1	b	30.41	+ .03	39	38	+2	W	2	6	2	6	39	36	-	
	Brussels (p.m.)	?	?	?	?	?	30.49	+ .03	34	32	0	SW	1	6	#	0	44	29	-	
	Cape Gris Nez	30.37	38	W	1	b	30.38	+ .03	35	33	-2	S	1	6	#	0	45	32	-	
	Paris ...	30.42	40	NE	2	C	30.45	+ .03	31	30	+2	NE	2	6	#	0	46	29	-	
	Brest ...	?	49	SE	3	b	?	?	39	35	0	ESE	4	6	3	6	52	34	-	
FRANCE AND BELGIUM.	Lorient ...	30.29	46	E	6	b	30.30	- .08	37	33	+1	E	6	6	2	6	52	36	-	
	Rocheport ...	30.20	46	ESE	4	b	30.19	- .07	36	33	0	E	4	6	#	0	54	32	-	
	Belfort ...	?	38	E	3	b	?	?	36	34	+12	E	3	6	#	0	?	24	-	
	Lyons ...	30.30	37	N	3	b	30.40	+ .05	31	28	+2	W	2	6	#	0	45	28	-	
	Nice ...	30.12	43	SE	2	b	30.26	+ .22	40	32	-3	E	2	6	2	6	52	36	-	
	Perpignan ...	30.17	49	NE	2	b	30.27	+ .12	34	31	-13	NE	2	6	#	0	61	31	-	
	Biarritz ...	30.06	55	ESE	4	b	30.06	- .09	40	36	-1	NE	5	6	2	6	59	37	-	
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-	-	
	Lisbon ...	29.93	60	WSW	3	C	29.95	- .02	59	57	+1	SSE	3	6	#	0	66	57	-	

For Explanation of Columns see last page.

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Monday, 20th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

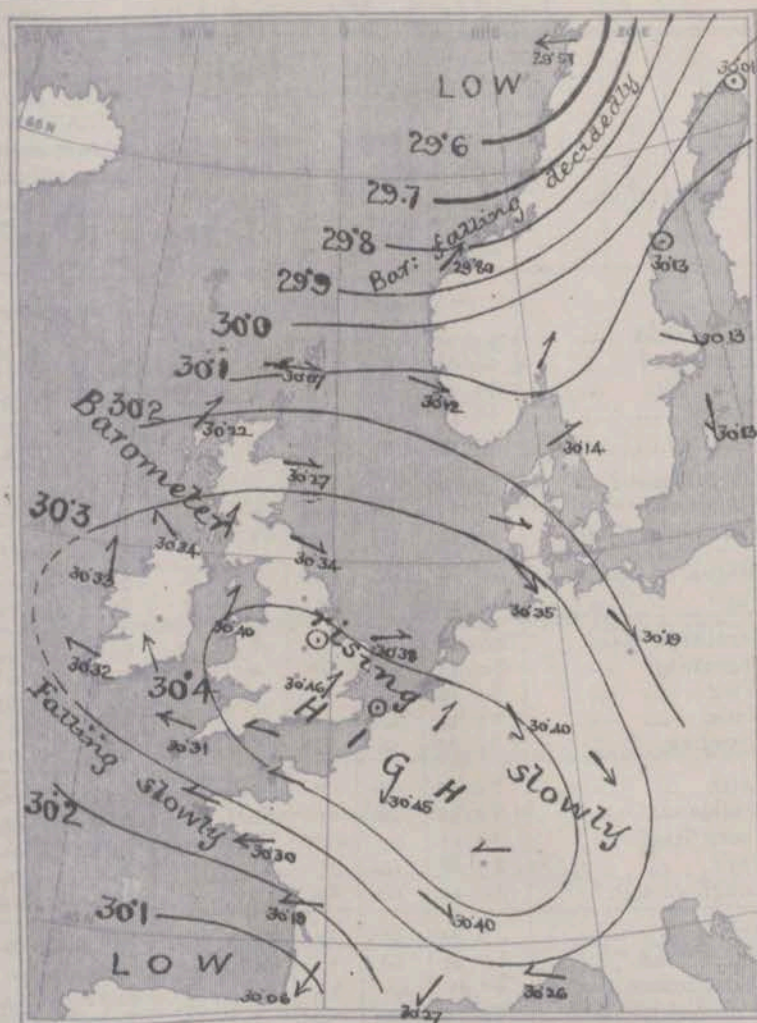
— = Rough, — = High.

MEAN HEIGHT OF THE BAROMETER:

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.819
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Androssan	29.865
Mullaghmore	29.872
Donaghadee	29.883
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	MEAN Dry.	MEAN Wet.	
Sumburgh Head	43.6	33.9	38.5	36.9	2.79
Stornoway	41.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.0	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.35
Leith	47.0	34.6	39.5	37.7	1.41
Shields	45.0	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.8	39.7	38.4	1.22
York	48.1	31.0	38.5	37.0	1.73
Loughborough	49.6	31.2	39.0	37.3	1.64
Androssan	46.9	36.3	40.7	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.8	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.29
Roche's Point	49.7	39.6	43.5	41.5	3.71
Pembroke	46.0	30.1	42.1	40.3	2.40
Scilly	49.5	42.5	45.0	41.2	2.10
Prawle Point	48.1	37.7	42.5	41.2	1.95
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	39.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.6	38.9	37.4	1.59
Cambridge	50.2	37.0	38.0	37.5	1.10
Yarmouth	45.2	34.9	40.2	38.6	1.89

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are initially those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in an anticyclone lying over England, the Netherlands, Northern Germany, and the northeast of France.
Lowest, 29.6 in. and less, in a depression lying off the northwest of Norway; 30.0 in. and less, over the south of Portugal.

Gradients slight generally, but rather steep over the northern parts of Scandinavia.

Barometer falling slightly in the extreme west and southwest of our Islands, and more decidedly in the west of Norway, but rising elsewhere.

TEMPERATURE

Highest, 59° at Linton, 49° at Aberdeen, 46° at Nain, 47° at Mullaghmore, and 46° at Tonsbury, Wick, Lark, Almalist, Valerien (Island) and Rock of B.

Lowest, -10° at Haparanda, -18° at Herösand, 16° at Stockholm, 25° at Looe, 27° at Loughborough, and 28° at Nisby and Munich.

Sharp frost again occurred over England last night, the standard thermometer falling to 22° at Loughborough, and 26° in London and at Cambridge.

WIND

Moderate to fresh from the End in the west of France, and from the SEnd in the extreme southwest of our Islands.

Light from the Snd on our northwest coast, and from the Wnd in the eastern parts of Britain; variable in the southeast of Britain; NW^{ly} in Germany; SW^{ly} over the southern parts of Norway; E^{ly} at Bodö; calm in the north of Sweden.

WEATHER

Fine and bright over the greater part of our Islands, France, and the Netherlands, as well as in Sweden.

Dull in Norway and also in Germany, with rain or snow in many places.

A little rain fell yesterday at one or two of our extreme northern and northwestern stations, but with these exceptions the weather over our Islands was extremely dry.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any very decided change in the weather.

FORECASTS

For the 24 hours ending at NOON on 21st March 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | W ^{ly} and SW ^{ly} winds, moderate; cloudy, rain locally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Light breezes, chiefly W ^{ly} ; fine generally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | Light and somewhat variable breezes, fine generally, frosty at night, with local fogs. |
| 5 | ENGLAND SOUTH | |



DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | S ^{ly} to SE ^{ly} winds, light; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E ^{ly} and SE ^{ly} winds, fresh; fair generally. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | SE ^{ly} winds, freshening; fair to dull and some rain. |
| | | |

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudeanaes ...	30.16	30	28	SE	6	S	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.22	48	47	SW	11	C	4	Jersey ...	30.43	48	42	ESE	3	b	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.43	48	40	S	2	b	1
Ardrossan ...								North Foreland ...	30.44	41	37	NEW	2	b	4
Malin Head ...	30.34	47	47	SW	1	O	O	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.37	51	49	SSW	2	C	*	Rocheport ...	30.25	51	42	E	6	b	*
Holyhead ...	30.41	44	41	SSW	2	C	2								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine and bright over Great Britain and most other parts of western and southern Europe, as well as in Finland and Sweden. Dull in Ireland and the west and north of Scotland, with rain and fog at Mullaghmore, cloudy or overcast in the more eastern and central parts of the Continent, and also in Algeria. A little rain falling during night one or two of our extreme northern and northwestern stations, but weather remaining fine and dry in all other parts of our Islands. Snow reported in the west of Norway in evening.

Temperature risen at several of the Irish and Scotch stations but fallen elsewhere. Morning readings, highest 62° at Spax, 59° at Gran, and 58° at Lissbon, Barcelona, Algiers, La Calle and Malta; above 50° over Spain and the Mediterranean generally, but below 45° in the Riviera. Lowest 1° at Uleaborg, 5° at Haparanda, 7° at Kuopio and Hangö, and 12° at Helsingfors, below the freezing point over the greater part of northern, eastern and central Europe, and also over the inland parts of England. Rising during day to 50° or a little more in several parts of England and Ireland, but remaining below 45° over our southeastern counties. Sharp frost occurring over England at night.

Wind fresh from the Eth in the W. of France and light or moderate from the same quarter or from SE in the S.W. of our Islands; light from S. or S.W. on our extreme NW. coast and from W. in the north and east of St. Britain. S.W. or W. in the northern parts of Scandinavia, but NW. or N. over Denmark, Germany, the Netherlands, the Baltic and the south of Scandinavia and W. in Austria. N. or NE. in Italy, variable in Algeria. No important change occurring during day.

Barometer highest 30.4 ins. and upwards over England, the SE. of Ireland and the N. of France, 30.1 ins. and upwards in an anticyclone covering the greater part of W. Europe. Lowest 29.8 ins. and less in a depression lying over the south of Russia, 29.7 ins. and less in another system lying over Lapland, 30.0 ins. and less in the S. of Portugal. Slight fall of barometer taking place over W. Europe during day, but general distribution of pressure remaining unchanged.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 12TH TO 18TH MAR. 1893.

In the course of the past week a very decided change in the weather has taken place over our Islands and their neighbourhood.

During the early part of the period barometrical pressure was highest over France and lowest in a series of cyclonic systems which advanced over Scandinavia from the westward. The prevailing winds in our Islands were therefore S.W. or W. with fair weather in the eastern and southern districts, but with occasional rain in the NW. and N. On the 15th when a rather deep depression appeared in the far north the wind increased to a strong gale from the W. in the N. of Scotland. Temperature was high for the time of year, especially on the 12th, when the maximum readings over the inland parts of England varied between 60° and 65°.

On the 16th the high pressure system over France began to give way, while the depressions in the north spread out in a SE. direction. The winds over our Islands now veered to the N. of W. and a decided fall of temperature took place, the change commencing on our western and northern coasts and extending gradually over the entire Kingdom. Snow commenced in the north of Scotland on the night of the 15th and subsequently spread southwards, but over England the fall was at no time heavy.

On the 17th a new anticyclone appeared off our extreme southwest coast and at the close of the week this was extending eastwards over a considerable portion of the United Kingdom. The wind now veered to the NW. or N. generally and the weather improved, but snow showers continued to prevail at some of our northern and eastern stations. The maximum temperatures registered at the end of the period were about 20° lower than those observed at its commencement and on the nights of the 16th - 18th frost occurred in nearly all parts of St. Britain.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 21ST MARCH 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 53, Victoria Street, London. R. A. SCOTT, Secretary.																			
STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.		
																			Ina.
SCANDINAVIA.	Haparanda ...	29.70	51	E	2	bc	29.65	-0.06	16	16	+2.6	2	0	0	*	bc	2	-20	—
	Hernösand ...	29.75	51	2	0	b	29.70	-0.05	35	30	+2.5	W	2	0	*	b	2	0	—
	Stockholm ...	29.91	52	W	2	0	29.85	-0.06	31	27	+1.3	NNW	4	0	*	0	36	12	—
	Wisby ...	29.88	52	NNW	6	0	29.07	-0.06	33	31	+5	N	4	0	*	0	24	23	—
	Bodö ...	29.48	33	SW	9	m	29.38	+0.10	35	33	+1.0	SW	6	0	*	m	2	25	—
	Christiansund...	29.06	39	WNW	7	b	29.92	+1.13	29	29	-2	WNW	6	7	5	b	41	29	0.04
	Skudesnaes ...	29.20	41	NW	4	b	29.21	+1.16	41	41	0	0	1	7	2	0	45	36	—
	Christiania Fjord (Fjorder)	29.00	36	N	2	b	29.19	+1.12	33	31	0	W	4	0	2	0	36	21	—
	Skagen (The Scaw)	29.35	41	NNW	4	bc	29.21	+0.14	39	39	+0.2	2	0	0	0	bc	45	30	—
	Fanö ...	29.24	39	NNW	4	0	29.26	+0.02	39	39	0	NW	4	0	*	0	48	32	—
	Sumburgh Head	29.16	45	W	3	7	29.15	+1.10	45	43	0	W	1	0	3	0	44	43	0.03
	Stornoway ...	29.22	48	SW	4	C	29.15	-0.07	44	44	-2	SW	4	0	4	0	52	42	—
	Wick ...	29.25	48	W	2	bc	29.20	+0.05	46	45	0	0	2	0	1	bc	54	40	—
	Nairn ...	29.24	51	2	0	C	29.21	-0.03	46	45	-1	2	0	0	0	C	53	30	—
	Aberdeen ...	29.28	44	0	1	bc	29.26	-0.02	43	40	-3	SW	1	0	1	bc	58	35	—
	Leith ...	29.22	45	WNW	1	b	29.20	-0.02	39	39	-1.3	2	0	0	*	b	54	30	—
	Shields ...	29.22	51	W	1	b	29.23	-0.01	40	38	-2	SW	2	0	2	0	53	31	—
	Spurn Head ...	29.24	42	SW	2	bc	29.26	-0.02	41	40	-1	SW	1	0	2	0	49	36	—
	York ...	29.24	53	W	1	b	29.28	0.04	31	31	-1	2	0	0	*	b	60	30	—
	Loughborough	29.26	50	0	1	b	29.40	-0.14	29	27	+1	SE	1	0	*	b	58	23	—
ISLANDS.	Ardrossan ...	29.21	46	2	0	b	29.20	-0.01	39	38	-1	2	0	0	0	0	48	34	—
	Malin Head ...	29.25	50	SW	2	bc	29.19	-0.06	41	39	-2	SW	5	0	2	0	52	39	—
	Mullaghmore ...	29.23	52	0	4	b	29.22	-0.01	44	41	-3	SW	2	0	2	0	56	39	—
	Belmullet ...	29.26	50	SW	1	b	29.21	-0.05	43	40	-3	SW	2	0	0	0	53	39	—
	Donaghadee ...	29.23	49	SW	2	b	29.21	-0.02	43	42	-1	SW	2	0	1	0	52	40	0.01
BRITISH.	Liverpool (Bld-ton)	29.26	48	NNW	1	b	29.26	-0.01	42	39	-1	SW	2	0	1	0	53	35	—
	Holyhead ...	29.25	45	2	0	b	29.22	-0.03	44	41	0	2	0	0	0	0	51	32	—
	Parsonstown ...	29.28	48	SE	1	b	29.24	-0.04	42	41	+3	2	0	0	0	0	53	32	—
	Valencia ...	29.23	48	SE	5	bc	29.20	-0.03	50	49	+4	SE	2	0	3	0	53	43	—
	Roche's Point	29.20	47	SW	5	C	29.29	-0.09	48	46	-2	SW	5	0	4	0	49	45	—
	Pembroke (St. Ann's Hd.)	29.32	46	SE	2	b	29.30	-0.02	45	43	+4	SE	4	0	3	0	48	40	—
	Scilly ...	29.26	47	SE	6	bc	29.21	-0.05	50	49	+5	SE	5	0	4	0	50	42	—
	Prawle Point ...	29.28	43	SE	4	b	29.23	-0.05	48	46	+4	SE	2	0	2	0	48	42	—
	Jersey (St. Aubin's)	29.23	50	SE	4	bc	29.24	-0.01	48	43	+5	SW	4	0	3	0	52	42	—
	Hurst Castle ...	29.41	45	SE	2	bc	29.37	-0.04	45	43	+10	SE	2	0	1	0	51	34	—
	Dungeness ...	29.25	44	SW	2	b	29.22	-0.03	45	41	+5	2	0	0	0	0	45	30	—
	North Foreland	29.26	44	0	1	0	29.21	-0.05	45	41	+7	NNW	1	0	2	0	48	36	—
	London ...	29.26	45	SW	1	bc	29.41	-0.15	34	31	0	SE	1	0	*	0	53	37	—
	Oxford ...	29.27	43	SW	1	b	29.42	-0.15	36	32	+4	2	0	0	0	0	53	37	—
	Cambridge ...	29.28	50	SW	1	b	29.42	-0.14	34	32	+1	SW	1	0	*	0	58	37	—
	Yarmouth ...	29.25	44	0	2	b	29.28	0.03	39	38	+3	NNW	1	0	2	0	47	34	—
GERMANY & HOLLAND.	Cuxhaven ...	29.28	40	NNW	4	0	29.22	-0.06	41	40	+1	NNW	4	0	*	0	44	32	—
	Berlin ...	29.25	36	2	0	0	29.21	+0.04	40	35	+9	NW	2	0	*	0	41	31	0.04
	Wiesbaden ...	29.26	33	W	5	0	29.27	-0.01	39	38	0	W	1	0	*	0	45	34	—
	Munich ...	29.26	33	W	5	0	29.40	+0.14	39	37	+7	SW	2	0	*	0	36	21	0.04
	The Helder ...	29.41	44	W	1	b	29.46	+0.05	40	39	+1	W	1	0	1	0	42	37	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	29.25	42	NNW	1	b	29.44	-0.19	39	35	+5	NNW	1	0	*	0	50	32	—
	Cape Gris Nez	29.29	42	NNW	1	b	29.35	-0.06	42	39	+7	2	0	0	0	0	48	34	—
	Paris ...	29.29	45	NNW	2	b	29.40	-0.11	34	33	+3	NNW	2	0	*	0	53	31	—
	Brest ...	29.22	52	SE	3	b	29.22	0.00	45	45	+6	SE	4	0	3	0	53	30	—
	Lorient ...	29.22	52	SE	5	b	29.22	-0.07	43	40	+6	SE	5	0	2	0	53	31	—
	Rochefort ...	29.15	53	SE	4	b	29.19	0.04	41	39	+5	SE	4	0	*	0	63	39	—
	Belfort ...	29.22	44	0	1	b	29.24	-0.02	35	33	+4	NNW	1	0	*	0	50	31	—
	Lyons ...	29.20	49	NNW	2	b	29.27	+0.07	44	39	+4	SE	1	0	0	0	54	33	—
	Nice ...	29.22	51	SE	2	b	29.24	-0.02	42	42	+1	W	2	0	0	0	53	33	—
	Perpignan ...	29.07	60	NNW	4	b	29.08	+0.01	42	40	-2	SE	4	0	*	0	64	37	—
PENINSULA.	Corunna ...	29.26	58	NNW	2	0	29.25	0.01	39	35	-2	NW	4	0	*	0	68	35	0.16
	Lisbon ...	29.26	58	NNW	2	0	29.25	0.01	39	35	-2	NW	4	0	*	0	68	35	0.16

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Tuesday, 27th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their bars and feathers refer to forces thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4;

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

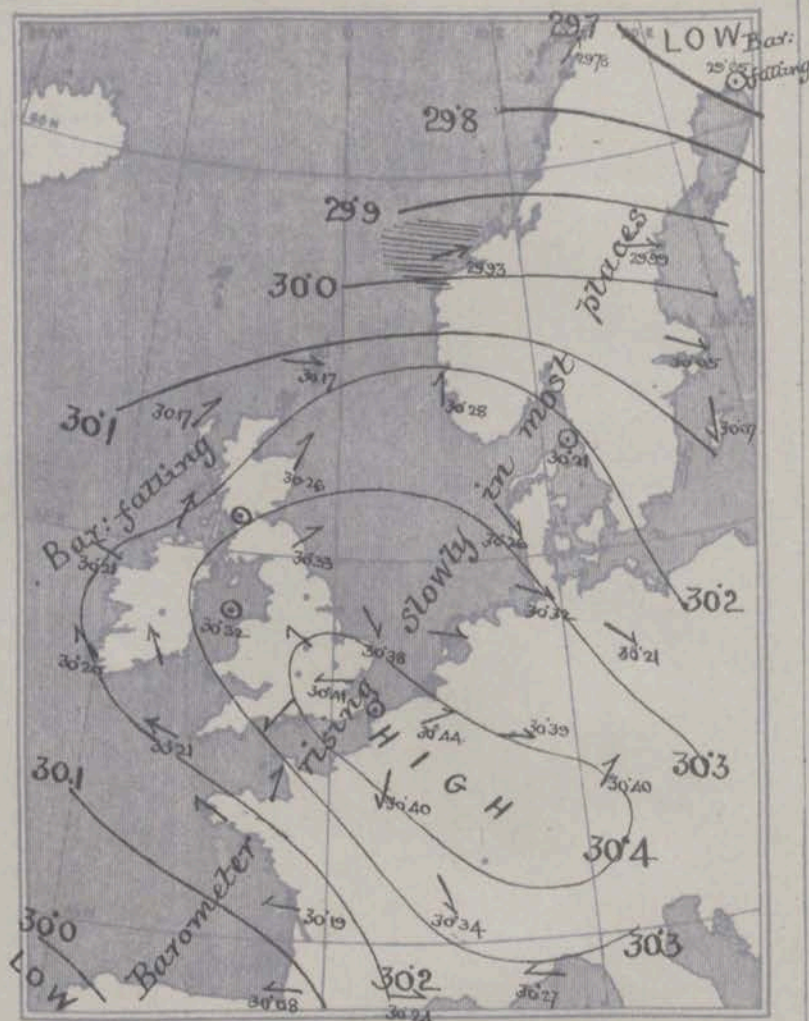
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.833
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.863
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.917
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

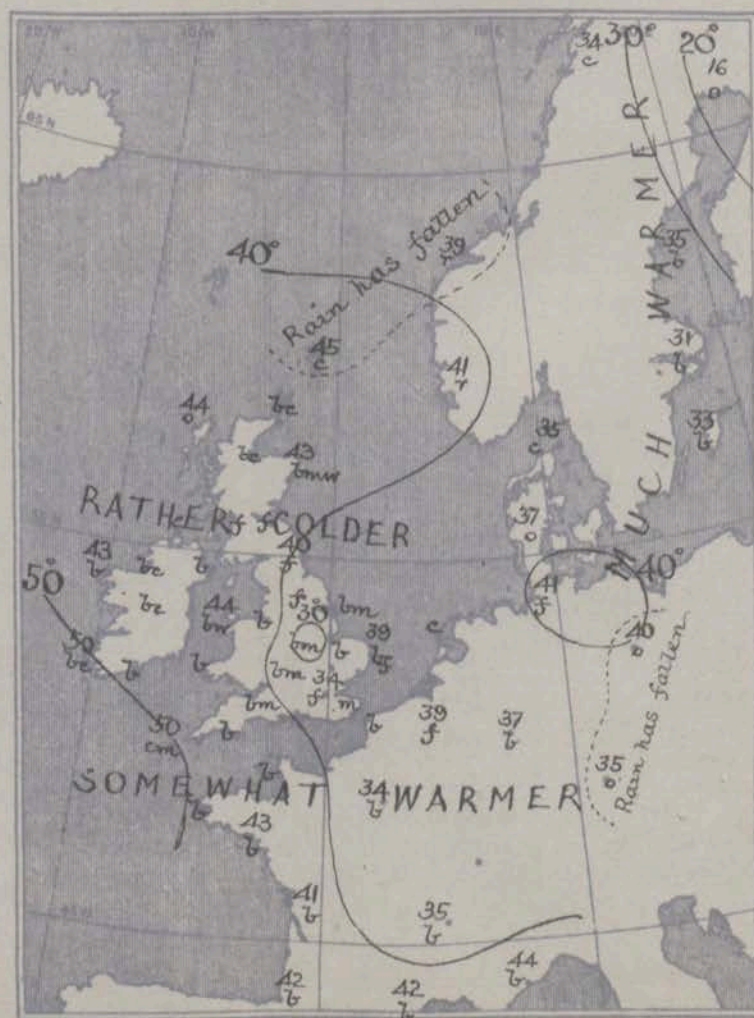
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.6	33.9	38.3	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.6	36.5	2.33
Leith.....	47.9	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head.....	44.7	35.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	34.2	39.0	37.3	1.64
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead.....	47.2	38.9	42.0	40.5	2.37
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.6	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Scilly	49.5	42.5	46.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.6	35.4	40.1	38.2	1.49
Oxford	49.0	34.8	38.9	37.4	1.59
Cambridge	50.2	33.9	38.9	37.5	1.40
Yarmouth	45.2	34.9	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins: and more, to 30.1 ins: in an anticyclone covering almost the whole of Western Europe, and having its central area over the south-west of England and the N.E. and E. of France.
Lowest, 30.1 ins: and less over Spain; 29.7 ins: and less over the east of Scotland and the Kola Peninsula.

Gradients slight generally, especially over England, the Channel, and France.

Barometer falling somewhat in the north-west and west, not changing much elsewhere.

TEMPERATURE

Highest, 50° at Valencia (Ireland) and at Lill, 48° at Jersey, Bournemouth, and Rockport, 46° at Wick.

Lowest, (1) 16° at Haparanda, 31° at Stockholm; (2) 28° at Loughborough, 30° at Shields, 31° at York, 34° in London, and at Paris.

The range has again been considerable during the past day, and sharp frost was experienced inland early this morning.

WIND

Moderate from E. over the Bay of Biscay and Channel, from S.E. on our southwestern coasts; light to moderate from the S.W. in Scotland, strong S.W. in the north-west of Norway, moderate N.W. over Denmark and North Germany.

Variable air and Calms prevail over the southeastern half of England, in Belgium, and the northeast of France.

WEATHER

Cloudy and rainy in Norway, fine almost everywhere else — and in most places clear.

Fog prevails, however, in London and at Brussels, and haze at many of the southeastern and southern stations.

SEA

Rather rough on the Norwegian coasts, moderate at several of our most northern and western stations, smooth in the south and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No great change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 22nd March 1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

S.W. winds, freshening, with some rain.

1 SCOTLAND
EAST

S.W. winds, light or moderate; fine, milder.

2 ENGLAND
N.E.

Same as No 5.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

S.W. breezes, light; fair, fog at times, cold again at night.

5 ENGLAND
SOUTH

Varying airs and Calms; foggy and clear alternately. Very cold tonight.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

S. and S.W. winds, freshening, fair.

7 ENGLAND
N.W.

8 ENGLAND
S.W.

S.E. and S. breezes, fresh to moderate; fair.

9 IRELAND
NORTH

Same as No 6 and 7.

10 IRELAND
SOUTH

Same as No 8 except in far west, where rain is probable.

WARNINGS

None issued.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.15	45	44	NW	4	of	2	Valencia ...	30.27	52	48	NE	4	bm	4
Sundburgh Head ...	30.14	47	46	W	2	c	4	Scilly ...	30.27	48	44	ENE	5	bc	4
Stornoway ...	30.20	51	48	W	2	c	2	Jersey ...	30.37	52	46	E	4	bm	3
Aberdeen ...	30.20	53	48	SE	2	bc	2	Hurst Castle ...	30.42	49	46	SE	2	bm	1
Shields ...	30.24	52	48	SE	2	c	2	Dungeness ...	30.42	49	45	S	2	bc	1
Ardrossan ...	30.35	48	46	SE	1	o	1	North Foreland ...	30.40	46	42	S	1	bm	3
Malin Head ...	30.30	51	47	SW	1	bc	1	London ...	30.41	54	45	SE	1	bc	*
Mullaghmore ...	30.27	52	46	SW	4	bc	2	Yarmouth ...	30.37	46	43	SE	2	bc	3
Belmullet ...	30.27	52	48	SW	1	bc	*	Rochefort ...	30.19	54	49	ENE	4	bc	*
Holyhead ...	30.27	51	48	SW	2	bc	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine and bright over the greater part of Western and Southern Europe, as well as over Finland, Sweden, and the Baltic. Dull at most of the Russian stations, rain in the south of Denmark, snow falling in many parts of Germany and Austria, as well as at Bodo. Dull in Algeria and Central Spain, with rain at Madrid and Nemours. No important change occurring over Western Europe during day.

Temperature risen over our Islands, France, and the eastern shores of the North Sea, but fallen elsewhere. Morning readings highest, 60° at Billbo, 53° at Liebo, 58° at Nemours and Oron, and 57° at Cronne and San Fernando; above 50° at most of the Mediterranean stations and very little below it in the east of Scotland. Lowest -10° F. at Haparanda, -4° at Uleaborg, +4° at Kuopio, 5° at Hangö, 8° at Helsingfors, 12° at Helsingfors; below the freezing point over nearly the whole of northern, eastern, and central Europe, as well as over Central England. Rising during day to 55° or more in several parts of Great Britain, and reaching 60° at Loughborough; exceeding 60° at some of the western and southern French stations. Frost occurring in many parts of Great Britain at night.

Wind light to fresh from the E. over France and Spain, and from the SE. in the southwest of our Islands. Light S or SW over our extreme northwestern coast, and from the W. in the north and east of Great Britain. SW or W in the west of Norway, but E. at Bodo. N or NW over the Baltic and the greater part of Russia, NW or W over Germany and Austria; N in Italy and Algeria. No important change occurring during day.

Barometer highest 30.4 ins. and upwards, over England, the Netherlands, and the northeastern parts of France; 30.1 ins. and upwards in an anticyclone covering nearly the whole of Western, central, and southern Europe, with the greater part of the Mediterranean. Lowest 29.5 ins. to 29.6 ins. in a depression lying off the northwest of Norway and also in another system over Central Russia, 29.95 ins. and less, in a shallow disturbance off the southwest of Spain. Slight fall of barometer taking place over Western Europe during day but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 25th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Change since Yesterday Morn.		SHADE TEMP.			Wind. Direc. Force (0 to 12).	Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.		
				Direc.	Force (0 to 12).			Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Max.	Min.								
SCANDINAVIA.		Inch.	°				Inch.	°	°	°							°	Inch.		
Haparanda ...		29.78	14	Z	0	b	29.96	+2.1	6	6	-10	Z	0	b	#	b	28	5		
Hernösand ...		30.05	38	Z	0	c	29.98	-0.1	43	39	+8	W	2	o	#	c	46	27		
Stockholm ...		30.16	34	W	1	b	30.08	+0.8	86	83	+5	W	2	o	#	b	43	18		
Wisby ...		30.22	32	W	4	b	30.13	+0.6	34	33	+1	W	4	e	#	b	37	28		
Bodö ...		29.88	37	W	6	c	29.71	-0.7	35	34	0	SE	2	7	1	c	37	30		
Christiansund...		30.15	42	W	7	o	30.06	+1.5	44	41	+5	W	6	o	4	o	45	39		
Skudesnaes ...		30.30	41	Z	0	f	30.26	-0.2	39	38	-2	ESE	1	f	2	f	45	36		
Christiania Fjord (Fjord)		30.20	36	W	4	b	30.16	-0.8	83	82	0	W	2	o	1	b	39	30		
Skagen (The Scaw)		30.25	37	W	1	b	30.19	-0.2	38	36	+3	W	1	o	0	b	45	34		
Fanö ...		30.24	37	W	4	b	30.30	+0.4	37	37	0	W	2	o	#	b	46	36		
Sumburgh Head		30.17	45	W	1	c	30.11	-0.6	45	43	0	W	2	o	3	c	50	37		
Stornoway ...		30.17	46	W	4	c	30.12	-0.5	46	44	+2	W	4	o	4	c	48	35		
Wick ...		30.21	44	SE	2	b	30.16	-0.4	45	43	-1	S	3	o	1	b	54	32		
Nairn ...		30.18	53	Z	0	b	30.18	-0.3	39	38	-1	Z	0	o	0	b	59	33		
Aberdeen ...		30.23	53	W	2	b	30.22	-0.4	42	39	-1	W	1	o	1	b	62	32		
Leith ...		30.27	49	S	1	c	30.26	-0.4	35	33	+2	Z	0	m	#	c	59	28		
Shields ...		30.29	50	Z	0	m	30.29	-0.4	40	38	0	W	2	m	2	f, b	56	35		
Spurn Head ...		30.33	43	SSE	3	b	30.33	-0.3	41	39	0	S	2	b	3	f, b	53	37		
York ...		30.32	54	S	1	b	30.34	-0.4	36	35	+3	S	1	o	#	b	61	30		
Loughborough		30.34	58	SE	1	b	30.36	-0.4	30	29	+2	SE	1	o	#	b	65	26		
Ardrossan ...		30.26	47	Z	0	b	30.25	-0.5	45	41	+6	NE	1	o	0	b, b	52	36		
Malin Head ...		30.19	47	W	1	b	30.17	-0.2	46	42	+5	S	4	o	2	b	55	40		
Mullaghmore ...		30.19	55	SSE	3	c	30.19	-0.3	48	43	+4	SE	2	o	2	b, c	56	43		
Belmullet ...		30.17	53	SW	1	b	30.16	-0.5	47	44	+4	ESE	1	o	#	b	55	40		
Donaghadee ...		30.28	46	SSW	4	b	30.28	-0.3	42	42	-1	SSW	4	o	2	b	54	39		
Liverpool (Bidston)		30.31	54	SE	2	b	30.31	-0.5	41	38	-1	ESE	2	o	2	b	60	37		
Holyhead ...		30.29	51	Z	0	b	30.26	-0.6	46	43	+2	Z	0	o	0	b	58	40		
Parsonstown ...		30.22	52	Z	0	b	30.20	-0.4	43	41	+1	SE	1	o	#	b	60	37		
Valencia ...		30.17	54	E	3	b	30.15	-0.5	62	47	+2	SE	3	o	3	b	59	44		
Roche's Point		30.23	49	SE	1	o	30.20	-0.9	48	46	0	SE	4	o	4	b	52	43		
Pembroke (St. Ann's Hd.)		30.27	49	E	4	b	30.24	-0.6	46	45	+1	E	4	o	3	b	53	42		
Scilly ...		30.22	50	ESE	4	o	30.16	-0.5	50	49	0	ESE	4	o	3	b	53	46		
Prawle Point ...		30.29	46	E	3	b	30.24	-0.9	49	47	+1	E	3	o	2	b	54	45		
Jersey (St. Aubin's)		30.26	54	E	4	b	30.23	-1.1	50	44	+2	E	3	o	3	b	61	44		
Hurst Castle ...		30.35	48	E	2	b	30.30	-0.9	41	40	-4	E	3	o	2	b	56	34		
Dungeness ...		30.33	46	NE	2	o	30.29	-1.0	45	44	+6	NE	3	o	2	b, o	51	38		
North Foreland		30.37	45	E	1	b	30.33	-0.5	45	44	0	E	1	o	3	b, b	50	40		
London ...		30.37	50	ESE	2	b	30.35	-0.6	40	40	+6	E	1	o	#	b, b	56	33		
Oxford ...		30.37	43	Z	0	b	30.34	-0.8	36	35	0	E	1	o	#	b	61	29		
Cambridge ...		30.37	51	ESE	1	b	30.37	-0.5	35	35	+1	ESE	1	o	#	b	62	30		
Yarmouth ...		30.37	43	SSE	3	b	30.35	-0.3	42	41	+3	SE	1	o	2	b	46	26		
Cuxhaven ...		30.38	40	W	4	o	30.37	+0.5	41	40	0	W	2	o	#	o	42	39		
Berlin ...		30.32	39	W	3	b	30.33	+1.2	38	37	-2	W	3	o	#	b	43	34		
Wiesbaden ...		30.34	39	W	4	b	30.39	0.0	41	39	+4	NE	2	o	#	#	54	34		
Munich ...		30.34	39	W	4	b	30.34	-0.6	35	35	0	W	3	o	#	b	48	34		
The Helder ...		30.46	41	N	1	b	30.43	-0.3	42	41	+2	ESE	1	o	1	b	45	39		
Brussels (9 a.m.)		30.31	45	W	1	m	30.37	-0.7	37	37	-2	ESE	1	f	#	b	54	31		
Cape Gris Nez		30.31	53	W	2	b	30.26	-0.9	38	37	-4	E	1	m	0	m	50	34		
Paris ...		30.31	60	W	1	b	30.28	-1.2	37	36	+3	E	2	o	#	b	62	34		
Brest ...		30.18	57	ESE	4	b	30.14	-0.9	46	41	+1	E	3	o	2	b	63	41		
Lorient ...		30.18	57	ESE	4	b	30.14	-0.9	45	42	+2	E	4	o	2	b	63	43		
Rochefort ...		30.12	65	E	2	b	30.20	+0.1	46	42	+5	E	3	o	#	b	68	39		
Belfort ...		30.26	54	NE	1	b	30.26	-0.8	41	39	+6	NE	2	o	#	b	69	36		
Lyons ...		30.26	52	NE	1	b	30.22	-0.5	41	42	0	E	1	o	#	b	57	35		
Nice ...		30.26	48	S	1	b	30.22	-0.5	44	42	0	E	1	o	#	b	55	41		
Perpignan ...		30.08	60	E	2	b	30.07	-0.1	53	45	+11	SSE	3	o	#	b	7	42		
Biarritz ...		30.08	60	E	2	b	30.07	-0.1	53	45	+11	SSE	3	o	#	b	7	42		
Corunna ...		29.96	59	NE	4	o	29.99	+0.4	36	52	-1	NE	5	o	#	o	64	55		
Lisbon ...		29.96	59	NE	4	o	29.99	+0.4	36	52	-1	NE	5	o	#	o	64	55		

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday, 22nd March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—

→ forces above 10; → forces 8 to 10; → forces 5 to 7; → forces 1 to 4.

⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

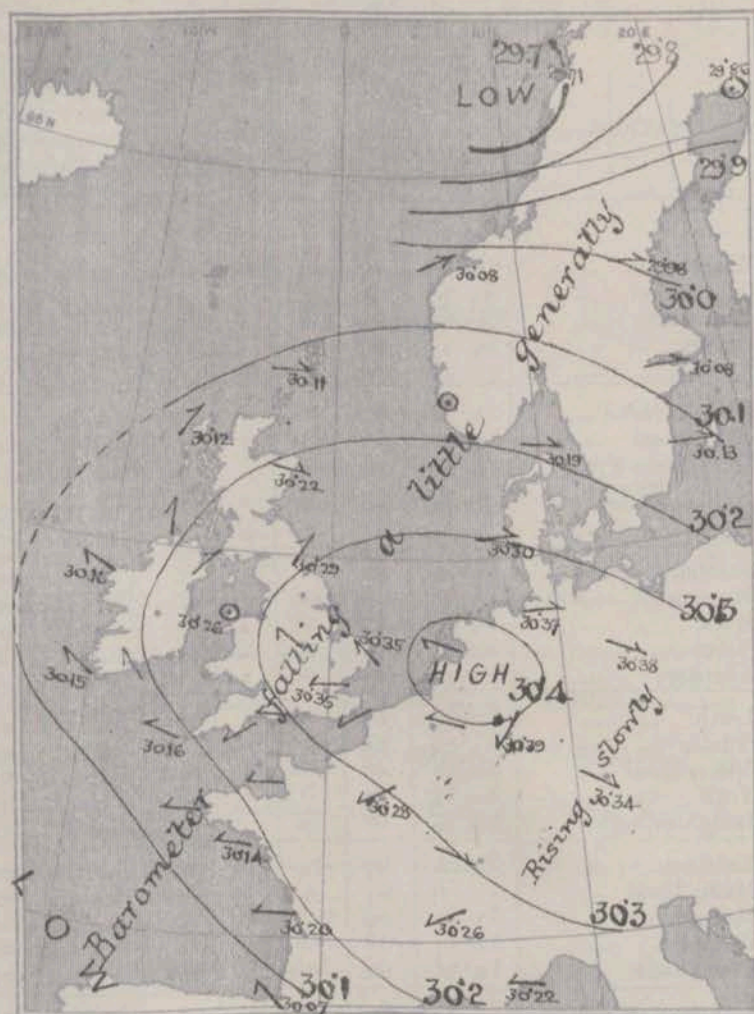
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—Is shown by letters of the Beaufort Scale.

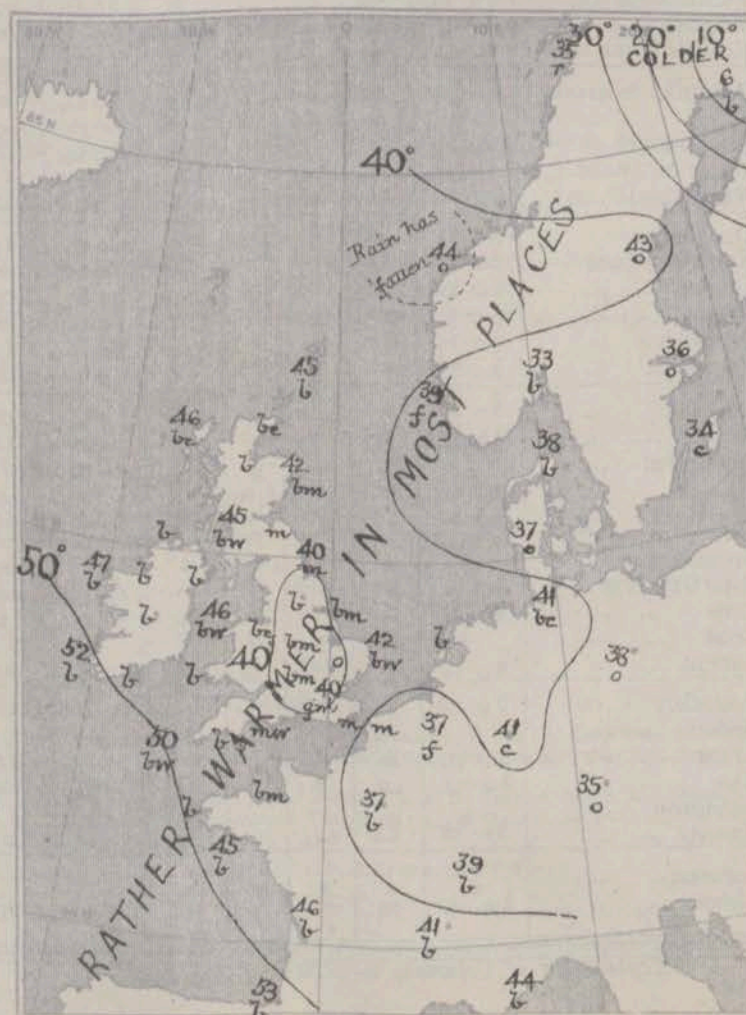
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.6	33.9	38.3	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith.....	47.0	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head.....	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.64
Ardrossan	40.3	35.3	40.1	38.5	2.44
Mullaghmore	47.0	38.4	41.9	40.2	2.87
Donaghadee.....	47.2	37.1	40.8	39.5	2.05
Holyhead.....	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	38.2	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.0	39.1	42.1	40.3	2.40
Sally	49.5	42.5	46.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	45.4	38.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.6	38.9	37.4	1.50
Cambridge	50.2	39.0	38.9	37.3	1.40
Yarmouth	48.2	34.9	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and more to 30.1 in. in a large anticyclone covering Germany, France, the North Sea, and the southern half of Sweden.
Lowest, about 29.7 in. over Denmark, 29.0 in. and less, over the Spanish Peninsula.
Gradients very slight.
Barometer still shows a tendency to fall slightly.

TEMPERATURE

Highest, ^{56° at Dublin} 53° at Limerick, 52° at Valencia (Ireland), 50° at Killybegs, 46° at Malin Head and Hornsby.
Lowest, 6° F. at Haparanda, 34° at Mitz, 35° both at Bonn and Munich, 31° at Paris.
The maxima recorded yesterday ranged between 60° and 65° at stations in many parts of our northern, midland, and eastern districts, but the night was again cold (minima 26° at Loughborough, 29° at Oxford, 30° at Cambridge).

WIND

E^{ly} light to moderate over France, the Bay of Biscay, and the English Channel, SE^{ly} to S^{ly} in Ireland.
S^{ly} to W^{ly} in the north of Scotland, W^{ly} over Denmark, NW^{ly} over Germany. Over England it is very light from E. and SE.

WEATHER

Dull and rainy over the northern half of Norway, dull in Sweden, fine and bright almost everywhere else.
Mist is prevalent however, over the Channel and southeastern counties of England.
Christiansund is the only station reporting a measurable fall of rain.

SEA

Moderate in the Minch and at Humbermouth, slight to smooth on our coasts as a whole.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in progress are too slight and general to indicate any decided alteration in the weather.

FORECASTS

For the 24 hours ending at NOON on 23rd March 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SW ^{ly} breezes, moderate to fresh, a little rain. |
| 1 | SCOTLAND EAST | } SW ^{ly} and S ^{ly} breezes, light; fine, mild. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Same as No. 5. |
| 4 | MIDLAND COUNTIES | SE ^{ly} breezes, light; fine, mild during day cold at night. |
| 5 | ENGLAND SOUTH | E ^{ly} breezes, light to moderate; fine, mild day, cold night. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | Same as No. 0. |
| 7 | ENGLAND N.W. | SE ^{ly} breezes, light; fine. |
| 8 | ENGLAND S.W. | Same as No. 5. |
| 9 | IRELAND NORTH | } SE ^{ly} winds, moderate or fresh; fine |
| 10 | IRELAND SOUTH | |
| WARNINGS | | NONE ISSUED. |

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.32	44	43	W	2	tf	2	Valencia ...	30.18	68	53	SSE	4	bcm	4
Samburgh Head ...	30.17	47	45	W	2	c	3	Scilly ...	30.22	51	49	ESE	5	b	3
Stornoway ...	30.17	48	47	W	4	c	4	Jersey ...	30.31	58	50	E	3	b	1
Aberdeen ...	30.22	61	49	W	2	b	1	Hurst Castle ...	30.37	52	49	EHE	3	b	1
Shields ...	30.31	54	49	E	1	bm	2	Dungeness ...	30.37	51	47	NE	2	bc	1
Ardrossan ...	30.29	49	46	Z	0	b	0	North Foreland ...	30.37	45	42	EHE	1	b	2
Malin Head ...	30.32	53	48	SSW	2	bc	2	London (Westminster) ...	30.38	53	46	Z	0	f	0
Mullaghmore ...	30.22	50	47	W	1	bc	1	Yarmouth ...	30.39	46	44	E	2	bcm	2
Behmullet ...	30.25	55	50	SSE	1	b	1	Rochefort ...	30.16	64	55	E	3	b	0
Holyhead ...	30.33	57	50	SW	2	b	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine over the greater part of the United Kingdom, France and Italy, as well as over Finland and Sweden; local fogs reported over the south of Scotland and the northeast and southeast of England, as well as in the Netherlands. Fog very dense in London during early part of day. Rain in the west of Norway; dull over the greater part of Russia, Germany, and Austria, with snow in places, dull also in Spain and Algeria with rain at Nemours. Weather clearing later in many parts of England and remaining fair and dry over Western Europe generally.

Temperature fallen in the north of our Islands and also in Spain and Russia, risen elsewhere. Morning readings highest 60° at Oporto, 59° at Bilbao and Algiers, and 58° at Barcelona; above 50° over the western parts of the Mediterranean generally and on the Spanish coast, and touching that point in the extreme southwest of our Islands. Lowest -2° F. at Kuopio, +12° at Petersburg, 13° at Uleaborg, and 16° at Haparanda; below the freezing point in many parts of Russia and Austria and also over Central England. Rising during day to 60° or more at some of the English and Scotch stations, and reaching 65° at Loughborough. Exceeding 65° in the west of France, but remaining below 60° in the Riviera.

Wind light or moderate from the End over Spain and the Bay of Biscay, and the English Channel, fresh from the SEnd on our extreme southwest coast, light from the Snd or SWnd in the north of our Islands, and strong from the same quarters in the west of Norway. NWnd or Nnd over Denmark, north Germany, and the Baltic; Wnd in Austria. Chiefly Nnd in Italy, but Snd in Algeria. No important change occurring over Western Europe during day.

Barometer highest 30.4 ins. and upwards over southwestern Germany, Belgium, and the southeastern parts of England; 30.1 ins. and upwards in an anticyclone covering all but the northern and extreme southwestern parts of Europe. Lowest 29.6 ins. and less, in the neighbourhood of the White Sea. Slight fall of barometer taking place over the western countries during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 23rd March,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		SHADE TEMP.			Wind.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.				
				Force (0 to 12).	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).		Weather.	Weather.		Max.	Min.		
Inch.	°				Inch.	°	°	°								Inch.					
SCANDINAVIA.	Haparanda ...	29.84	9	2	0	b	29.61	-25	25	25	+ 19	SSW	2	3	†	b	32	-14	0.00		
	Hernösand ...	29.87	43	nnw	6	r	29.88	-10	43	39	+ 0	SW	2	6c	†	r	52	36	-		
	Stockholm ...	29.99	41	w	2	0	30.00	-08	39	36	+ 3	SW	2	b	†	0	46	30	-		
	Visby ...	30.02	40	w	4	b	30.06	-07	36	35	+ 2	WSW	4	0	†	b	43	28	-		
	Bodö ...	29.65	39	SSW	2	r	29.60	-11	37	37	+ 2	SW	6	r	3	r	39	34	0.32		
	Christiansund...	30.01	45	WSW	5	0	29.98	-10	43	42	- 1	WSW	8	r	5	0	45	43	0.04		
	Skudesnaes ...	30.20	39	z	0	b	30.20	-06	38	38	- 1	ESE	1	†	2	f, b	43	36	-		
	Christiania Fjord (Fjorden)	30.04	36	z	0	b	30.24	-12	30	30	- 3	z	0	f	1	b	39	30	-		
	Skagen (The Scaw)	30.07	37	w	3	b	30.07	-12	39	37	+ 1	w	1	b	0	b	45	36	-		
	Fanö ...	30.23	36	w	3	b	30.21	-09	37	37	+ 0	w	2	b	†	b	39	36	-		
BRITISH ISLANDS.	Sumburgh Head	30.10	45	w	3	0	30.11	-00	44	44	- 1	w	1	0	3	c, o	51	42	0.01		
	Stornoway ...	30.13	48	SW	4	bc	30.11	-01	43	43	- 1	z	0	b	2	bc	51	35	-		
	Wick ...	30.14	50	z	0	b	30.15	-01	35	34	- 10	z	0	b	1	b	57	30	-		
	Nairn ...	30.13	58	z	0	bc	30.15	-03	36	35	- 3	z	0	b	1	bc	62	28	-		
	Aberdeen ...	30.18	45	ESE	1	b	30.19	-03	39	36	- 3	w	1	bmw	1	b	61	34	-		
	Leith ...	30.20	52	w	1	b	30.20	-06	40	37	+ 5	w	1	m	†	b	63	30	-		
	Shields ...	30.21	55	s	1	bm	30.23	-06	38	36	- 2	WSW	2	f	2	bm	61	34	-		
	Spurn Head ...	30.26	43	ESE	2	b	30.27	-06	39	38	- 2	s	2	b, f, w	2	b	47	38	-		
	York ...	30.26	56	SSE	1	b	30.27	-07	35	35	- 1	SSE	1	f	†	b	61	31	-		
	Loughborough	30.26	57	NNE	1	b	30.31	-05	30	30	- 0	z	0	f	†	b	62	29	-		
GERMANY & HOLLAND.	Ardrossan ...	30.19	49	z	0	bm	30.19	-06	41	38	- 4	NE	1	bm	0	bm	60	36	-		
	Malin Head ...	30.14	54	z	2	b	30.11	-06	49	45	+ 3	s	3	cm	2	b	58	43	-		
	Mullaghmore ...	30.12	58	SSE	3	b	30.11	-08	48	45	- 0	w	3	cm	3	b	60	45	-		
	Belmullet ...	30.11	55	s	1	b	30.08	-08	48	46	- 1	SSE	3	bc	†	b	60	44	-		
	Donaghadee ...	30.22	48	SSW	3	b	30.21	-04	42	42	- 0	WSW	3	m	1	b	56	39	-		
	Liverpool (Bidston)	30.25	54	SSE	1	b	30.24	-07	43	40	+ 2	SE	2	m	2	b	59	38	-		
	Holyhead ...	30.21	50	z	0	bc	30.20	-06	44	45	+ 3	z	0	bw	0	bc	60	42	-		
	Parsonstown ...	30.15	45	z	0	b	30.15	-05	44	43	+ 1	SE	1	om	†	b	61	39	-		
	Valencia ...	30.10	57	SE	4	bm	30.14	-01	51	50	- 1	SSE	3	og	3	bm	61	45	-		
	Roche's Point	30.16	49	SE	4	b	30.18	-02	48	46	- 0	SE	1	cm	3	b	52	46	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.19	51	E	4	m	30.21	-03	46	45	- 0	E	2	bm	2	bm	53	42	-		
	Scilly ...	30.15	50	ESE	4	b	30.18	+02	50	49	- 0	ESE	2	mw	3	b	54	45	-		
	Prawle Point ...	30.20	47	ESE	2	b	30.22	-02	50	48	+ 1	ESE	3	bm	2	b	56	42	-		
	Jersey (St. Aubin's)	30.17	55	ESE	3	bm	30.22	-01	54	47	+ 4	E	3	bm	3	bm	61	42	-		
	Hurst Castle ...	30.23	49	E	2	bm	30.26	-04	46	45	+ 5	ESE	3	bmw	1	bm	55	40	-		
	Dungeness ...	30.23	46	ESE	4	m	30.26	-03	46	45	+ 1	z	0	m	0	bm	53	58	-		
	North Foreland	30.26	44	E	1	b	30.28	-05	44	43	- 1	E	1	b, f, w	2	b	47	36	-		
	London ...	30.28	47	E	2	b	30.30	-05	38	38	- 2	ESE	2	of	†	f, b, m	57	35	-		
	Oxford ...	30.26	49	E	1	b	30.30	-04	31	31	- 5	z	0	bf	†	b, m	58	30	-		
	Cambridge ...	30.29	50	ESE	1	b	30.31	-06	37	37	+ 2	ESE	1	0	†	b	63	34	-		
PENINSULA.	Yarmouth ...	30.30	44	SE	3	b	30.29	-06	43	42	+ 1	SE	1	bmw	2	b	46	40	0.01		
	Cuxhaven ...	30.35	41	w	4	b	30.31	-06	41	40	- 0	w	2	m	†	b	47	40	-		
	Berlin ...	30.29	45	SSE	2	0	30.23	-10	37	36	- 1	HW	3	†	†	0	48	37	-		
	Wiesbaden ...	30.32	38	SE	1	†	30.35	-04	37	35	- 4	E	2	b	†	†	54	34	-		
	Munich ...	30.37	43	ESE	1	b	30.33	-01	32	31	- 3	SSE	2	b	†	b	45	27	-		
	The Helder ...	30.37	43	ESE	1	b	30.38	-05	37	36	- 5	SSE	1	f	†	b	50	36	-		
	Brussels (8 a.m.)	30.21	47	E	1	m	30.23	-03	48	46	+ 10	s	2	b	†	m	52	38	-		
	Cape Gris Nez	30.21	57	E	3	b	30.26	-02	38	36	+ 1	HW	1	b	†	b	57	36	-		
	Brest ...	30.13	51	S	2	b	30.19	+05	44	42	- 2	E	1	b	†	b	68	39	-		
	Lorient ...	30.13	51	S	2	b	30.19	+05	46	43	+ 1	E	2	b	2	b	59	45	-		
FRANCE AND BELGIUM.	Rochefort ...	30.10	57	HW	3	b	30.15	-05	46	46	- 0	SE	2	b	†	b	66	45	-		
	Belfort ...	30.16	55	NNE	2	b	30.26	-00	41	39	- 0	SE	1	b	†	b	60	37	-		
	Lyons ...	30.18	48	NNE	1	b	30.26	+04	49	46	+ 5	z	0	c	†	b	62	37	-		
	Nice ...	30.05	58	NNE	3	b	30.15	+08	52	48	- 1	ESE	2	b	†	b	57	43	-		
	Perpignan ...	30.05	58	NNE	3	b	30.15	+08	52	48	- 1	ESE	2	b	†	b	66	46	-		
	Biarritz ...	30.05	58	NNE	3	b	30.15	+08	52	48	- 1	ESE	2	b	†	b	66	46	-		
	Corunna ...	30.08	58	HW	4	0	30.15	+16	57	55	+ 1	NNE	4	bc	†	0	64	54	-		
	Lisbon ...	30.08	58	HW	4	0	30.15	+16	57	55	+ 1	NNE	4	bc	†	0	64	54	-		

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 23rd March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4;

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

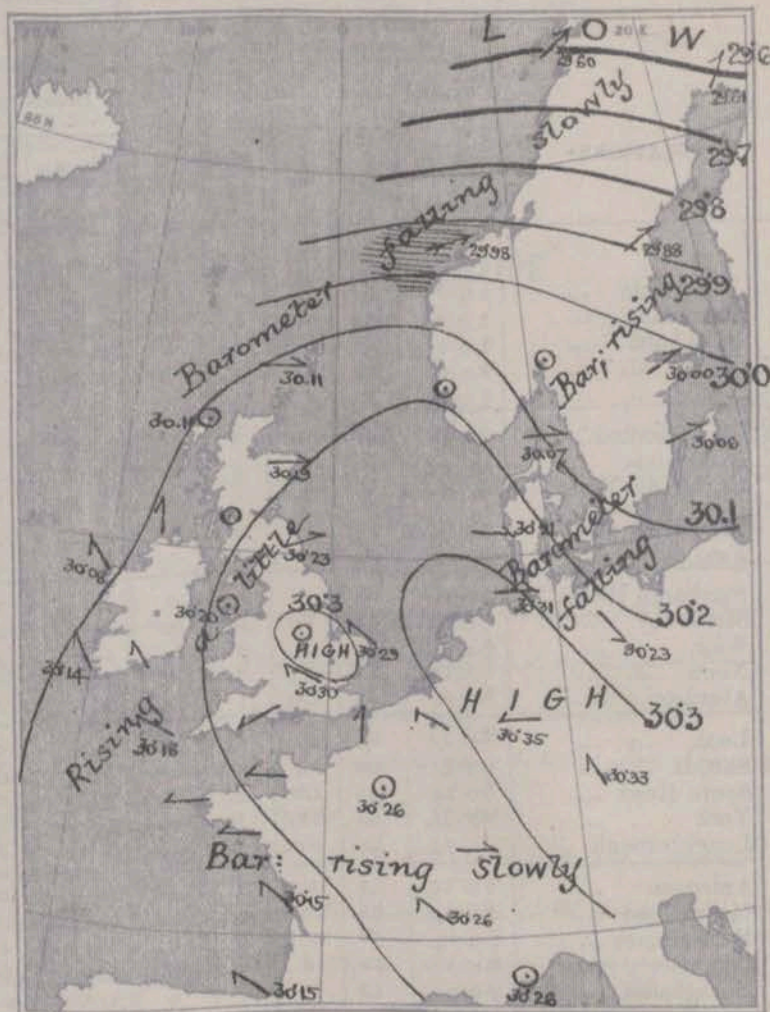
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.833
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.922
Androssan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.937
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Silly	29.947
Prawle Point	29.966
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

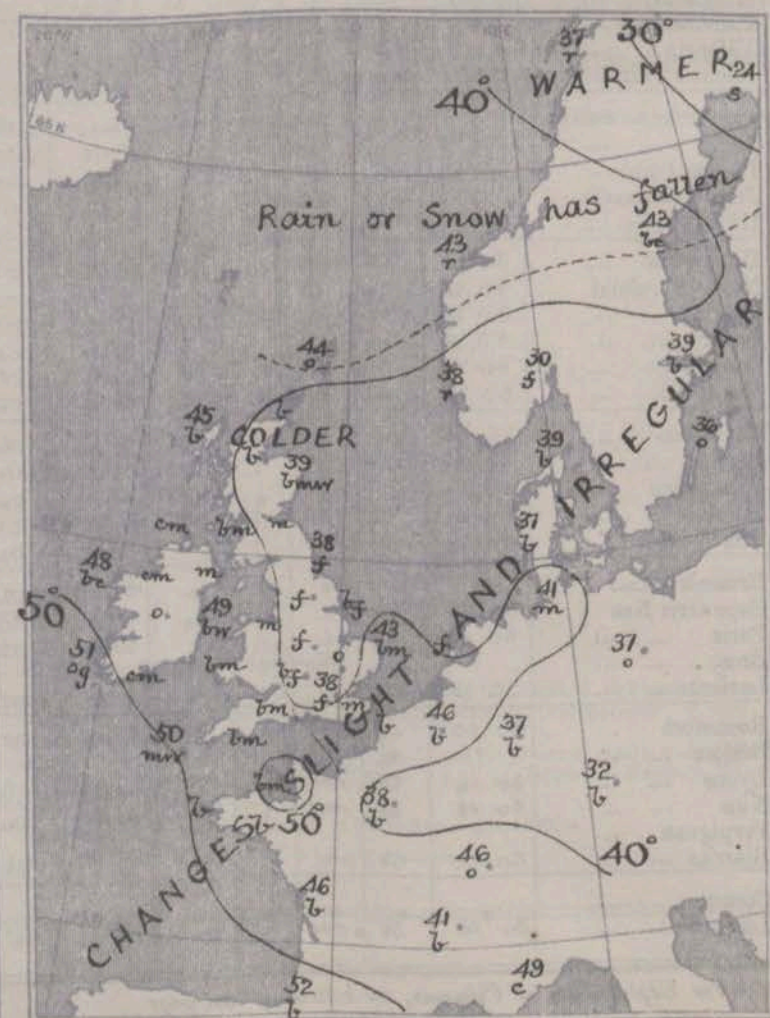
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	33.9	33.3	36.9	2.79
Stornoway	44.9	34.5	39.1	39.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.0	33.9	38.0	36.2	1.68
Aberdeen	46.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.4	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	34.2	39.0	37.3	1.64
Androssan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.9	33.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.6	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.5	41.6	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Silly	49.5	42.5	46.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.4	1.60
Cambridge	50.2	33.0	38.9	37.6	1.40
Yarmouth	45.2	34.9	40.2	38.6	1.89

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and more to 30.1 ins. in an anticyclone which still covers Germany, France, the North Sea, and British Islands.
 Lowest, 29.6 ins. and less, over Ireland, 30.0 ins. and less, over the Gulf of Finland.

Gradients slight, but becoming less regular than of late.

Barometer beginning to rise over Spain and the Bay of Biscay, but falling over the more northern and eastern parts of our area.

TEMPERATURE

Highest, 57° at Kiatow, 52° at Biarritz, 51° to 50° on our extreme southwestern coast.

Lowest, (1) 24° at Haparanda, (2) 30° at Loughborough, 31° at Oxford, 35° both at York and Wick, (3) 32° at Harbuden, 37° at Berlin, 38° at Paris.

Maxima ranging from 60° to 63° were recorded in many parts of our Islands yesterday, but on our extreme eastern coast the highest points reached were 46° to 47°.

WIND

Light to moderate from E at the southern stations, from SE and S. in the west, and strong from SW. in the far north.
 Over England SE³ airts and calms are mainly prevalent.

WEATHER

Rainy over the northern half of Norway, snowing at Haparanda.
 Fine in almost all other places, but with fog or haze in many parts of our Islands.

SEA

Smooth or nearly so, except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be decreasing in intensity and is less regular in outline than of late.

FORECASTS

For the 24 hours ending at NOON on 24th March 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | SW ² varying winds; weather becoming less fair, some rain. |
| 1 | SCOTLAND EAST | SW ² winds, light; fine, mild. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Varying airts; foggy and clear alternately. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | E ² and SE ² winds, light; fine, milder, some fog locally. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | Same as No 0 |
| 7 | ENGLAND N.W. | Same as Nos 1 and 2. |
| 8 | ENGLAND S.W. | E ² winds, moderate; fair. |
| 9 | IRELAND NORTH | SE ² and S ² winds, freshening; less fair than of late. |
| 10 | IRELAND SOUTH | |
| WARNINGS | | NONE ISSUED. |

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.24	42	39	ESE	1	f	2	Valencia ...	30.12	61	54	SE	4	bm	4
Sumburgh Head ...	30.11	49	46	W	2	c	3	Scilly ...	30.15	53	50	ESE	4	b	3
Stornoway ...	30.13	49	48	SW	4	bc	4	Jersey ...	30.20	60	52	E	3	bm	3
Aberdeen ...	30.18	61	51	SSE	2	b	1	Hurst Castle ...	30.26	53	50	EHE	3	bm	2
Shields ...	30.24	58	50	E	1	bm	2	Dungeness ...	30.26	50	47	EHE	4	b	3
Ardrossan ...	30.25	53	48	Z	0	bm	0	North Foreland ...	30.29	47	43	E	1	b	3
Malin Head ...	30.15	58	50	S	3	b	1	London (Westminster)	30.29	54	46	E	2	b	2
Mullaghmore ...	30.15	55	50	WNW	1	b	1	Yarmouth ...	30.33	46	44	SE	2	b	2
Belmullet ...	30.12	59	55	SSW	1	b	1	Rocheport ...	30.11	62	56	WNW	2	b	2
Holyhead ...	30.24	59	51	SW	2	b	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright in nearly all parts of our Islands, France, Italy, and Austria, but with wet mists at several of the English and Scotch stations. Dull over the greater part of Scandinavia, Russia, and Germany, with rain at Riga, and with snow at Moscow and Lemberg; dull also in Spain and Algeria, with rain at Madrid. Local mist over Great Britain dissipating later; weather fine and dry in all parts of Western Europe, but rain falling in the north of Scandinavia.

Temperature rising generally, but fallen in some parts of Northern Russia. Morning readings: highest 65° at Corunna, 61° at Bilbao, 60° at Nemours and Oran, and 55° at Toulon and San Fernando; above 50° on the Spanish coast and over the western parts of the Mediterranean, as well as in the extreme southwest of our Islands. Lowest 6° at Haparanda, 12° at Archangel and Uleaborg, and 21° at Kiofio, Moscow, and Kharkov. Below the freezing point over Russia and Austria generally and also over Central England. Rising later to 60° or more in several parts of the United Kingdom, and reaching 64° at Loughborough, exceeding 65° in the west of France. Frost again experienced over Great Britain at night.

Wind light or moderate from the End over France, Spain, and the southern parts of England, and from the SEnd in Ireland, light from the SWnd in the north of Scotland, and from W. in Denmark and the south of Scandinavia. NWnd over the greater part of the Baltic Provinces, Germany, and Italy; light and variable in Russia. Moderate from the Snd in Algeria. No important change occurring during day.

Barometer highest 30.4 ins: and upwards over Holland, 30.1 ins: and upwards in an anticyclone covering all but the extreme northern and northeastern and the extreme southwestern parts of Europe. Lowest 29.7 ins: and less, in a depression lying off the northwest of Norway, 29.9 ins: and less, in another disturbance lying over Central Russia. Light fall of barometer taking place over Western Europe during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 24th March,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETR.		SHADE TEMP.		WIND.						SHADE TEMP.			
	Reading at 8 th P. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.		Reading at 8 th P. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).		Weather.	Max.	Min.	Amount of Rainfall.
	Ina.	°					Ina.	°	°	°									°	ina.
SCANDINAVIA.	Haparanda ...	29.68	26	2	0	bc	30.13	+52.	28	27	+3	nmw	6	b	4	bc	37	-14	-	-
	Hernösand ...	29.97	44	W	4	b	30.36	+48.	35	30	-8	nm	4	b	4	b	52	?	-	-
	Stockholm ...	30.01	40	2	0	b	30.32	+33.	37	32	-2	W	4	b	4	b	52	34	-	-
	Wisby ...	30.08	34	SW	4	b	30.26	+20.	36	34	0	NE	4	b	4	b	46	32	-	-
	Bodö ...	29.97	32	nmw	6	c	30.36	+76.	31	29	-6	nmw	4	c	2	c	39	28	-	-
	Christiansund...	30.25	37	W	3	b	30.47	+44.	36	36	-7	SE	1	m	4	b	43	36	0.08	-
	Skudesnaes ...	30.27	42	2	0	bc	30.30	+19.	38	38	0	2	0	f	2	bc	48	37	-	-
	Christiania Fjord (Farrier)	30.10	44	nmw	2	bc	30.44	+40.	35	32	+3	W	4	b	1	bc	41	?	-	-
	Skagen (The Scaw)	30.12	40	nmw	1	b	30.38	+31.	40	37	+1	NE	3	b	1	b	48	37	-	-
	Fanö ...	30.27	38	W	3	b	30.35	+14.	37	36	0	W	3	b	4	b	45	36	-	-
BRITISH ISLANDS.	Sumburgh Head	30.17	46	2	0	bc	30.31	+20.	41	41	-3	SSE	1	f	2	bc	52	39	-	-
	Stornoway ...	30.12	51	SW	3	b	30.22	+11.	48	46	+3	S	3	0	4	bc, b	53	42	-	-
	Wick ...	30.15	48	2	0	b	30.25	+10.	44	43	+9	S	2	bc	1	b	54	34	-	-
	Nairn ...	30.15	56	2	0	bc	30.26	+11.	40	39	+4	2	0	c	1	bc	62	31	-	-
	Aberdeen ...	30.21	44	E	1	b	30.31	+12.	38	36	-1	W	1	bmw	1	b	58	35	-	-
	Leith ...	30.20	51	W	1	c	30.31	+11.	34	33	-6	2	0	m	4	c	62	31	-	-
	Shields ...	30.21	52	2	0	c	30.34	+11.	44	41	+6	SW	2	bf	2	m, cf	57	36	-	-
	Spurn Head ...	30.24	45	SSE	3	bm	30.33	+06.	42	41	+8	nmw	1	bmw	1	bm	47	36	-	-
	York ...	30.24	58	S	1	b	30.35	+08.	32	32	-3	S	1	f	4	b	62	30	-	-
	Loughborough	30.26	60	S	1	b	30.37	+06.	32	31	+2	2	0	bm	4	b	67	29	-	-
GERMANY & HOLLAND.	Ardrossan ...	30.21	50	2	0	b	30.30	+11.	43	41	+2	NE	1	bm	1	b	57	37	-	-
	Malin Head ...	30.15	53	SSW	2	0	30.20	+09.	50	47	+1	SSE	4	bm	2	bc, o	58	46	-	-
	Mullaghmore ...	30.15	56	SSE	2	c	30.20	+09.	51	47	+1	SSE	2	bc	3	c	58	46	-	-
	Belmullet ...	30.13	51	SSE	2	0	30.16	+08.	48	46	0	SE	2	0	4	0	55	46	-	-
	Donaghadee ...	30.22	51	WSW	3	b	30.33	+12.	43	43	+1	SSW	3	f	1	b	56	41	-	-
	Liverpool (Bldston)	30.24	52	nmw	1	b	30.34	+10.	47	43	+4	SE	2	b	1	b	65	40	-	-
	Holyhead ...	30.23	52	SW	1	b	30.31	+11.	48	45	-1	2	0	bmw	0	b	59	40	-	-
	Parsonstown ...	30.19	56	SW	1	0	30.24	+09.	42	41	-2	SE	1	c	4	c, o	61	39	-	-
	Valencia ...	30.19	53	S	3	om	30.20	+06.	49	48	-2	SE	5	0	5	om	56	46	-	-
	Roche's Point	30.24	51	SSE	3	c	30.29	+11.	46	45	-2	S	3	0	3	cf	52	42	-	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.23	50	ESE	2	m	30.31	+10.	48	46	+2	E	3	bm	3	b, m	53	43	-	-
	Scilly ...	30.23	53	SE	1	ow	30.27	+09.	49	49	-1	ESE	3	m	3	om, f	58	46	-	-
	Prawle Point ...	30.27	49	EHE	1	b	30.32	+10.	50	46	0	EHE	1	bm	1	b	60	42	-	-
	Jersey (St. Aubin's)	30.23	60	EHE	1	bm	30.32	+10.	53	48	-1	E	2	bm	1	bm	65	40	-	-
	Hurst Castle ...	30.28	50	EHE	2	bm	30.35	+09.	47	45	+1	EHE	3	bmw	1	bm	57	39	-	-
	Dungeness ...	30.26	49	EHE	1	b	30.33	+07.	47	45	+1	EHE	1	b	1	b	56	41	-	-
	North Foreland	30.29	49	E	1	b	30.36	+08.	45	42	+1	NE	1	b	2	b	51	42	-	-
	London ...	30.28	55	SSE	2	bm	30.37	+07.	45	41	+7	SE	1	bmw	4	f, b, bmw	64	35	-	-
	Oxford ...	30.29	53	S	1	b	30.39	+09.	37	35	+6	S	1	bm	4	b	64	31	-	-
	Cambridge ...	30.26	53	SSW	1	b	30.36	+05.	36	35	-1	S	1	b	4	b	66	31	-	-
PENINSULA.	Yarmouth ...	30.28	45	SSE	1	b	30.35	+06.	46	43	+3	2	0	bm	2	b	47	40	-	-
	Cuxhaven ...	30.33	42	W	3	m	30.38	+07.	42	41	+1	nmw	2	m	4	m	48	41	-	-
	Berlin ...	30.21	49	2	0	b	30.24	+01.	41	39	+4	nmw	2	b	4	b	55	37	-	-
	Wiesbaden ...	30.31	41	2	0	b	30.38	+03.	38	36	+1	E	2	b	4	b	55	34	-	-
	Munich ...	30.31	41	2	0	b	30.34	+01.	36	35	+4	SW	2	b	4	b	50	32	-	-
	The Halder ...	30.37	44	EHE	1	b	30.44	+06.	37	37	0	SE	1	f	1	b	56	36	-	-
	Brussels (9 a.m.)	30.38	46	43	0	SE	30.38	+03.	46	43	0	SE	1	f	4	b	60	36	-	-
	Cape Gris Nez	30.27	50	EHE	2	m	30.29	+06.	45	43	-3	E	1	m	1	m	55	43	-	-
	Paris ...	30.26	56	E	2	b	30.33	+07.	38	36	0	NE	2	b	4	b	?	35	-	-
	Brest ...	30.23	57	nmw	1	b	30.28	+09.	47	43	+3	E	2	b	4	b	64	43	-	-
FRANCE AND BELGIUM.	Lorient ...	30.23	55	W	1	b	30.28	+09.	46	44	0	E	2	b	5	b	66	45	-	-
	Rochefort ...	30.23	57	nmw	3	b	30.23	+08.	47	46	+1	2	0	b	4	b	68	43	-	-
	Belfort ...	30.23	52	E	1	b	30.26	+00.	42	39	+7	NE	2	0	4	b	61	40	-	-
	Lyons ...	30.20	56	NE	1	b	30.26	+00.	42	39	+1	W	1	b	4	b	65	41	-	-
	Nice ...	30.21	50	SSW	2	b	30.19	+07.	48	42	-1	E	1	b	2	b	59	43	-	-
	Perpignan ...	30.18	57	W	2	b	30.24	+09.	51	49	-1	nmw	2	0	3	b	63	46	-	-
	Biarritz ...	30.18	57	W	2	b	30.24	+09.	51	49	-1	nmw	2	0	3	b	63	46	-	-
	Corunna ...	30.19	59	W	3	bc	30.22	+07.	56	53	-1	NE	4	b	4	b	68	54	-	-
	Lisbon ...	30.19	59	W	3	bc	30.22	+07.	56	53	-1	NE	4	b	4	b	68	54	-	-
	Lisbon ...	30.19	59	W	3	bc	30.22	+07.	56	53	-1	NE	4	b	4	b	68	54	-	-

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 24th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

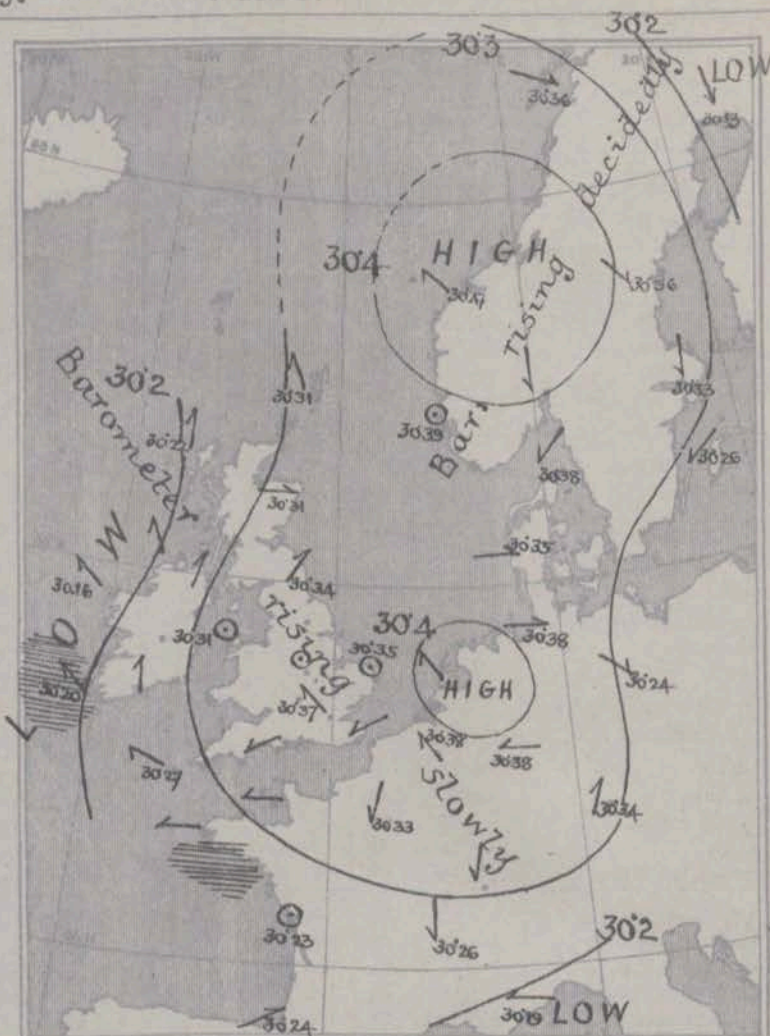
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.799
Nairn	29.810
Aberdeen	29.825
Leith	29.833
Shields	29.880
Spurn Head	29.890
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.881
Holyhead	29.902
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

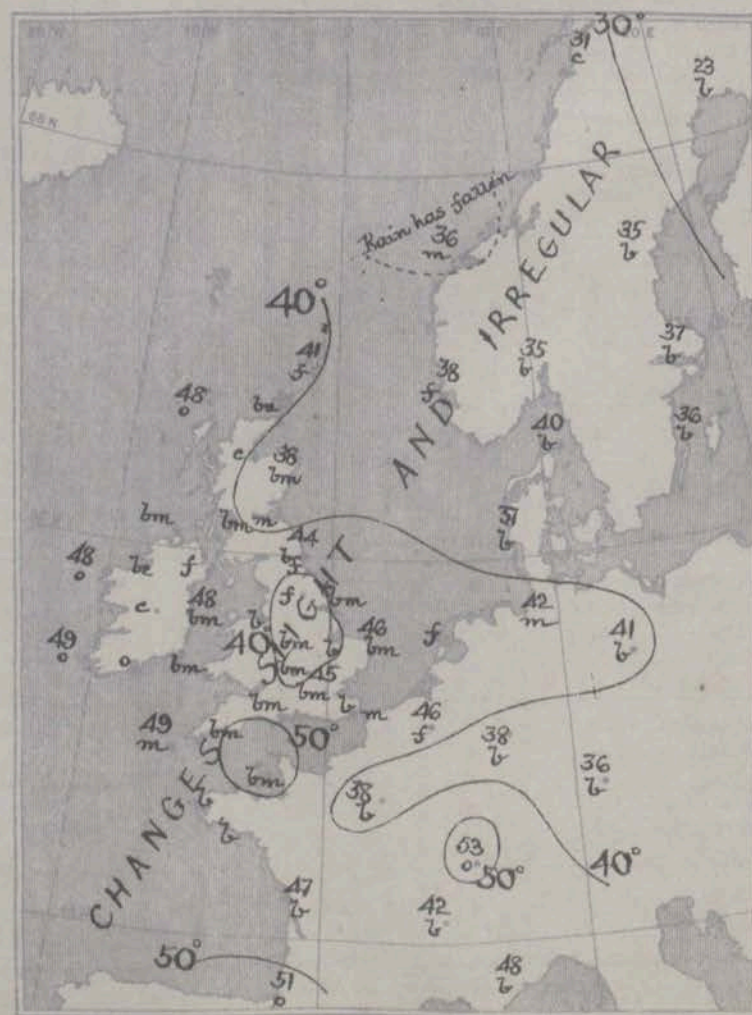
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.6	33.9	35.3	38.9	2.79
Stornoway	44.5	34.3	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	38.5	2.38
Leith	47.9	34.0	39.5	37.7	1.41
Shields	45.9	35.4	39.4	37.8	1.75
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	34.2	39.0	37.3	1.64
Ardrossan	46.3	35.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	39.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	35.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	49.5	42.3	46.6	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.3	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.6	38.9	37.4	1.59
Cambridge	50.2	33.0	38.9	37.3	1.40
Yarmouth	48.2	34.9	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and more in a large, but complex, anticyclone covering the whole of Western Europe, and having two maxima — one over Scandinavia, the other over the Netherlands.

Lowest, 30.2 ins. and less, off our extreme west and north-west coasts, and apparently over Eastern Germany also.

Gradients moderate in the west and north-west, slight elsewhere. Barometer rising except in the extreme west of Ireland, where a slight fall is in progress.

Highest, 56° at Linton, 53° at Jersey, 51° at Biarritz and Mullaghmore, 50° at Ponta Priet, 49° at Sally and Valencia.

Lowest, 28° at Hafnunda, 31° at Koda, 35° at Helsingfors, 32° at York and Loughborough, 36° at Cambridge.

TEMPERATURE

The maxima recorded yesterday were 67° at Loughborough, 66° at Cambridge, and 60° to 64° at many other of our stations; 68° at Rochefort.

The minima were very low — 31° in the shade at several northern and eastern stations. Sharp frost occurred on the grass.

WIND

Very light from N. in the east of France, from E. over the Channel and Bay of Biscay, moderate from S.E. and S. in Ireland and the west of Scotland, from W. and N.W. over Lapland, and from N. in Sweden.

Very light airs and calms prevail over England and the North Sea.

WEATHER

Bell on our extreme west and north-west coasts, fine generally elsewhere; fog and haze are prevalent over many parts of England and the North Sea.

SEA

Rather rough at Lorient and Valencia (Ireland), but with these exceptions was smooth or nearly so.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change of weather is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 25th March, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | S ^W breezes, moderate to light; fair. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Variable airs and Calms; fine, hazy. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | SE ^W airs and Calms; fine, hazy.
Mild during day, cold at night. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | S ^W breezes, light; fine. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E ^W and SE ^W breezes, light; fine. |
| 9 | IRELAND NORTH | SE ^W and S ^W breezes, light or moderate; fair generally. |
| 10 | IRELAND SOUTH | |

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.72	43	43	Z.	0	b	2	Valencia ...	30.18	54	53	SSE	4	om	4
Samburgh Head ...	30.16	49	46	W	1	bc	2	Scilly ...	30.20	57	54	SE	2	om	3
Stornoway ...	30.11	53	51	SW	3	bc	3	Jersey ...	30.25	58	50	E	2	b	2
Aberdeen ...	30.18	58	48	SE	1	b	1	Hurst Castle ...	30.27	55	49	E	2	m	1
Shields ...	30.21	56	50	NE	1	m	2	Dungeness ...	30.28	56	49	Z	0	b	0
Ardrossan ...	30.19	57	48	NE	1	bm	0	North Foreland ...	30.28	51	47	E	1	b	2
Malin Head ...	30.12	57	50	S	3	bc	2	London (W.minster)	30.27	63	52	ESE	2	bm	*
Mullaghmore ...	30.13	57	52	S	4	c	3	Yarmouth ...	30.29	47	45	SSE	2	b	2
Belmullet ...	30.13	52	50	SSE	3	o	*	Rochefort ...	30.19	67	60	E	0	b	*
Holyhead ...	30.23	57	50	SW	2	b	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine in nearly all parts of western and southern Europe, but with fog or haze in many parts of the United Kingdom. Dull in most parts of the northern, eastern, and central countries, with rain in the west of Norway, and with snow in Lapland, as well as at Lemberg and Hermannstadt. Fog clearing over our Islands later, and weather remaining fine and dry over the whole of Western Europe.

Temperature fallen in the north of our Islands, risen over Sweden, the Baltic, Eastern Germany, and Austria, changed irregularly elsewhere. Morning readings highest, 59° at La Côle, 58° at Barcelona, and 57° at Lisbon, Nîmes, and Algiers; reaching 50° or more in the extreme southwest of Ireland and over the western part of the English Channel. Lowest 3° at Kuopio, 13° at Moscow, 20° at Archangel, and 24° at St. Petersburg and Kien, below the freezing point at most of the Russian stations and also over Central England. Rising during day to 60° and upwards in many parts of our Islands and France, and reaching 67° at Loughborough. That occurring over Great Britain at night.

Wind light from the End or SEnd over the greater part of England, Ireland, and France, calm in the north of Scotland; light from the Wnd on our northeast coasts. SW^{ly} or W^{ly} in Scandinavia, strong to a gale in the west of Norway. Light from the Wnd or NWnd over Denmark, Germany, and Austria; variable in Russia; NE^{ly} in Spain and Italy. No important change occurring during day.

Barometer highest, 30.10 ins. to 30.35 ins. in an anticyclone covering all but the most northern parts of Europe. Lowest 29.6 ins. and less, in a depression moving eastwards across Lapland. No decided change occurring between

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 25th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.						SHADE TEMP.			
	Reading at 29° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.		Reading at 32° F. and Sea Level.	Change since Yesterday Morning.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.	
	Inch.	°					Inch.		°	°	°						°	°	Inch.	
SCANDINAVIA.	Haparanda ...	30.43	20	SW	2	b	30.54	+ .11	22	21	- 6	N	2	b	#	b	32	18		
	Hernösand ...	30.57	24	2	0	b	30.63	+ .27	19	18	- 16	2	0	bc	#	b	45	19		
	Stockholm ...	30.62	30	2	0	b	30.64	+ .31	20	20	- 8	2	0	b	#	b	41	28		
	Wisby ...	30.54	31	N	4	b	30.61	+ .35	33	28	- 5	NE	5	c	#	b	43	28		
	Bodö ...	30.54	33	WSW	4	0	30.54	+ .18	30	27	- 1	NE	2	b	#	0	34	27		
	Christiansund ...	30.53	39	SE	2	c	30.49	+ .02	40	36	+ 4	SE	3	0	3	c	41	36		
	Skudesnaes ...	30.54	43	WSW	2	b	30.54	+ .15	40	37	+ 2	ESE	2	c	2	c, b	49	38		
	Christiania Fjord (Fjorder)	30.54	37	W	2	b	30.58	+ .11	37	36	+ 2	SSE	2	c	1	b	41	35		
	Skagen (The Skaw)	30.54	38	NE	1	b	30.57	+ .19	37	36	- 3	2	0	0	0	b	43	34		
	Fanö ...	30.45	41	E	4	b	30.56	+ .21	36	35	- 1	ESE	2	b	#	b	59	36		
BRITISH ISLANDS.	Sumburgh Head	30.32	44	NE	1	0	30.34	+ .03	47	46	+ 6	2	0	b	1	0	47	38		
	Stornoway ...	30.26	52	S	3	c	30.32	+ .10	47	46	+ 0	2	0	0	3	0, c	52	34		
	Wick ...	30.32	49	2	0	bc	30.34	+ .09	41	40	- 3	2	0	b	0	bc	55	35		
	Nairn ...	30.29	50	2	0	c	30.36	+ .10	40	39	- 0	2	0	c	1	c	64	31		
	Aberdeen ...	30.35	52	S	2	bm	30.40	+ .09	43	40	+ 5	W	1	bmw	1	b, m	60	35		
	Leith ...	30.34	50	E	1	b	30.40	+ .09	36	35	+ 2	2	0	m	#	b	60	32		
	Shields ...	30.36	51	SE	2	m	30.43	+ .09	46	43	+ 2	SW	1	f	2	f, b, m, f	57	38		
	Spurn Head ...	30.37	45	ESE	2	bm	30.43	+ .10	43	42	+ 1	N	1	bmw	0	bm	51	38		
	York ...	30.36	60	SSE	1	b	30.47	+ .12	32	32	- 0	SSE	1	b	#	b	64	28		
	Loughborough	30.37	61	ESE	1	b	30.47	+ .10	33	31	+ 1	2	0	bm	#	b	69	27		
GERMANY & HOLLAND.	Ardrossan ...	30.34	54	2	0	bm	30.41	+ .11	46	43	+ 3	NE	1	bm	0	bm	62	39		
	Malin Head ...	30.23	57	SSE	2	bc	30.35	+ .15	49	46	- 1	S	2	0	1	c, bc	61	48		
	Mullaghmore ...	30.20	58	SSE	5	bm	30.37	+ .17	49	48	- 2	WSW	2	0	2	c, bcm	59	48		
	Belmullet ...	30.18	55	SSE	2	0	30.37	+ .21	50	48	+ 2	SSE	3	bc	#	0	55	46		
	Donaghadee ...	30.33	47	S	3	b	30.42	+ .09	42	42	- 1	WSW	3	m	1	b	54	41		
	Liverpool (Bidston)	30.36	58	SE	2	b	30.44	+ .10	45	41	- 2	SE	2	m	1	b	64	41		
	Holyhead ...	30.34	51	2	0	b	30.42	+ .11	49	46	+ 1	2	0	bmw	0	b	62	41		
	Parsonstown ...	30.26	54	SE	1	c	30.41	+ .17	43	42	+ 1	2	0	b	#	b, c	61	41		
	Valencia ...	30.25	51	SSE	4	bm	30.38	+ .18	51	51	+ 2	2	0	f	1	omg, m	54	48	0.25	
	Roche's Point	30.33	47	SSE	4	om	30.40	+ .11	48	47	+ 2	SE	3	0	3	0, omf	50	45		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.34	51	E	2	b	30.40	+ .09	46	44	- 2	E	2	bm	2	b	53	43		
	Scilly ...	30.31	51	SE	3	c	30.34	+ .17	50	49	+ 1	ESE	3	cw	3	0, c	56	47		
	Prawle Point ...	30.36	50	ESE	1	b	30.40	+ .08	50	47	+ 0	ESE	3	bm	2	bm	62	43		
	Jersey (St. Aubin's)	30.32	60	E	3	bm	30.39	+ .07	54	45	+ 1	NE	1	bm	1	bm	64	45		
	Hurst Castle ...	30.36	50	ESE	1	bm	30.43	+ .08	42	40	- 5	ESE	3	bm	1	b, bm	61	39		
	Dungeness ...	30.36	47	ESE	3	b	30.41	+ .08	49	47	+ 2	ESE	3	m	2	b	53	43		
	North Foreland	30.40	46	ESE	1	b	30.45	+ .09	47	45	+ 2	ESE	1	bw	0	b	50	43		
	London ...	30.38	54	ESE	2	bm	30.46	+ .09	42	38	- 3	2	0	f	#	b, bmw	64	35		
	Oxford ...	30.41	52	E	1	b	30.47	+ .08	39	38	+ 2	NE	1	bm	#	b	65	30		
	Cambridge ...	30.40	57	ESE	1	b	30.48	+ .12	36	35	- 0	SSW	1	b	#	b	69	30		
PENINSULA.	Yarmouth ...	30.40	47	SSE	1	b	30.44	+ .09	46	43	- 0	2	0	bm	1	b	50	37		
	Oxshaven ...	30.41	41	NE	4	b	30.57	+ .19	39	37	- 3	E	4	b	#	b	46	37		
	Berlin ...	30.34	44	NE	3	b	30.49	+ .25	32	31	- 9	NE	3	b	#	b	57	30		
	Wiesbaden ...	30.38	42	W	4	0	30.38	00	42	40	+ 4	N	1	b	#	#	63	36		
	Munich ...	30.32	47	SW	2	0	30.32	- .02	40	38	+ 4	NE	2	0	#	0	54	36		
	The Helder ...	30.49	45	NE	1	b	30.53	+ .09	41	40	+ 4	NE	1	f	1	b	48	37		
	Brussels (0 a.m.)	30.31	50	E	2	m	30.44	+ .06	43	41	- 3	NE	1	b	#	b	62	36		
	Cape Gris Nez	30.32	59	NE	2	b	30.38	+ .05	47	45	+ 2	E	2	b	1	m	52	45		
	Brest ...	30.32	53	NE	2	b	30.38	?	41	40	+ 3	N	2	b	#	b	67	38		
	Lorient ...	30.30	53	W	4	bc	30.32	+ .04	47	43	+ 1	E	3	b	4	b	61	41		
PENINSULA.	Rochefort ...	30.22	56	NE	3	b	30.22	- .01	45	42	- 2	NE	3	b	#	b	64	41		
	Belfort ...	30.18	65	NE	3	b	30.24	- .02	42	38	- 0	NE	2	b	#	b	72	30		
	Lyons ...	30.18	58	NE	3	b	30.24	- .02	42	38	- 0	NE	2	b	#	b	72	30		
	Nice ...	30.17	50	W	2	b	30.15	- .04	50	44	+ 2	2	0	b	#	b	57	45		
	Perpignan ...	30.24	53	W	3	0	30.21	- .03	51	49	- 0	W	3	0	3	0	57	48		
	Biarritz ...	30.24	53	W	3	0	30.21	- .03	51	49	- 0	W	3	0	3	0	57	48		
	Corunna ...	30.17	61	NE	4	b	30.12	- .10	58	54	+ 2	NNE	2	b	#	b	68	54		
	Lisbon ...	30.17	61	NE	4	b	30.12	- .10	58	54	+ 2	NNE	2	b	#	b	68	54		

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

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for 8 a.m. on Saturday, 25th March 1893.

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EXPLANATION OF MAP

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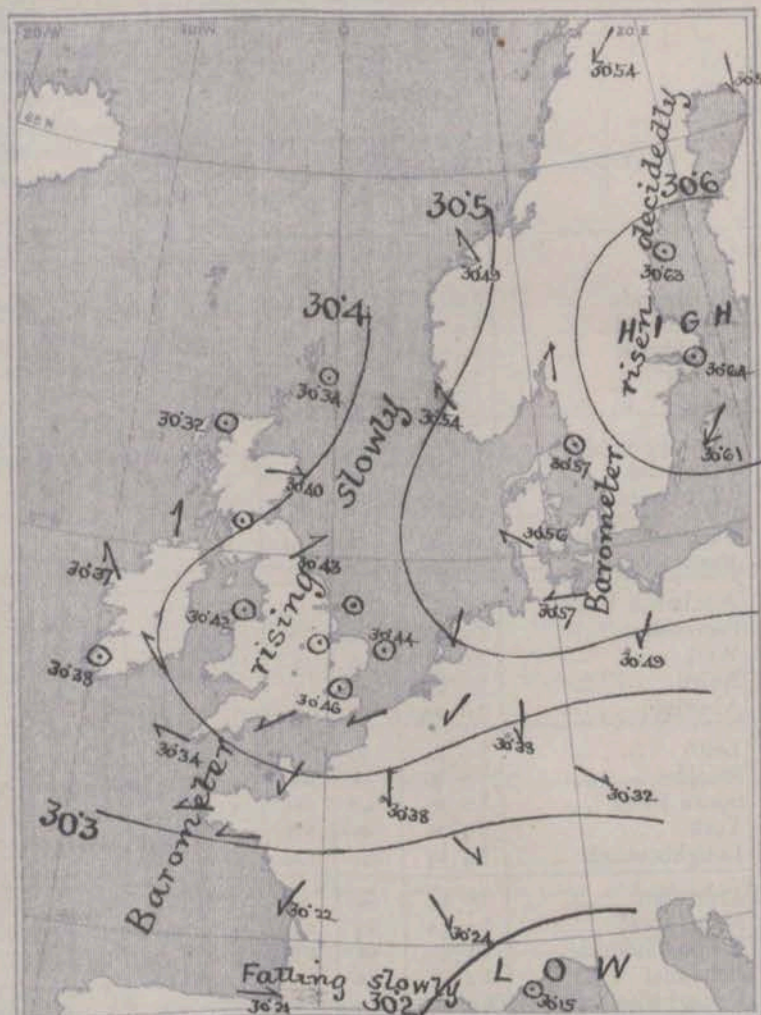
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.895
York	29.908
Loughborough	29.932
Ardrossan	29.895
Mullaghmore	29.872
Dunaghadoo	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Rocha's Point	29.927
Pembroke	29.929
Silly	29.947
Prawle Point	29.965
Jersey	29.991
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.911
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

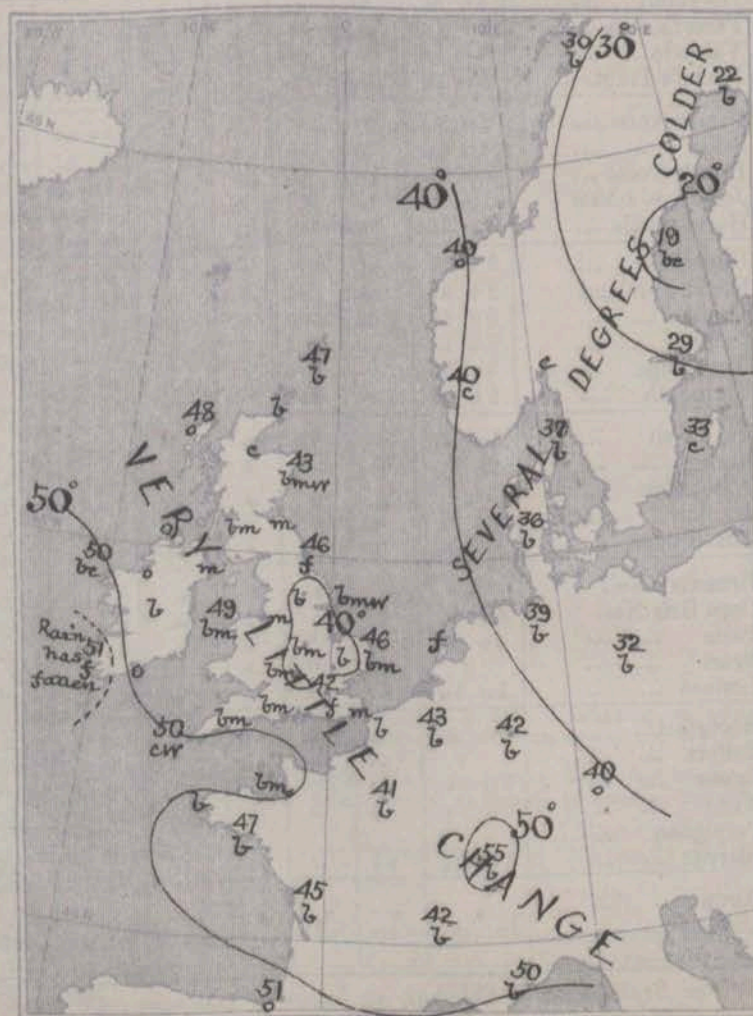
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 A.M.	At 8 A.M.	
Sumburgh Head	42.6	33.9	38.3	36.9	2.79
Stornoway	44.0	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.0	33.9	38.0	36.2	1.08
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.0	34.0	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.76
Loughborough	49.5	34.2	39.0	37.3	1.04
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Dunaghadoo	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	41.9	42.8	4.20
Rocha's Point	49.7	39.6	43.3	41.8	3.71
Pembroke	48.6	39.1	42.1	40.3	2.40
Silly	49.5	42.5	46.0	44.2	2.40
Prawle Point	48.1	37.7	42.0	41.2	1.95
Jersey	43.5	39.9	44.0	43.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	53.0	35.4	40.1	38.2	1.19
Oxford	49.8	34.5	38.9	37.4	1.50
Cambridge	50.2	39.0	38.9	37.9	1.40
Yarmouth	48.2	34.9	40.2	38.6	1.82

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in: and more to 30.5 in: over Scandinavia, the Baltic, and the eastern shores of the North Sea.

Lowest, about 30.3 in: in the Hebrides, and rather below 30.2 in: over the Riviera.

Gradients slight. Barometer still rising except in the far south.

TEMPERATURE

Highest, 58° at Leith, 54° at Jersey, 51° at Biarritz and Valencia, 50° at Harve Point and Belmullet.

Lowest, 19° at Hornsund, 22° at Haparanda, 28° at Stockholm, 32° at Balni and at York.

The maxima recorded yesterday varied from 60° to 65° in many parts of our Islands, but the night was again cold and frosty.

The diurnal range has therefore been very large—no less than 42° at Loughborough, and 39° at Cambridge.

WIND

Light from N. and N.W. over the eastern parts of France, from E. over the Channel and Bay of Biscay, from the S.W. in Ireland; calm in Scotland, very light and variable over England.

WEATHER

Very fine generally, but some fog or haze prevalent at many of the British and Channel stations.

Valencia (Ireland) is the only one of our stations reporting rainfall; this occurred last evening amounted to a quarter of an inch.

SEA

Smooth or nearly so on all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no indications of unsettled weather.

FORECASTS

For the 24 hours ending at NOON on 26th March 1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

Calm and Varying airs;
fine generally.

Calm and Varying airs; fine
generally. Cold and hazy at night

E^{ly} breezes, light; fine. Cold at night.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH



SE^{ly} airs; fine generally.

Same as N.E.

SE^{ly} and Varying breezes, light, fine.

WARNINGS

NONE ISSUED

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.50	49	49	WSW	2	c	2	Valencia ...	30.21	53	51	SE	6	o g m	6
Sumburgh Head ...	30.83	44	44	SSE	2	o	2	Scilly ...	30.29	56	53	E	4	o	4
Stornoway ...	30.26	52	51	S	3	o	3	Jersey ...	30.35	59	51	ESE	2	b	2
Aberdeen ...	30.52	59	49	S	2	b	1	Hurst Castle ...	30.38	58	50	EHE	2	b	1
Shields ...	30.35	55	50	E	2	bm	2	Dungeness ...	30.38	52	48	EHE	3	b	2
Ardrossan ...	30.31	62	55	2	o	b	o	North Foreland ...	30.39	50	49	EHE	1	b	2
Malin Head ...	30.19	61	52	SSE	4	c	2	London (Westminster) ...	30.38	62	52	ESE	2	bm	2
Mullaghmore ...	30.21	58	49	SE	5	c	3	Yarmouth ...	30.39	50	45	SSE	1	b	2
Belmullet ...	30.16	55	50	SE	3	o	1	Rochefort ...	30.23	60	56	rtw	3	b	2
Holyhead ...	30.34	60	51	SSW	2	b	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine and dry over the greater part of our Islands and the Continent, but dull in the west of Ireland, hazy in many parts of Great Britain, and foggy in the north of England, as well as over the Netherlands, the south of Norway, and the southern shore of the Baltic. Cloudy or overcast over the central and southern parts of Russia, as well as in Algeria and the south of Spain, with rain at Nemours and Oron. Rain falling later at Valencia (Ireland) but weather remaining fine in all other parts of Western Europe.

Temperatures risen in Russia, but changed slightly and irregularly elsewhere. Morning readings highest 59° at La Cote, 57° at Algiers, and 56° at Lubeck and Oron, reaching 50° or more over the western parts of the English Channel. Lowest 19° at Hammarstadt, 22° at Moscow, 25° at Lemberg, and 27° at Archangel and Kharlov; below the freezing point at most of the Russian stations, and equal to it at York and Loughborough. Rising during day to 60° and upwards in many parts of the United Kingdom and France, reaching 69° at Loughborough and Cambridge, and 72° at Belfast. Frost occurring over Great Britain at night.

Wind light from the E. over the south of England and the north of France, from the SE. in Ireland, and from the S. in the north of Scotland; variable in the east of England and also on the eastern shore of the North Sea. N. or NW. in Finland and Sweden, as well as at many of the Russian, German and Italian stations. Variable over the southern parts of France, NE. in Spain and Algeria. No important change occurring during day.

Barometer highest 30.4 in. and upwards over Scandinavia and also over the Netherlands, 30.1 in. and upwards over Europe generally, but as low as (1) 29.8 in. and less, in a depression lying in the neighbourhood of the White Sea and (2) 30.0 in. and less, in another system over the south of Russia. General rise of barometer taking place during day and readings exceeding 30.5 in. over Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 26th March

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		PAROMETER.		SHADE TEMP.		WIND.						SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dew Pt.	Force (0 to 12).	Weather.		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).		Weather.	Max.	Min.	Amount of Rainfall.
	Ina.	°					Ina.	°	°	°								°		ins.
SCANDINAVIA.																				
Haparanda ...	30.13	19	SW	2	b		30.36	-13	9	8	-13	SW	2	c	†		b	34	9	—
Hernösand ...	30.63	18	Z	0	b		30.60	-03	19	18	0	Z	0	b	†		b	29	10	—
Stockholm ...	30.54	29	Z	0	c		30.61	-03	30	28	+1	Z	0	b	†		b	43	23	—
Wisby ...	30.60	27	NE	4	b		30.57	-02	30	27	-3	SE	4	b	†		b	36	25	—
Bodö ...	30.45	31	ENE	2	b		30.40	-04	33	30	+3	E	2	s	1		b	34	27	—
Christiansund ...	30.45	40	SE	2	r		30.47	-02	41	39	+1	S	2	c	3		o	43	39	0.16
Skudesnaes ...	30.43	42	SSE	4	o		30.36	-07	38	38	-	NNW	2	o	2		co	46	36	—
Christiania Fjord (Fjord)	30.49	37	Z	0	r		30.45	-04	35	35	-	NE	3	o	1		r	39	35	—
Skagen (The Scaw)	30.45	35	Z	0	o		30.44	-01	35	34	-1	SW	2	s	1		o	43	34	?
Fanö ...	30.52	37	SW	2	b		30.45	-07	34	33	-1	SW	2	bc	†		b	52	32	—
BRITISH ISLANDS.																				
Sumburgh Head	30.34	30	Z	0	c		30.37	+03	40	40	-	NE	1	cfw	1		c	57	35	0.01
Stornoway ...	30.34	49	W	4	c		30.35	+03	45	44	-1	Z	0	b	3		bc	53	35	—
Wick ...	30.37	50	NNW	1	o		30.38	+04	43	42	+1	NNW	1	b	0		o	60	37	—
Nairn ...	30.33	58	W	1	c		30.36	00	44	43	+1	Z	0	o	1		c	64	38	0.06
Aberdeen ...	30.33	59	SW	2	bc		30.35	-05	48	45	+3	NNW	3	b	2		mfc	64	41	—
Leith ...	30.37	53	W	1	c		30.33	-04	40	39	+1	ENE	1	b	†		c	65	32	—
Shields ...	30.37	55	SE	2	b		30.31	-06	40	39	-1	WNW	1	m	2		b,f	63	36	—
Spurn Head ...	30.39	44	SSE	2	bm		30.31	-08	42	42	-	SSE	1	cmw	1		b	54	38	—
York ...	30.39	60	SE	1	b		30.32	-07	37	36	+1	SE	1	f	†		b	68	33	—
Loughborough	30.40	63	S	1	b		30.34	-06	36	35	+1	Z	0	cm	†		b	69	27	—
GERMANY & HOLLAND.																				
Ardrossan ...	30.38	52	Z	0	bm		30.32	-06	45	43	-2	NNE	1	cm	1		bm	61	42	—
Malin Head ...	30.38	49	SE	1	o		30.33	-05	46	45	-1	NNE	2	o	1		o	52	45	—
Mullaghmore ...	30.37	52	Z	0	c		30.32	-05	48	46	-2	N	1	cm	1		age	53	44	—
Belmullet ...	30.39	51	NNW	3	bc		30.34	-05	48	47	-1	NNE	2	b	†		bc	57	42	—
Donaghadee ...	30.38	50	SW	3	b		30.32	-06	46	46	+0	N	2	bc	0		b	53	39	—
FRANCE AND BELGIUM.																				
Liverpool (Blanton)	30.40	49	W	1	b		30.31	-09	42	39	-3	ESE	1	c	1		b	63	40	—
Holyhead ...	30.40	49	Z	0	b		30.36	-04	45	44	-1	Z	0	cm	0		b	61	43	—
Parsonstown ...	30.35	62	Z	0	bc		30.31	-04	44	43	+1	Z	0	cm	†		bc	65	40	—
Valencia ...	30.38	51	Z	0	cm		30.32	-06	50	50	-	Z	0	f	0		m,cm	54	48	0.01
Roche's Point	30.42	47	SSE	1	bc		30.31	-09	44	44	-	N	2	f	3		bc,f	51	40	—
GERMANY & HOLLAND.																				
Pembroke (St. Ann's Hd.)	30.38	52	E	2	b		30.29	-09	45	44	-1	NE	1	cm	1		b	57	42	—
Scilly ...	30.35	53	ENE	3	c		30.25	-10	51	48	+3	ENE	3	b	2		cm	55	47	—
Prawle Point ...	30.37	51	ENE	2	b		30.27	-10	51	47	+4	ENE	3	bm	1		bm	58	43	—
Jersey (St. Aubin's)	30.33	59	ENE	3	bm		30.25	-08	50	47	+3	NE	3	bm	3		bm	64	44	—
Hurst Castle ...	30.38	50	E	3	bm		30.28	-10	41	39	-2	ENE	2	mm	1		bm	60	38	—
FRANCE AND BELGIUM.																				
Dungeness ...	30.36	48	E	3	b		30.26	-10	43	42	-1	ENE	1	b	1		b	53	34	—
North Foreland	30.37	44	NE	1	b		30.28	-09	46	44	-2	E	2	cm	3		b	49	40	—
London ...	30.40	53	E	2	bm		30.32	-08	43	39	+4	E	1	bm	†		bm	63	30	—
Oxford ...	30.40	48	ENE	1	b		30.33	-07	29	37	-8	ENE	1	b	†		b	65	30	—
Cambridge ...	30.39	57	ENE	1	b		30.34	-05	33	32	-1	WNW	1	o	†		b	66	29	—
Yarmouth ...	30.41	46	ENE	2	b		30.32	-09	44	42	-2	E	1	bw	2		bc	48	40	—
GERMANY & HOLLAND.																				
Cuxhaven ...	30.57	41	E	3	b		30.45	-12	35	33	-2	ESE	3	b	†		b	44	33	—
Berlin ...	30.48	38	NE	4	b		30.44	-04	31	30	-1	NE	3	b	†		b	45	28	—
Wiesbaden ...	30.39	36	NE	4	b		30.34	-05	41	36	-5	NE	3	b	†		b	55	37	—
Munich ...	30.33	36	NE	4	b		30.26	-07	24	28	-4	E	3	b	†		b	48	27	—
The Helder ...	30.49	45	E	1	b		30.39	-10	41	39	-2	E	4	bc	1		b	46	39	—
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)	30.22	45	ENE	3	b		30.31	-09	41	39	-2	WSW	1	bc	†		b	58	34	—
Cape Gris Nez	30.28	58	NE	3	b		30.24	-04	40	37	-3	E	1	bc	1		b	54	37	—
Paris ...	30.28	62	NE	2	b		30.25	-03	39	36	-3	NNE	2	b	†		b	66	36	—
Brest ...	30.26	61	Z	0	b		30.19	-07	47	43	+4	NE	4	b	2		b	72	41	—
Lorient ...	30.26	61	Z	0	b		30.19	-07	47	43	+4	NE	4	b	2		b	70	45	—
FRANCE AND BELGIUM.																				
Rocheport ...	30.14	62	ENE	4	b		30.05	-09	44	42	-2	E	3	b	†		b	72	41	—
Belfort ...	?	53	ENE	2	bc		?	?	37	34	-3	E	3	b	†		bc	60	35	—
Lyons ...	30.08	53	S	1	bc		30.08	-07	50	43	-7	E	2	bc	0		b	63	43	—
Nice ...	30.10	56	ESE	1	b		30.05	-05	45	40	-5	SW	1	b	†		b	68	41	—
Perpignan ...	30.12	55	W	2	b		30.04	-08	49	46	-3	S	2	o	2		b	59	45	—
Biarritz ...	30.12	55	W	2	b		30.04	-08	49	46	-3	S	2	o	2		b	59	45	—
PENINSULA.																				
Oorunna ...	29.98	61	NNW	3	b		29.94	-04	58	52	-6	SE	3	b	2		b	64	41	—
Lisbon ...	29.98	61	NNW	3	b		29.89	-09	54	51	-3	NE	4	b	†		b	72	52	—

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Sunday, 26th March 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

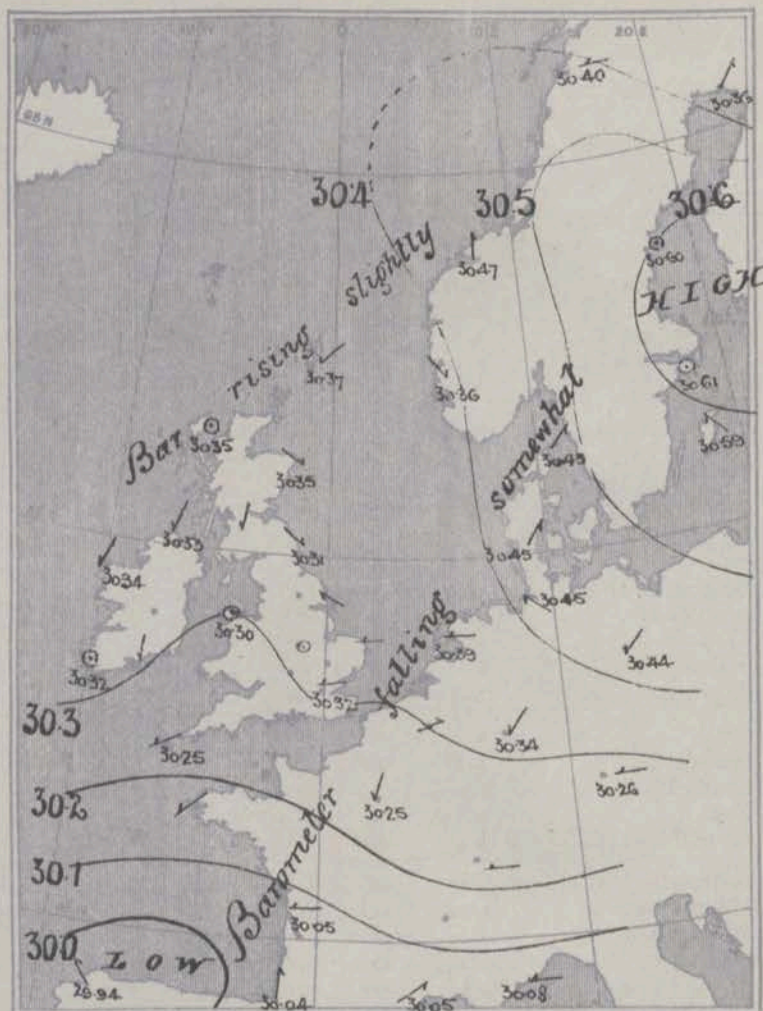
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.934
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

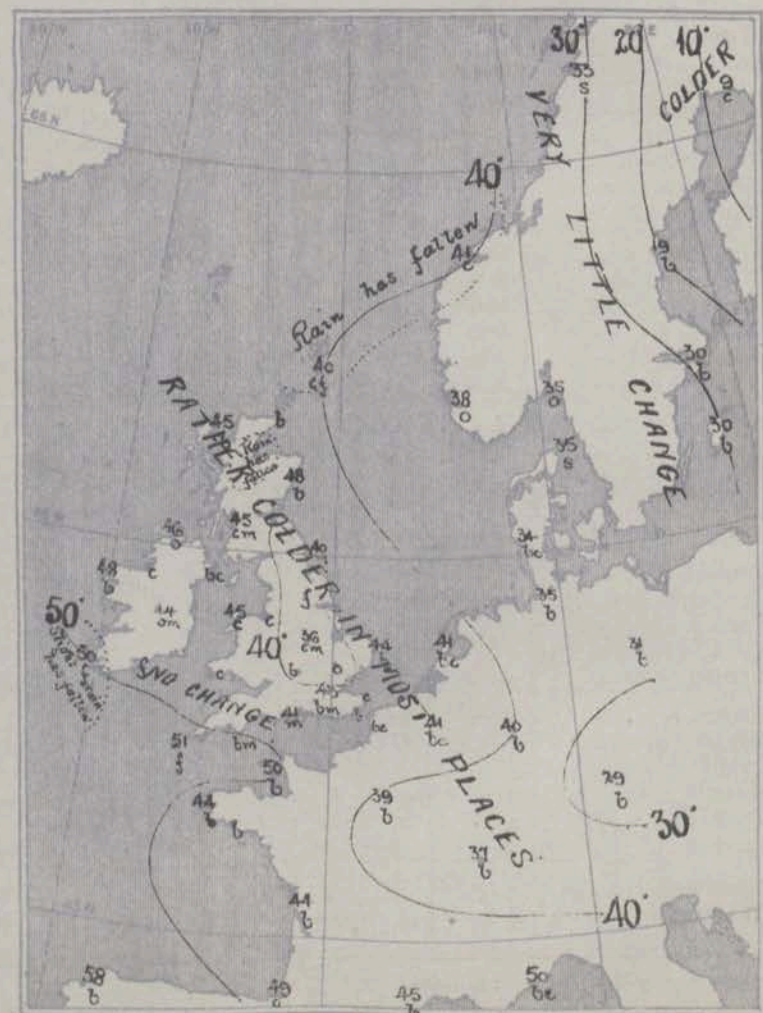
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, * AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	33.9	38.3	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	46.4	34.4	38.6	36.5	2.33
Leith	47.9	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.64
Ardrossan	46.9	36.3	40.1	38.5	2.44
Mullaghmore	47.9	35.4	41.0	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Scilly	49.5	42.5	45.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.5	38.9	37.4	1.69
Cambridge	50.2	33.0	38.9	37.5	1.40
Yarmouth	45.2	34.0	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 in: and more to 30.3 in: in a large anticyclone over Scandinavia, the Baltic, Germany, and the North Sea; and exceeding 30.3 in: over Ireland, and the Atlantic, and over the Spanish Peninsula. Shallow local irregularities forming over St. George's Channel and the home coast of England. Gradients moderate over the Bay of Biscay, slight elsewhere. Barometer rising a little in the north of Scotland, falling unsteadily elsewhere - most over Spain and Portugal.

TEMPERATURE

Highest 58° at Fiume, 54° at Lisbon, 51° at Brest, 49° at Lally, 50° at Jersey and Valencia, and 45° at Tromsø. Lowest, 9° at Havana, 19° at Marseilles, 30° at Stockholm; 29° at Munich, 31° at Berlin; 33° at Cambridge, 36° at Oxford and York. Highest maxima over our Islands yesterday ranged between 60° and 63°, and at Loughborough the daily range again amounted to 41°.

WIND

Very variable in direction and light in force in Scandinavia, the North Sea, and the northern parts of Great Britain; E³ in the Channel, N³ in Ireland, NE¹ to SE³ over the Bay of Biscay, Spain, and Portugal.

WEATHER

Still fine and dry over all the southern half of our area, but hazy or foggy in places. Sea fair in the north, with dense wet fog at Loughborough, and snow at Boro, the Low, and Copenhagen. Light rainfalls is reported at some northern stations.

SEA

Light to very smooth on all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 27th March 1893.

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

None issued

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

WARNINGS

FORECASTS.

None issued

None issued

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudeanaes ...	30.50	46	42	SSE	1	c	2	Valencia ...	30.38	53	52	7	0	rm	1
Sumburgh Head ...	30.34	55	49	WNW	1	c	1	Scilly ...	30.36	55	52	E	4	cm	3
Stornoway ...	30.34	53	52	SW	3	bc	2	Jersey ...	30.37	62	52	ENE	3	b	3
Aberdeen ...	30.36	63	51	S	3	bm	1	Hurst Castle ...	30.41	56	51	ENE	2	bm	1
Shields ...	30.39	63	55	SE	3	bm	2	Dungeness ...	30.39	56	45	ESE	4	bc	3
Ardrossan ...	30.40	61	55	WSW	1	b	0	North Foreland ...	30.42	49	47	NE	1	b	2
Malin Head ...	30.40	51	48	ENE	1	0	1	London ...	30.42	61	50	E	2	b	*
Mullaghmore ...	30.40	51	49	NNW	1	cg	1	Yarmouth ...	30.45	48	46	ENE	2	b	1
Belmullet ...	30.40	50	51	S	1	bc	*	Rocheport ...	30.20	69	57	ENE	4	b	*
Holyhead ...	30.42	57	51	NNW	1	b	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine over the greater part of western, northern and southern Europe, but with haze or fog at several of our own stations. (Dull in the eastern and central countries, with snow at Lemberg and Kiev and also at Archangel. Light rain falling later at one or two of the Scotch stations, but weather remaining fine and dry in nearly all other parts of Europe.

Temperatures fallen several degrees over Sweden and Northern Russia, but changed irregularly elsewhere. Morning readings highest 63° at Barcelona, 60° at Algiers, and 58° at Messina and Lisbon; above 50° at several of the Mediterranean stations and also on the extreme southwest coasts of our Islands. Lowest 13° at Uleaborg, 18° at Krasnojarsk, 19° at Helsingfors, 21° at Archangel, and 22° at Haparanda; below the freezing point over Sweden and Russia generally and very little above it over Central England. Rising during day to 65° or more over the inland parts of England, and reaching 69° at Loughborough; exceeding 70° in the east of France, but remaining below it in Spain and below 65° in Italy. Frost again occurring over Central England at night.

Wind light & moderate from the NEnd over the greater part of central and southern Europe, from the End over the English Channel and Bay of Biscay, and from the SEnd in Ireland. Calm or light and variable over the northern, eastern, and central parts of Great Britain, light from the SEnd on the eastern shores of the North Sea; calm in Sweden. Nnd or NWnd over Northern Russia. No important change occurring during day, but wind becoming variable in Italy.

Barometer highest 30.6 ins: and upwards over the southern parts of Sweden, 30.1 ins: and upwards, in an anticyclone covering nearly the whole of Europe and the Mediterranean. Lowest 29.9 ins: and less, in a shallow depression moving eastwards across northern Russia. Light fall of barometer occurring in most places during day, but general distribution of pressure remaining unchanged. Depression over northern Russia becoming somewhat deeper towards evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 27th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.					
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.	Min.	Amount of Rainfall.						
Ina.	°			Ina.	°	°	°	°							Ina.					
SCANDINAVIA.	Haparanda ...	30.06	26	W	2	0	29.71	-65	39	?	+30	W	4	C	?	0	2	-4	-	
	Hernösand ...	30.32	36	2	0	6	30.12	-48	43	39	+24	W	4	C	?	6	46	10	-	
	Stockholm ...	30.47	28	2	0	6	30.27	-34	33	30	+3	WSW	4	C	?	6	39	23	-	
	Wisby ...	30.53	27	N	4	6	30.37	-22	32	?	+2	WNW	6	C	?	6	34	23	-	
	Bodö ...	30.14	40	SW	8	1	29.96	-44	39	38	+6	SW	6	?	3	1	41	30	0.55	
	Christiansund...	30.38	41	NNE	2	5	30.39	-08	41	39	+1	WSW	7	f	4	f	46	34	-	
	Skudesnaes ...	30.48	41	W	1	0	30.50	+14	40	38	+2	NW	2	0	1	f	46	34	-	
	Christiania Fjord (Færdor)	30.52	36	2	0	0	30.43	-01	35	35	0	W	4	6	2	0	37	34	-	
	Skagen (The Seaw)	30.50	33	2	0	6	30.50	+06	35	32	0	2	0	6	0	6	37	30	?	
	Fanö ...	30.41	33	SSE	4	c	30.45	-00	33	32	-1	SE	4	6	?	c	46	?	-	
BRITISH ISLANDS.	Sumburgh Head	30.37	44	NE	2	f	30.43	+06	40	38	0	SSE	2	0	2	f	45	39	-	
	Stornoway ...	30.33	44	NE	4	m	30.33	-02	43	42	-2	SE	4	bc	4	f	51	35	-	
	Wick ...	30.36	42	E	2	f	30.37	-01	41	40	-2	S	2	0	0	f	51	40	-	
	Nairn ...	30.35	45	ENE	1	b	30.34	-02	40	39	-4	ENE	2	0	1	f	54	38	-	
	Aberdeen ...	30.35	41	ENE	2	f	30.56	+01	41	40	-7	E	5	ogf	5	f	55	40	-	
	Leith ...	30.27	45	E	2	b	30.25	-08	41	40	+1	NE	3	r m	?	b	52	37	0.02	
	Shields ...	30.23	48	N	2	m	30.22	-09	41	40	+1	NE	2	0	3	m f d	50	37	0.02	
	Spurn Head ...	30.19	43	ESE	3	b c v	30.16	-15	42	42	0	E	4	o v w	3	b c v	47	38	-	
	York ...	30.21	55	NE	1	b	30.20	-12	45	40	+8	ENE	1	c	?	?	60	36	-	
	Loughborough	30.21	54	SE	1	bc	30.18	-16	37	37	+1	NE	2	ogf	?	bc	58	28	-	
GERMANY & HOLLAND.	Ardrossan ...	30.22	52	NE	3	b m	30.24	-08	42	40	-3	NE	2	o m	1	b m	60	39	-	
	Malin Head ...	30.26	46	N	1	b	30.21	-12	44	42	-2	SE	5	b m	1	o, r, b	48	42	-	
	Mullaghmore ...	30.23	49	N	4	c	30.17	-15	43	41	-5	NNE	5	m w	3	c	52	41	-	
	Belmullet ...	30.30	50	NNE	3	bc	30.15	-19	47	45	-1	ENE	3	bc	?	bc	53	44	-	
	Donaghadee ...	30.21	49	NNE	3	bc	30.23	-09	43	41	-3	ENE	5	c	3	bc	54	40	-	
	Liverpool (Bilston)	30.19	46	WNW	1	b	30.17	-14	42	40	0	ENE	3	m	1	b	58	40	-	
	Holyhead ...	30.21	49	WNW	1	b	30.11	-19	42	42	-3	ENE	4	o m w	3	o, b	58	42	-	
	Parsonstown ...	30.19	56	2	0	c	30.12	-19	41	40	-3	SE	1	o m	?	c	58	36	-	
	Valencia ...	30.21	57	E	1	o m	30.10	-22	47	46	-3	2	0	b m	1	o m	58	41	-	
	Roche's Point	30.21	51	SSE	1	c	30.10	-21	45	44	+1	WNW	1	b f	2	cf	55	40	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.18	52	N	2	c	30.08	-21	44	42	-1	NE	2	g m	1	c	54	42	-	
	Scilly ...	30.17	53	ENE	3	c	30.03	-22	48	47	-3	ENE	2	g m	2	c	57	47	-	
	Prawle Point ...	30.16	48	ENE	1	bc	30.04	-23	46	44	-5	NE	3	b c m	2	bc	57	42	-	
	Jersey (St. Aubin's)	30.15	54	NNE	3	b c m	30.02	-23	48	46	-2	ENE	3	b m	3	b c m	58	44	-	
	Hurst Castle ...	30.17	49	WNW	1	c	30.08	-20	40	38	-1	ENE	2	b c m	2	c	56	38	-	
	Dungeness ...	30.14	46	ENE	3	b	30.06	-20	46	44	+3	ENE	3	m	2	b	52	42	-	
	North Foreland	30.17	44	ENE	1	c	30.09	-19	46	44	0	E	2	b	3	c	48	41	-	
	London ...	30.18	51	SE	2	bc	30.12	-20	41	39	-2	ENE	1	m	?	b c, o b m w	58	35	-	
	Oxford ...	30.17	48	NE	1	o	30.14	-19	36	34	-3	NE	2	b	?	o	60	32	-	
	Cambridge ...	30.19	51	NE	1	o	30.16	-18	32	32	-1	WNW	1	o	?	o	60	28	-	
PENINSULA.	Yarmouth ...	30.22	43	E	2	b	30.13	-19	42	41	-2	E	4	b w	3	b	47	38	-	
	Cuxhaven ...	30.36	50	SE	3	b	30.42	-03	38	35	+3	ESE	4	b	?	b	43	35	-	
	Berlin ...	30.39	39	E	2	b	30.45	+01	31	29	0	ESE	3	b	?	b	45	28	-	
	Wiesbaden ...	?	?	?	?	?	30.28	-06	38	35	-2	NE	3	b	?	?	52	36	-	
	Munich ...	30.22	33	NE	3	b	30.22	-04	30	28	+1	E	3	b	?	b	43	25	-	
	The Helder ...	30.26	45	E	1	bc	30.28	-11	40	37	-1	ESE	4	c	3	bc	46	39	-	
	Brussels (B. a. m.)	?	?	?	?	?	30.16	-15	44	37	+3	ESE	3	o	?	o	56	35	-	
	Cape Gris Nez	30.13	46	E	1	m	30.05	-19	42	37	+2	ESE	2	c	2	m	52	39	-	
	Paris ...	30.12	56	NNE	2	c	30.07	-18	39	35	0	NE	1	bc	?	c	63	37	-	
	Brest ...	?	54	E	2	bc	?	?	43	41	-1	E	2	c	2	bc	68	37	-	
PENINSULA.	Lorient ...	30.06	48	2	0	bc	29.98	-21	46	42	-1	E	3	c	2	bc	66	45	-	
	Rochefort ...	29.99	60	ENE	4	b	29.94	-11	42	40	-2	ESE	3	b	?	b	72	39	-	
	Belfort ...	?	52	E	2	b	?	?	36	34	-1	NE	3	b	?	b	55	34	-	
	Lyons ...	30.03	54	N	1	b	30.07	-01	48	44	-2	N	?	?	?	b	61	39	-	
	Nice ...	30.04	50	SW	1	b	30.07	-01	48	44	-2	2	0	bc	1	b	59	43	-	
	Perpignan ...	29.98	59	SW	1	b	30.01	-04	44	42	-1	SW	1	b	?	b	65	37	-	
	Biarritz ...	29.96	52	WSW	3	m	29.90	-14	50	45	+1	SE	3	b	1	m	59	43	-	
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-	
	Lisbon ...	29.75	62	ESE	3	b	29.69	-20	52	48	0	NE	4	0	?	?	70	52	-	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Monday, 27th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

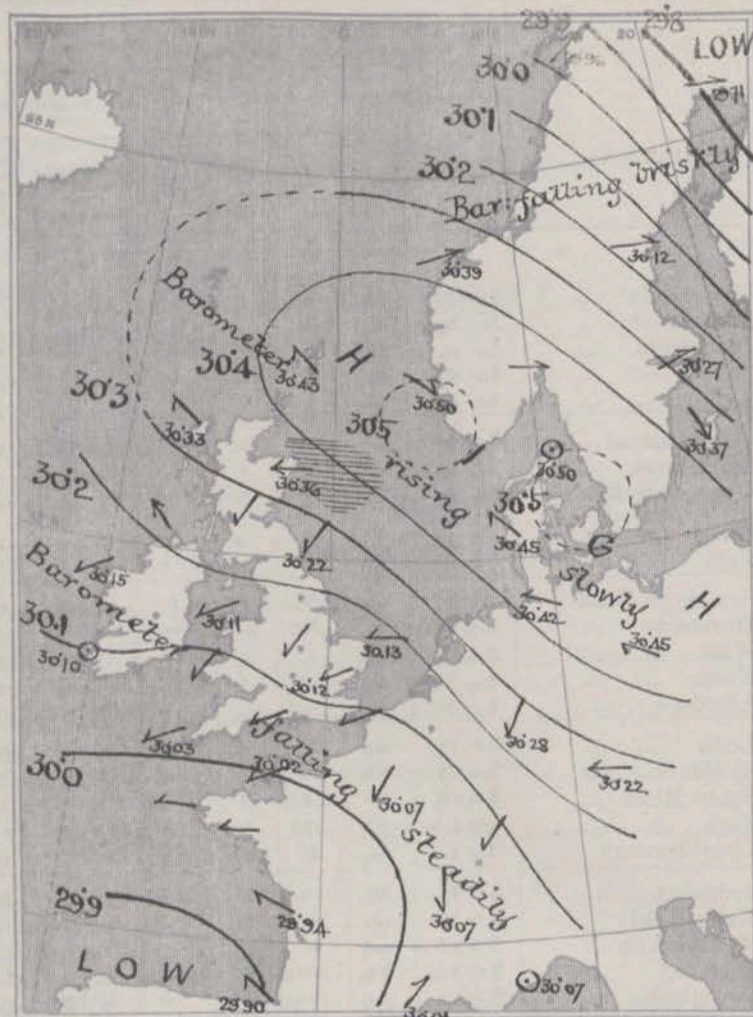
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 30 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Douglashadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Silly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	42.6	33.9	38.3	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.0	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.83
Leith	47.9	34.6	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.04
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.0	38.4	41.9	40.2	2.87
Douglashadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Silly	49.5	42.5	46.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.5	38.9	37.4	1.59
Cambridge	50.2	38.0	38.9	37.5	1.40
Yarmouth	45.2	34.9	40.2	38.6	1.82

NOTE—The Temperature means are for the 30 years 1871-90, the Rainfall means are mainly those for the 30 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins: and more to 30.3 ins: in an anticyclone covering Denmark, the south of Scandinavia, and the North Sea.
Lowest, 29.3 ins: to 29.7 ins: over the Spanish Peninsula and also over Lapland.

Gradients slight except over the northern parts of Scandinavia.

Barometer still inclined to fall over the British Islands, and falling fast over Lapland and northern Europe generally.

TEMPERATURE

Highest, 52° at Lisbon, 50° at Biarritz, 48° at Bally, 47° to 45° in the south and west of Ireland.

Lowest, 30° at Munich, 32° at Berlin, Cambridge and Wirby, 33° at Stockholm, 36° at Oxford.

The highest of the maxima recorded in our Islands yesterday ranged between 58° and 60°; the night was again cold, the minima being as low as 28° at Loughborough and Cambridge, 32° at Oxford.

WIND

Light generally over our Islands and France, and mainly E^{ly} (NE to SE) in direction. A strong W^{ly} wind has, however, set in over the northern parts of Scandinavia.

WEATHER

Fine at the southern and western stations, but hazy in many places; very dull on our north and northeast coast, with rain at Leith. Light drizzle has fallen on our northeast coast during the night.

Halos, both solar and lunar were seen at all our southern stations yesterday, and were very well defined.

SEA

Rather rough in the north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no increase in the tendency towards rainy weather over our Islands; on the contrary the appearance is now fairer than it was on Sunday.

Erratum. In Saturday's report first line of Temperature paragraph for "58° at Leith" read "58° at Lisbon".

FORECASTS

For the 24 hours ending at NOON on 28th March, 1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

E^{ly} and SE^{ly} winds, fair as a whole

E^{ly} and NE^{ly} winds, light or moderate;
fair generally.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

E^{ly} breezes, moderate, fine, dry.

Same as N° 5

Varying light breezes; fair,
hazy or foggy.

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.40	46	44	W.S.W.	2	cf	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.34	51	49	NE	2	b	3	Jersey ...	30.18	58	51	E.N.E.	3	b	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.19	48	46	E.N.E.	3	b	0
Ardrossan ...								North Foreland ...	30.21	47	45	E.N.E.	1	c	3
Malin Head ...	30.30	47	47	N	2	0	1	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.30	50	47	N	2	bc	#	Rochefort ...	30.04	65	56	E.N.E.	3	b	#
Holyhead ...	30.26	57	51	N.W.	1	b	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather fine and bright in most parts of our Islands and the Continent, but foggy in the Shetlands, the south of Ireland and the north of England. Snow falling in Denmark, the north of Norway and the south of Russia, as well as at Hermandstadt. Slight rain falling later at some of our own N.E. stations, but weather remaining fair and dry in all other parts of western Europe.

Temperature fallen a little in most places. Morning readings highest 59° at Barcelona, 58° at Corunna, Mermos and Algiers, and 57° at San Fernando and Palermo, above 50° at most of the Mediterranean stations, as well as in the extreme southwest of England. Lowest 9° at Haparanda, 10° at Uleaborg, 12° at Kuopio, 14° at Archangel, and 17° at Moscow, below the freezing point over the greater part of Sweden and Russia, as well as at several of the Danish and German stations, and very little above it in some parts of Central England. Daily maxima over our Islands somewhat lower than of late, thermometer reaching 60° at York, Oxford and Cambridge only. Exceeding 60° in France and Spain, and reaching 72° at Rochefort.

Wind light from the N.E. over the S. parts of the United Kingdom and the greater part of Central and S. Europe, but N. or N.W. in Italy, and S. in Algeria. Calm or light and variable in the north of our Islands and also in Scandinavia and N. Russia, light from the S.W. in Denmark. N.E. breeze spreading later to our N. coasts, no important change occurring elsewhere.

Barometer highest 30.6 ins. and upwards over the S. parts of the Gulf of Bothnia, 30.1 ins. and upwards in an anticyclone covering all but the extreme S.W., S. and S.E. parts of Europe. Lowest 29.9 ins. and less in a shallow depression lying off the southwest of Spain, 30.0 ins. and less in another shallow system over the S. of Russia. Slight fall of barometer taking place over W. Europe during day, but general distribution of pressure remaining unchanged.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 19TH TO 25TH MAR 1893.

Throughout this week the weather over the British Islands and their neighbourhood was exceptionally fine and bright. The distribution of pressure was anticyclonic, and the gradients consequently slight; the winds were very light in force - and chiefly E. at the southern stations, S.W. to W. in the north, and very variable, or calm, over the inland and eastern parts of England. Temperature has been much above its mean value (for the time of year) during the day time - the higher of the maxima being commonly above 60°, and touching 69° at Loughborough and Cambridge on some occasions; the night minima, however, were low - frost occurring even in the shade on several occasions, and over England sharp frosts on the grass every night; the diurnal range was therefore very large - more than 40° on one occasion. The amount of bright sunshine was in most places excessive, but in London the record was greatly reduced by thick low fogs which prevailed for several hours during each of the mornings.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 28TH MARCH 1893

Issued by the Meteorological Office, 83, Victoria Street, London. R. H. SCOTT, Secretary.

Published by the Meteorological Office, 55, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		SHADE TEMP.			Wind.		Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).				Max.	Min.		
		Inch.	°				Inch.	°	°	°	°						°	°		
SCANDINAVIA.	Haparanda ...	29.71	23	NW	2	0	29.80	+0.09	27	26	-12	NW	4	0	4	0	45	19	—	
	Hernösand ...	29.53	40	NW	4	0	29.58	-0.05	44	40	+1	N	2	0	4	0	46	20	—	
	Stockholm ...	29.06	34	NW	2	0	29.02	-0.04	41	36	+5	N	4	0	4	0	45	23	0.90	
	Wisby ...	29.16	34	NW	4	bc	29.02	-0.14	35	34	+1	NW	4	0	4	0	46	25	—	
	Bodö ...	29.27	23	NW	1	0	29.22	-0.05	28	31	-3	N	1	0	4	0	29	20	—	
	Christiansund...	29.27	41	NW	8	f	29.15	-0.12	41	41	0	NW	9	7	5	f	45	41	0.12	
	Skudesnaes ...	29.40	40	NW	4	c	29.25	-0.15	41	38	+1	NW	4	0	2	f	48	36	—	
	Christiania Fjord (Færd)	29.19	37	NW	2	m	29.14	-0.05	37	37	-1	2	0	f	2	m	29	20	—	
	Skagen (The Scaw)	29.22	37	NW	3	bc	29.14	-0.08	38	36	+2	NW	1	0	0	bc	41	35	—	
	Fanø ...	29.26	37	2	0	bc	29.20	-0.06	37	35	+2	NW	4	0	4	bc	34	32	—	
BRITISH ISLANDS.	Sumburgh Head	29.37	40	SE	1	bc	29.29	-0.08	40	39	0	2	0	bc	2	bc	44	35	—	
	Stornoway ...	29.24	45	SE	4	bc	29.21	-0.03	40	39	-1	2	0	bc	2	bc	47	33	—	
	Wick ...	29.35	40	2	0	0	29.24	-0.11	41	39	0	2	0	bc	1	0	47	37	—	
	Nairn ...	29.29	43	ENE	1	bc	29.26	-0.03	39	38	-1	2	0	bc	1	0	48	24	—	
	Aberdeen ...	29.26	40	SE	2	0	29.21	-0.05	41	38	0	2	1	bc	3	0	45	33	—	
	Leith ...	29.27	41	E	3	bc	29.29	+0.02	39	37	-2	E	1	0	4	bc	48	32	—	
	Shields ...	29.25	42	ENE	3	bc	29.27	+0.02	42	41	-1	ENE	2	0	3	c, bc	45	37	—	
	Spurn Head ...	29.17	42	E	4	bc	29.21	+0.04	45	42	-3	ENE	4	bc	4	bc	45	41	—	
	York ...	29.20	45	E	3	bc	29.24	+0.04	33	33	-12	N	1	bc	4	bc	48	28	—	
	Loughborough	29.12	37	NW	2	bc	29.21	+0.09	34	32	-2	NW	2	bc	4	bc	57	29	—	
GERMANY & HOLLAND.	Ardrossan ...	29.17	45	ENE	4	bc	29.21	-0.04	40	38	-2	ENE	2	bc	1	c, bc	51	33	—	
	Malin Head ...	29.13	44	SE	3	bc	29.12	-0.01	42	37	-5	SE	5	bc	2	c, bc	40	40	—	
	Mullaghmore ...	29.09	46	ENE	5	0	29.07	-0.02	42	40	-2	ENE	5	0	4	0, bc	47	40	—	
	Belmullet ...	29.07	48	NW	2	0	29.03	-0.04	44	41	-3	E	2	0	4	bc	52	41	—	
	Donaghadee ...	29.14	47	ENE	4	c	29.16	-0.02	43	40	0	ENE	6	0	4	c	48	41	—	
	Liverpool (Bidston)	29.12	48	E	4	bc	29.17	0.05	40	37	-3	E	2	bc	2	bc	51	38	—	
	Holyhead ...	29.08	47	ENE	3	bc	29.09	-0.01	46	44	-2	ENE	2	bc	3	c, bc	49	40	—	
	Parsonstown ...	29.05	45	SE	1	c	29.02	-0.03	46	40	-6	2	0	bc	4	bc	47	35	—	
	Valencia ...	29.39	53	2	0	bc	29.39	-0.00	52	44	-8	E	4	bc	4	bc	56	46	—	
	Roche's Point	29.01	48	E	4	m	29.35	-0.34	49	47	-2	ENE	4	m	4	m	52	42	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.03	45	E	3	bc	29.03	-0.00	47	45	-2	E	5	bc	5	bc	57	42	—	
	Scilly ...	29.37	50	E	4	0	29.31	-0.06	51	49	-2	E	5	bc	2	c, 0	54	47	—	
	Prawle Point ...	29.03	47	ENE	2	c	29.02	-0.01	47	47	0	ENE	2	bc	2	c, m	52	45	—	
	Jersey (St. Aubin's)	29.58	59	ENE	2	c, bc	29.01	-0.01	54	46	-8	E	2	bc	3	bc, c, bc	60	45	—	
	Hurst Castle ...	29.06	47	E	2	bc	29.08	0.02	49	45	-4	NW	4	bc	3	bc	55	40	—	
	Dungeness ...	29.05	48	E	4	bc	29.13	+0.08	46	42	-4	E	4	bc	2	m, bc	52	42	—	
	North Foreland	29.09	46	E	3	bc	29.17	+0.08	47	47	0	ENE	2	bc	4	bc	49	43	—	
	London ...	29.10	49	E	2	bc	29.16	+0.06	44	40	-4	ENE	2	bc	4	bc	53	37	—	
	Oxford ...	29.12	45	NW	1	bc	29.15	+0.03	39	37	-2	NW	1	bc	4	bc	52	31	—	
	Cambridge ...	29.14	49	E	1	bc	29.20	+0.06	38	37	-1	NW	1	bc	4	bc	62	28	—	
PENINSULA.	Yarmouth ...	29.17	44	E	4	bc	29.21	+0.04	48	41	-7	E	4	bc	3	bc	48	40	—	
	Cuxhaven ...	29.27	43	E	2	bc	29.24	-0.03	36	34	-2	N	1	bc	4	bc	46	35	—	
	Berlin ...	29.26	42	2	0	bc	29.23	-0.03	38	33	-5	NW	2	bc	4	bc	48	31	—	
	Wiesbaden ...	29.24	32	2	0	bc	29.20	-0.04	40	34	-6	NW	4	bc	4	bc	52	24	—	
	Munich ...	29.24	32	NW	4	bc	29.23	-0.01	38	37	-1	E	4	bc	4	bc	41	23	—	
	The Helder ...	29.27	46	E	2	bc	29.24	-0.03	42	40	-2	E	1	bc	1	bc	48	39	—	
	Brussels (9 a.m.)	29.06	53	ENE	1	c	29.23	+0.17	42	35	-7	ENE	4	bc	4	bc	56	33	—	
	Cape Gris Nez	29.04	54	ENE	2	bc	29.12	+0.08	41	35	-6	E	1	bc	1	c	53	33	—	
	Paris ...	29.04	54	ENE	2	bc	29.12	+0.08	42	35	-7	E	1	bc	1	c	53	33	—	
	Brest ...	29.04	61	NW	1	bc	29.12	+0.08	42	35	-7	E	1	bc	1	c	53	33	—	
GERMANY & HOLLAND.	Lorient ...	29.52	57	SE	3	bc	29.31	-0.21	48	43	-5	E	4	bc	2	bc	70	43	—	
	Rochefort ...	29.89	66	E	1	bc	29.84	0.05	49	44	-5	SE	4	bc	4	bc	70	41	—	
	Belfort ...	29.89	50	SE	4	bc	29.84	0.05	49	44	-5	SE	4	bc	4	bc	70	41	—	
	Lyons ...	29.00	57	2	0	c	29.15	+0.15	45	43	-2	NW	1	bc	4	bc	53	30	—	
	Nice ...	29.13	46	2	0	0	29.22	+0.09	45	41	-4	E	1	bc	4	bc	64	42	—	
	Perpignan ...	29.12	61	2	0	bc	29.07	-0.05	50	45	-5	SE	2	bc	4	bc	68	45	—	
	Biarritz ...	29.06	70	SE	4	bc	29.09	-0.01	52	46	-6	SE	4	bc	2	bc	70	48	—	
	Corunna ...	29.56	57	SE	5	7	29.54	-0.02	53	52	-1	SE	5	7	7	7	64	51	0.20	
	Lisbon ...	29.56	57	SE	5	7	29.54	-0.02	53	52	-1	SE	5	7	7	7	64	51	0.20	
	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Tuesday, 28th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 6 to 7; → forces 4 to 5;

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

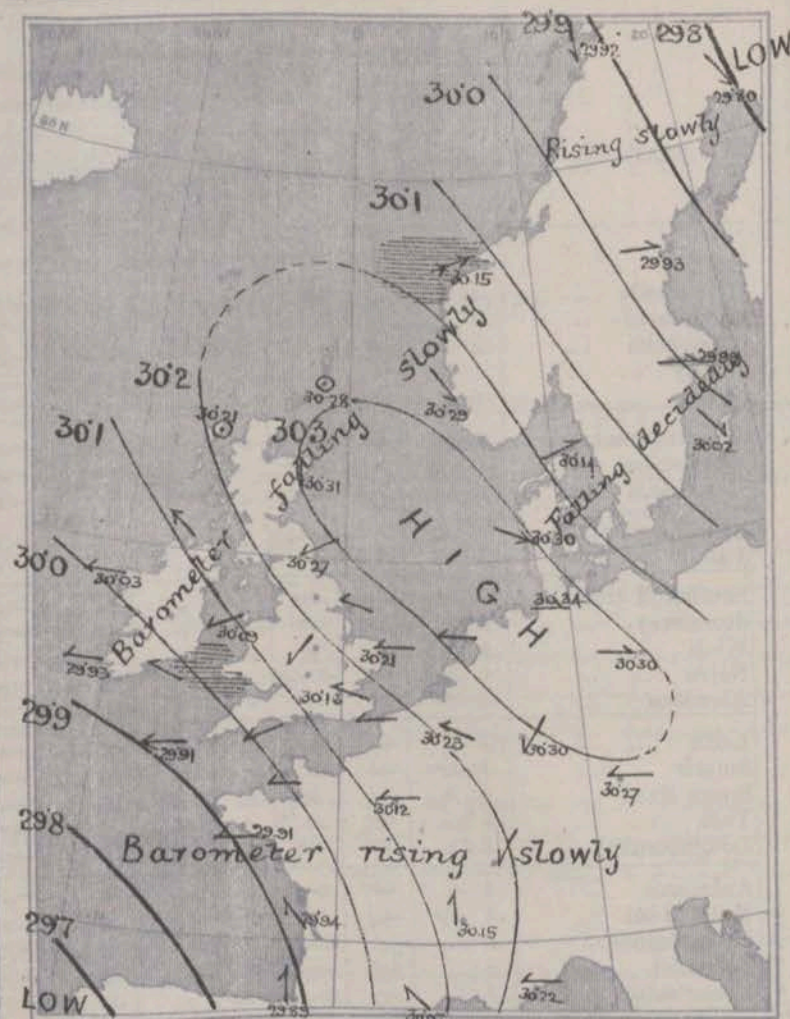
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.947
Pembroke	29.949
Seilly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

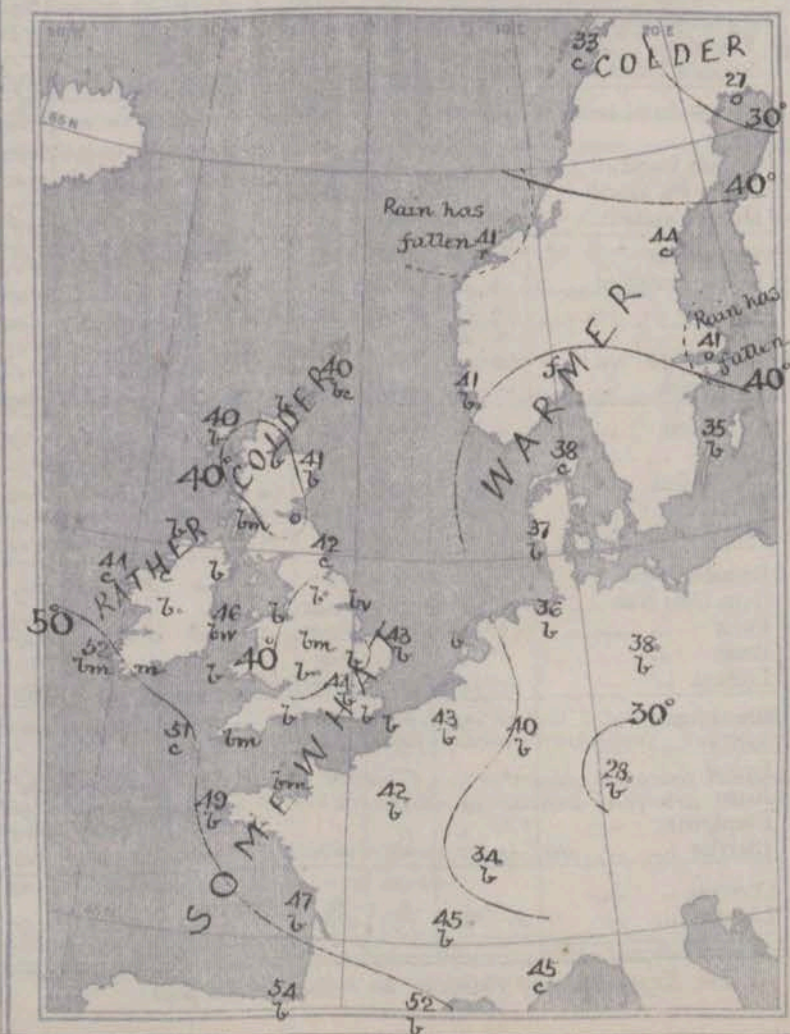
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	42.4	33.9	38.3	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.82
Nairn	45.6	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.8	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	44.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	49.5	31.2	39.0	37.3	1.64
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.0	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.05
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Seilly	49.5	42.5	46.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.06
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.3	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.4	1.69
Cambridge	50.2	39.0	38.9	37.5	1.40
Yarmouth	45.2	31.9	40.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards, over the North Sea, the south of Denmark, and the northwestern part of Germany.

Lowest, 29.6 in: and less, in a depression lying off the southwest of Spain; 29.8 in: and less, over Lapland.

Gradients slight. Barometer falling a little in the west and north of our Islands, and rather more decidedly over Denmark and the south of Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, 55° at Lisbon, 54° at Jersey, Biarritz, and Perpignan, 52° at Valencia (Ireland) and 51° at Lully.

Lowest, (1) 27° at Haparanda, 33° at Rostock and 35° at Viterbo; (2) 28° at Munich and 34° at Belfast; (3) 38° at Minin and York.

The highest maxima registered over our Islands yesterday were 62° at Cambridge and 60° at Jersey; on our northern, north, and east coasts the thermometer did not reach 50°.

WIND

E³ over Ireland, England, and the north of France; light or moderate in force at our eastern stations, but fresh in the west.

Calm or light S³ in Scotland; W³ or NW³ in Scandinavia and Denmark, with a strong gale at Christiansund.

Light or moderate from the S³ or SE³ in the west and south of France.

WEATHER

Fine and bright over nearly the whole of Western Europe, but cloudy or overcast in Scandinavia, with rain at Christiansund.

Heavy rain fell yesterday at Stockholm, and smaller amounts at Christiansund and Lisbon; elsewhere the weather remained generally clear.

Solar and lunar halos were seen at some of our own southern stations.

SEA

Moderate to smooth generally, but rather rough at Christiansund and also at Pembroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any material change in the weather.

FORECASTS

For the 24 hours ending at NOON on 29th March 1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

S³ and SE³ winds, light; fine generally.

E³ winds, moderate; fine generally.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

Same as Nos 3 to 5

E³ or SE³ winds, freshening; fair generally.

WARNINGS

None issued.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.47	42.	53	NW	4	C	2	Valencia ...	30.04	56	58	WNW	1	bcn	1
Sumtburgh Head ...	30.41	44	40	SE	2	bc	2	Scilly ...	30.33	50	53	E	0	C	2
Stormoway ...	30.29	47	44	SE	4	C	4	Jersey ...	30.07	59	51	E	0	bc	3
Aberdeen ...	30.56	46	40	SE	0	C	5	Hurst Castle ...	30.05	55	58	WNW	0	bc	2
Shields ...	30.25	43	41	SE	4	C	0	Dungeness ...	30.07	52	48	E	0	m	2
Ardrossan ...	30.19	50	46	WNW	4	cm	2	North Foreland ...	30.10	49	45	E	3	C	4
Malin Head ...	30.17	48	42	SE	5	cm	2	London ...	30.09	57	48	E	2	C	0
Mullaghmore ...	30.12	46	48	ENE	5	C	4	Yarmouth ...	30.17	45	48	E	4	C	4
Belmullet ...	30.11	52	48	E	0	bc	0	Rochefort ...	29.94	61	52	E	0	C	0
Holyhead ...	30.08	49	45	E	4	C	0								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather remaining fine over the greater part of western, central, and southern Europe, but heavy in many parts of the United Kingdom, and dull in the east of Scotland, with rain at Leith. Cloudy or overcast at most of the Scandinavian and Russian stations, with rain at Rode and with snow at Kiev, as well as at Hermannstadt. No important change occurring during day, but solar and lunar halo observed over the south of England.

Temperature risen briskly over Sweden and northern Russia, fallen in most other localities. Morning readings highest, 64° at Oporto, 62° at Bilbao, 60° at Barcelona and Algiers, and 57° at San Fernando and Oren; above 50° over the southern part of the Mediterranean generally, but below it over Italy and the Adriatic. Lowest 16° at Moscow, 19° at Kharkov, 21° at Archangel and Helsingfors, and 22° at St. Petersburg and Kiev. Below the freezing point in most parts of Russia, Germany, and Austria, and very little above it in Central England. Rising during day to 60° at Jersey and to 63° at Cambridge, but remaining below 50° on our northwest coast and east coast. Exceeding 65° in the west and south of France and reaching 73° at Biarritz.

Wind light to fresh from the End over the greater part of western, central, and southern Europe, but calm in the south of France, and SW^{ly} in the south of Italy. W^{ly} or SW^{ly} over Scandinavia and northern Russia, and strong in force in the east of Norway; light from the Nth over Austria and the south of Russia. No important change occurring during day, but wind increasing to a gale in the west of Norway.

Barometer highest 30.4 ins. to 30.5 ins. in an anticyclone lying over the North Sea, Denmark, the south of Scandinavia, and the northern and eastern parts of Germany. Lowest, 29.6 ins. and less, in a depression over the White Sea; 29.7 ins. and less in another system lying off the southwest of Spain; 29.9 ins. and less, in a third lying over the south of Russia. No important change occurring over Western Europe during day, but barometer falling a little in most places.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 29th March,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 65, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.		
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dew Pt.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.				
	Ina.	°					Ina.	°	°	°						°	ins.			
SCANDINAVIA.																				
Haparanda ...	29.72	22	n	2	b	29.60	-2.0	20	19	-7	W	2	bc	#	b	34	16			
Hernösand ...	29.84	41	W	2	c	29.79	-1.4	40	36	-4	WNW	4	c	#	c	45	36			
Stockholm ...	29.92	43	WNW	2	r	29.84	-1.5	41	37	0	W	4	o	#	c	52	32			
Wisby ...	29.93	39	WNW	4	b	29.87	-1.5	37	36	+2	N	4	bc	#	b	41	28			
Bodö ...	29.86	32	Z	0	b	29.87	-0.5	31	29	-2	N	6	c	#	b	34	27			
Christiansund...	30.09	41	WNW	8	r	30.10	-0.5	39	37	-2	WNW	2	c	5	r	43	39			
Skudesnaes ...	30.25	41	HW	4	o	30.16	-1.3	41	37	0	WNW	4	b	2	c, o	45	34			
Christiania Fjord (Fjord)	30.02	36	ENE	2	f	30.00	-1.4	35	33	+4	Z	0	c	1	f	37	30			
Skagen (The Seaw)	29.99	36	Z	0	m	29.99	-1.5	34	34	-4	NNE	1	f	0	m	46	32			
Fanö ...	30.19	38	WNW	6	b	30.09	-2.1	39	38	+2	WNW	4	b	#	b	43	30			
Sumburgh Head	30.20	43	ENE	1	b	30.11	-1.7	40	39	0	Z	0	o	2	b	46	36			
Stornoway ...	30.15	47	SW	3	b	30.03	-1.8	40	40	0	NE	2	b	2	b	50	33			
Wick ...	30.18	40	Z	0	b	30.06	-1.8	34	31	-7	Z	0	b	0	b	49	27			
Nairn ...	30.16	44	Z	0	b	30.07	-1.9	36	35	+3	Z	0	bc	1	b	48	25			
Aberdeen ...	30.23	42	S	2	b	30.12	-1.9	38	37	-3	S	2	bcnw	2	b	47	29			
Leith ...	30.19	39	ENE	2	b	30.12	-1.6	35	35	-3	NE	2	m	#	b	47	34			
Shields ...	30.21	44	ENE	3	b	30.15	-1.2	39	37	-3	ENE	2	f	3	b	49	31			
Spurn Head ...	30.17	43	E	3	b	30.13	-0.8	47	45	+2	ENE	1	bcnw	1	b	47	36			
York ...	30.19	53	E	1	b	30.16	-0.8	37	34	+4	N	1	b	#	b	60	25			
Loughborough	30.14	59	SE	1	b	30.15	-0.6	33	32	-1	Z	0	cm	#	b	64	24			
ISLANDS.																				
Ardrossan ...	30.13	50	ENE	4	bm	30.06	-1.5	39	37	-1	ENE	3	of	1	bm	54	34			
Malin Head ...	30.04	48	ENE	4	bm	29.96	-1.6	47	42	+5	SE	4	om	1	b, bm	51	42			
Mullaghmore ...	29.97	54	ENE	5	b	29.95	-1.2	51	46	+9	S	3	om	3	b	58	41			
Belmullet ...	29.94	59	ENE	2	b	29.90	-1.3	51	47	+7	ENE	2	o	#	b	61	44			
Donaghadee ...	30.10	49	SE	3	b	30.06	-1.0	45	43	+2	ENE	4	bc	2	b	51	42			
BRITISH.																				
Liverpool (Bidston)	30.11	57	E	2	b	30.10	-0.7	43	37	+3	E	2	b	2	b	60	37			
Holyhead ...	30.06	54	Z	0	b	30.03	-0.6	51	45	+5	SE	1	b	1	b	63	42			
Parsonstown ...	29.98	57	SW	1	b	29.96	-0.6	51	46	+8	SW	1	o	#	b	61	41			
Valencia ...	29.88	58	ENE	5	bgm	29.92	-0.1	56	52	+4	SE	3	cm	3	bgm	63	50			
Roche's Point	29.94	52	ENE	5	bc	29.96	+0.1	50	48	+1	ENE	4	c	4	bc	54	46			
Pembroke (St. Ann's Hd.)	30.00	53	E	5	bc	30.00	-0.3	49	46	+2	E	4	bc	4	bc	57	45			
Scilly ...	29.92	51	E	5	o	29.92	+0.1	52	50	+1	E	4	c	2	5.0	54	47			
Prawle Point ...	30.02	48	NE	5	b	30.01	-0.1	52	49	+3	ENE	3	bm	2	b	55	45			
Jersey (St. Aubin's)	29.98	60	E	3	bm	30.03	+0.02	55	48	+1	ENE	2	bm	2	bm	66	48			
Hurst Castle ...	30.08	51	E	4	bc	30.07	-0.1	47	44	0	E	3	bm	3	b, bc	56	42			
Dungeness ...	30.10	48	E	4	b	30.07	-0.6	48	46	+2	E	3	m	2	b	51	43			
North Foreland	30.13	46	E	2	b	30.10	-0.7	48	45	+1	E	2	bm	3	b	48	41			
London ...	30.14	50	E	2	b	30.10	-0.6	43	40	-1	E	2	bm	#	b	59	35			
Oxford ...	30.14	48	E	1	b	30.11	-0.4	38	35	-1	NE	1	b	#	b	61	31			
Cambridge ...	30.17	53	ENE	1	b	30.14	-0.6	35	33	-3	WNW	1	b	#	b	67	26			
Yarmouth ...	30.19	45	E	3	b	30.13	-0.8	44	43	+1	E	2	bm	3	b	47	40			
GERMANY & HOLLAND.																				
Cuxhaven ...	30.26	41	WNW	3	b	30.18	-1.6	40	39	+4	HW	4	m	#	b	45	36			
Berlin ...	30.18	47	WNW	2	b	30.07	-1.3	40	35	+2	WNW	3	b	#	b	54	36			
Wiesbaden ...	30.23	38	NE	3	b	30.19	-1.1	35	31	-5	Z	0	b	#	#	55	34			
Munich ...	30.27	44	ENE	1	b	30.16	-1.1	32	30	+4	E	2	b	#	b	50	25			
The Helder ...	30.27	44	ENE	1	b	30.23	-1.1	44	41	+2	E	1	b	1	b	48	41			
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)	30.08	48	E	1	m	30.15	-0.8	49	39	+6	ENE	1	b	#	b	60	?			
Cape Gris Nez	30.08	39	E	2	b	30.05	-0.7	45	40	+4	ENE	3	b	3	m	52	39			
Paris ...	30.08	58	E	1	b	30.11	-0.1	40	36	-2	SE	1	b	#	b	67	37			
Brest ...	29.91	59	ENE	4	bc	29.93	+0.2	46	43	-2	E	5	b	2	b	68	39			
Lorient ...	29.91	59	ENE	4	bc	29.93	+0.2	46	43	-2	E	5	b	2	bc	64	45			
Rochefort ...	29.90	64	ENE	4	b	29.91	-0.3	44	40	-3	ENE	4	b	#	b	72	39			
Belfort ...	30.12	54	S	2	b	30.15	-0.0	43	40	-2	S	1	b	#	b	59	27			
Lyons ...	30.20	48	ENE	4	b	30.15	-0.7	46	39	+1	E	4	b	5	b	63	37			
Nice ...	30.10	33	S	4	o	30.04	-0.3	48	48	-4	S	3	#	#	o	54	37			
Perpignan ...	29.80	66	S	5	o	29.83	-0.6	50	47	-4	ENE	4	o	1	o	64	41			
Biarritz ...	29.80	66	S	5	o	29.83	-0.6	50	47	-4	ENE	4	o	1	o	75	48			
PENINSULA.																				
Corunna ...	29.41	60	SE	4	o	29.48	-0.6	59	57	+4	SE	4	o	#	#	64	55			
Lisbon ...	29.41	60	SE	4	o	29.48	-0.6	59	57	+4	SE	4	o	#	#	64	55			

For Explanation of Columns see bottom of last page.

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday 29th March 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

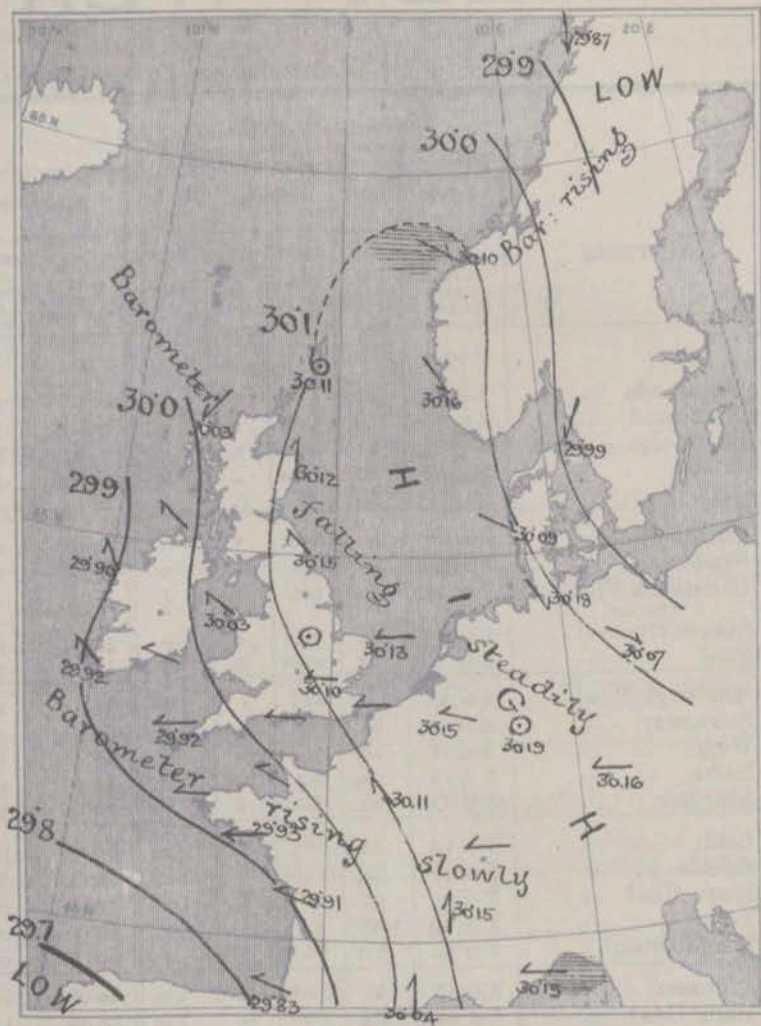
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

8.0 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumbargh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.906
York	29.908
Loughborough	29.932
Ardrossan	29.863
Mullaghmore	29.872
Donaghadee	29.883
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Rocha's Point	29.927
Pembroke	29.929
Silly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

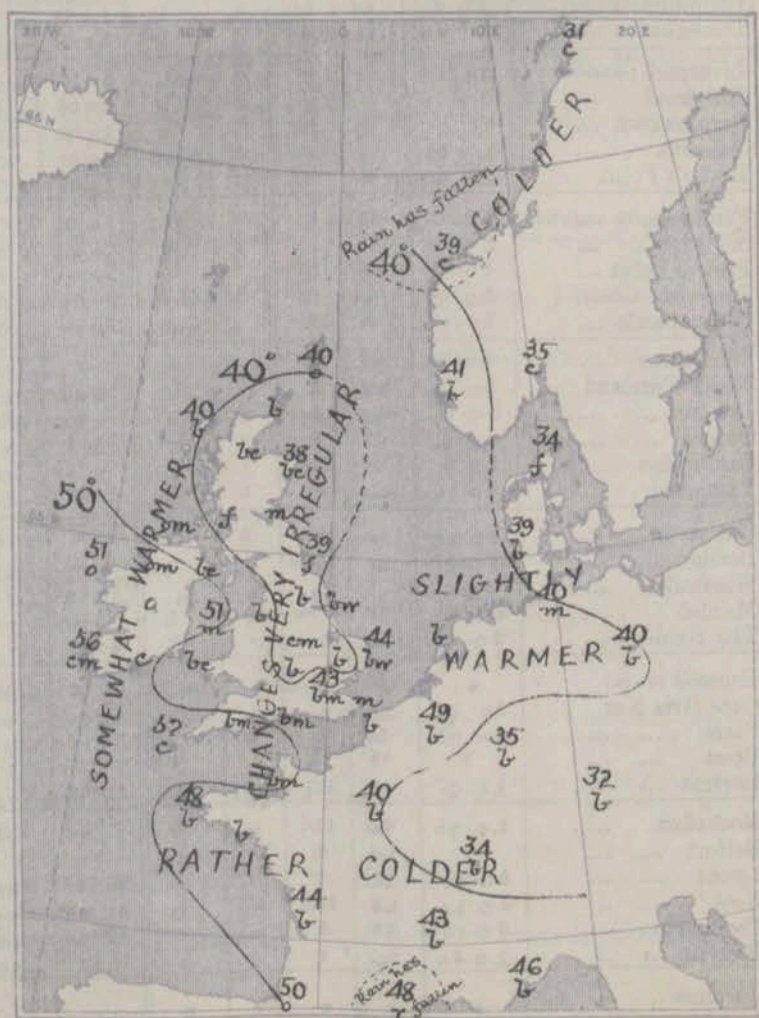
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumbargh Head	42.6	33.9	38.3	36.9	2.79
Stornoway	41.0	34.5	1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.4	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.5	37.7	1.41
Shields	5.2	35.2	39.4	37.8	1.75
Spurn Head	44.1	36.6	7	38.4	1.22
York	48.1	36.6	1.5	37.0	1.79
Loughborough	49.1	34.2	39.0	37.3	1.64
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.08
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	38.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.1	41.9	42.8	4.20
Rocha's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Silly	48.1	42.5	46.0	41.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	49.5	39.0	44.0	42.0	2.39
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.4	1.89
Cambridge	50.2	33.0	38.9	37.3	1.46
Yarmouth	45.2	34.9	42.2	38.6	1.82

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and upwards, in an anticyclone lying over the North Sea, the eastern part of England, the Netherlands, Germany, and the east of France.
Lowest, 29.5 in: and less, in a depression off the southwest of Spain.

Gradients slight. Barometer rising in France and the extreme southwest of our Islands, as well as in Norway; falling a little in most other parts of Western Europe.

TEMPERATURE

Highest, 59° at Lisbon, 56° at Valencia (Ireland), 55° at Jersey, and 52° at Lully and Pauze Point.

Lowest, (1) 31° at Hód and 35° at Tander; (2) 32° at Munich and 34° at Bielefeld; (3) 33° at Loughborough, and 34° at Thirk.

During yesterday the thermometer rose to 60° or more in several parts of Ireland and England, the highest readings of all being 67° at Cambridge and 66° at Jersey.

WIND

Light or moderate from the eastward or southeasterly over the greater part of England, Ireland, and France, but calm or variable in Scotland.

Moderate from the NWnd in Norway, Denmark, and North Germany.

WEATHER

Fine and bright over the greater part of Western Europe, but hazy or foggy in places.

Dull at several of the Irish stations, as well as in the extreme south of France, with rain at Perpignan.

Lunar halos were seen yesterday at Limbroke and Pauze Point.

SEA

Light or smooth generally, but rather rough at Christiansund and also at Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Western Europe continues to give way gradually, but there are at present no signs of any immediate change in the weather.

FORECASTS

For the 24 hours ending at NOON on 30th March, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | Variable breezes, finally SW ^{ly} ; dull, rain locally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | S ^{ly} and SE ^{ly} winds, light; fine generally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | E ^{ly} winds, light; fine generally, but mist or fog locally. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | E ^{ly} and SE ^{ly} winds, light; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E ^{ly} to SE ^{ly} winds, moderate, fair generally. |
| 9 | IRELAND NORTH | SE ^{ly} winds, moderate or fresh; dull, rain locally. |
| 10 | IRELAND SOUTH | |

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.26	45	42	NW	6	c	2	Valencia ...	29.88	63	58	ESE	5	bm	5
Sumburgh Head ...	30.24	46	43	SW	1	b	2	Scilly ...	29.92	54	51	E	5	c	2
Stornoway ...	30.18	44	44	SW	3	b	3	Jersey ...	30.01	65	57	E	3	bm	3
Aberdeen ...	30.26	45	41	S	3	b	3	Hurst Castle ...	30.04	55	53	ESE	3	b	3
Shields ...	30.26	45	43	ESE	3	b	3	Dungeness ...	30.13	51	46	E	4	b	3
Ardrossan ...	30.15	55	50	ENE	4	b	2	North Foreland ...	30.15	48	47	E	3	b	4
Malin Head ...	30.06	50	45	ESE	5	b	2	London (Westminster)	30.16	57	44	E	3	bm	*
Mullaghmore ...	30.02	57	48	ESE	5	b	4	Yarmouth ...	30.23	47	44	ESE	3	b	3
Belmullet ...	29.99	59	50	E	3	b	*	Rocheport ...	29.91	68	56	SE	4	b	*
Holyhead ...	30.08	63	52	E	0	b	0								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning continuing fine and bright over almost the whole of Central Europe and the British Islands, dull and unsettled over the northern and south-western countries; rainy over the Spanish Peninsula and also in some parts of Norway and Finland, snow falling at Kier. Considerable rain at Lisbon and Perpignan later, and nearly 0.2 inch at Christiansund; weather remaining very fine over the British Islands.

Temperature risen decidedly over Germany and western Russia. Morning readings exceeding 60° on the Algerian coast and in the north of Spain, exceeding 50° at Scilly and Valencia, much lower to the northward and eastward. Lowest of all (1) 14° at Kharkov, 17° at Moscow, 23° at Kier, 29° at Prague; (2) 19° at Ulcabog, 22° at Archangel, 28° at Kuopio; (3) 33° at Naum and York, 34° at Loughborough. Rising during day to 60° or more at several of our inland and western stations, to 67° at Paris, 73° at Rochefort and 75° at Kienitz.

Wind (1) SE¹ over Spain and the Bay of Biscay, E¹ over the Channel, England, and Ireland; (2) light and anticyclonic over the North Sea and Central Europe; (3) W¹ and NW¹ over Scandinavia, the Baltic, and eastern Germany, and SW¹ very light at Moscow. Very little change in the west later.

Barometer highest 30.3 ins. and more to 30.2 ins. in a large anticyclone stretching from the Faroe Islands, over the North Sea and adjacent countries, Germany, Austria, and Switzerland to Italy and the Adriatic; (2) 30.1 ins. and more in another over Central Russia. Lowest, 29.6 ins. and less, in a large but not deep depression off the Portuguese coast; (2) 29.5 ins. and less, in another over the White Sea, and below 29.6 ins. in a "V" extending thence to the neighbourhood of St. Petersburg. Falling somewhat over Western Europe later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 30th March, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
				Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).			Max.	Min.			
		Inch.	°	Dirac.	Force (0 to 12).		Inch.	°	°	°							°	°	Inch.	
SCANDINAVIA.	Haparanda ...	29.77	15	NE	2	b	29.81	+2.1	17	17	-3	Z	0	b	#	b	30	7	-	
	Hernösand ...	29.93	33	SW	2	b	29.99	+2.0	27	23	-13	Z	0	b	#	b	?	?	-	
	Stockholm ...	29.92	37	SE	0	b	30.04	+1.2	30	27	-11	E	2	b	#	b	50	?	-	
	Wisby ...	29.92	35	SE	2	b	29.99	+1.2	34	33	-3	SE	4	b	#	b	45	32	-	
	Bodö ...	29.98	28	NW	6	c	29.89	+0.2	33	31	+2	W	5	o	3	c	?	27	-	
	Christiansund...	30.07	39	W	2	f	29.91	-1.9	38	36	-1	ESE	1	b	3	f	43	36	-	
	Skudesnaes ...	30.06	40	NW	2	b	29.90	-2.6	38	37	-3	ESE	4	of	2	b, b	47	32	-	
	Christiania Fjord (Færdier)	29.96	40	W	4	b	29.97	-0.3	36	34	+1	NNE	4	b	1	b	45	35	-	
	Skagen (The Scaw)	29.98	39	WNW	1	b	29.94	-0.5	39	38	+5	S	1	b	0	b	46	34	-	
	Fanö ...	30.06	38	WNW	4	b	29.99	-1.0	37	36	-2	NW	2	b	#	b	48	32	-	
ISLANDS.	Sumburgh Head	29.95	43	E	1	b	29.71	-2.4	46	45	+6	NSW	2	b	2	b, p	46	39	0.04	
	Stornoway ...	29.85	50	SW	4	c	29.78	-2.5	47	46	+7	W	3	o	3	c	52	37	-	
	Wick ...	29.88	43	W	1	c	29.74	-3.2	47	46	+13	W	4	o	1	c	47	34	0.04	
	Nairn ...	29.88	45	E	1	c	29.80	-2.7	47	44	+11	Z	0	c	1	c	49	34	-	
	Aberdeen ...	29.96	46	SEW	2	c	29.82	-3.0	52	44	+14	W	2	b	1	c	52	38	-	
	Leith ...	29.97	37	E	1	b	29.87	-2.5	48	46	+13	NSW	2	om	#	b	48	34	-	
	Shields ...	30.02	47	ESE	2	cm	29.90	-2.5	47	43	+8	NSW	3	f	2	f, cm	52	34	-	
	Spurn Head ...	30.05	44	SSE	2	b	29.93	-2.0	45	42	-2	W	1	c	1	b	48	40	-	
	York ...	30.10	56	SE	1	c	29.95	-2.1	40	37	+3	SE	1	c	#	c	63	37	-	
	Loughborough	30.03	62	SE	1	c	29.99	-1.6	40	37	+7	Z	0	cm, w	#	c	68	32	-	
BRITISH ISLANDS.	Ardrossan ...	29.96	51	Z	0	cm	29.89	-1.7	45	44	+6	SW	1	om	1	cm	57	37	-	
	Malin Head ...	29.91	49	WNW	3	cp	29.90	-0.6	45	44	-2	NSW	3	bm	1	c, p	60	44	0.13	
	Mallaghmore ...	29.93	52	NSW	2	b	29.93	-0.2	46	45	-5	SSE	1	om, w	1	b	63	44	-	
	Belmullet ...	29.94	53	SW	3	b	29.91	+0.1	47	46	-4	SSE	2	b	#	b	58	43	-	
	Donaghadee ...	29.97	52	SSW	3	b	29.94	-1.2	46	45	+1	NSW	3	b	1	b	55	44	-	
	Liverpool (Bldston)	30.01	57	SE	1	b	29.97	-1.3	52	44	+9	SSE	1	b	1	b	64	43	-	
	Holyhead ...	30.00	53	Z	0	c	29.96	-0.7	50	48	-1	SSW	2	b	1	c	64	46	-	
	Parsonstown ...	29.96	59	SW	1	c	29.95	-0.1	44	43	-7	Z	0	b	#	c	62	41	-	
	Valencia ...	29.98	55	S	3	b, cm	29.96	+0.4	48	47	-8	SE	1	om	1	b, cm	63	40	-	
	Roche's Point	30.01	51	ESE	3	c	29.96	0.0	45	45	-5	N	1	f	3	c	55	43	-	
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	30.01	52	ESE	2	c	29.98	-0.2	46	45	-3	E	1	b, cm	1	c	56	42	-	
	Scilly ...	29.98	52	E	4	c	29.96	+0.4	51	50	-1	E	3	cm	3	c	56	47	-	
	Prawle Point ...	30.04	50	ENE	3	b	30.00	-0.1	48	45	-4	NE	1	b	0	b	57	43	-	
	Jersey (St. Aubin's)	29.98	59	NNE	1	bm	30.00	-0.3	54	48	-1	Z	0	bm	0	bm	62	41	-	
	Hurst Castle ...	30.04	50	ESE	2	b	30.01	-0.6	43	41	-4	ENE	2	cm	2	bm	59	38	-	
	Dungeness ...	30.03	50	E	3	b	29.99	-0.8	44	41	-4	Z	0	m	0	m, bm	54	34	-	
	North Foreland	30.05	47	E	1	b	29.98	-1.2	54	49	+6	NW	1	b	2	b	54	40	-	
	London ...	30.06	55	SE	2	b	30.02	-0.8	43	39	0	NSW	1	cm	#	b, o, bm	68	34	-	
	Oxford ...	30.05	51	S	1	b	30.01	-1.0	39	38	+1	Z	0	f	#	b	66	35	-	
	Cambridge ...	30.07	53	ESE	1	b	30.00	-1.4	42	38	+7	SE	1	o	#	b	70	34	-	
FRANCE AND BELGIUM.	Yarmouth ...	30.09	46	ESE	1	b	29.99	-1.4	46	42	+2	SSW	2	b, cm	2	b	48	40	-	
	Cuxhaven ...	30.13	41	W	3	c	30.08	-1.0	36	35	-4	Z	0	f	#	c	44	35	-	
	Berlin ...	30.01	48	WNW	1	b	30.01	-0.6	36	35	-4	WNW	2	f	#	b	54	36	-	
	Wiesbaden ...	30.05	43	E	#	b	30.05	-1.4	37	35	+2	Z	0	b	#	#	57	30	-	
	Munich ...	30.07	43	E	1	b	30.02	-1.4	38	35	+6	W	2	b	#	#	54	28	-	
	The Helder ...	30.16	43	ENE	1	b	30.08	-1.5	41	40	-3	SE	1	b	1	b	46	37	-	
	Brussels (9 a.m.)	?	?	?	?	?	30.02	-1.3	47	39	-2	SE	1	b	#	b	62	36	-	
	Cape Gris Nez	30.02	52	ENE	2	b	?	?	47	44	+2	ESE	1	b	1	b	64	48	-	
	Paris ...	30.03	60	NE	2	b	30.02	-0.9	37	35	3	NNE	1	b	#	b	66	32	-	
	Brest ...	?	56	NNE	1	b	?	?	48	43	0	E	1	b	2	b	64	41	-	
PENINSULA.	Lorient ...	29.95	58	SE	3	b	29.98	+0.5	46	43	0	E	3	b	2	b	61	45	-	
	Roche fort ...	29.90	62	SSE	3	b	29.95	+0.4	44	41	0	SE	4	b	#	b	72	41	-	
	Belfort ...	?	55	NE	1	b	?	?	36	34	+2	ENE	1	m	#	b	61	28	-	
	Lyons ...	30.01	55	SW	1	o	30.01	-1.4	44	38	+1	N	1	b	#	o	64	39	-	
	Nice ...	30.10	47	ENE	4	o	29.98	-1.7	47	38	+1	E	4	o	5	o	52	43	-	
	Perpignan ...	30.02	50	E	2	r	29.96	-0.8	48	48	0	NE	2	r	#	r	51	48	1.50	
	Biarritz ...	29.82	64	S	3	o	29.83	0.0	47	45	-3	SE	4	c	2	o	68	45	-	
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-	
	Lisbon ...	29.64	?	ENE	4	o	29.73	+2.5	58	56	-1	E	4	b	#	o	66	55	0.08	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 30th March, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

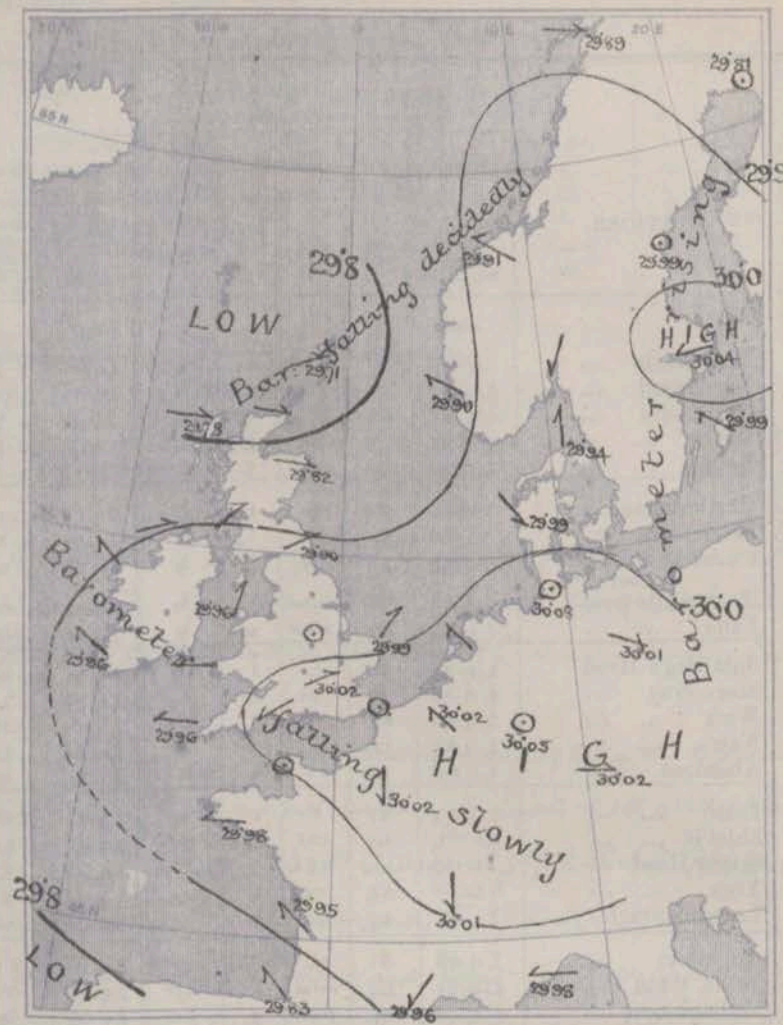
at 8.0 a.m. for the month of March.

During the 20 Years, 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.937
Pembroke	29.929
Sally	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

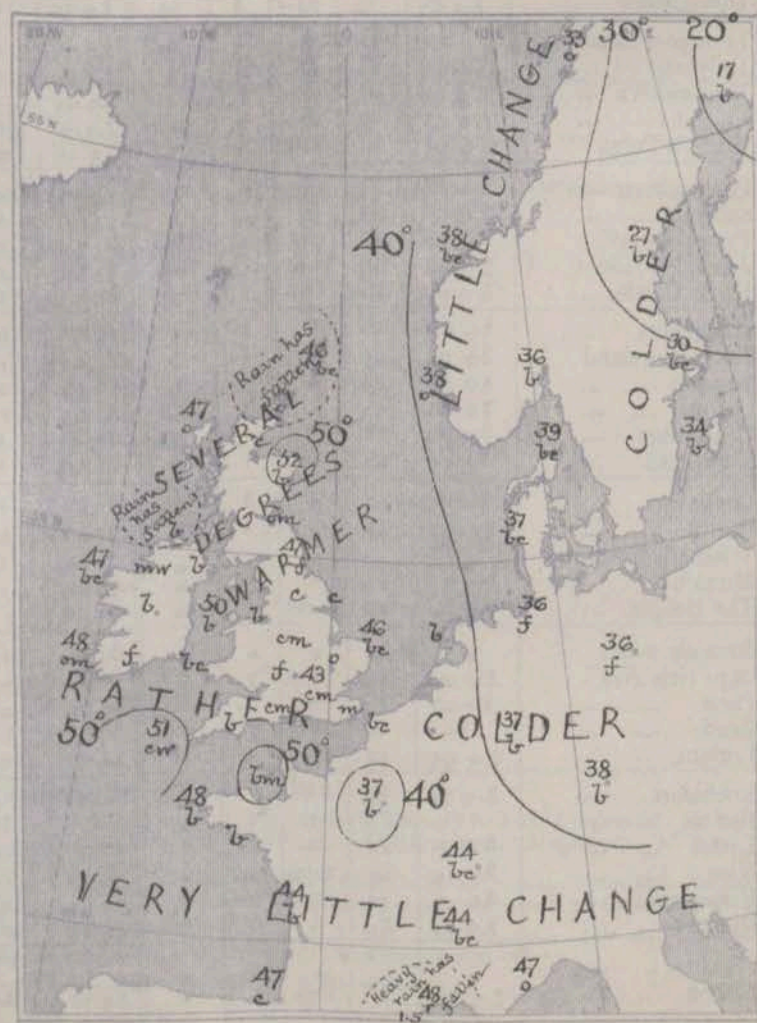
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.6	33.9	38.3	36.9	2.70
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.9	39.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.6	37.7	1.41
Shields	45.0	33.2	39.4	37.8	1.75
Spurn Head	43.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.6	37.0	1.73
Loughborough	49.5	34.2	39.0	37.3	1.64
Ardrossan	46.8	36.3	40.1	38.5	2.14
Mullaghmore	47.0	38.4	41.9	40.2	2.87
Donaghadee	47.2	37.1	40.8	39.5	2.06
Holyhead	47.2	38.9	42.0	40.5	2.27
Liverpool	47.0	36.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.9	42.8	4.26
Roche's Point	49.7	39.6	43.3	41.6	9.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	49.6	42.5	46.0	44.2	2.46
Prawle Point	48.1	37.7	42.6	41.2	1.96
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.83
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	38.4	40.1	38.9	1.49
Oxford	49.0	31.9	38.9	37.4	1.59
Cambridge	50.2	33.0	38.6	37.5	1.40
Yarmouth	45.2	31.0	40.2	38.0	1.89

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and upwards over Germany, the Netherlands, the northeast of France, and the southeastern parts of England, as well as in another area lying over the South of Sweden.

Lowest, 29.8 ins: and less, in a shallow depression lying off the north of Scotland and also in another system over Portugal.

Gradients slight. Barometer falling generally, but rising in Sweden, as well as over Spain and the Bay of Biscay.

TEMPERATURE

Highest, (1) 58° at Kielce, 54° at Jersey, 51° at Bally and 48° at Valencia (Ireland) and Bristol Point; (2) 52° at Aberdeen and 48° at Louth.

Lowest, 17° at Havana, 27° at Helsingfors, 30° at Stockholm, 33° at Rode, 34° at Viborg, and 36° at Gander, Copenhagen, and Berlin.

During yesterday the thermometer rose to 65° or more over the inland parts of England; at Cambridge it reached 70°.

WIND

Light from the End or SEnd over the greater part of England, France, and the Netherlands.

W^{ly} or SW^{ly} in the north of our Islands; SE^{ly} in the coast of Norway.

Calm or Variable in Sweden and Denmark; W^{ly} or NW^{ly} in Germany.

WEATHER

Fine over the greater part of Western Europe, but with mist or fog at several of the English and Irish stations. A Solar halo is reported at Oxford.

Dull in the west and north of Scotland and also in the extreme south of France, with rain at Perpignan.

A little rain has fallen in the extreme northern parts of Ireland and Scotland, and a large quantity (1.5 ins: at Perpignan); elsewhere the weather has remained exceedingly dry. Lunar halos were seen last night in many parts of the United Kingdom.

SEA

Smooth on all our own coasts, but rather rough at times.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression off the north of Scotland seems likely to occasion rain at several of our northern stations, but in the southern parts of the Kingdom the weather will probably remain fair and dry for the present.

FORECASTS

For the 24 hours ending at NOON on 31st March 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W ^{ly} to SW ^{ly} winds, moderate; cloudy, showery.	6 SCOTLAND WEST	Same as N°2.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	SW ^{ly} winds, light, fair to cloudy and showery.	8 ENGLAND S.W.	E ^{ly} to S ^{ly} winds, light, fair generally.
3 ENGLAND EAST	Variable breezes, finally SW ^{ly} ; fair generally.	9 IRELAND NORTH	SE ^{ly} to S ^{ly} winds, light or moderate; fair to cloudy and showery.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	NONE ISSUED.

Note—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.12	47	43	W	4	bc	2	Valencia ...	29.95	63	57	SE	4	bc	4
Stamburgh Head ...	30.03	45	43	E	1	b	2	Seilly ...	29.96	54	51	E	4	c	2
Stornoway ...	29.93	49	44	SE	2	c	2	Jersey ...	30.02	61	51	SE	2	bm	2
Aberdeen ...	30.02	47	42	G	3	cm	3	Hurst Castle ...	30.06	58	53	SE	1	b	2
Shields ...	30.08	48	45	ESE	3	cm	3	Dungeness ...	30.06	53	48	E	3	m	2
Ardrossan ...	29.99	56	48	SW	1	cm	0	North Foreland ...	30.07	50	45	E	2	b	3
Malin Head ...	29.89	60	51	SE	5	c	1	London (Westminster) ...	30.05	63	51	SE	3	bm	3
Mullaghmore ...	29.95	62	52	SE	5	bc	3	Yarmouth ...	30.12	48	45	SE	3	b	3
Behmullet ...	29.94	57	54	SSW	2	b	3	Rochefort ...	29.91	66	58	SE	4	b	3
Holyhead ...	30.02	54	50	W	0	c	0								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Italy, southeastern and central Europe, as well as the North Sea and Great Britain, fair over northern Europe also, except over central and southern Russia, as well as over the Iberian Peninsula and Algeria, rainy in many parts of Spain. Heavy rain at Perpignan during day, and slight showers at our extreme northern stations; weather fine elsewhere, but hazy halos seen in many parts of the United Kingdom.

Temperature risen in most places, but fallen over northern Europe. Morning readings 63° at Algiers, 62° at Ann, 50° and more on the Spanish coast, and in the southwest and west of our Islands; below 50° elsewhere (even over Italy) and lowest of all 12° to 26° over the greater part of Russia, 33° to 39° over the greater part of Central Europe, and the eastern and central parts of Great Britain, 39° at Florence, 40° at Paris. Rising later to between 65° and 70° over our inland countries, to between 60° and 65° over Ireland and the greater part of France to 68° at Biarritz and 72° at Rochefort. Night again cold over Great Britain and France.

Wind very light and anticyclonic over the eastern half of the Mediterranean, southeastern and central Europe the North Sea and countries adjacent thereto; E^{ly} and SE^{ly} on the Atlantic coast of Europe and the United Kingdom, but N^{ly} and NW^{ly} over all countries lying to the eastward of the North Sea — force moderate or light everywhere. Shifting to the SW^{ly} over the northern parts of the British Islands later.

Barometer highest 30.2 in: and more over Italy and Sicily, and exceeding 30.0 in: over nearly the whole of southeastern, central and northwestern Europe. Lowest (1) 29.4 in: and less, in a shallow depression having its centre over the White Sea, and below 29.7 in: over the southern half of Russia; (2) 29.6 in: to 29.5 in: and less, in another system over the western part of Spain, and the adjacent portions of the Atlantic. Falling rather decidedly over our northern and northeastern districts, but inclined to rise over the Spanish Peninsula.

NOTICE. The Report for tomorrow (Good Friday) will be issued on Monday the 3rd April.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 31st March.

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirce.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirce.	Force (0 to 12).		Max.	Min.	
SCANDINAVIA.		Ina.	°				Ina.	°	°	°							°	Ina.			
Haparanda ...		29.82	23	Z	0	bc	29.88	+0.07	18	18	+	1	SW	2	bc	#	bc	32	1	—	
Hernösand ...		29.47	29	NW	2	b	29.44	-0.05	27	25	+	0	S	2	u	#	bc	47	21	—	
Stockholm ...		29.97	29	S	2	b	29.44	-1.10	34	30	+	4	S	2	u	#	bc	43	20	—	
Wisby ...		29.47	29	SSW	4	b	29.49	-0.03	36	32	+	2	S	4	u	#	bc	41	27	—	
Bodö ...		29.52	32	SW	1	c	29.70	-1.19	3	25	—	3	E	2	bc	#	bc	37	27	—	
Christiansund...		29.72	29	NNE	1	b	29.66	-0.25	40	37	+	2	SE	1	c	2	bc	43	36	—	
Skudesnaes ...		29.75	41	SSW	3	u	29.76	-0.14	39	35	+	1	SSW	3	u	2	o	42	30	—	
Christiania Fjord (Færdar)		29.88	36	S	3	f	29.81	-0.16	36	36	—	0	ENE	4	u	2	f	41	36	—	
Skagen (The Scaw)		29.91	37	SW	1	f	29.75	-0.19	38	36	—	1	S	1	bc	0	f	45	37	0.04	
Fanö ...		29.57	40	SW	3	bc	29.82	-0.16	41	40	+	4	SW	2	c	#	bc	46	28	—	
Sumburgh Head		29.64	46	WSW	2	u	29.47	-0.24	45	44	—	1	S	3	u	3	u	50	41	0.01	
Stornoway ...		29.68	50	SW	4	m	29.35	-0.40	41	46	—	0	SW	7	r	6	m	50	44	0.02	
Wick ...		29.68	48	W	1	u	29.51	-0.23	46	44	—	1	SW	1	u	0	u	54	41	—	
Nairn ...		29.69	50	Z	0	c	29.81	-0.29	49	47	+	2	SSW	1	c	1	c	54	37	—	
Aberdeen ...		29.71	49	SSW	1	c	29.55	-0.24	46	43	—	6	S	2	og	1	c	57	29	—	
Leith ...		29.75	48	W	1	c	29.68	-0.24	48	45	—	0	S	2	om	#	c	59	39	—	
Shields ...		29.80	58	W	2	c	29.70	-0.20	48	45	+	1	SW	3	c	2	c	64	40	—	
Spurn Head ...		29.82	48	Z	0	cm	29.78	-0.15	49	46	+	4	SSW	3	c	2	c	58	41	—	
York ...		29.84	59	W	1	b	29.77	-0.18	46	46	+	6	SSW	1	bc	#	bc	65	38	—	
Loughborough		29.86	59	SW	1	c	29.82	-0.16	51	46	+	11	SSW	3	cur	#	c	68	33	—	
Ardrossan ...		29.76	48	Z	0	c	29.61	-0.28	46	45	+	1	S	3	om	2	cm	50	41	—	
Malin Head ...		29.74	47	NNE	1	u	29.51	-0.39	48	46	+	3	S	3	u	2	u	54	45	—	
Mullaghmore ...		29.75	52	SEW	4	c	29.53	-0.40	49	47	+	3	S	6	og	4	c	57	45	—	
Behnullet ...		29.74	50	SSW	5	c	29.52	-0.38	47	46	—	0	WNW	3	u	#	c	58	46	0.03	
Donaghadee ...		29.79	47	SSW	3	bc	29.66	-0.28	46	45	—	0	SW	5	bc	3	bc	56	44	—	
Liverpool (Bldston)		29.87	54	WNW	1	b	29.77	-0.20	47	44	—	5	SSW	1	bc	1	b	58	41	—	
Holyhead ...		29.85	49	SSW	3	b	29.74	-0.22	47	46	—	3	SSW	4	cg	3	b	55	45	—	
Parsonstown ...		29.78	54	SE	1	bc	29.66	-0.29	48	46	+	4	SE	1	u	#	bc	62	43	—	
Valencia ...		29.85	50	S	3	om	29.65	-0.31	51	49	+	3	S	4	ug	5	om	53	47	0.01	
Roche's Point		29.86	50	SSW	3	bc	29.71	-0.25	50	48	+	5	SW	4	c	4	bc	53	45	—	
Pembroke (St. Ann's Hd.)		29.90	49	SSW	1	b	29.79	-0.19	48	47	+	2	S	3	bcw	3	b	52	45	—	
Scilly ...		29.92	52	SE	3	b	29.82	-0.14	51	51	—	0	S	3	cur	3	b	59	48	—	
Prawle Point ...		29.93	53	NW	1	b	29.86	-0.14	52	48	+	4	SE	1	bcw	0	b	60	46	—	
Jersey (St. Aubin's)		29.47	62	ESE	1	bm	29.45	-0.05	52	48	—	4	E	1	bm	1	bm	63	39	—	
Hurst Castle ...		29.93	51	SW	2	m	29.88	-0.13	45	44	+	2	ENE	2	m	1	m	60	36	—	
Dungeness ...		29.92	51	Z	0	c	29.88	-0.11	48	46	+	4	SW	2	b	0	c	58	35	—	
North Foreland		29.89	50	S	2	c	29.84	-0.14	51	47	—	3	WSW	1	bm	2	c	59	44	—	
London ...		29.89	58	SW	2	b	29.88	-0.14	50	44	+	7	WSW	2	bc	#	b	67	36	—	
Oxford ...		29.88	53	SW	2	b	29.87	-0.14	44	41	+	5	S	1	f	#	b	67	36	—	
Cambridge ...		29.88	54	WSW	1	b	29.87	-0.13	47	42	+	5	SSW	1	c	#	b	67	34	—	
Yarmouth ...		29.89	50	SSW	3	bc	29.85	-0.14	47	44	+	1	W	2	bm	2	bc	59	40	—	
Cuxhaven ...		29.97	42	E	1	c	29.90	-0.18	42	40	+	6	SW	2	m	#	c	46	41	—	
Berlin ...		29.47	42	Z	0	b	29.45	-0.06	36	35	—	0	Z	0	c	#	b	48	32	—	
Wiesbaden ...		29.45	42	NE	3	b	29.45	-0.10	39	35	+	2	W	0	b	#	#	39	34	—	
Munich ...		29.43	44	NE	3	b	29.46	-0.06	36	34	—	2	SW	2	b	#	b	55	30	—	
The Helder ...		29.44	46	WSW	1	b	29.40	-0.18	46	42	+	5	SW	2	b	#	b	54	36	—	
Brussels (3 a.m.)		29.43	46	WSW	1	b	29.43	-0.09	46	41	—	1	WSW	1	b	#	b	64	34	—	
Cape Gris Nez		29.41	52	E	1	bc	29.37	-0.09	44	42	—	3	SSW	2	b	#	bc	59	43	—	
Paris ...		29.41	58	NE	2	b	29.43	-0.09	37	35	—	0	NNE	1	b	#	b	71	33	—	
Brest ...		29.41	58	NNW	1	b	29.41	-0.09	47	43	—	1	E	3	c	2	b	66	43	—	
Lorient ...		29.40	53	NW	2	bc	29.39	-0.09	47	43	+	1	E	3	b	2	bc	59	45	—	
Rocheport ...		29.87	64	ESE	2	b	29.88	-0.07	46	44	+	2	E	2	b	#	b	45	43	—	
Belfort ...		29.87	64	ESE	2	b	29.88	-0.07	46	44	+	2	E	2	b	#	b	45	43	—	
Lyons ...		29.42	47	E	2	r	29.41	-0.07	46	44	—	1	ENE	3	r	#	r	54	45	0.16	
Nice ...		29.42	47	E	2	r	29.41	-0.07	46	44	—	1	ENE	3	r	#	r	54	45	0.16	
Perpignan ...		29.43	47	ENE	2	o	29.43	-0.04	49	48	+	1	NE	2	u	#	o	51	47	0.25	
Biarritz ...		29.49	64	NE	4	b	29.82	-0.01	46	44	—	1	ENE	4	c	#	b	64	45	—	
Corunna ...		29.83	60	NNW	3	b	29.84	+0.05	57	54	+	2	SE	2	u	#	#	54	50	—	
Lisbon ...		29.83	60	NNW	3	b	29.85	+0.15	59	56	+	1	WSW	3	b	#	bc	66	57	—	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 31st March 1893

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

forces above 10 — forces 8 to 10.
forces 5 to 7 — forces 1 to 4.
— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

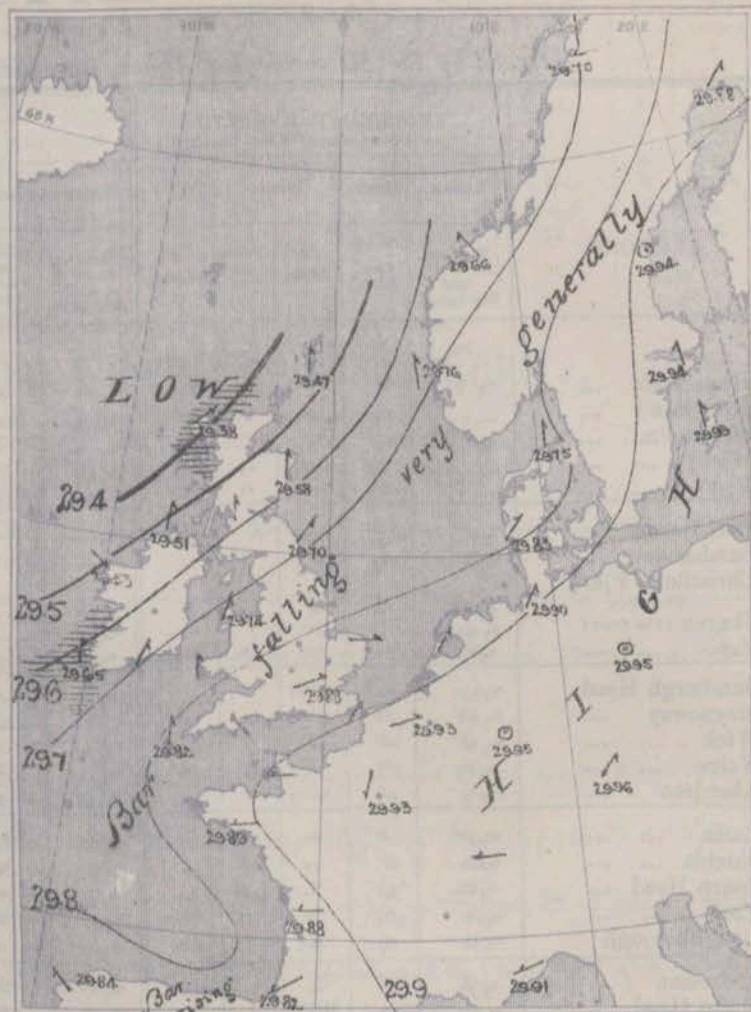
at 8 a.m. for the month of March.

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.872
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.923
Valencia	29.925
Roche's Point	29.947
Pembroke	29.929
Solly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
LONDON	29.950
Oxford	29.931
Cambridge	29.911
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

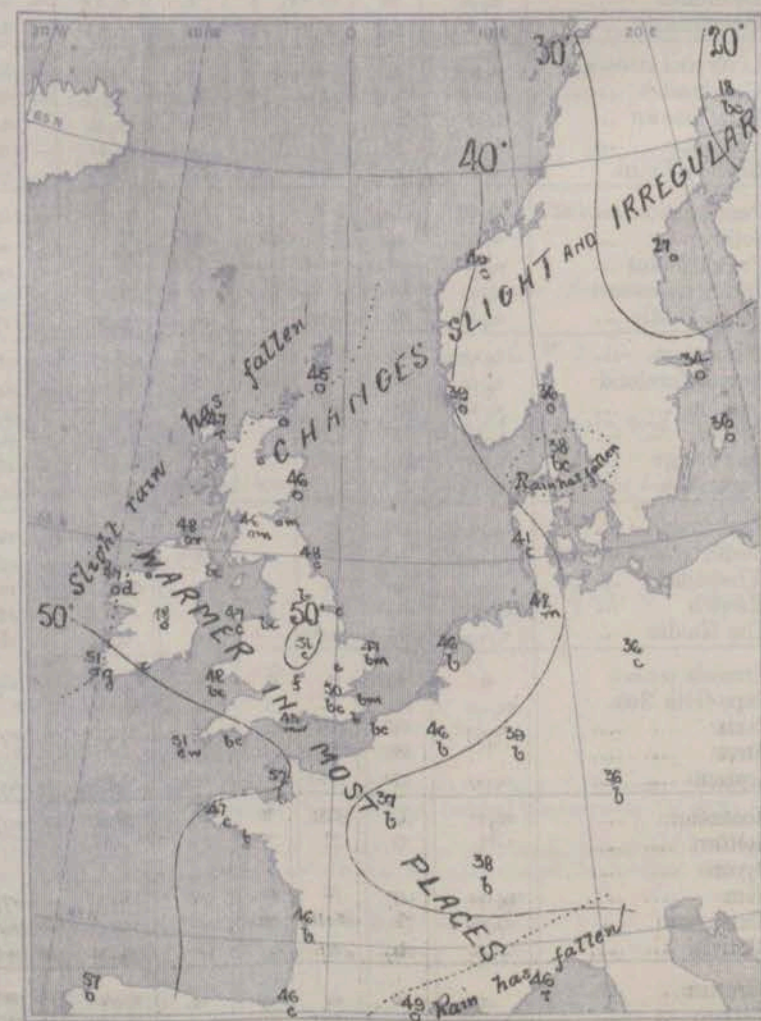
MEANS OF TEMPERATURE IN SHADE,

AND RAINFALL

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.6	32.9	38.3	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	3.79
Wick.....	44.8	34.0	39.0	37.2	2.02
Nairn.....	45.6	33.9	38.0	36.2	1.88
Aberdeen.....	45.1	34.4	38.5	36.5	2.33
Leith.....	47.0	34.6	39.5	37.7	1.41
Shields.....	45.0	35.2	39.4	37.8	1.75
Spurn Head.....	44.7	36.5	39.7	38.4	1.22
York.....	48.1	34.0	38.5	37.0	1.73
Loughborough.....	49.5	34.2	39.0	37.3	1.64
Ardrossan.....	46.3	36.3	40.1	38.5	2.14
Mullaghmore.....	47.9	38.4	41.9	40.2	2.87
Donaghadee.....	47.2	37.1	40.8	39.5	2.05
Holyhead.....	47.2	38.9	42.0	40.5	2.27
Liverpool.....	47.0	36.8	40.3	38.2	1.72
Parsonstown.....	49.8	35.0	40.4	38.8	2.33
Valencia.....	51.1	40.2	44.9	42.8	4.20
Roche's Point.....	49.7	39.6	43.3	41.5	3.71
Pembroke.....	46.0	39.1	42.1	40.3	2.40
Sally.....	49.5	42.5	43.0	44.2	2.40
Prawle Point.....	48.1	37.7	42.0	41.2	1.05
Jersey.....	49.5	39.0	44.0	42.0	2.22
Hurst Castle.....	47.8	37.2	41.0	40.1	1.83
Dover.....	46.4	36.0	40.7	39.2	0.83
LONDON.....	50.0	35.4	40.3	38.2	1.44
Oxford.....	49.0	34.5	38.0	37.4	1.60
Cambridge.....	49.2	33.8	38.0	37.3	1.10
Yarmouth.....	45.2	34.0	40.2	38.6	1.82

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in. and upwards, over France, Germany, Sweden, and the Baltic.

Lowest, 29.4 in. and less, in a depression lying off the northwest of Scotland.

Gradient slight. Barometer falling generally, most in the east and north of our Islands, but fall checked at Valence (Ireland).

TEMPERATURE

Highest, 53° at Lisbon, 47° at Florence, 52° at Chaux Port and Jersey, and 51° at Loughborough, Valence (Ireland), and Sally.

Lowest, 18° at Naparanda, 27° at Hornsund, 30° at Kiso, 34° at Stockholm, and 36° at Vicks, Varsen, Berlin, and Munich.

During yesterday the thermometer over the island parts of England rose to between 65° and 68°.

WIND

S¹ or SW¹ over our Islands, Denmark, and the Netherlands, light or moderate in force in most places, but strong on our extreme northwest coasts.

Variable over Germany and Central France, light from the E.¹ in the east and south of France.

WEATHER

Bell over the greater part of Ireland, Scotland and Scandinavia, with rain at Lomoway and Malin Head.

Fine over England, France, Germany, and the Netherlands, but with fog or haze at several of our own stations.

Since yesterday morning slight rain has fallen in the extreme north of Scotland and also in the west of Ireland, in other parts of the Kingdom the weather has remained exceedingly dry.

SEA

Moderate to smooth generally, but rough at Lomoway and rather rough at Valence (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 1st April.

1893.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

None issued

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

WARNINGS

None issued

None issued

Note.—The South Cone, point downwards (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Mudesnaes ...	29.14	42	39	SSE	6	r	3	Valencia ...	29.40	51	48	S	3	chs	3
Sumburgh Head ...	29.65	47	46	WSW	1	o	2	Scilly ...	29.44	54	55	SE	3	b	3
Stornoway ...	29.72	51	44	W	2	m	3	Jersey ...	29.47	62	53	ESE	1	b	1
Aberdeen ...	29.76	54	46	SSW	2	b	1	Hurst Castle ...	29.46	59	53	F	3	m	1
Shields ...	29.84	65	55	WSW	3	c	2	Dungeness ...	29.46	51	48	SW	1	m	0
Ardrossan ...	29.84	44	47	S	1	c	0	North Foreland ...	29.44	54	56	S	2	e	2
Malin Head ...	29.89	51	48	NW	1	o	0	London ...	29.43	61	53	SW	2	bcm	*
Mullaghmore ...	29.82	52	48	SSW	3	cm	2	Yarmouth ...	29.42	53	47	S	3	bc	3
Belmullet ...	29.51	54	51	SW	2	bc	#	Rocheport ...	29.42	71	58	NE	3	b	*
Holyhead ...	29.42	54	50	SSW	2	b	1								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning very fine over Scandinavia, Denmark, the North Sea, England, and Central Europe, dull elsewhere, with rain in the southern parts both of Spain and of France, snow at Petersburg and Moscow. Much rain in the southwest of France and at Nimours later, and slight showers at some of our western and northern stations; slight snow at some Russian stations.

Temperature risen in north of our Islands, fallen over northern Russia. Morning readings exceeding 50° on African and Spanish coasts and at Aberdeen; lower elsewhere, but above 40° over the British Isles and north and west of France. Lowest 4° F. at Archangel, 9 at Kuopio, 17° at Haparanda, and below 30° in nearly all parts of Russia — below 40° over Germany. Rising later to between 60° and 69° over Great Britain and Italy, and to 70° and more over the southwest of France and in Algeria.

Wind — light and anticyclonic almost everywhere — but fresh NE⁴ over southern Europe, E⁴ and SE³ in the west; W⁴ over Scotland and extreme northern Europe, (SE³ in the west of Norway) NW³ to N³ over Ireland and Russia. No decided or general change later.

Barometer highest 30.0 ins. and more to 29.8 ins. in a large anticyclone covering western and central Europe — the centre area being over France and Germany. Lowest 29.4 ins. and less, over the northeast of Russia, 29.8 ins. and less, over Algeria and Tunis, and also over the Shetlands and north of Scotland. Falling over the United Kingdom and western Europe later, rising over Russia — rapidly at the Central stations.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 "

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS			
DATE.	STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETRIC.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).			Max.	Min.			
1	Sumburgh Head	29.50	37	W	3	bc	29.60	+0.28	37	35	- 3	SSE	1	b	3	bc	41	33	0.01	
"	Corunna	"	"	"	"	"	30.16	+0.15	62	57	+ 7	SSW	7	o	2	"	62	54	"	
"	Sumburgh Hd 2pm	"	"	"	"	"	29.49	"	42	39	"	SSE	3	c	5	"	"	"	"	
2	Sumburgh Hd	29.42	40	SE	4	o	29.67	+0.07	41	38	+ 4	NE	2	o	5	o	44	36	"	
"	Corunna	"	"	"	"	"	30.36	+0.20	60	54	- 2	SE	1	bc	2	"	63	52	0.24	
"	Sumburgh Hd 2pm	"	"	"	"	"	29.88	"	42	37	"	NE	3	b	5	"	"	"	"	
3	Sumburgh Hd	30.01	37	NE	2	b	30.17	+0.50	39	36	- 2	SE	4	o	4	b	43	33	"	
"	Lyon's	30.29	52	E	1	o	30.28	-0.04	46	"	- 2	W	1	o	"	o	60	45	"	
"	Corunna	"	"	"	"	"	29.98	-0.38	57	52	- 3	SE	1	b	1	"	63	48	"	
"	Sumburgh Hd 2pm	"	"	"	"	"	30.02	"	42	39	"	SSE	5	o	5	"	"	"	"	
4	Sumburgh Hd	29.82	41	SSE	6	o	29.47	-0.70	45	44	+ 6	WSW	4	o	5	o	45	39	0.19	
"	Corunna	"	"	"	"	"	30.28	+0.30	54	50	- 3	NW	5	bc	2	"	64	48	0.04	
6	Corunna	"	"	"	"	"	30.34	"	54	48	"	NE	5	b	3	"	57	50	"	
7	Brussels	"	"	"	"	"	30.35	+0.10	38	"	- 6	SSW	1	f	"	o	46	37	"	
"	Corunna	"	"	"	"	"	30.23	-0.11	53	50	- 1	NE	5	c	3	"	57	48	"	
8	Corunna	"	"	"	"	"	30.17	-0.06	55	50	+ 2	ESE	2	b	2	"	55	46	"	
9	Belfort	"	47	SW	1	c	"	"	36	"	- 5	E	1	m	"	c	54	31	"	
10	Belfort	"	50	W	1	o	"	"	40	"	+ 4	W	1	o	"	c	59	"	"	
"	Corunna	"	"	"	"	"	30.10	"	53	49	"	SE	3	b	1	"	64	39	"	
11	Brussels	"	"	"	"	"	30.40	+0.20	37	"	- 5	SW	1	c	"	o	49	34	"	
"	Belfort	"	43	NW	1	bc	"	"	30	"	- 10	SW	1	bc	"	bc	52	28	"	
"	Corunna	"	"	"	"	"	29.98	-0.12	59	51	+ 6	ESE	4	c	3	"	63	46	"	
13	Corunna	"	"	"	"	"	29.76	-0.10	55	53	- 10	NE	4	b	2	"	68	52	0.39	
14	Corunna	"	"	"	"	"	29.97	+0.21	55	51	0	W	4	c	3	"	61	48	"	
15	Corunna	"	"	"	"	"	30.04	+0.07	53	50	- 2	NW	2	m	3	"	66	48	0.04	
16	Corunna	"	"	"	"	"	29.91	-0.13	55	"	+ 2	N	1	m	1	"	57	48	"	
17	Corunna	"	"	"	"	"	29.97	+0.06	57	54	+ 7	ENE	3	o	4	"	61	54	"	
18	Corunna	"	"	"	"	"	30.04	+0.07	57	51	0	E	4	bc	3	"	63	52	"	
20	Corunna	"	"	"	"	"	29.94	"	57	53	"	E	1	bc	1	"	64	50	"	
21	Belfort	"	44	E	4	bc	"	"	37	"	+ 1	ENE	3	b	"	bc	47	33	"	
"	Corunna	"	"	"	"	"	29.97	+0.03	60	56	+ 3	S	1	b	1	"	64	54	"	
22	Perpignan	30.18	54	NE	1	b	30.19	-0.05	52	"	+ 10	NW	2	b	"	b	69	36	"	
"	Corunna	"	"	"	"	"	30.01	+0.04	65	54	+ 5	SE	3	o	2	"	66	50	0.43	
23	Perpignan	30.17	52	E	2	b	30.27	+0.08	46	"	- 6	W	2	o	"	b	60	37	"	
"	Corunna	"	"	"	"	"	30.20	+0.19	54	52	- 11	NE	3	o	3	"	65	50	"	
24	Perpignan	30.24	52	E	2	b	30.21	-0.06	53	"	+ 7	NNE	2	o	"	b	61	40	"	
"	Corunna	"	"	"	"	"	30.27	+0.07	53	51	- 1	N	3	o	3	"	55	50	"	
25	Perpignan	30.15	65	NW	3	b	30.17	-0.04	55	"	+ 2	NW	2	b	"	b	73	52	"	
"	Corunna	"	"	"	"	"	30.10	-0.17	58	56	+ 5	NNE	3	b	2	"	61	50	"	
28	Corunna	"	"	"	"	"	29.65	"	60	51	"	S	3	"	2	"	68	52	"	
29	Corunna	"	"	"	"	"	29.69	-0.05	60	52	0	SSE	4	o	1	"	66	54	0.08	
30	Corunna	"	"	"	"	"	29.79	+0.19	55	51	- 5	NE	3	b	1	"	70	46	"	
31	Lyon's	29.90	54	ESE	1	o	29.92	-0.09	47	"	+ 3	S	1	o	"	o	63	44	"	

2. CORRECTIONS.

[illegible]