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METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

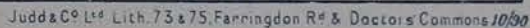
1ST JANUARY—30TH JUNE,

1891.

Loc. Reg. Lond.

26.4.92

January to June 1891.



DAILY WEATHER REPORT.

for Sunday 1st March 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.39	31	SW	6	bc	28.88	- .92	32	32	+ 3	SW	8	o	*	34	25	-
	Hernösand ...	29.50	39	SSW	6	v	29.25	- .73	41	41	+ 11	WSW	6	b	*	43	28	-
	Stockholm ...	29.93	32	SSW	4	b	29.82	- .77	36	34	+ 5	WSW	2	o	*	31	27	-
	Wisby ...	30.12	38	SSW	6	b	29.71	- .72	36	34	+ 5	WSW	4	r	*	37	28	0.04
	Bodö ...	28.97	40	SW	6	o	28.97	- .46	31	29	- 12	W	6	c	3	45	28	-
	Christiansund	29.08	48	SW	9	o	29.28	- .43	40	39	- 6	SW	3	o	6	48	37	0.08
	Skudesnaes ...	29.62	43	SSE	8	r	29.66	- .41	43	42	+ 4	WSW	4	o	5	43	37	0.28
	Christiania Fjord (Færd)	29.75	39	SSW	5	bc	29.58	- .63	40	38	+ 3	WSW	5	c	4	?	37	-
	Skagen (The Scaw).	29.87	37	SW	5	b	29.69	- .55	39	39	+ 4	NW	5	o	3	41	35	-
	Fanö ...	30.01	35	SW	4	b	29.91	- .39	37	37	+ 7	WSW	4	c	*	37	30	-
BRITISH ISLANDS.	Sumburgh Head	29.34	44	NNW	5	c	29.38	- .34	48	47	+ 5	W	5	o	6	48	43	0.54
	Stornoway ...	29.64	45	W	6	c	29.62	- .09	50	49	+ 6	W	6	e	6	50	40	0.15
	Wick ...	29.58	41	SW	7	c	29.60	- .18	50	48	+ 7	W	5	b	4	50	38	-
	Nairn ...	29.66	47	WSW	4	c	29.68	- .16	54	50	+ 11	SSW	3	bc	3	54	42	0.08
	Aberdeen ...	29.70	43	SSW	3	bc	29.70	- .26	58	51	+ 19	SW	4	bg	3	58	38	-
	Leith ...	29.74	46	W	5	bc	29.87	- .19	52	50	+ 13	W	6	bc	*	53	37	-
	Shields ...	29.98	50	SW	4	c	29.92	- .22	51	48	+ 12	SW	5	cp	2	55	35	-
	Spurn Head ...	30.10	47	SW	3	c	30.09	- .14	45	44	+ 5	WSW	3	c	3	57	39	-
	York ...	30.00	48	W	1	o	30.08	- .15	49	48	+ 17	W	3	o	*	56	30	0.07
	Loughborough	30.17	55	WSW	3	o	30.18	- .11	46	44	+ 18	WSW	2	c	*	63	28	-
GERMANY & HOLLAND.	Ardrossan ...	29.95	45	SW	6	r	29.95	- .15	49	48	+ 6	SW	4	o	4	49	43	0.20
	Malin Head ...	29.94	46	WSW	6	o	29.94	- .11	48	47	+ 5	WSW	6	og	3	49	43	0.01
	Mullaghmore ...	30.04	48	SW	7	r	30.08	- .06	51	50	+ 8	SW	6	om	5	51	42	0.12
	Belmullet ...	30.05	48	WSW	6	o	30.11	- .02	49	49	+ 3	SW	3	om	*	49	45	0.31
	Donaghadee ...	30.05	48	W	3	o	30.04	- .13	51	50	+ 14	W	3	c	2	51	37	0.03
	Liverpool (Bidston)	30.15	47	SW	3	o	30.16	- .08	48	47	+ 8	W	2	o	3	56	40	-
	Holyhead ...	30.17	46	WSW	4	o	30.19	- .04	47	47	+ 4	WSW	3	ogm	2	48	32	-
	Parsonstown ...	30.20	48	Z	0	r	30.22	- .03	49	49	+ 13	SW	2	r	*	50	35	0.02
	Valencia ...	30.26	51	WSW	2	o	30.30	+ .01	51	50	+ 7	WSW	4	omd	5	52	42	0.03
	Roche's Point...	30.26	48	WSW	4	o	30.29	- .01	51	49	+ 13	NNW	3	c	3	51	38	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.26	45	WSW	2	c	30.28	- .00	46	46	+ 6	WSW	3	om	3	50	40	-
	Scilly ...	30.28	48	W	2	c	30.37	+ .11	49	48	+ 4	SW	4	c	4	53	45	-
	Prawle Point ...	30.30	47	NNW	1	b	30.36	+ .07	46	46	- 4	NNW	3	omg	2	57	42	-
	Jersey (St. Aubin's)	3	50	W	3	b	30.40	+ .12	44	43	+ 6	NNW	4	of	3	57	36	-
	Hurst Castle ...	30.28	46	WSW	3	bc	30.31	+ .01	43	42	+ 11	W	3	om	1	54	30	-
	Dungeness ...	30.26	45	NW	1	m	30.25	- .01	43	42	+ 12	W	3	cu	2	53	31	-
	London ...	30.24	48	SW	1	bcw	30.24	- .05	45	42	+ 15	SW	2	c	*	62	30	-
	Oxford ...	30.24	50	SW	2	o	30.25	- .06	45	44	+ 16	SW	3	c	*	64	24	-
	Cambridge ...	30.20	50	SW	1	o	30.19	- .11	45	43	+ 13	SW	1	b	*	65	28	-
	Yarmouth ...	30.16	49	S	1	b	30.15	- .11	45	42	+ 10	W	3	bcw	2	49	34	-
PENINSULA.	Cuxhaven ...	30.23	41	SSW	2	m	30.07	- .27	40	39	+ 9	WSW	3	m	*	45	31	-
	Berlin ...	30.27	37	S	3	b	30.15	- .27	33	32	+ 5	WSW	2	c	*	46	30	-
	Wiesbaden ...	*	*	*	*	*	30.30	- .04	31	30	- 1	E	1	b	*	46	28	-
	Munich ...	30.34	25	E	1	b	30.34	- .02	29	28	+ 13	W	3	b	*	30	16	-
	The Helder ...	30.18	41	SSW	1	b	30.13	- .14	41	39	+ 7	SW	2	c	3	45	32	-
	Brussels (S.M.L.)	*	*	*	*	*	30.27	- .01	41	38	+ 2	SW	4	o	*	57	37	-
	Cape Gris Nez	30.24	46	SSW	2	m	30.25	+ .01	42	41	+ 5	SSW	3	o	3	55	36	-
	Paris ...	30.29	51	WSW	1	b	30.37	+ .10	35	35	0	Z	0	b	*	62	28	-
	Brest ...	30.37	51	N	1	b	30.41	+ .10	44	44	0	N	3	o	3	50	37	-
	Lorient ...	30.31	48	Z	0	b	30.41	+ .16	40	39	- 1	Z	0	b	3	59	39	-
PENINSULA.	Rocheport ...	30.28	47	NW	3	b	30.39	+ .16	41	41	+ 1	N	2	b	2	59	28	-
	Belfort ...	?	36	W	1	b	?	?	30	?	+ 1	NNW	1	b	*	54	26	-
	Lyons ...	30.22	52	ENE	1	b	30.41	+ .06	35	34	+ 1	E	1	b	*	59	34	-
	Nice ...	30.31	48	SW	2	b	30.31	+ .03	42	35	- 1	E	2	b	1	61	41	-
	Perpignan ...	30.33	38	Z	0	b	30.35	+ .04	40	39	+ 1	SW	2	b	*	42	?	-
	Biarritz ...	30.25	55	ENE	3	bc	30.38	+ .20	52	49	+ 1	NW	3	o	2	63	40	-

WEATHER CHARTS

for 8 a.m. on 1st March, 1891.

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.

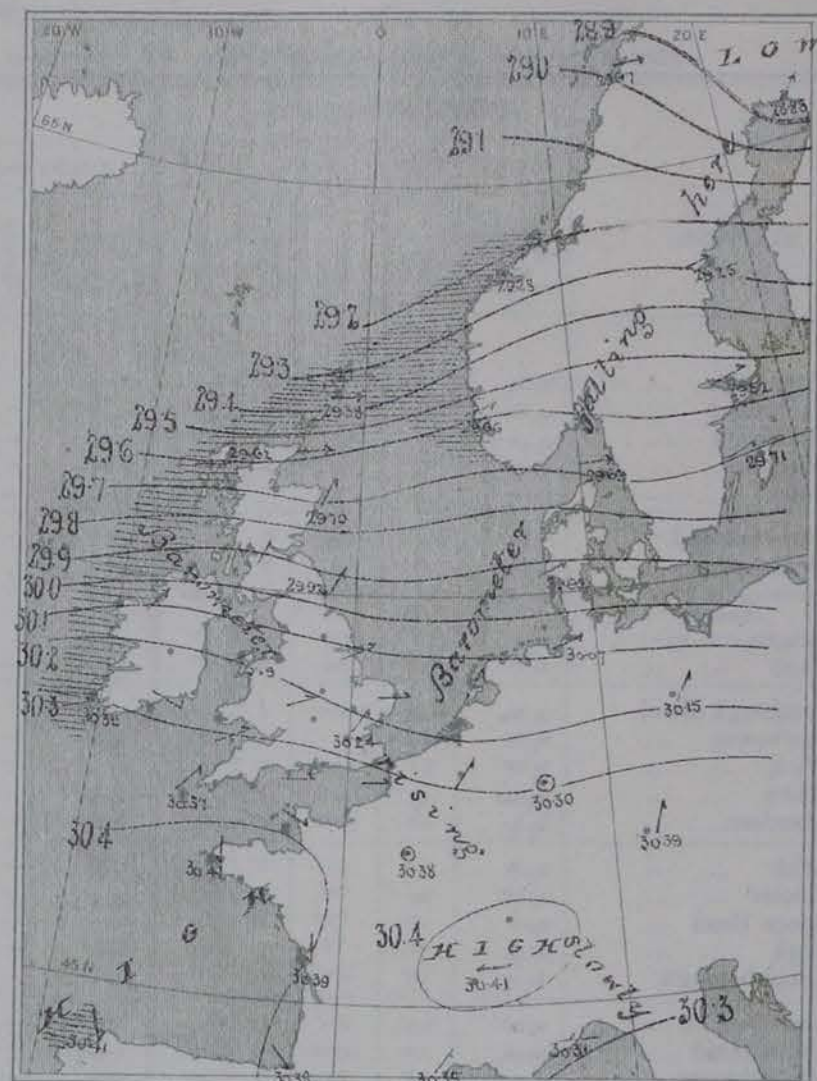
SEA DISTURBANCE—Where considerable, is shown thus:

— 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	29.874
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.920
Scilly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.933
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.

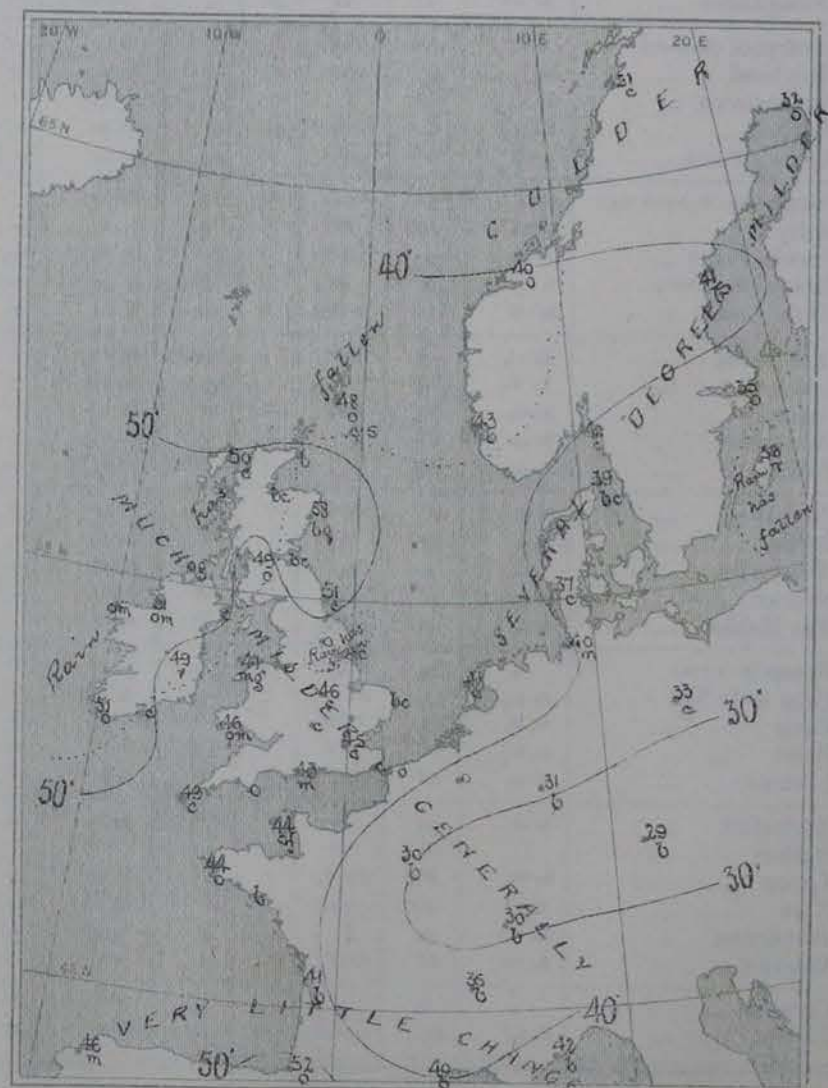
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	2.79
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	34.1	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	41.7	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	2.41
Mullaghmore	47.9	38.4	41.0	40.2	2.61
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	36.9	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	39.5	43.3	41.5	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	42.8	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	1.84
Dover	46.4	36.9	40.7	39.2	1.82
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	33.0	38.9	37.5	1.40
Yarmouth	45.2	34.0	40.2	38.3	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 30.3 in. over the Bay of Biscay, Spain, France, and North Germany.
 Lowest, 29.9 in. and less, over Lapland, 29.8 in. and less over the Shetlands Islands.
 Gradients rather steep over Northern Europe, moderate over Ireland, England, and the North Sea, very slight over the Bay of Biscay, southern and Central Europe.

TEMPERATURE

Highest, 58° at Aberdeen, 54° at Vaino, 52° at Lyth, 51° in the south of Ireland, 50° at Rosneath and Perth.
 Lowest (1) 28° at Munich, 30° at Belfast and Paris, 31° at Warbadon, 33° at Berlin, (2) 31° at Rostock, 32° at Haparanda, and 35° at Stockholm.
 The daily maxima recorded yesterday varied from 60° to 65° over England and touched 58° at Aberdeen.

WIND

W¹ over the United Kingdom, the North Sea and Norway. SW¹ in Sweden, fresh to strong in force at the northern stations, light to moderate in the south. Over the Peninsula and south of France it is light from N. and NW.
 A moderate gale from SW. has been felt in the northwest of Ireland in the night.

WEATHER

Fine and bright over France and Spain — changeable in our Islands, dull on many of our coasts and in Norway, with rain in some parts of Ireland. Rain has fallen at our northern and northwestern stations generally, but amounts have been slight except at Belmullet and Penzance. The sky looks somewhat unsettled even in the south of England.

SEA

Rough in the north and northwest, rather so at Valencia Island, moderate at Bally, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 2nd March 1891.

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

The SOUTH CONE was hoisted yesterday in districts 0 to 2, 6, 7, 9, 10 and part of 8.

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.

	THER: WIND								THER: WIND						
	BAR:	D.	W.	D.	F.	WEA.	SEA.		BAR:	D.	W.	D.	F.	WEA.	SEA.
Skudesnaes ...	29.85	43	41	SSE	8	om	5	Holyhead ...	30.19	47	45	SW	5	omg	3
Sumburgh Head ...	29.39	43	42	WSW	5	r	6	Valencia ...	30.25	52	49	SW	4	om	4
Stornoway ...	29.29	49	48	SW	6	r	6	Scilly ...	30.28	51	48	WNW	1	b	5
Aberdeen ...	29.75	47	41	SSW	7	cgm	5	Jersey ...	30.31	54	49	ESE	2	b	2
Shields ...	30.03	51	47	SW	4	o	2	Dungeness ...	30.25	50	48	E	2	f	0
Ardrossan ...	29.46	45	45	SW	6	r	5	London ...	30.24	62	57	SW	1	b m	*
Malin Head ...	29.85	46	45	SW	7	a	4	Yarmouth ...	30.20	46	43	SSE	2	b m	2
Mullaghmore ...	30.04	47	45	SW	7	ogp	6	Rocheport ...	30.27	63	60	WNW	2	b	?
Belmullet ...	30.06	48	46	WSW	6	or	*								

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

Weather again foggy in the south and southeast of England, as well as at some of the Irish stations; dull on our extreme north and northwest coasts with rain in the Shetlands and Hebrides. Fine in all other parts of the United Kingdom, and also over the entire Continent. Rain falling later in many parts of Ireland and Scotland, and also in the west of Norway; heavily in the Shetlands, snow falling at Athens.

Temperature highest, 58° at Bilbao, 57° at Nemours and Algiers, 54° at Barcelona and 52° at Brindisi; above 45° at most of the Mediterranean stations and also in the extreme southwest of England. Lowest 3° at Kharkov, 6° at Kiev, 8° at Nicolaeff, 11° at Odessa, and 12° at Warsaw; below 20° over Austria and the southern parts of Russia generally, and below the freezing point over nearly the whole of northern Eastern and central Europe as well as over the inland parts of England. Rising later to 60° or more in many parts of England, France, and southern Europe, the highest reading in our Islands being 65° at Lambeg. Exceeding 70° over Central Algeria.

Winds S or SW over the northern parts of the Kingdom and also in Scandinavia and Northern Russia, light or moderate in force generally, but strong to a gale in the west of Norway. Light from the SE in Denmark, Germany and Austria, and from the E or NE over the English Channel, France, and the greater part of southern Europe. Subsequently increasing to a strong breeze from the SW or W in the extreme north and northwest of our Islands, and also in the north of Sweden.

Barometer highest 30.8 ins. and upwards over Central Russia; 30.2 ins. and upwards, in a large anticyclone covering the greater part of Europe. Lowest 29.5 ins. and less, in a depression lying off the northwest of Norway; gradients rather steep and increasing over Scandinavia and the north of our Islands. Well marked secondary disturbances skirting our extreme northern coasts later; no important change occurring elsewhere.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Monday, 2nd March,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 6.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.55	31	SW	4	0	28.40	-1.48	19	18	-13	WNW	6	bc	*	37	27	0.04
	Hernösand ...	28.84	38	SW	4	6	28.61	-1.64	39	35	-2	WSW	6	b	*	50	34	-
	Stockholm ...	29.26	39	SW	4	0	28.91	-1.61	46	41	+11	W	6	b	*	45	28	-
	Wisby ...	29.50	38	S	6	0	29.17	-1.54	42	41	+6	WSW	8	b	*	?	30	-
	Bodö ...	28.47	25	NE	4	5	28.31	-1.66	21	19	-10	ESE	4	c	2	?	19	-
	Christiansund ...	28.68	43	SW	9	7	28.84	-1.44	38	33	-2	W	9	r	6	43	36	0.79
	Skudesnaes ...	29.38	47	SW	7	0	29.34	-1.32	43	39	0	W	8	c	6	?	37	0.12
	Christiania Fjord (Færder)	29.23	42	SW	8	6	29.11	-1.47	42	41	+2	WSW	7	bc	5	?	?	-
	Skagen (The Scaw)	29.39	42	WNW	6	6	29.31	-1.38	42	40	+3	WNW	6	c	4	45	39	-
	Fanö ...	29.78	36	WNW	5	0	29.65	-1.27	40	40	+3	W	6	b	*	41	37	-
BRITISH ISLANDS.	Sumburgh Head ...	29.17	48	W	8	0	29.25	-1.13	41	39	-7	WNW	8	c	8	50	41	0.11
	Stornoway ...	29.49	53	W	7	7	29.58	-1.04	39	37	-11	WNW	7	r	6	54	35	0.15
	Wick ...	29.43	56	W	8	6	29.52	-1.08	38	36	-12	W	5	b	5	59	36	0.02
	Nairn ...	29.51	66	WSW	5	c	29.63	-1.05	39	37	-15	W	5	c	2	61	37	0.02
	Aberdeen ...	29.62	53	SSW	5	6	29.69	-1.01	42	37	-16	WSW	4	b	3	66	41	-
	Leith ...	29.82	45	W	5	6	29.77	-1.10	43	40	-9	W	6	bm	*	56	42	-
	Shields ...	29.84	67	W	6	c	29.83	-1.09	46	41	-5	W	4	bc	2	59	44	-
	Spurn Head ...	30.03	52	W	4	6	29.93	-1.16	49	48	+4	WSW	3	c	3	53	44	0.01
	York ...	30.03	51	W	3	0	29.93	-1.15	50	46	+1	W	3	b	*	57	47	-
	Loughborough ...	30.12	56	WSW	2	c	30.02	-1.16	53	51	+7	WSW	3	c	*	67	46	-
GERMANY & HOLLAND.	Ardrossan ...	29.89	51	WSW	5	0	29.86	-1.09	45	41	-4	WSW	4	c	3	54	42	0.06
	Malin Head ...	29.87	50	WSW	5	0	29.88	-1.06	44	40	-4	WNW	6	ogp	5	51	41	0.03
	Mullaghmore ...	30.02	52	SW	5	om	30.05	-1.03	45	42	-6	WNW	6	c	5	54	43	0.01
	Belmullet ...	30.05	51	WSW	4	om	30.10	-1.01	45	42	-4	W	5	o	*	52	43	0.07
	Donaghadee ...	29.99	57	WNW	4	c	30.01	-1.03	44	42	-7	WNW	3	c	1	60	42	-
	Liverpool (Bidston)	30.08	55	WSW	4	0	30.03	-1.13	45	44	-3	W	6	o	4	56	45	0.01
	Holyhead ...	30.13	51	SW	4	cg	30.08	-1.11	46	44	-1	WNW	4	cg	4	53	45	0.03
	Parsonstown ...	30.16	52	SW	2	0	30.14	-1.08	45	43	-4	W	0	o	*	54	45	0.05
	Valencia ...	30.25	51	WSW	3	f	30.25	-1.05	47	44	-4	W	3	o	2	52	45	0.24
	Roche's Point...	30.23	55	W	2	c	30.21	-1.08	48	45	-3	W	4	bc	3	58	47	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.24	47	WSW	3	f	30.16	-1.12	46	46	0	WSW	3	f	4	48	45	0.02
	Scilly ...	30.34	50	W	4	0	30.25	-1.12	49	49	0	W	4	m	4	52	48	-
	Prawle Point ...	30.27	49	WNW	5	0	30.23	-1.13	46	46	0	WNW	3	f	2	53	45	0.01
	Jersey (St. Aubin's)	30.35	48	WSW	4	ogm	30.28	-1.12	47	46	+3	W	4	ogtm	3	50	43	-
	Hurst Castle ...	30.24	45	WSW	4	c	30.18	-1.13	44	44	+1	SW	5	om	3	49	42	-
	Dungeness ...	30.18	44	W	5	bc	30.10	-1.15	43	43	0	W	4	f	3	48	42	-
	London ...	30.19	52	SW	2	om	30.11	-1.13	50	49	+5	SW	3	o	*	55	44	0.01
	Oxford ...	30.20	48	W	5	0	30.11	-1.14	47	46	+2	SW	3	o	*	59	45	-
	Cambridge ...	30.14	53	SW	1	bc	30.05	-1.14	52	51	+7	SW	2	c	*	64	43	-
	Yarmouth ...	30.06	56	W	3	c	29.98	-1.17	52	50	+7	W	4	bcm	2	58	44	-
PENINSULA.	Cuxhaven ...	29.99	41	W	6	0	29.89	-1.20	45	44	+5	W	6	o	*	45	40	-
	Berlin ...	30.05	47	SW	3	0	29.92	-1.23	46	45	+13	WSW	3	o	*	48	33	-
	Wiesbaden ...	*	*	*	*	*	30.14	-1.16	40	38	+9	W	0	o	*	46	31	-
	Munich ...	30.28	41	SW	3	0	30.23	-1.11	41	38	+12	SW	2	o	*	46	28	-
	The Helder ...	30.07	42	SW	2	bc	29.97	-1.16	42	42	+1	SW	3	f	3	45	41	0.04
	Brussels (9 a.m.)	*	*	*	*	*	30.13	-1.12	43	43	+1	SW	5	f	4	46	41	0.04
	Cape Gris Nez ...	30.20	43	SW	4	f	30.25	-1.13	48	46	+18	SW	1	o	*	63	30	-
	Paris ...	30.30	57	WNW	2	bc	30.33	-1.08	48	46	+4	N	1	o	2	54	37	-
	Brest ...	30.43	50	N	1	b	30.33	-1.08	44	43	+4	WNW	2	o	2	52	40	-
	Lorient ...	30.37	47	W	3	b	30.33	-1.08	44	43	+4	WNW	2	o	2	52	40	-
PENINSULA.	Rochefort ...	30.36	48	WNW	3	b	30.33	-1.06	41	41	0	W	3	f	*	57	32	-
	Belfort ...	?	36	W	1	bc	?	?	36	?	+6	W	1	bc	*	58	30	-
	Lyons ...	30.32	49	N	2	b	30.30	-1.11	42	38	+7	WSW	1	bc	*	59	24	-
	Nice ...	30.22	47	SW	4	bc	30.21	-1.10	42	38	0	W	3	b	1	55	41	-
	Perpignan ...	30.25	61	W	3	b	30.25	-1.10	54	46	+14	W	3	b	*	69	40	-
	Biarritz ...	30.41	51	W	3	b	30.38	-1.00	48	44	-4	ESE	2	o	2	57	43	-
	Corunna ...	*	*	*	*	*	30.24	-1.05	53	48	+4	NNE	4	b	2	66	?	-
	Lisbon ...	30.26	60	WNW	3	b	30.24	-1.05	53	48	+4	NNE	4	b	2	66	?	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 2nd March, 1891.

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.

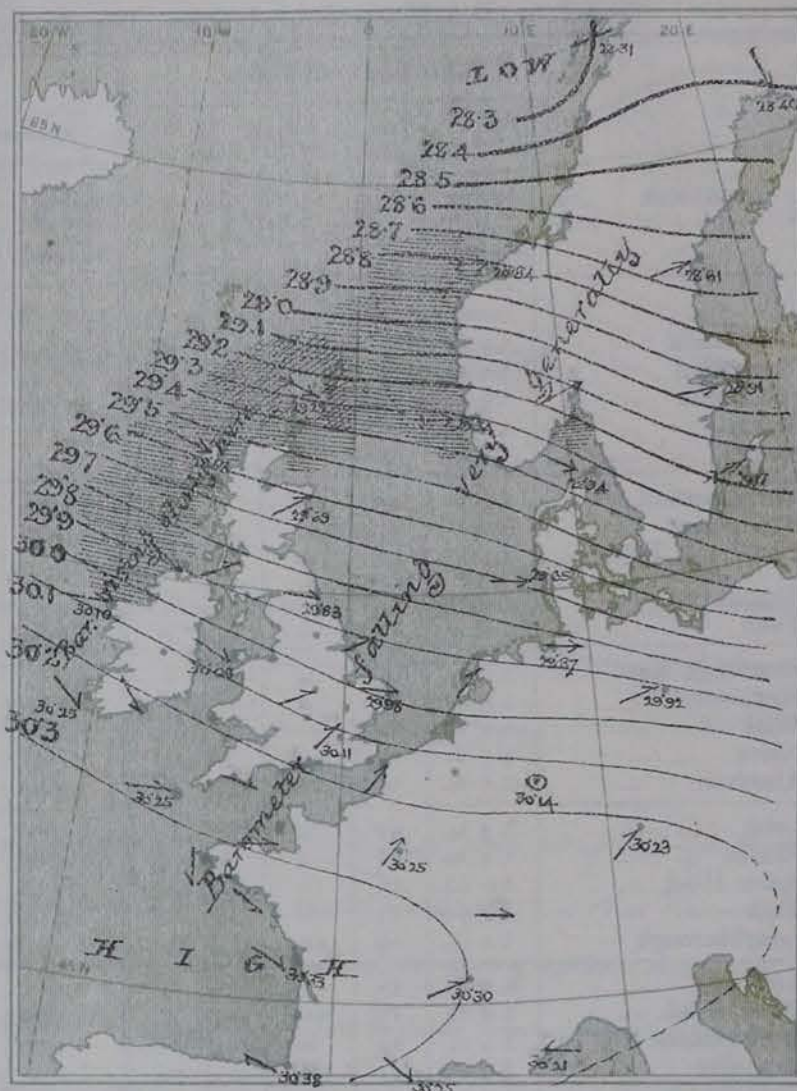
SEA DISTURBANCE—Where considerable, is shown thus:

— = 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	29.874
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roehe's Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.933
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.

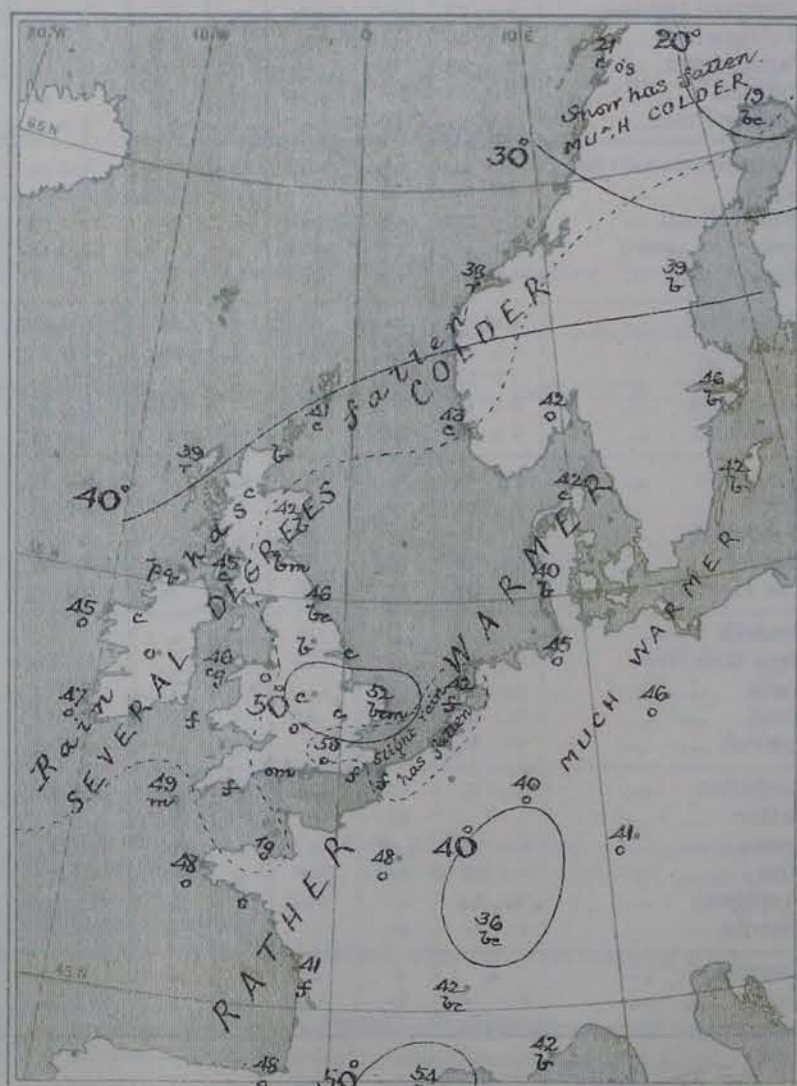
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	2.70
Stornoway.....	41.9	34.5	39.1	38.1	3.79
Wick.....	41.8	34.0	39.0	37.2	2.02
Nairn.....	43.6	33.0	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	35.6	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	1.04
Ardrossan.....	40.3	33.3	40.1	38.5	2.44
Mullaghmore.....	47.9	38.4	41.9	40.2	2.61
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
Roehe'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	49.0	44.2	2.40
Prawle Point.....	48.1	37.7	42.6	41.2	1.85
Jersey.....	49.5	39.9	44.0	42.0	2.33
Hurst Castle.....	47.8	37.2	41.0	40.1	1.84
Dover.....	46.4	36.9	40.7	39.2	1.82
LONDON.....	50.0	35.4	40.1	38.2	1.49
Oxford.....	49.0	34.0	38.9	37.4	1.59
Cambridge.....	50.2	33.0	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 1863-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30 3/4 ins. and more to 50 ins. over the Bay of Biscay and France.

Lowest, 28.3 in; in the extreme north of Norway, 29.5 in; in extreme north of Scotland.

Gradients were rather steep except in the south. Barometer unsteady in the north and east, inclined to rise in the west.

TEMPERATURE

Height, 53" at Rieken and Loughborough, 51" at Cambridge and Ypsauville, 50" at York and in London.

Lowest, 18° at Hapavonda, 21° at Robi, 38° at Christiansend and Nell, 39° at Hornoway and Nauru.

It has fallen fast in Eskand since yesterday, when the daily maxima in that region were very high (66° at Aberdeen).

A decided increase has occurred over France.

WIND

SW⁷ to W³ throughout our Islands and their neighbourhood, and strong to a gale in force at the northern and northwestern stations, moderate to light in the south.

Over the Bay of Biscay the wind was light from NW and in France very light from the NW. The W^g gales have been very strong in the far north.

WEATHER

fine and bright in some localities, but cloudy, as a whole and unsettled. Fog is reported at a few southwestern stations, and rain in the northwest and north; Christiansburg, however, is the only station reporting a large amount of fall.

SEA

Very high at Sumbough Hd., rough at the northern stations generally, moderate in the Irish Sea, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT


There is no indication of any great change; today may be very warm over England, but tomorrow will probably

FORECASTS

For the 24 hours ending at NOON on 3rd March

1891.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
† 0	SCOTLAND NORTH	W ^h gales and strong winds; rain at times, colder.	† 6	SCOTLAND WEST	Same as No 0 and 1.
† 1	SCOTLAND EAST		† 7	ENGLAND N.W.	NW ^h breezes, strong to moderate; some showers.
† 2	ENGLAND N.E.	W ^h winds, fresh or strong; fair as a whole, less warm.	† 8	ENGLAND S.W.	W ^h winds, moderate; fair as a whole.
3	ENGLAND EAST	SW ^h and W ^h breezes, light or moderate; some local showers, less warm.	† 9	IRELAND NORTH	Same as No 7.
4	MIDLAND COUNTIES		† 10	IRELAND SOUTH	NW ^h breezes, moderate; fair as a whole.
5	ENGLAND SOUTH		<p>WARNINGS</p> <p>The <u>SOUTH COE</u> is still up on our northeast, north and northwest coasts.</p>		

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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.54	46	45	W	5	0	5	Holyhead ...	30.17	50	49	SW	3	om	2
Sumburgh Head								Valencia ...							
Stornoway ...	29.62	53	51	W	6	0	6	Scilly ...							
Aberdeen ...								Jersey ...	30.39	50	47	W	4	0	3
Shields ...								Dungeness ...	30.19	47	46	W	5	6	3
Ardrossan ...								London ...							*
Mulin Head ...	29.93	50	49	SW	4	0	3	Yarmouth ...							
Mullaghmore ...								Rochefort ...	30.41	54	49	W	3	6	2
Belmullet ...	30.09	51	51	W	4	0	*								

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

Weather fair or fine over the greater part of our Islands and the Continent, but dull at several of the Scandinavian and Russian stations with rain at Rodo and snow at Uleaborg, Moscow and Kiew. A little rain falling later in many parts of the United Kingdom, and larger quantities in the west of Norway (0.8 ins at Christiania). Highest (11) 58° at Aberdeen, 54° at Kairn, 52° at Leith and 51° at several of the Irish stations; (12) 56° at Oran and Algiers, 55° at Nemours, 54° at Barcelona and San Fernando, and 53° at Malta. Lowest -5° at Kharikov, +5° at Hermannstadt, 7° at Kiew and Nicolaioff, 9° at Braşov and Odessa, and 10° at Buda Pesth, below 20° over Austria and the central and southern parts of Russia generally, and below the freezing point over central France and south Germany. Rising during day to 60° or more in several of the eastern and central parts of St Britain, the highest readings of all being 67° at Loughborough and Cambridge, and 66° at Aberdeen.

Wind W^{ly} or SW^{ly} over the United Kingdom and all the more northern parts of the Continent; strong on our extreme northwest coasts, and also in the north of Scandinavia, blowing a gale over the Gulf of Finland. Light or moderate from between N. and E. over Spain, Italy, Algeria and the south of Russia; variable over Austria, south Germany and central France. Subsequently increasing to a gale from the W^{ly} in the north of Scotland and the west of Norway.

Barometer highest 30.6 ins. and upwards in an anticyclone lying over the Sth parts of central Russia; 30.4 ins. and upwards in another system lying over Spain and the Bay of Biscay; the two high pressure areas united by a col stretching across France and the southern parts of central Europe. Lowest 28.9 ins. and less in a large depression having its central portion over Lapland; secondary system lying to the northward of the Shetlands. Latter system subsequently moving eastwards and barometer falling quickly in the north of our Islands and the west of Norway.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 22ND TO 28TH FEB. 1891

Summary will be issued tomorrow

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 3rd March.

1891.

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

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.	SHADE TEMP.			WIND.		Sea. (0 to 1.)	SHADE TEMP.		Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry.	Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.		Force. (0 to 12.)	Max.		Min.		
SCANDINAVIA.																		
Haparanda ...	29.60	20	W	5	bc	29.87	+0.27	12	11		W	4	c	*	27	27	—	
Hernösand ...	29.06	29	W	2	bc	29.12	+0.06	26	23	-13	W	2	c	*	43	32	—	
Stockholm ...	29.25	35	W	6	bc	29.21	+0.04	37	34	-3	W	2	c	*	44	36	—	
Wisby ...	29.36	35	W	6	bc	29.33	+0.03	36	35	-1	W	6	c	*	43	36	—	
Bodö ...	29.81	19	W	5	bc	29.80	+0.01	20	19	-1	W	5	c	*	21	16	—	
Christiansund	29.18	31	W	5	bc	29.13	+0.05	26	26	-12	W	6	c	*	36	25	0.01	
Skudesnaes ...	29.37	40	W	5	bc	29.37	+0.00	37	33	-4	W	7	c	*	43	34	—	
Christiania Fjord (Færd)	29.33	39	W	7	bc	29.16	+0.17	37	37	-20	W	7	c	*	43	37	—	
Skagen (The Seaw)	29.47	39	W	6	bc	29.35	+0.12	37	35	-2	W	6	c	*	45	36	—	
Fanö ...	29.23	36	W	6	bc	29.61	+0.03	37	35	-2	W	6	c	*	43	36	—	
Sumburgh Head	29.22	35	W	5	bc	29.43	+0.21	35	33	-2	W	3	c	*	42	31	0.22	
Stornoway ...	29.51	31	W	6	bc	29.79	+0.28	35	34	-4	W	7	c	*	42	30	0.20	
Wick ...	29.46	35	W	6	bc	29.65	+0.19	34	34	-4	W	7	c	*	44	32	0.18	
Nairn ...	29.57	35	W	6	bc	29.80	+0.23	32	31	-1	W	5	c	*	45	30	0.12	
Aberdeen ...	29.64	36	W	5	bc	29.80	+0.16	35	32	-3	W	5	c	*	50	34	0.01	
Leith ...	29.79	38	W	3	bc	29.94	+0.15	36	34	-2	W	3	c	*	47	33	0.03	
Shields ...	29.86	42	W	3	bc	29.92	+0.06	36	34	-10	W	4	c	*	50	33	—	
Spurn Head ...	29.95	45	W	4	bc	30.00	+0.05	39	37	-10	W	6	c	*	50	39	—	
York ...	29.97	45	W	5	bc	30.05	+0.08	37	35	-13	W	3	c	*	51	34	0.04	
Loughborough	30.05	47	W	3	bc	30.19	+0.14	37	35	-16	W	4	c	*	54	36	—	
BRITISH ISLANDS.																		
Ardrossan ...	29.83	42	W	7	bc	30.03	+0.20	41	36	-4	W	4	c	*	48	35	0.10	
Malin Head ...	29.83	40	W	6	bc	30.01	+0.18	39	38	-5	W	7	c	*	44	36	0.02	
Mullaghmore ...	30.03	39	W	5	bc	30.29	+0.26	45	38	0	W	8	c	*	46	37	0.19	
Belmullet ...	30.01	41	W	6	bc	30.31	+0.30	44	41	-1	W	9	c	*	46	31	0.11	
Donaghadee ...	29.91	41	W	5	bc	30.11	+0.20	36	35	-1	W	5	c	*	49	32	0.09	
Liverpool (Bidston)	30.04	43	W	5	bc	30.11	+0.07	40	37	-3	W	5	c	*	49	37	0.01	
Holyhead ...	30.03	44	W	4	bc	30.27	+0.24	40	37	-6	W	6	c	*	51	38	0.01	
Parsonstown ...	30.14	43	W	1	bc	30.47	+0.33	35	34	-10	W	2	c	*	49	35	0.03	
Valencia ...	30.29	47	W	6	bc	30.51	+0.22	47	43	0	W	6	c	*	50	40	0.06	
Roche's Point...	30.23	46	W	4	bc	30.50	+0.27	42	39	-6	W	4	c	*	50	39	0.01	
Pembroke (St. Ann's Hd.)	30.19	46	W	4	bc	30.42	+0.23	42	40	-4	W	5	c	*	48	41	—	
Scilly ...	30.26	48	W	5	bc	30.53	+0.27	45	41	-4	W	5	c	*	50	41	—	
Prawle Point ...	30.28	44	W	2	bc	30.46	+0.18	41	38	-5	W	4	c	*	50	37	0.01	
Jersey (St. Aubin's)	30.22	47	W	4	bc	30.46	+0.24	44	38	-3	W	4	c	*	49	41	0.02	
Hurst Castle ...	30.13	45	W	5	bc	30.36	+0.23	40	38	-4	W	6	c	*	48	37	—	
Dungeness ...	30.05	44	W	5	bc	30.24	+0.19	40	37	-3	W	5	c	*	47	34	—	
London ...	30.01	51	W	3	bc	30.23	+0.22	38	35	-12	W	3	c	*	51	35	—	
Oxford ...	30.13	45	W	4	bc	30.26	+0.13	37	35	-10	W	3	c	*	57	34	—	
Cambridge ...	30.09	49	W	1	bc	30.17	+0.08	39	36	-13	W	3	c	*	60	34	—	
Yarmouth ...	30.01	51	W	4	bc	30.05	+0.04	38	36	-14	W	5	c	*	57	34	—	
GERMANY & HOLLAND.																		
Cuxhaven ...	29.86	40	W	5	bc	29.84	+0.02	37	36	-1	W	4	c	*	42	35	—	
Berlin ...	29.92	49	W	3	bc	29.86	+0.06	44	42	-2	W	4	c	*	50	43	—	
Wiesbaden ...	30.02	48	W	3	bc	30.02	+0.00	44	42	+4	W	3	c	*	54	39	0.04	
Munich ...	30.16	48	W	3	bc	30.05	+0.11	42	40	+1	W	4	c	*	50	39	—	
The Helder ...	29.99	41	W	2	bc	29.97	+0.02	38	37	-1	W	3	c	*	43	37	—	
FRANCE AND BELGIUM.																		
Brussels (9 a.m.)	30.07	43	W	4	bc	30.16	+0.09	39	36	-4	W	6	c	*	45	36	0.04	
Cape Gris Nez	30.21	48	W	2	bc	30.27	+0.06	41	37	-7	W	3	c	*	53	40	0.04	
Paris ...	30.41	48	W	2	bc	30.53	+0.12	44	40	-4	W	4	c	*	52	39	—	
Brest ...	30.41	48	W	2	bc	30.53	+0.12	44	40	-4	W	4	c	*	52	39	—	
Lorient ...	30.41	48	W	2	bc	30.53	+0.12	44	40	-4	W	4	c	*	52	39	—	
Rochefort ...	30.29	46	W	4	bc	30.42	+0.09	45	44	+4	W	4	c	*	48	36	—	
Belfort ...	30.29	46	W	2	bc	30.42	+0.09	45	44	+4	W	2	c	*	52	36	—	
Lyons ...	30.23	53	W	2	bc	30.25	+0.02	46	45	+4	W	2	c	*	61	39	—	
Nice ...	30.14	48	W	3	bc	30.09	+0.05	46	46	+4	W	2	c	*	55	39	—	
Perpignan ...	30.19	60	W	2	bc	30.19	+0.06	51	45	-3	W	5	c	*	66	44	—	
Biarritz ...	30.34	48	W	3	bc	30.46	+0.08	51	47	+3	W	3	c	*	66	45	—	
PENINSULA.																		
Corunna ...	30.19	62	W	4	bc	30.52	+0.20	52	50	+5	W	6	c	*	61	45	—	
Lisbon ...	30.19	62	W	4	bc	30.20	+0.01	51	46	-2	W	4	c	*	70	50	—	

for 8 a.m. on Tuesday, 3rd March, 1891.

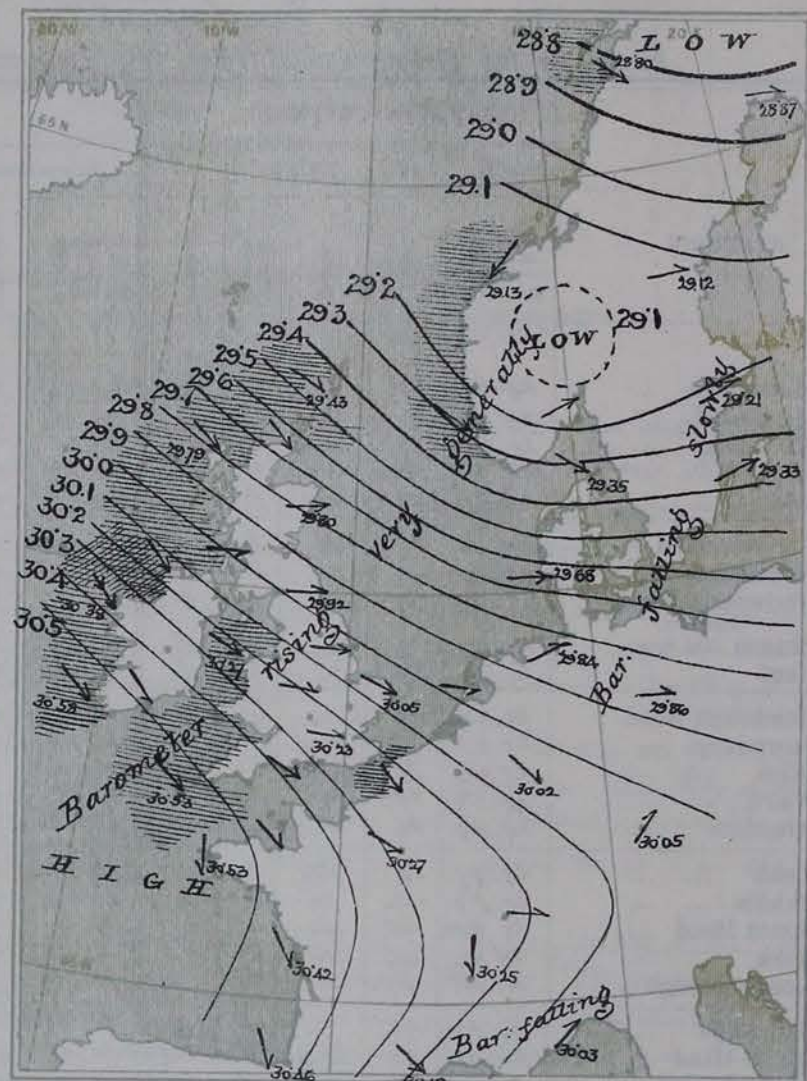
EXPLANATION OF MAP

Changes since previous morning are stated in words.

SEA DISTURBANCE—Where considerable, is shown thus:

During the 20 Years: 1871—1890.

STATIONS.	MEAN
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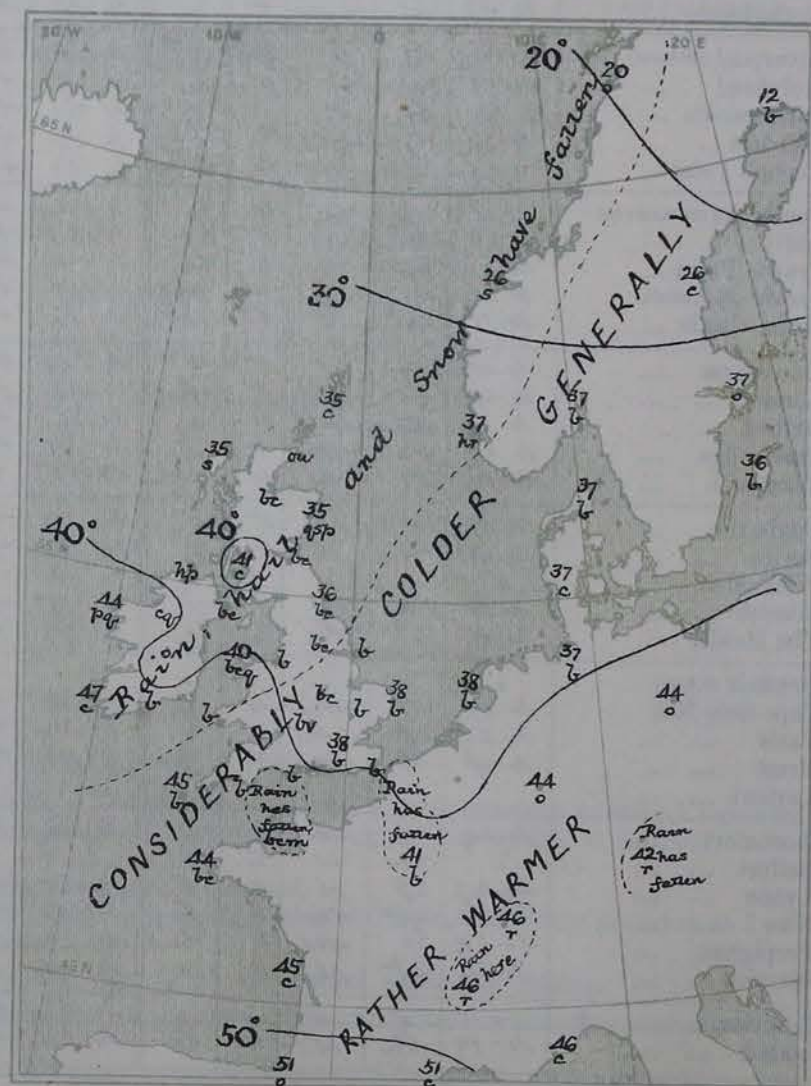


TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

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.

(For the month of March.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in. and upwards in an anticyclone lying to the southward of our Islands.
 Lowest, 28.8 in. and less, in the north off Scandinavia; 29.1 in. and less in a secondary depression lying over the southern parts of Norway.
 Gradients rather steep over our Islands and North Sea, but slight elsewhere.
 Barometer rising briskly in our Islands, and slightly in France, but falling in Scandinavia, Denmark, and Germany.

TEMPERATURE

Highest, 51° at Bournemouth, Perpignan and Lisbon, 47° at ~~London~~ and Valencia, and 46° at Belfast, Lyons, and Nice.
 Lowest, 12° at Haparanda, 20° at Bodo, 26° at Helsingfors, and Christianaund, 32° at Naïm, and 34° at Wick.
 During yesterday the thermometer rose to 58° in London and 60° at Cambridge.

WIND

Fresh or strong from the Wnd or NWnd over the United Kingdom and the eastern shores of the North Sea, with a moderate gale in the north of Scotland and a fresh to strong gale on our northwest coast.
 Light or moderate from the Wnd in Sweden and Germany, and from the NWnd in France.

WEATHER

Fine over the greater part of Western Europe, but showery at some of our extreme northern and northwestern stations. Snow is falling in the Hebrides and also in the coast of Norway, and rain at Belfast and Lyons.
 Rain fell yesterday in all the more western and northern parts of the Kingdom, but the amounts were in most cases very slight.
 Aurora was seen last night at several of the Scandinavian stations and also at Aberdeen.

SEA

High at Mullaghmore and rough on our western and northern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the southwest appears to be spreading eastwards, and although local showers are probable the weather over the United Kingdom generally seems likely to remain fair and dry.

FORECASTS

For the 24 hours ending at NOON on 4TH MARCH 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW nd winds, strong, a gale in places; squally, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W nd to NW nd winds, strong; gusty, some showers.
3	ENGLAND EAST	NW nd winds, fresh or strong; fair generally, but local showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW nd winds, strong, a gale at first, but moderating later; squally and showery to fair.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW nd winds, strong to moderate; fair generally.
9	IRELAND NORTH	Same as No 6 and 7.
10	IRELAND SOUTH	Same as No 8.

WARNINGS

The NORTH CONE was hoisted last evening in districts 0 to 2, 6, 7, and 9.

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:	D.	W.	D.	F.	WEA.	SEA.		BAR:	D.	W.	D.	F.	WEA.	SEA.
Skudesnæs ...	29.40	40	39	WNW	0	7	5	Holyhead ...	30.09	40	44	W	4	bc	4
Sumburgh Head ...	29.30	39	37	WNW	4		7	Valencia ...	30.29	48	44	WNW	0	cq	4
Stormoway ...	29.54	41	37	NW	7	C	6	Scilly ...	30.25	49	49	WNW	4	o pm	4
Aberdeen ...	29.60	43	40	WNW	6	bcq	4	Jersey ...	30.26	49	48	W	4	og	3
Shields ...	29.87	49	44	W	4	C	2	Dungeness ...	30.10	46	45	W	5	o	4
Ardrossan ...	29.84	42	39	W	7	C	5	London ...	30.08	50	58	WNW	0	C	x
Mulin Head ...	29.87	42	39	WNW	6	C	5	Yarmouth ...	29.99	53	51	NW	4	C	3
Mullaghmore ...	30.09	42	40	W	7	cht	6	Rocheport ...	30.33	44	43	WNW	4	f	?
Belmullet ...	30.10	43	41	WNW	6	C	*								

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

Weather fine and bright over southwestern southern, southeastern and eastern Europe, with the Mediterranean, as well as over Sweden and the N.E. parts of the British Islands, cloudy and changeable elsewhere, rainy on our extreme N.W. coasts and at Christiansund. Cold rain hail or sleet falling over the N. half of our Islands later, slight warm showers in the South. Sky clearing subsequently.

Temperature falling in the N.W. rising over the Baltic, central Europe and France. Morning readings exceeding 50° on the S.W. and W. shores of the Mediterranean and exceeding 40° on the Atlantic coasts of Europe and the British Islands generally, as well as over S. Germany and Denmark, lower elsewhere. Lowest of all -5° at Khar'kov, -1° at Kiev, +3° at Hermanstadt, 6° at Nicolaieff, 10° at Lemberg, 13° at Buda Pesth, 14° at Moscow, 19° at Haparanda, and 21° at Rodo; touching 60° at Cambridge, and 68° in London later and exceeding 65° in the S. of France.

Wind, very variable, but chiefly N. over the S. half of Europe, the Mediterranean and the Black Sea; W. (SW to NW) over all the N. countries, and strong to a gale in force at the majority of the stations, but moderate over England and the S. half of Ireland. Freshening in the latter districts later.

Barometer highest 30.4 ins. and more to 30.3 ins. in an anticyclone over S.E. Europe, and in another system over Spain France and the Bay of Biscay; exceeding 30.2 ins. in a col. lying over Switzerland and S. Germany. Lowest 28.3 ins. and less over Lapland and the N. of Finland, and rather below 29.3 ins. at Sumburgh Head and in a zone stretching hence across the S. parts of Norway and Sweden, and the Baltic Provinces to Russia. Falling unsteadily but not rapidly in our Islands later.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 22ND TO 28TH FEBRUARY 1891.

Throughout this week atmospheric pressure has been highest over Germany, lowest off our west and northwest coasts, the gradients being at first moderate in the latter districts, slight elsewhere and subsequently slight everywhere. Thus S. winds were prevalent during the earlier half of the period - light and anticyclonic over England, with low temperatures, strong at the western and northwestern stations with high temperature and a little rain. Fog was unusually prevalent over England the eastern parts of the Channel and the North Sea, and in London it was very dense. As the week advanced the anticyclone spread fitfully to the W., and on Friday a "ridge" had been formed directly over the whole of the British Islands, so that during the earlier part of the day calms with fog or haze were the ruling conditions over the Kingdom, with low temperature. During the daytime, however, the fog cleared quickly, and the thermometer rose so rapidly that the daily maxima were unusually high for the time of year, and on Saturday ranged between 60° and 65° over the inland parts of England.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Wednesday, 4th March, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										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.	Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)		Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.	Haparanda ...	29.39	14	W	2	b	29.19	+ 32	9	8	- 3	Z	0	b	*	23	7	-
	Hernösand ...	29.29	19	Z	0	b	29.50	+ 38	20	18	- 6	Z	0	b	*	30	18	-
	Stockholm ...	29.33	32	W	4	b	29.49	+ 28	28	28	- 9	W	2	S	*	41	?	0.12
	Wisby ...	29.43	37	W	6	b	29.56	+ 23	33	30	- 3	WNW	4	bc	*	39	?	-
	Bodö ...	29.00	26	W	8	bc	29.21	+ 41	27	24	+ 7	W	8	bc	*	27	19	-
	Christiansund	29.34	25	NE	4	0	29.48	+ 35	27	25	+ 1	SW	5	S	*	28	23	-
	Skudesnaes ...	29.59	27	NW	7	S	29.74	+ 35	30	28	- 7	SSE	4	S	*	37	?	-
	Christiania Fjord (Fæder)	29.37	33	W	4	bc	29.73	+ 57	27	23	- 10	NW	5	b	*	39	27	-
	Skagen (The Scaw)	29.49	35	NW	4	b	29.76	+ 41	30	27	- 7	N	4	b	*	39	28	-
	Fanö ...	29.74	35	W	6	c	29.97	+ 29	30	30	- 7	NW	4	sp	*	39	28	-
BRITISH ISLANDS.	Sumburgh Head	29.68	29	WNW	5	0	29.25	- 18	45	45	+ 10	W	5	r	*	45	27	0.20
	Stornoway ...	30.00	40	NW	6	c	29.60	- 19	50	48	+ 15	W	8	0	*	50	32	0.65
	Wick ...	29.86	36	NW	7	0	29.48	- 17	46	45	+ 12	WNW	7	0 u	*	46	30	0.80
	Nairn ...	29.97	39	W	5	r	29.66	- 14	49	46	+ 17	WSW	4	c	*	49	30	0.10
	Aberdeen ...	29.97	34	WNW	6	cqps	29.67	- 13	48	44	+ 13	W	4	cq	*	48	32	0.18
	Leith ...	30.09	39	W	2	bc	29.83	- 11	50	47	+ 14	W	6	c	*	50	34	-
	Shields ...	30.09	40	W	4	b	29.97	+ 05	47	45	+ 11	WNW	4	0	*	47	35	-
	Spurn Head ...	30.16	42	WNW	8	bqj	30.14	+ 14	44	42	+ 5	WNW	6	0	*	44	37	-
	York ...	30.20	40	W	4	b	30.12	+ 07	46	44	+ 9	W	4	0	*	47	35	-
	Loughborough	30.33	42	WNW	4	c	30.28	+ 09	44	42	+ 7	WNW	3	0	*	47	36	0.09
GERMANY & HOLLAND.	Ardrossan ...	30.18	42	WNW	7	bqjp	29.96	- 07	49	46	+ 8	WSW	5	bc	*	49	38	0.08
	Malin Head ...	30.26	43	NW	5	ogkjp	30.04	- 04	47	46	+ 8	W	6	op	*	47	37	0.22
	Mullaghmore ...	30.43	45	WNW	6	ogkjp	30.25	- 04	49	46	+ 4	WSW	7	ogm	*	49	39	0.06
	Belmullet ...	30.48	47	WNW	7	b	30.30	- 08	49	48	+ 5	W	6	ogj	*	49	41	0.04
	Donaghadee ...	30.33	43	NW	5	c	30.14	- 04	48	47	+ 12	NW	6	c	*	48	35	0.08
	Liverpool (Bidston)	30.34	43	W	6	0	30.22	+ 04	46	44	+ 6	W	7	0	*	46	40	0.03
	Holyhead ...	30.40	45	NW	6	cq	30.29	+ 02	48	45	+ 8	W	5	ogmq	*	48	40	-
	Parsonstown ...	30.53	44	SW	1	b	30.38	- 05	48	46	+ 13	SW	3	0	*	49	35	-
	Valencia ...	30.67	48	WNW	5	cqgm	30.55	- 03	50	47	+ 3	W	5	og	*	52	46	-
	Roche's Point...	30.63	46	NW	5	b	30.48	- 02	48	45	+ 6	WNW	3	bc	*	50	41	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.53	46	WNW	4	bc	30.43	+ 01	46	44	+ 4	WSW	5	og	*	47	42	-
	Scilly ...	30.62	48	WNW	4	bc	30.58	+ 05	48	46	+ 3	W	4	c	*	48	41	-
	Prawle Point ...	30.58	44	NW	5	b	30.53	+ 07	45	44	+ 4	WNW	4	c	*	52	40	-
	Jersey (St. Aubin's)	30.59	48	WNW	4	bm	30.58	+ 12	45	44	+ 1	W	3	bmw	*	50	43	-
	Hurst Castle ...	30.49	44	WNW	5	b	30.46	+ 10	43	42	+ 3	W	6	c	*	49	40	-
	Dungeness ...	30.37	46	WNW	6	bc	30.39	+ 15	40	39	0	W	4	c	*	49	36	-
	London ...	30.38	45	NW	4	b	30.39	+ 16	43	40	+ 5	WSW	1	0	*	49	37	-
	Oxford ...	30.44	42	W	4	bc	30.39	+ 13	43	41	+ 6	WSW	3	ogj	*	49	37	-
	Cambridge ...	30.32	43	WNW	3	b	30.31	+ 14	43	41	+ 4	SW	2	0	*	50	35	0.01
	Yarmouth ...	30.20	42	NW	6	bqj	30.23	+ 18	43	41	+ 5	W	5	c	*	45	35	-
GERMANY & HOLLAND.	Cuxhaven ...	29.89	36	W	6	0	30.03	+ 19	34	33	- 3	NW	6	S	*	40	32	-
	Berlin ...	29.99	36	WNW	5	c	30.01	+ 15	35	33	- 9	WNW	4	c	*	48	34	-
	Wiesbaden ...	*	*	*	*	*	30.32	+ 30	38	36	- 6	W	2	0	*	46	37	0.12
	Munich ...	30.28	33	W	6	S	30.36	+ 31	30	28	- 12	SW	5	c	*	45	30	0.16
	The Helder ...	30.14	36	WNW	4	L	30.20	+ 23	39	38	+ 1	W	3	C	*	39	36	0.20
	Brussels (9 a.m.)	*	*	*	*	*	30.38	*	36	35	*	SW	2	C	*	43	34	-
	Cape Gris Nez	30.33	42	NW	5	bc	30.37	+ 21	40	37	+ 1	NW	4	b	*	46	37	-
	Paris ...	30.49	44	WNW	4	b	30.52	+ 25	33	32	- 8	WSW	2	bc	*	49	32	-
	Brest ...	30.71	48	N	3	b	30.67	+ 14	46	44	+ 2	N	3	c	*	52	41	-
	Lorient ...	30.65	46	N	3	bc	30.64	*	42	41	*	NW	3	b	*	50	41	-
FRANCE AND BELGIUM.	Rochefort ...	30.57	46	NW	4	b	30.60	+ 18	41	40	- 4	N	4	b	*	52	32	-
	Belfort ...	?	36	W	1	m	?	?	34	?	- 12	W	2	b	*	51	28	-
	Lyons ...	30.44	43	N	3	c	30.52	+ 27	32	30	- 14	N	3	b	*	49	31	0.04
	Nice ...	29.89	48	SW	4	c	29.96	- 07	44	36	- 2	E	4	c	*	57	39	0.32
	Perpignan ...	30.31	43	NW	6	0	30.32	+ 13	43	36	- 8	NW	6	b	*	59	41	-
	Biarritz ...	30.57	48	NNE	5	b	30.63	+ 17	40	36	- 11	NNE	2	b	*	52	36	0.04
PENIN- SULA.	Corunna ...	*	*	*	*	*	30.58	+ 06	50	46	- 2	NNE	4	b	*	57	45	-
	Lisbon ...	30.19	62	NNE	5	b	30.26	+ 06	46	38	- 5	NE	6	b	*	70	45	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Wednesday, 4th March, 1891.

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.
○ = Head calm.

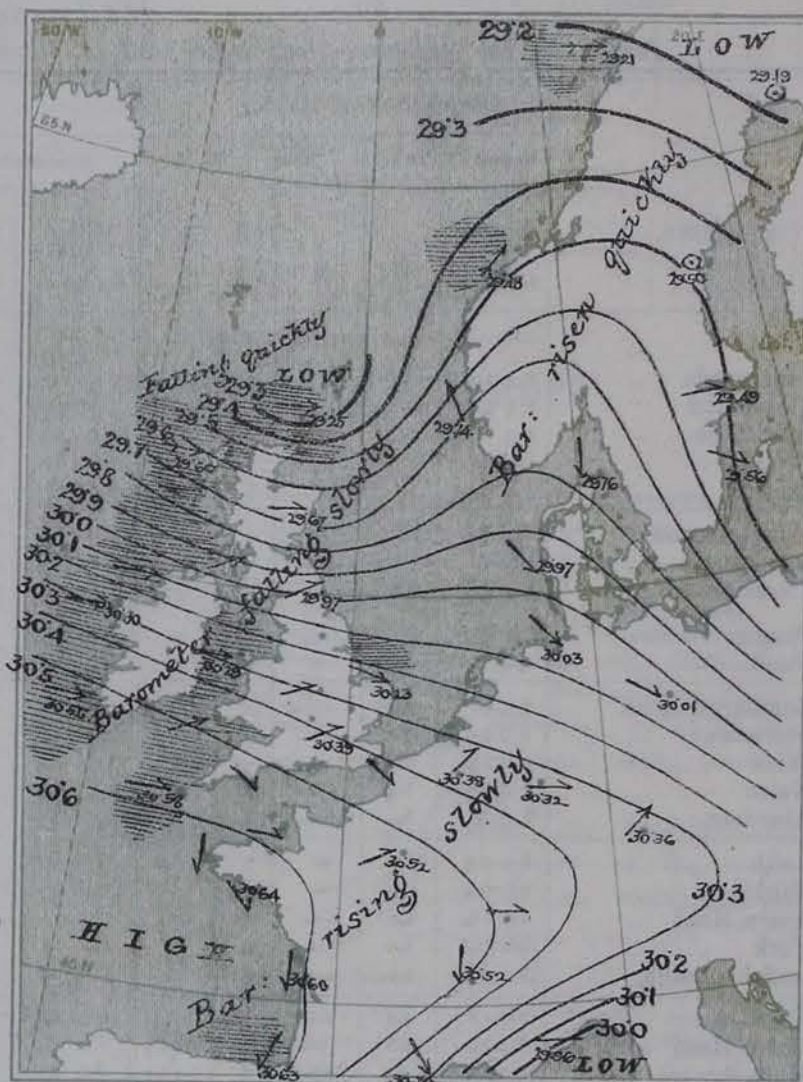
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = 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.
Sumbargh Head	29.751
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.905
Mullaghmore	29.874
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	29.933
LONDON	29.959
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.

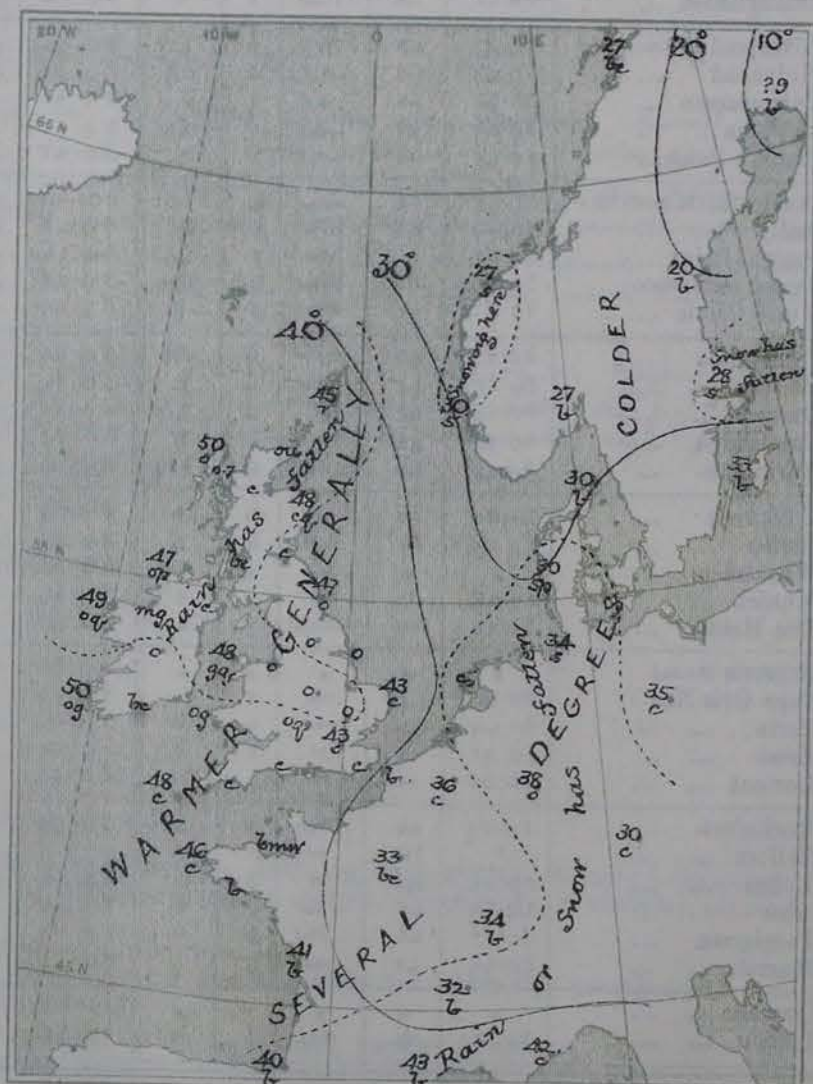
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	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	34.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	40.5	34.2	39.0	37.3	1.64
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.0	40.2	2.61
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	1.85
Jersey	40.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
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	33.0	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 in. and upwards, in an anticyclone lying over the Bay of Biscay and the northwest of France.
 Lowest, 29.2 in. and less, in the north of Scandinavia; 29.3 in. and less, in a depression lying to the northward of the Shetlands.
 Gradients steep over the south of France and rather steep over the northern parts of our Islands and the North Sea, but slight elsewhere.
 Barometer falling over nearly the whole of the United Kingdom, — quickly in the north, but rising elsewhere.

TEMPERATURE

Highest, 50° at Stromway, Leith, and Valencia Island, and 49° at Harin, Ardrossan, Mullaghmore, and Belmullet.
 Lowest, 9° at Haparanda, 20° at Helsingfors, 27° at Rode, Christiansund, and Trondheim, and 28° at Stockholm.
 A considerable rise has taken place in the north of our Islands, and a less decided rise in the south.

WIND

W^{ly} over the United Kingdom, the Netherlands and Germany; strong in force on all our more northern coasts with a gale at Stromway.
 SW^{ly} or S^{ly} in the west of Norway; NW^{ly} in Denmark, N^{ly} over the greater part of France.

WEATHER

Cloudy or overcast in most parts of the United Kingdom, with rain in the Shetlands.
 Fine at our extreme southern and most of the Continental stations, but snow falling in the west of Norway.
 Rain hail or snow fell yesterday in the north and northwest of our Islands; the largest amount being 0.7 in. at Stromway.
 Lightning was seen at Cambridge in the evening, and thunder occurred at the Hilder.

SEA

Rough or rather so on nearly all the more exposed parts of our western, northern, and eastern coasts, but slight in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north seems likely to occasion gales from the Wnd and NWnd on all our more northern coasts.
 Rain is probable over all the northern districts, but it is at present very doubtful whether any appreciable quantity will fall in the south.

FORECASTS

For the 24 hours ending at NOON on 5th MARCH 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W ^{ly} to NW ^{ly} strong winds and gales; squally, some rain, followed by sleet or snow.	6 SCOTLAND WEST	W ^{ly} to NW ^{ly} strong winds and gales; squally, some showers, becoming colder.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	W ^{ly} winds, increasing to a gale; squally some showers.	8 ENGLAND S.W.	W ^{ly} to NW ^{ly} winds, increasing in force; fair generally, but local showers.
3 ENGLAND EAST	W ^{ly} winds, freshening considerably; fair at first, doubtful later, possibly some showers.	9 IRELAND NORTH	Same as No 6 and 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 8.
5 ENGLAND SOUTH			
		WARNINGS	The NORTH CONE is still flying in districts Nos 0 to 2, 6, 7, and 9.

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.

	THER:		WIND						THER:		WIND					
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.44	34	32	NW	7	s	5	Holyhead ...	30.34	46	42	WNW	6	bq	6	
Sumburgh Head ...	29.53	33	32	WNW	5	o	6	Valencia ...	30.66	51	45	NW	6	bq	5	
Stornoway ...	29.91	41	36	NW	8	bc	6	Scilly ...	30.61	49	46	NW	5	bc	5	
Aberdeen ...	29.88	34	33	W	7	bc	4	Jersey ...	30.56	50	42	WNW	5	b	4	
Shields ...	30.03	44	38	WNW	5	c	2	Dungeness ...	30.32	44	41	NW	7	bc	5	
Ardrossan ...	30.11	44	40	WNW	8	bq p	6	London ...	30.32	49	42	WNW	5	cq	5	
Malin Head ...	30.19	40	40	WNW	7	o ph	6	Yarmouth ...	30.13	45	38	NW	6	bq	4	
Mullaghmore ...	30.40	46	42	WNW	8	c q p	6	Rocheport ...	30.54	50	45	NW	4	b	2	
Belmullet ...	30.48	45	43	NW	5	ep	5									

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

Weather in morning fine and bright at many stations over the Baltic, Scandinavia, and the British Islands, cloudy elsewhere, squally in the east and north, and raining over the southern parts of Germany and France; very changeable generally. Rain at times during day over all the northern and northwestern parts of our Islands, Germany and the south of France, and appearance unsettled over England.

Temperature fallen fast over the northwestern and northern countries, risen rapidly over southeastern Europe and Italy. Morning readings exceeding 50° at some Mediterranean stations only, below 40° over Scotland, central and eastern England, Denmark, and the Baltic. Lowest, (1) 12° to 15° over Lapland, 20° at Archangel, 26° at St Petersburg (2) 13° at Hammarstad, 15° at Charlott, 23° at Odessa, 25° at Ruda Aeth. Rising to 50° and more at a few English and French stations later, to 59° at Perpignan and 70° at Lisbon.

Wind NW to W³, strong to a gale over Ireland, Irish Sea, Scotland, and Norway (NNE. at Christiansund); W³ fresh to moderate over England, the north of France, Germany, and the Baltic. Very variable over central and southern Europe; NE to N³ over Spain. Moderating in Scotland and Ireland later, but blowing strongly over England and the North Sea.

Barometer highest 30.5 in: and more to 30.3 in: over the Bay of Biscay, north of Spain, west of France, and southwest of our Islands, 30.3 in: and more to 30.1 in: over southeastern Europe and south of Russia. Lowest 29.4 in: to 28.6 in: in complex depression over Scandinavia and northern Russia, gradients steep over Ireland, Scotland, Denmark, and south of Sweden. Rising over our Islands later — most in Scotland, falling over England.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Thursday, 5th March, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 12.)	SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.17	14	Z	0	0	29.02	- .17	14	13	+ 5	E	2	0	*	23	7	-
	Hernösand ...	29.04	26	SSE	9	S	28.69	- .81	27	26	+ 7	ESE	4	0	*	32	16	0.04
	Stockholm ...	29.17	28	S	4	0	28.67	- .82	32	30	+ 4	W	4	0	*	36	25	0.08
	Wisby ...	29.28	31	S	8	S	28.82	- .74	36	33	+ 3	W	8	6	*	36	27	0.12
	Bodö ...	28.89	23	E	2	b	28.91	- .30	21	21	- 6	NE	2	6	1	27	19	-
	Christiansund	28.50	34	SW	6	S	28.99	- .49	35	32	+ 8	WNW	6	0	5	34	27	0.47
	Skudesnaes ...	29.12	42	WNW	10	b	29.32	- .42	39	33	+ 9	NW	8	0	7	43	30	0.51
	Christiania Fjord (Færdar)	28.94	35	NW	7	b	28.93	- .80	38	33	+ 11	WNW	10	6	5	?	?	-
	Skagen (The Seaw)	29.08	39	WNW	8	b	29.07	- .69	38	34	+ 8	NW	10	6	7	39	?	-
	Fanö ...	29.54	40	W	6	b	29.58	- .39	38	37	+ 8	W	6	6	*	41	30	0.20
BRITISH ISLANDS.	Sumburgh Head	29.51	41	WNW	10	r	29.45	+ .26	38	36	- 7	WNW	7	0	7	47	36	0.06
	Stornoway ...	29.70	43	NW	7	r	29.75	+ .15	41	40	- 9	W	5	0	4	50	36	0.15
	Wick ...	29.53	40	NW	8	c	29.67	+ .19	39	38	- 7	NW	5	0	5	52	35	0.21
	Nairn ...	29.71	43	W	6	o	29.75	+ .09	39	38	- 10	WSW	2	0	2	52	37	0.08
	Aberdeen ...	29.64	46	W	7	b	29.74	+ .12	41	37	- 7	W	4	b	4	57	40	-
	Leith ...	29.82	50	W	4	b	29.89	+ .06	46	43	- 4	W	5	6	*	55	41	-
	Shields ...	29.81	52	W	6	b	29.91	- .06	47	44	0	WNW	6	6	2	53	43	-
	Spurn Head ...	29.96	48	W	8	b	30.02	- .12	48	46	+ 4	W	7	c	5	49	44	-
	York ...	30.00	51	W	4	c	30.05	- .07	50	47	+ 4	W	4	0	*	51	44	-
	Loughborough	30.16	52	W	3	o	30.19	- .09	51	47	+ 7	W	3	0	*	52	44	-
GERMAN & HOLLAND.	Ardrossan ...	29.96	49	W	8	ogp	29.97	+ .01	48	46	- 1	WSW	5	r	5	52	44	0.12
	Malin Head ...	29.99	48	WNW	6	ogp	29.98	- .06	47	46	0	W	6	ogp	4	49	45	0.09
	Mullaghmore ...	30.21	50	WSW	7	om	30.18	- .07	49	47	0	WSW	6	ogm	6	51	48	-
	Belmullet ...	30.27	51	W	7	o	30.21	- .09	50	48	+ 1	W	6	0	*	52	49	-
	Donaghadee ...	30.10	52	WNW	6	c	30.11	- .03	50	48	+ 2	NW	6	c	4	56	47	0.02
	Liverpool (Bidston)	30.11	49	W	8	o	30.17	- .05	50	47	+ 4	WSW	8	c	6	51	46	-
	Holyhead ...	30.22	50	W	5	c	30.26	- .03	49	46	+ 1	WSW	4	ogm	4	51	47	-
	Parsonstown ...	30.34	50	WNW	3	o	30.31	- .07	49	47	+ 1	SW	3	0	*	54	47	-
	Valencia ...	30.49	51	W	5	cm	30.45	- .10	50	47	0	W	3	0	3	53	47	-
	Roche's Point...	30.42	52	WNW	5	b	30.42	- .06	47	45	- 1	W	3	c	3	54	45	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.36	47	WSW	5	b	30.38	- .05	48	46	+ 2	W	4	b	4	49	46	0.02
	Scilly ...	30.51	49	W	5	c	30.49	- .09	48	47	0	W	3	ow	5	50	45	-
	Prawle Point ...	30.44	46	WNW	4	c	30.45	- .08	47	47	+ 2	WNW	4	cm	3	51	44	-
	Jersey (St. Aubin's)	30.49	48	W	4	og	30.51	- .07	47	46	+ 2	W	4	ogm	3	50	44	-
	Hurst Castle ...	30.35	47	WSW	5	c	30.40	- .06	45	44	+ 2	WSW	4	c	3	49	43	-
	Dungeness ...	30.26	45	W	5	o	30.29	- .10	47	45	+ 7	W	5	b	4	49	40	-
	London ...	30.26	48	W	4	c	30.30	- .09	48	45	+ 5	WSW	3	c	*	51	42	-
	Oxford ...	30.27	46	WSW	4	o	30.31	- .08	46	45	+ 3	SW	3	0	*	50	43	-
	Cambridge ...	30.17	49	SW	3	o	30.22	- .09	51	50	+ 8	SW	2	0	*	52	42	-
	Yarmouth ...	30.06	49	WNW	6	c	30.11	- .12	50	47	+ 7	WNW	5	b	3	50	41	-
PENIN. & SULLA.	Cuxhaven ...	29.84	38	W	7	o	29.80	- .23	39	38	+ 5	W	6	b	*	43	34	-
	Berlin ...	29.89	36	SW	4	r	29.78	- .23	44	41	+ 9	WNW	5	b	*	45	35	0.12
	Wiesbaden ...	*	*	*	*	*	30.18	- .14	45	43	+ 7	SW	2	b	*	45	38	0.04
	Munich ...	30.36	35	W	7	o	30.30	- .06	37	35	+ 7	SW	7	0	*	37	30	0.04
	The Helder ...	29.99	40	SW	4	b	30.04	- .16	41	40	+ 2	WSW	3	b	3	43	39	0.04
	Brussels (9 a.m.)	*	*	*	*	*	30.26	- .12	45	43	+ 9	WSW	3	c	*	50	36	-
	Cape Gris Nez	30.22	43	WNW	5	c	30.26	- .11	43	41	+ 3	W	5	b	5	63	37	-
	Paris ...	30.44	47	WSW	2	o	30.41	- .11	45	44	+ 12	W	1	c	*	52	33	-
	Brest ...	?	48	N	3	b	30.57	- .10	48	47	+ 2	WNW	1	0	2	50	41	-
	Lorient ...	30.57	46	WNW	4	o	30.54	- .10	43	42	+ 1	W	0	b	2	48	41	-
FRANCE AND BELGIUM.	Rochefort ...	30.57	46	NW	4	b	30.53	- .07	46	45	+ 5	WNW	3	0	*	54	37	-
	Belfort ...	?	35	W	1	o	?	?	35	?	+ 1	W	1	r	*	46	34	-
	Lyons ...	30.51	42	N	2	b	30.54	+ .02	37	35	+ 5	N	1	0	*	47	32	-
	Nice ...	30.24	48	SW	5	b	30.38	+ .42	40	35	- 4	E	4	b	2	54	39	-
	Perpignan ...	30.41	49	NW	6	b	30.48	+ .16	45	39	+ 2	NW	2	b	*	53	43	-
	Biarritz ...	30.62	48	NNE	4	b	30.56	- .07	39	37	- 1	ESE	2	b	3	52	37	-
PENIN. & SULLA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.21	59	NNE	5	b	30.28	+ .02	48	40	+ 2	NE	6	b	4	54	46	-

For Explanation of Columns, see bottom of p. 1.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Thursday, 5th March, 1891.

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.

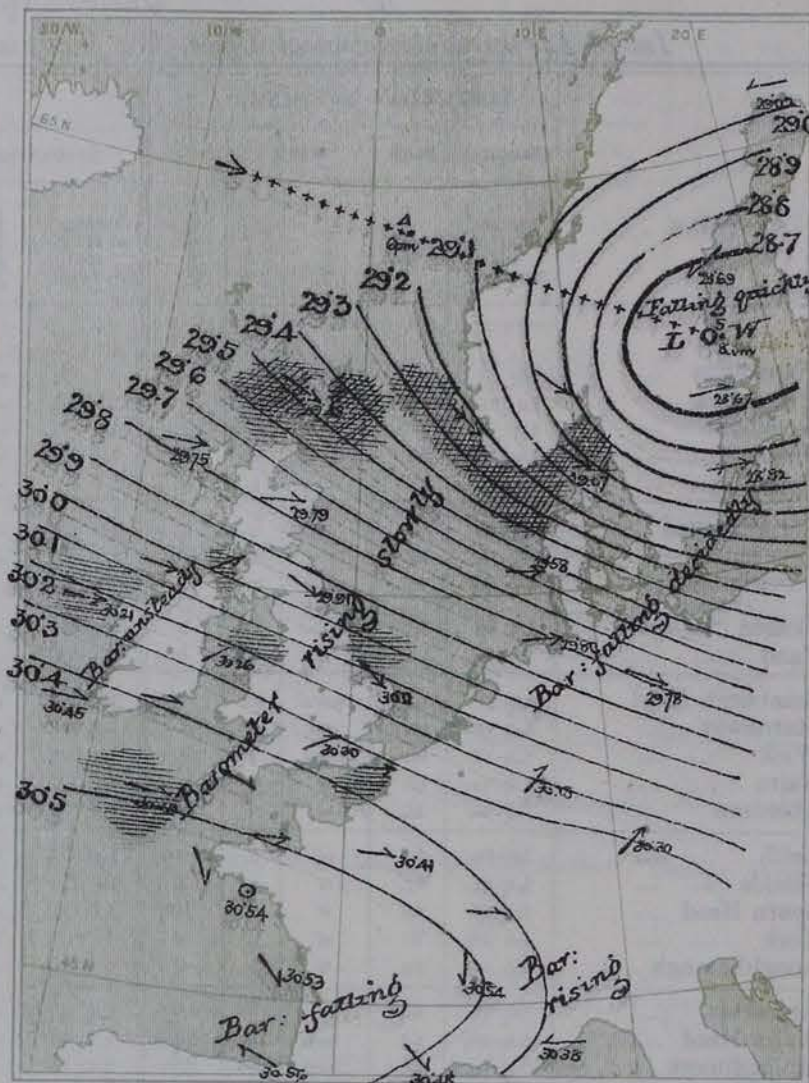
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.741
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shield	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghnore	29.874
Donaghadee	29.884
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Rocha's Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.981
Hurst Castle	29.954
Dover	29.933
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.

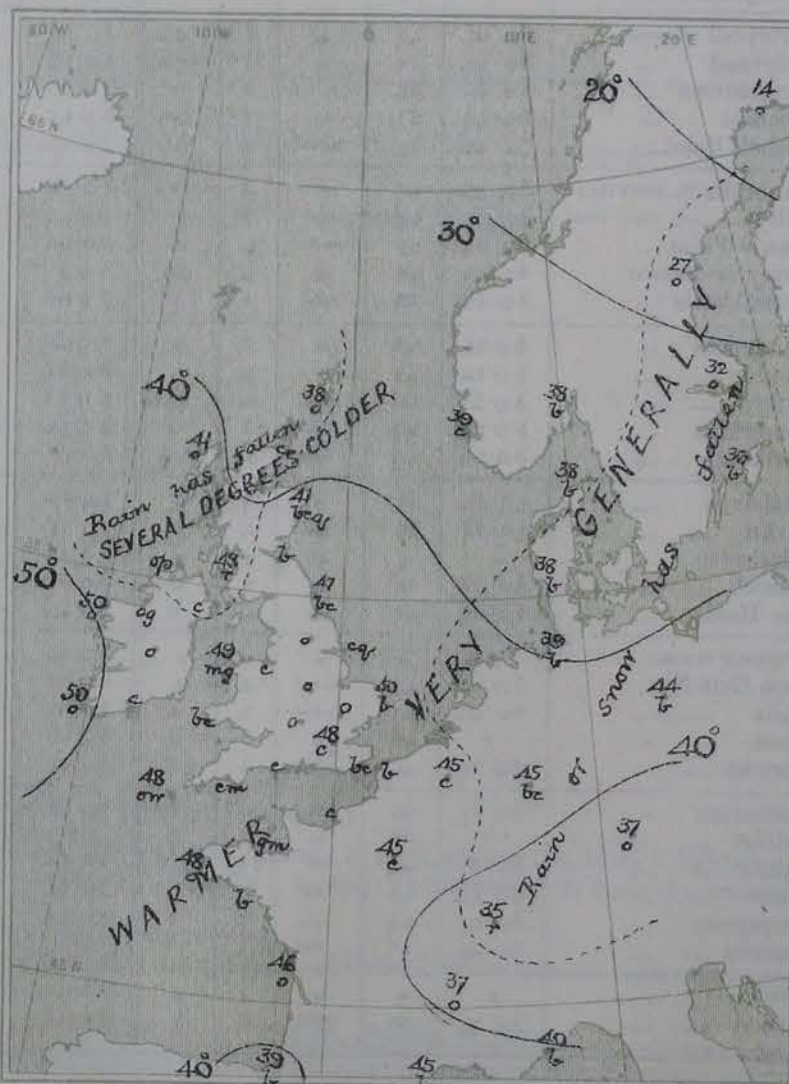
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	42.0	33.0	38.3	36.9	2.79
Stornoway	41.9	34.5	39.1	38.1	3.79
Wick	41.8	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
Shield	45.9	35.2	39.4	37.8	1.75
Spurn Head	41.7	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	33.3	40.1	38.5	2.14
Mullaghnore	47.9	38.4	41.0	40.2	2.04
Donaghadee	37.2	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	1.20
Rocha's Point	49.7	39.5	43.3	41.5	3.71
Pembroke	48.6	39.1	42.1	40.3	2.40
Scilly	49.5	42.5	43.0	41.2	2.10
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	1.84
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	33.0	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in. and upwards, in an anticyclone lying over the Bay of Biscay, and the greater part of France.
Lowest, 28.7 in. and less, in a depression lying over central Sweden.

Greatest steep over Denmark, North Germany, the Baltic, and the eastern parts of the North Sea, but moderate or slight elsewhere.

Barometer falling quickly in Sweden and less rapidly in Germany, rising in most other parts, but unsteady on our extreme western coasts.

TEMPERATURE

Highest, 51° at Loughborough and Cambridge and 50° at York, Belmullet, Donaghadee, Liverpool, Valencia Island and Yarmouth.

Lowest 14° at Haparanda, 27° at Helsingfors, 32° at Stockholm, 35° at Brest, 36° at Marseilles, and 37° at Lyons.

During yesterday the thermometer rose a little above 50° in most parts of the United Kingdom, the highest readings of all being 57° at Aberdeen and 56° at Donaghadee.

WIND

Moderate to fresh from the Wnd over our Islands, the Netherlands and Germany; strong to a gale from the same quarter or from NW, over the Baltic and the coast of Scandinavia.
Light from the NWnd in France; strong from NE at Lisbon.

WEATHER

Fair over the greater part of Western Europe, but dull in places and showery at some of our northwestern stations.

A little rain fell yesterday on some parts of our western and extreme northern coasts. Lightning was seen at Altona in the evening.

SEA

High in the extreme north and rough or rather so on all the more exposed parts of our eastern and western coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of the advance of any fresh disturbances, but the unsteadiness of the barometer in the west seems to show that the weather is not yet settled.

FORECASTS

For the 24 hours ending at NOON on 6th March. 1891.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

Wnd winds, moderate to strong; fair to dull and some rain.

1 SCOTLAND
EAST

2 ENGLAND
N.E.

Wnd winds, fresh or strong; fair generally.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

Wnd winds, moderate; fair generally, but perhaps local showers.

5 ENGLAND
SOUTH

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as N^{os} 0 and 1.

7 ENGLAND
N.W.

Same as N^o 2.

8 ENGLAND
S.W.

Same as N^{os} 3 to 5.

9 IRELAND
NORTH



Wnd winds, strong; dull, some rain.

10 IRELAND
SOUTH

Same as N^{os} 3 to 5.

WARNINGS

The signals have now been lowered on all 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.

	THER.		WIND		WEA.	SEA		THER.		WIND		WEA.	SEA
	BAR.	D.	W.	D.				BAR.	D.	W.	D.		
Skudesnaes ...	29.17	41	41	S	q	r	6	Holyhead ...	30.25	51	47	WSW	5
Sumburgh Head ...	29.09	44	42	WSW	q	c	7	Valencia ...	30.50	53	50	W	5
Stornoway ...	29.59	46	45	W	q	c	6	Scilly ...	30.54	50	48	W	4
Aberdeen ...	29.50	57	47	W	q	bq	6	Jersey ...	30.54	50	47	W	5
Shields ...	29.87	51	47	W	4	c	2	Dungeness ...	30.28	46	44	WNW	5
Ardrossan ...	29.92	50	48	W	8	o	6	London ...	30.29	51	47	W	4
Mulin Head ...	29.96	49	47	W	7	o	5	Yarmouth ...	30.11	50	46	WNW	6
Mullaghmore ...	30.22	50	48	WSW	7	om	6	Rocheport ...	30.59	51	48	WNW	3
Belmullet ...	30.27	52	50	W	7	bc	*						

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

Weather in morning fine and bright over the Bay of Biscay, Spain, France, south Germany and southern Russia, also over Denmark and the northern parts of Sweden, cloudy or overcast in most other places, and very unsettled over Norway, the North Sea and the northern parts of the British Isles, as well as over Italy and the eastern half of the Mediterranean; snow in the west of Norway, rain at Sumburgh Head and Malin Head and also at Rome. Rain later at several of our northern stations and over Germany, snow in Norway.

Temperature fallen considerably over southern and central Europe and on the shores of the Baltic, risen fast over our Islands, especially in the north. Morning readings touching 50° at Stornoway, Valencia Island, Corunna and Malta, and ranging between 50° and 55° on the western side of the Mediterranean, exceeding 40° all over the British Islands, much lower elsewhere. Lowest (1) 7° at Archangel, 13° at Uleaborg, 15° at Kuopio, 24° at Helsinki and Hangö; (2) 9° at Hermannstadt, 17° at Alkharlov, 22° at Kiev. Rising to 58° in some parts of Scotland later, and to 50° or more in many parts of our Islands and France.

Wind (1) strong to a gale from the Wnd or SWnd over the northern parts of our Islands and in Norway, moderate to fresh from the NWnd over the North Sea, and from W. in Germany, light and variable over northern Russia; (2) strong to a gale from the NWnd (NE to NW) over the Mediterranean and Spain, very light and variable over southern Europe. Gale becoming severe at Scotch stations and in Norway later and wind blowing gustily over our southern districts also.

Barometer highest 30.7 ins. to 30.3 ins. in an anticyclone covering the Bay of Biscay, north of Spain, France, and the southwestern part of the British Islands, and exceeding 30.1 ins. in a "col" spreading east-southwards across south Germany and Austria to the Black Sea. Lowest 29.2 ins. and less over Lapland and the White Sea, 29.3 ins. and less in a deep depression over the Shetlands, 30.0 ins. and less in a large disturbance of irregular form stretching from the southeast of France over Corsica, Sardinia and Sicily to the southeastern parts of the Mediterranean. Northern depression becoming still deeper later and moving east-southwards.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Friday, 6th March,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.08	17	NE	2	S	29.08	+ .06	15	15	+ 1	?	2	0	*	23	7	0.04
	Hernösand ...	29.08	29	N	2	b	29.15	+ .46	13	13	- 14	Z	0	6	*	34	?	0.04
	Stockholm ...	29.12	28	W	4	0	29.31	+ .64	22	20	- 10	NW	2	6	*	30	?	-
	Wisby ...	29.17	35	NW	6	b	29.37	+ .55	32	28	- 4	NW	6	6	*	39	25	-
	Bodö ...	29.25	20	ESE	1	b	28.93	+ .02	21	19	0	ESE	4	0	2	25	16	-
	Christiansund	29.30	29	NW	8	S	29.01	+ .02	31	30	- 4	ESE	6	S	5	35	23	0.20
	Skudesnaes ...	29.51	36	NW	3	S	29.17	- .15	39	36	0	W	6	C	5	39	32	-
	Christiania Fjord (Færd)	29.39	36	NW	5	b	29.18	+ .25	34	34	- 4	SSE	3	T	3	41	32	-
	Skagen (The Scaw)	29.54	35	NW	4	b	29.27	+ .20	35	35	- 3	SW	3	T	3	41	34	0.08
	Fanö ...	29.73	37	W	5	b	29.52	- .06	40	37	+ 2	W	7	0	*	41	36	-
BRITISH ISLANDS.	Sumburgh Head	29.49	37	NW	3	b	29.25	- .20	31	30	- 7	NW	4	OSP	6	41	30	0.09
	Stornoway ...	29.63	41	W	4	0	29.50	- .25	34	33	- 7	NW	6	S	6	43	31	0.25
	Wick ...	29.64	39	NW	3	0	29.47	- .20	32	32	- 7	NW	5	OS	4	47	32	0.14
	Nairn ...	29.67	41	NW	2	0	29.52	- .23	35	34	- 4	NW	4	0	3	44	33	0.28
	Aberdeen ...	29.71	46	NW	2	cg	29.54	- .25	39	35	- 2	NW	3	0	3	49	37	-
	Leith ...	29.80	49	W	5	bc	29.64	- .25	41	39	- 5	W	3	C	*	50	39	0.04
	Shields ...	29.88	50	NW	5	bc	29.64	- .27	49	45	+ 2	W	7	C	2	54	45	-
	Spurn Head ...	30.02	49	NW	6	bc m	29.83	- .19	44	41	- 4	NW	6	bc	4	52	42	-
	York ...	30.05	51	NW	3	C	29.77	- .28	47	44	- 3	W	6	bc	*	53	44	-
	Loughborough	30.17	50	NW	3	bc	29.97	- .22	42	39	- 9	SW	6	cg	*	57	41	-
GERMANY & HOLLAND.	Ardrossan ...	29.90	49	NW	7	0	29.71	- .26	42	40	- 6	W	6	T	4	49	41	0.23
	Malin Head ...	29.89	47	W	7	og	29.73	- .25	39	39	- 8	NW	5	OT	4	48	39	0.16
	Mullaghmore ...	30.09	49	NW	7	og m	29.86	- .32	45	44	- 4	NW	6	od	5	51	45	0.05
	Belmullet ...	30.12	49	NW	8	0	29.90	- .31	44	44	- 6	NW	4	op	*	52	44	0.20
	Donaghadee ...	30.03	50	NW	8	bc	29.77	- .34	46	46	- 4	NW	6	T	4	54	45	0.04
	Liverpool (Bidston)	30.14	49	NW	5	0	29.90	- .27	46	43	- 4	NW	6	C	4	55	45	-
	Holyhead ...	30.19	47	SW	4	og m	29.96	- .30	45	43	- 4	SW	6	cg q	5	54	45	-
	Parsonstown ...	30.24	48	SW	2	bc	29.99	- .32	48	45	- 1	SW	2	C	*	54	45	-
	Valencia ...	30.33	49	NW	4	cm	30.11	- .34	49	47	- 1	NW	5	om	5	52	46	-
	Roche's Point ...	30.32	50	W	3	bc	30.09	- .33	47	44	0	W	3	bc	3	55	44	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.31	46	NW	4	bc	30.11	- .27	45	43	- 3	NW	5	cg	5	49	44	-
	Scilly ...	30.40	48	NW	3	bc	30.22	- .27	47	45	- 1	SW	4	0	4	52	44	-
	Prawle Point ...	30.40	47	NW	5	b	30.24	- .21	45	43	- 2	NW	5	og	4	52	43	-
	Jersey (St. Aubin's)	30.47	48	W	4	0	30.30	- .21	47	44	0	SW	4	og m	3	50	45	-
	Hurst Castle ...	30.31	45	NW	6	C	30.20	- .20	43	42	- 2	NW	6	C	3	50	42	-
	Dungeness ...	30.25	45	W	6	C	30.12	- .17	43	42	- 4	W	6	C	5	54	42	-
	London ...	30.26	50	W	4	b	30.10	- .20	40	38	- 8	NW	5	C	*	57	38	-
	Oxford ...	30.23	45	SW	6	C	30.10	- .21	42	40	- 4	SW	4	cg	*	56	40	-
	Cambridge ...	30.19	52	W	2	bc	30.02	- .20	44	41	- 7	SW	3	C	*	60	40	-
	Yarmouth ...	30.10	53	NW	5	bc	29.96	- .15	43	40	- 7	W	4	C	3	56	41	-
PENINSULA.	Cuxhaven ...	29.88	40	W	7	0	29.80	0.00	42	40	+ 3	W	6	0	*	44	39	-
	Berlin ...	29.49	44	NW	1	0	29.83	+ .05	47	46	+ 3	W	5	0	*	48	39	0.04
	Wiesbaden ...	*	*	*	*	*	30.18	0.00	45	41	0	SW	2	0	*	50	43	-
	Munich ...	30.34	40	SW	7	0	30.27	- .03	40	37	+ 3	SW	5	0	*	43	37	-
	The Helder ...	30.04	43	SW	4	C	29.91	- .13	41	39	0	SW	4	C	4	45	41	-
	Brussels (s.m.)	*	*	*	*	*	30.16	- .10	42	41	- 3	SW	5	0	*	54	41	-
	Cape Gris Nez	30.27	42	NW	5	f	30.17	- .09	42	40	- 1	W	6	0	5	46	39	-
	Paris ...	30.42	53	NW	2	bc	30.34	- .07	44	42	- 1	W	1	bc	*	59	39	-
	Brest ...	30.54	53	SW	1	0	30.32	- .25	47	46	- 1	SW	2	0	2	57	43	-
	Lorient ...	30.38	47	W	2	b	30.30	- .24	37	36	- 6	SE	1	m	3	50	37	-
PENINSULA.	Rochefort ...	30.49	48	NW	3	b	30.32	- .21	39	38	- 7	ESE	3	b	4	55	30	-
	Belfort ...	?	36	W	1	0	?	?	37	?	+ 2	W	1	0	*	46	35	-
	Lyons ...	30.56	48	NNE	1	b	30.46	- .08	35	34	- 2	NW	1	b	*	54	32	-
	Nice ...	30.35	45	N	4	C	30.41	+ .03	42	39	+ 2	E	4	b	0	55	37	-
	Perpignan ...	30.45	52	N	2	b	30.41	- .07	36	34	- 9	SW	2	b	*	57	34	-
	Biarritz ...	30.49	50	NNE	3	b	30.31	- .25	40	37	+ 1	ESE	3	b	3	54	36	-
	Corunna ...	*	*	*	*	*	30.19	- .09	47	41	- 1	ESE	5	b	2	64	46	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Friday, 6th March, 1891.

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.

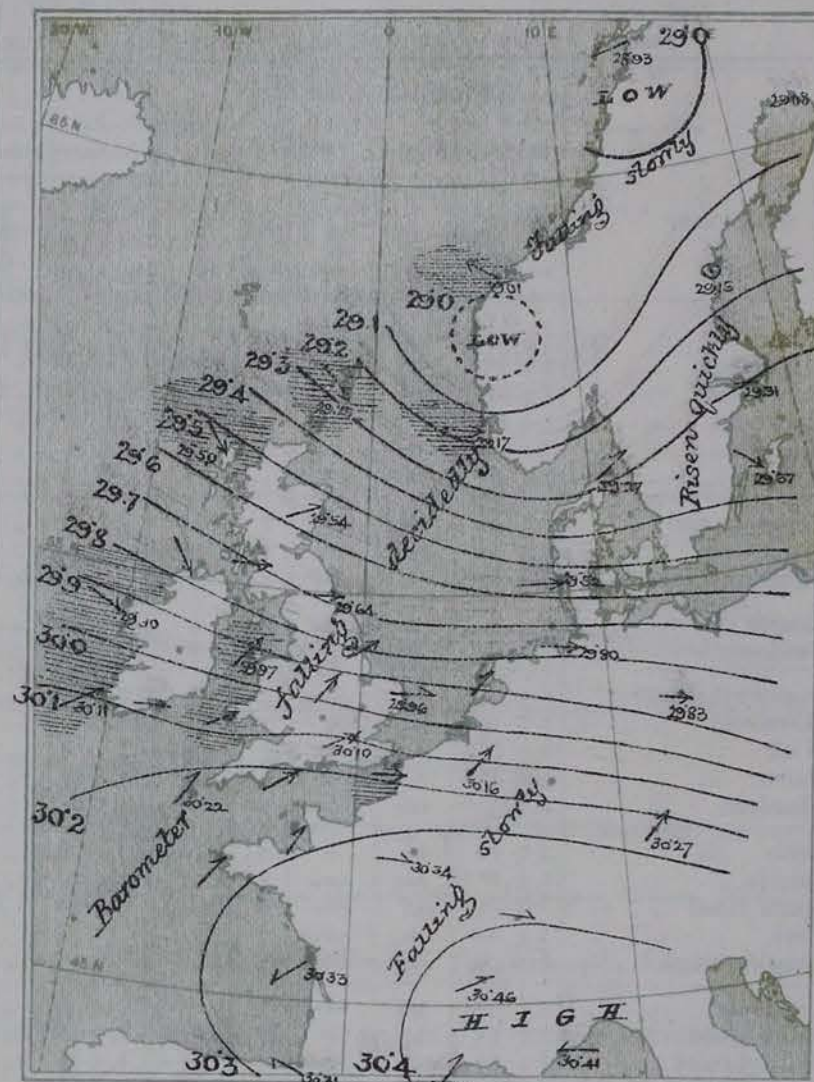
SEA DISTURBANCE—Where considerable, is shown thus:

≡ = 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	29.874
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roch'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.

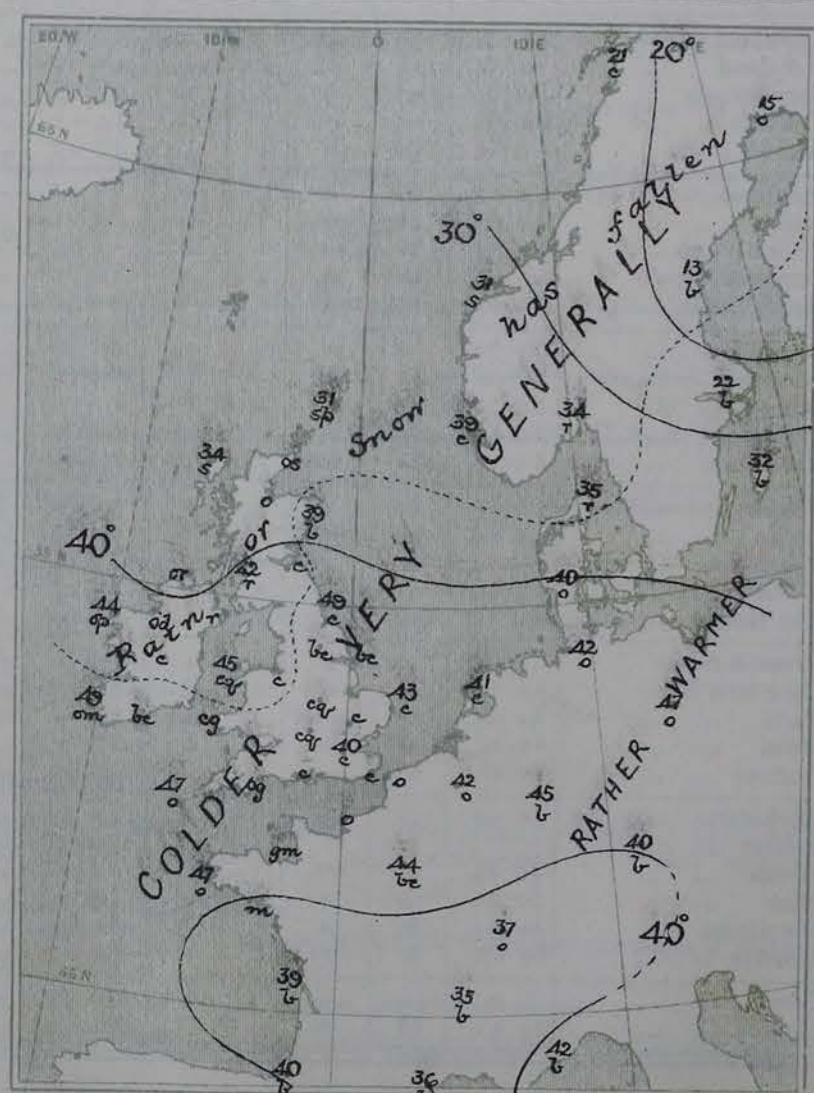
WEATHER is shown by Letters of the Beaufort Scale.

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.	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	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	36.5	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	38.1	41.9	40.2	2.61
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	44.0	42.8	4.20
Roch's Point	49.7	39.0	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	42.0	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	1.84
Dover	40.4	36.9	40.7	39.2	1.82
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	35.6	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards, in an anticyclone lying over the central and southern parts of France.

Lowest, 29.0 ins. and less, in two areas lying over the coast of Norway.

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

Barometer falling in all parts of Western Europe, — decidedly at Valencia Island, — but rising in Sweden.

TEMPERATURE

Highest, 43° at Shields and Valencia Island, 44° at Ramsgate, and 47° at York, Rochester, Lillie, Jersey, Brest, Berlin, and Boston.

Lowest, 13° at Helsingfors, 15° at Haparanda, 21° at Riga, 22° at Stockholm, and 31° at Christiana and Lumburg Head.

During yesterday the thermometer rose to 57° at Loughborough and in London and 60° at Cambridge.

WIND

NW² on our extreme north and northwest coasts, but SW¹ or W¹ over the remainder of our Islands and also over Denmark, Germany, the Netherlands and the south of Scandinavia; strong in force in most places.

Light from the E² in the west and south of France; moderate to strong from the same quarter in the west of Norway; calm in Central Sweden.

WEATHER

Rain in the north of Ireland and the west of Scotland; snow falling in the north of Scotland and also at Christiana.

Fair or fine in nearly all other localities, but dull at the German stations.

No rain fell yesterday in any part of England. Aurora was seen at Skagen at night.

SEA

Rough off the north of Scotland and rather rough at some of our western and southern stations, as well as off the coast of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over France is moving eastwards, and conditions are becoming more favourable for the advance of depressions over the southern parts of our Islands. There are, however, at present no indications of the approach of any definite disturbance.

FORECASTS

For the 24 hours ending at NOON on 7th March. 1891.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

NW² and W² winds, strong in places;
unsettled, some snow or sleet showers.

1 SCOTLAND
EAST

2 ENGLAND
N.E.

W² winds, fresh or strong; fair to showery.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

SW² and W² winds, strong; fair at first,
unsettled later, probably some showers.

5 ENGLAND
SOUTH

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as No 0 and 1.

7 ENGLAND
N.W.

8 ENGLAND
S.W.

Same as Nos 3 to 5.

9 IRELAND
NORTH



Same as No 0 and 1.

10 IRELAND
SOUTH

W² winds, force doubtful, unsettled,
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		WEA	SEA		BAR.	THER.		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnes	29.49	35	33	W	5	shg	6	Holyhead	30.21	54	48	W	4	bc	4
Stromburgh Head	29.51	39	36	W	4	bc	7	Valencia	30.40	52	49	SW	5	cg	3
Stornoway	29.73	43	41	W	4	c	4	Scilly	30.46	51	50	W	3	bc	5
Aberdeen	29.76	48	42	W	5	bcg	4	Jersey	30.51	50	47	W	4	c	3
Shields	29.89	53	49	W	0	c	2	Dungeness	30.28	51	49	W	5	bc	4
Ardrossan	29.94	49	47	W	2	T	2	London	30.27	56	51	W	4	c	*
Mulin Head	29.92	48	46	W	7	c	4	Yarmouth	30.09	56	50	W	6	cg	3
Mullaghmore	30.15	50	46	W	7	om	6	Rochefort	30.61	53	50	W	3	b	*
Belmullet	30.18	51	48	W	6	o	*								

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

Weather fine and bright over the Mediterranean and Spain, changeable over the British Islands, and Central Europe rough and unsettled over northern Europe, the Baltic and Russia. Snow falling at Kuopio, Moscow, and Lemberg, as well as at many of the Baltic stations, rain at Warsaw, Cracow, and Wrocław, and on the northwestern coasts of the British Islands, fog at Constantinople. Rain and sleet later in the north of Ireland, Scotland, and some parts of Norway and Germany, but weather fair generally over England and France.

Temperature risen considerably on the Continent and over England, fallen decidedly in Scotland. Morning readings exceeding 50° on the southern side of the Mediterranean, on the Portuguese coast, and in the extreme west of Ireland, as well as at a few English stations, below 40° on the eastern shores of the North Sea and over the Baltic, and as low as (1) +1° at Archangel, 14° at St. Petersburg, 19° at Kuopio, 26° over the Gulf of Finland, 28° at Riga, (2) 21° at Hermannstadt, 28° at Lemberg, 31° at Odessa, and also at Florence, rising later to between 54° and 60° in many parts of England and France and to 64° at Lisbon — not touching 50° over the northern part of Scotland.

Wind blowing a gale from between W. and NW over many parts of the British Islands, North Sea, Scandinavia, the Baltic and Germany, and from the SE in the Gulf of Bothnia. Fresh to strong from the same quarter or SW over the southern parts of Ireland, England, the Netherlands, and Austria, nearly calm over the Bay of Biscay and west of France and north of Italy, NE to E over Spain, N to NW over Algeria. Backing somewhat at our western stations later, and becoming still stronger in the northwest of Ireland.

Barometer highest 30.5 ins. and more to 30.4 ins. in an anticyclone lying over the Bay of Biscay, Spain, France, and the southwest of our Islands, and ranging between 30.4 ins. and 30.1 ins. in a "ridge" stretching from the southeast of France, across the whole of Italy, Austria, and southeastern Europe. Lowest, 29.7 ins. and less in a deep depression lying over Sweden (centre between Stockholm and Hernösand) and about 29.7 ins. in a zone stretching from Caithness across Holstein, to Poland and thence in a northeasterly direction to Central Russia. Falling somewhat over our Islands later.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for *Saturday, 7th March, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.01	17	NE	2	bc	29.23	+15	6	5	-9	Z	0	bc	*	23	?	0.04	
	Hernösand ...	29.04	17	Z	0	bc	29.09	-06	22	21	+9	N	2	0	*	41	10	-	
	Stockholm ...	29.99	27	F	4	S	29.04	-27	20	19	-2	W	2	0	*	28	19	0.08	
	Wisby ...	29.01	36	SW	8	S	29.10	-27	30	29	-2	NW	8	c	*	37	28	0.04	
	Bodö ...	28.93	24	E	4	C	28.90	-03	21	19	0	ESE	4	bc	2	27	19	-	
	Christiansund	28.99	30	NE	3	C	29.16	+15	27	26	-4	SW	6	C	4	30	27	0.08	
	Skudesnaes ...	29.20	35	WNW	8	0	29.34	+17	30	27	-9	NW	7	C	5	41	27	-	
	Christiania Fjord (Færder)	29.06	35	WNW	5	0	29.13	-05	31	26	-3	WNW	5	b	4	39	30	-	
	Skagen (The Scaw)	29.17	35	W	7	b	29.32	+05	34	31	-1	WNW	6	bc	4	41	34	-	
	Fanö ...	29.52	36	W	6	b	29.52	00	36	34	-2	W	4	b	*	41	34	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.39	31	N	3	C	29.48	+23	27	25	-4	N	1	C	4	34	24	0.04	
	Stornoway ...	29.58	34	NW	4	0	29.68	+18	23	23	-11	N	4	bc	4	37	22	0.25	
	Wick ...	29.52	29	NW	2	0	29.60	+13	21	21	-11	NW	1	b	1	42	15	0.33	
	Nairn ...	29.59	30	WNW	4	0	29.64	+12	28	26	-7	WNW	1	C	1	38	21	0.11	
	Aberdeen ...	29.62	32	WNW	5	bcqps	29.63	+09	29	27	-10	WNW	2	b	3	43	26	0.02	
	Leith ...	29.67	43	W	3	bc	29.63	-01	31	30	-10	Z	0	C	*	47	28	0.05	
	Shields ...	29.70	41	W	1	C	29.61	-03	33	32	-16	NW	3	C	2	50	30	0.03	
	Spurn Head ...	29.75	44	NW	5	0	29.63	-20	41	39	-3	W	4	opm	4	52	39	0.07	
	York ...	29.77	42	W	4	0	29.63	-14	38	36	-9	NW	2	C	*	53	34	0.04	
	Loughborough	29.83	48	SW	4	C	29.69	-28	40	40	-2	WSW	1	odm	*	54	39	0.21	
GERMANY & HOLLAND.	Ardrossan ...	29.71	41	W	3	bph	29.63	-08	29	28	-13	ESE	2	cm	2	45	25	0.20	
	Malin Head ...	29.73	39	W	4	bp	29.62	-11	33	33	-6	SW	1	bcsp	2	42	32	0.03	
	Mullaghmore ...	29.80	41	NW	5	cp	29.66	-20	36	35	-9	WNW	1	cp	3	45	35	0.14	
	Belmullet ...	29.83	42	NW	3	0	29.71	-19	34	34	-10	NW	1	b	*	44	33	0.20	
	Donaghadee ...	29.79	41	NNE	5	C	29.65	-12	35	34	-11	WNW	3	b	2	47	33	0.06	
	Liverpool (Bidston)	29.81	42	WNW	4	T	29.67	-23	40	38	-6	W	3	0	3	52	38	0.10	
	Holyhead ...	29.85	43	WNW	2	rmq	29.68	-28	41	39	-4	WNW	3	C	3	48	40	0.33	
	Parsonstown ...	29.87	45	Z	0	C	29.71	-28	38	37	-10	Z	0	C	*	51	37	0.13	
	Valencia ...	29.95	49	WNW	3	rgm	29.76	-35	42	40	-7	NW	2	ogqp	2	54	41	0.09	
	Roche's Point...	29.92	50	W	5	0	29.74	-35	43	41	-4	WNW	2	C	3	53	42	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.93	46	SW	5	C	29.74	-37	45	42	0	W	3	og	3	47	44	0.04	
	Scilly ...	30.03	48	WNW	5	0	29.81	-41	48	47	+1	WNW	4	C	4	49	45	-	
	Prawle Point ...	30.04	45	W	4	0	29.81	-43	45	45	0	W	4	C	3	46	41	-	
	Jersey (St. Aubin's)	30.13	47	WNW	4	ogm	29.89	-41	46	44	-1	SW	4	ogp	4	48	44	0.01	
	Hurst Castle ...	30.01	45	WNW	7	C	29.79	-41	45	44	+2	WNW	6	C	3	46	43	-	
	Dungeness ...	29.96	44	WSW	6	C	29.75	-37	44	43	+1	WSW	6	C	4	43	42	-	
	London ...	29.93	48	WSW	4	bc	29.74	-36	45	42	+5	W	2	0	*	55	40	-	
	Oxford ...	29.89	44	W	6	bc	29.73	-37	44	43	+2	SW	3	og	*	51	42	-	
	Cambridge ...	29.88	45	SW	3	0	29.69	-33	45	44	+1	SW	2	0	*	56	40	0.06	
	Yarmouth ...	29.82	49	W	5	C	29.67	-29	41	40	-2	Z	0	cm	3	54	39	0.02	
PENIN- SULA.	Cuxhaven ...	29.68	41	WSW	7	T	29.67	-13	37	36	-5	WSW	3	bc	*	43	36	0.08	
	Berlin ...	29.73	47	W	6	bc	29.71	-12	37	36	-10	W	2	T	*	48	36	0.04	
	Wiesbaden ...	*	*	*	*	*	29.87	-31	46	42	+1	SW	3	0	*	54	41	-	
	Munich ...	30.13	46	SW	5	b	29.98	-29	44	39	+4	SW	4	C	*	52	39	-	
	The Helder ...	29.79	41	W	3	0	29.68	-23	38	37	-3	SW	1	C	2	43	37	-	
	Brussels (9 a.m.)	*	*	*	*	*	29.82	-34	42	41	0	SW	5	0	*	50	41	-	
	Cape Gris Nez	29.99	43	W	6	0	29.77	-40	42	41	0	WNW	6	C	6	45	39	-	
	Paris ...	30.12	51	WSW	2	b	29.95	-39	36	35	+8	SSW	1	bc	*	59	33	-	
	Brest ...	30.16	48	SW	1	0	29.94	-38	47	46	0	SW	3	0	2	52	43	-	
	Lorient ...	30.14	48	Z	0	b	29.93	-37	46	44	+9	WNW	2	0	2	52	39	-	
PENIN- SULA.	Rocheport ...	30.09	55	SE	4	b	29.97	-35	44	43	+5	SW	3	b	*	59	34	-	
	Belfort ...	?	38	W	2	C	?	?	40	?	+3	W	4	bc	*	53	34	-	
	Lyons ...	30.20	53	S	2	b	30.11	-35	46	41	+11	S	4	b	*	59	35	-	
	Nice ...	30.34	48	SW	3	C	30.29	-12	42	41	0	NW	3	b	0	55	?	-	
	Perpignan ...	30.22	52	N	1	b	30.16	-25	35	35	-1	SW	1	b	*	58	33	-	
	Biarritz ...	30.14	64	W	3	b	30.06	-25	54	46	+14	WNW	3	b	1	70	40	-	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Saturday, 7th March, 1891.

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.

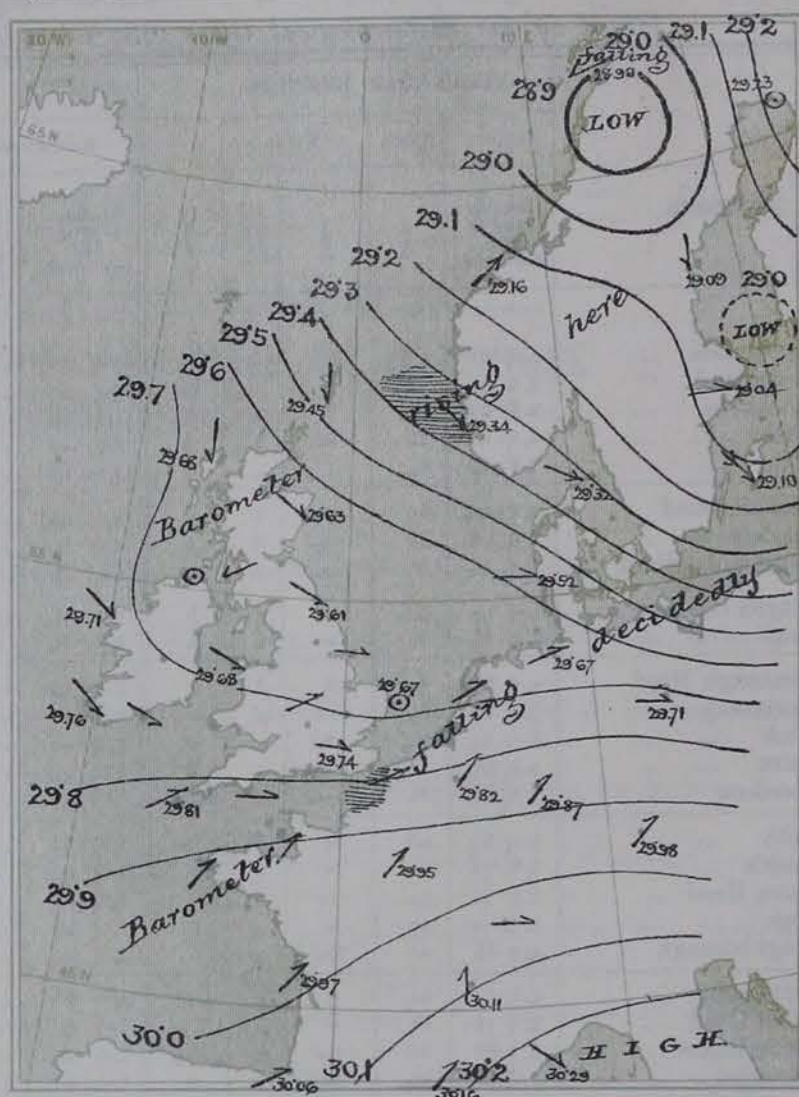
SEA DISTURBANCE—Where considerable, is shown thus:

— 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
Sourth Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.874
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	29.959
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.

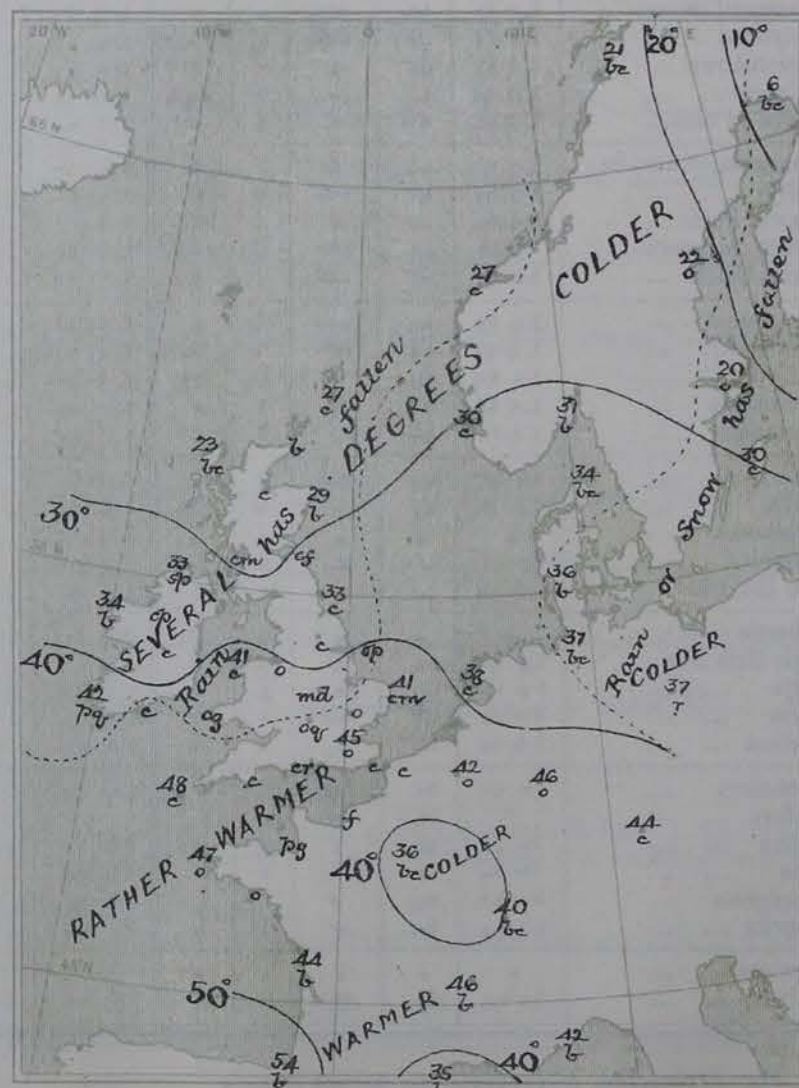
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	38.5	36.0	2.79
Stornoway	41.2	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	1.88
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	1.73
Sourth 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	40.3	39.3	40.1	38.5	2.44
Mullaghmore	47.8	38.4	41.9	40.2	2.61
Donaghadee	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	40.1	38.8	2.83
Valencia	51.1	40.2	44.9	42.8	1.26
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	48.0	39.1	43.1	40.3	3.40
Sally	49.5	42.5	45.0	44.2	2.40
Prawle Point	43.1	37.7	42.0	41.2	1.85
Jersey	40.5	39.9	41.0	42.0	2.33
Hurst Castle	47.5	37.2	41.0	40.1	1.84
Dover	46.4	36.9	40.7	39.2	1.82
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.0	38.9	37.1	1.50
Cambridge	50.2	33.9	38.9	37.5	1.40
Yarmouth	45.2	34.9	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, 30.2 in. and upwards, in the south of France.

Lowest, 28.3 in. and less, in a depression lying over the northwest of Norway; 29.0 in. and less, in another disturbance over the southern part of the Gulf of Germany.

Gradients moderate or slight generally. Barometer rising in Scotland and Scandinavia, but falling elsewhere, briskly over France, Germany, and the south of our Islands.

TEMPERATURE

Highest, 54° at Biarritz, 51° at Lisbon, 48° at Biele, 47° at Brest, and 46° at Jersey, Wiesbaden, Lorient and Lyons.

Lowest, 6° at Haparanda, 20° at Stockholm, 21° at Rode and Wiell, 22° at Helsingfors, and 23° at Tromsø.

During yesterday the thermometer rose to 55° in London and 56° at Cambridge, in the extreme north of Scotland it did not reach 40°.

WIND

Light from the N^W in the north of Scotland and from the NW^W on other parts of our northern and also on the Irish coast.

Moderate from the NW^W or SW^W over England, France, the Netherlands and Germany.

Strong from the NW^W in the south of Scandinavia, with a gale at Narvik.

WEATHER

Fair generally, but showery at a few of the Irish and English stations.

Rain, hail, or snow fell yesterday in all but the extreme southern parts of the United Kingdom. A solar halo was seen in London and at Lutterworth yesterday.

SEA

Moderate or slight generally, but rough at Cape Fin Noy and rather rough at Skudeneshavn.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure over our Islands is becoming somewhat irregular, and rain seems likely to occur shortly over our southern districts.

FORECASTS

For the 24 hours ending at NOON on 8th March 1891.

DISTRICTS.

FORECASTS.

0 SCOTLAND

NORTH

N^W and NW^W winds, light; fair generally.

1 SCOTLAND

EAST

2 ENGLAND

N.E.

NW^W winds, light or moderate; fair generally, but local showers.

3 ENGLAND

EAST

4 MIDLAND

COUNTIES

W^W to NW^W winds, moderate; changeable, some showers, becoming colder.

5 ENGLAND

SOUTH

DISTRICTS.

FORECASTS.

6 SCOTLAND

WEST

Same as N^o 0 and 1.

7 ENGLAND

N.W.

Same as N^o 2

8 ENGLAND

S.W.

Same as N^o 3 to 5

9 IRELAND

NORTH

10 IRELAND

SOUTH

NW^W to N^W winds, light or moderate; fair generally, but local showers.

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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.19	40	36	W	7	c	5	Holyhead ...	29.87	46	44	SW	6	omgq	5
Sumburgh Head ...	29.30	31	29	W	4	s	6	Valencia ...	29.99	53	51	WSW	5	ogm	5
Stornoway ...	29.56	36	34	W	4	c	5	Scilly ...	30.13	49	47	WSW	4	o	4
Aberdeen ...	29.58	37	33	W	7	bcqsp	5	Jersey ...	30.21	48	45	SW	4	o	4
Shields ...	29.69	46	44	WNW	5	c	2	Dungeness ...	30.01	47	45	WNW	6	c	5
Ardrossan ...	29.70	44	39	W	5	c	4	London ...	29.97	55	49	WNW	4	c	8
Malin Head ...	29.77	42	39	WNW	4	o	4	Yarmouth ...	29.85	54	45	W	5	bc	3
Mullaghmore ...	29.86	43	41	W	5	ogp	4	Rocheport ...	30.26	55	51	WNW	3	b	2
Belmullet ...	29.88	45	42	W	4	o	8								

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

Weather fine and bright over the Spanish Peninsula, the Mediterranean, Adriatic, south of France and south Germany, fair in the north of France and south of England, cloudy and unsettled elsewhere. Snow falling over the greater part of Russia, the north of Scotland and at Christianund, rain at Copenhagen and in the northwest of Ireland. Snow later in considerable quantity over our northern districts, rain in the northwest and at some eastern stations, as well as over North Germany. Solar halos seen over England during day.

Temperature decreasing over the British Islands and northern Europe but still rather high for time of year in the British Isles and their neighbourhood. Morning readings exceeding 50° at Messina and on the southern and eastern shores of the Mediterranean, and exceeding 40° over Ireland, England, the north of France, Mediterranean, Austria and south Germany, lower elsewhere. Lowest of all 13° to 15° over the northern half of Sweden, 21° at Rorö and Uleaborg. Exceeding 55° in many parts of England and France during day, and touching 64° at Lisbon and 70° at Biarritz.

Wind NW³ in Scotland and the Gulf of Finland; W³, strong to a gale over many parts of Ireland, England, the North Sea, North Germany, and Baltic Provinces; SW³ in Austria and south Germany; variable and light over France and Italy, NE³ over Spain, S³ in Algeria. Moderating in our Islands later, and veering to NW in the north of Ireland. Fresh SE wind setting in at Lisbon.

Barometer highest 30.4 in. and more to 30.2 in. in an anticyclone covering the Mediterranean and southern parts of Europe; lowest 28.9 in. and less, in a depression over Finland, 29.0 in. and less, in two others over Norway; gradients somewhat steep over the British Isles, the North Sea, and North Germany. Falling decidedly over France and England later.

EXPLANATION OF 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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 8th March. 1891.
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM. Reading at 32° F. and Sea Level.	TEMP. Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.			
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.06	11	NW	4	s	29.11	- 12	16	16	+ 10	W	2	s	*	21	0	0.43
	Hernösand ...	29.21	21	Z	0	b	29.27	+ 18	25	23	+ 3	W	2	b	*	30	14	-
	Stockholm ...	29.30	21	Z	0	b	29.50	+ 46	18	16	- 2	WSW	2	b	*	30	18	-
	Wisby ...	29.36	34	SW	6	bc	29.56	+ 46	30	27	0	W	4	b	*	37	28	-
	Bodö ...	29.09	15	E	2	b	29.28	+ 38	18	17	- 3	E	2	b	1	23	15	-
	Christiansund	29.26	33	SW	6	o	29.35	+ 19	29	28	+ 2	SW	9	s	5	34	27	-
	Skudesnaes ...	29.49	32	NW	5	bc	29.53	+ 19	32	31	+ 2	NW	6	c	5	32	28	-
	Christiania Fjord (Færder)	29.39	31	NNW	3	b	29.57	+ 44	26	23	- 5	NNW	2	b	2	34	25	-
	Skagen (The Scaw)	29.41	32	NNW	3	b	29.60	+ 28	33	30	- 1	NNW	1	bc	2	37	28	-
	Fanö ...	29.67	31	NNW	4	b	29.69	+ 17	30	30	- 6	SSW	2	c	*	39	28	0.04
BRITISH ISLANDS.	Sumburgh Head	29.48	28	N	2	c	29.68	+ 20	25	25	- 2	NNE	1	s	3	32	21	0.08
	Stornoway ...	29.75	26	N	3	s	29.88	+ 15	24	24	+ 1	N	5	s	4	33	21	0.25
	Wick ...	29.67	25	NW	1	b	29.75	+ 15	25	25	+ 4	NW	2	s	0	29	20	0.26
	Nairn ...	29.71	29	NNW	1	b	29.77	+ 13	27	26	- 1	NNW	2	b	2	34	24	-
	Aberdeen ...	29.72	29	NNW	3	b	29.75	+ 12	28	27	- 1	NW	3	beps	3	34	25	-
	Leith ...	29.69	37	W	2	o	29.72	+ 29	31	30	0	W	2	b	*	37	28	-
	Shields ...	29.67	38	NE	2	o	29.63	+ 02	31	31	- 2	NNE	2	s	3	42	29	0.73
	Spurn Head ...	29.68	34	E	2	s	29.53	- 10	36	35	- 5	E	4	c	3	42	35	0.06
	York ...	29.68	36	E	1	o	29.58	- 05	34	32	- 4	NNW	3	b	*	47	29	0.06
	Loughborough	29.69	39	ENE	2	o	29.60	- 09	35	35	- 5	NW	2	ogm	*	44	34	0.16
GERMANY & HOLLAND.	Ardrossan ...	29.68	34	ENE	1	amsp	29.74	+ 11	28	27	- 1	ENE	1	b	0	35	25	-
	Malin Head ...	29.67	35	NE	4	o	29.75	+ 13	31	29	- 2	NE	4	bep	3	38	29	0.04
	Mullaghmore ...	No observations taken					29.76	+ 10	34	31	- 2	ENE	5	b	2	43	32	-
	Belmullet ...	29.70	37	NE	3	o	29.78	+ 07	34	32	0	E	2	b	*	41	32	0.05
	Donaghadee ...	29.66	38	ENE	5	bc	29.72	+ 07	33	32	- 2	NE	4	b	2	45	32	0.07
	Liverpool (Bidston)	29.66	39	NNW	1	o	29.63	- 04	34	33	- 6	NW	2	o	3	44	33	-
	Holyhead ...	29.65	41	W	2	c	29.66	- 02	36	33	- 5	NNE	4	bc	4	47	34	0.03
	Parsonstown ...	29.67	40	Z	0	bc	29.76	+ 05	23	22	- 15	Z	0	b	*	45	21	-
	Valencia ...	29.69	42	NNW	1	bcv	29.71	- 05	34	32	- 8	NE	4	b	4	47	31	0.02
	Roche's Point...	29.70	43	NW	2	o	29.69	- 05	33	32	- 10	N	2	b	3	45	32	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.68	41	W	2	r	29.61	- 13	38	36	- 7	NNE	2	cgsq	1	47	38	0.20
	Scilly ...	29.69	47	SW	4	r	29.66	- 25	41	39	- 7	NNE	4	r	4	51	39	0.35
	Prawle Point ...	?	45	WSW	4	p	29.58	- 23	38	38	- 7	NE	4	p	3	47	37	0.29
	Jersey (St. Aubin's)	29.80	50	W	4	o	29.60	- 29	47	45	+ 1	S	3	ogm	3	50	45	-
	Hurst Castle ...	29.71	44	WSW	4	r	29.57	- 22	41	40	- 4	NNE	3	c	2	47	40	0.74
	Dungeness ...	29.71	44	WSW	5	o	29.56	- 19	44	44	0	SW	6	o	5	49	42	0.11
	London ...	29.70	45	W	1	o	29.68	- 16	39	38	- 6	W	1	org	*	52	38	0.47
	Oxford ...	29.67	42	SW	2	r	29.59	- 14	36	36	- 8	Z	0	o	*	47	35	0.35
	Cambridge ...	29.68	42	W	1	r	29.57	- 12	39	38	- 6	NW	1	r	*	47	37	0.23
	Yarmouth ...	29.61	49	NE	1	od	29.54	- 13	40	39	- 1	S	1	cm	3	42	37	0.27
PENIN- SULA.	Cuxhaven ...	29.67	37	NW	4	bc	29.74	+ 07	34	33	- 3	E	3	s	*	40	33	0.08
	Berlin ...	29.70	39	W	3	r	29.79	+ 08	36	35	- 1	Z	0	o	*	39	34	0.24
	Wiesbaden ...	*	*	*	*	*	29.80	- 07	42	40	- 4	NNW	2	o	*	54	41	-
	Munich ...	29.91	45	SW	4	b	29.95	- 03	44	39	0	SW	4	c	*	54	37	-
	The Helder ...	29.73	37	NE	1	c	29.58	- 10	34	34	- 4	E	2	s	3	41	34	0.28
	Brussels (9 a.m.)	*	*	*	*	*	29.66	- 16	42	41	0	SSW	4	r	*	47	41	0.04
	Cape Gris Nez	29.74	42	SW	5	c	29.60	- 17	42	41	0	SW	5	r	5	46	39	-
	Paris ...	29.87	49	WSW	2	o	29.75	- 20	41	40	+ 5	SSE	2	o	*	56	35	-
	Brest ...	29.81	49	SW	3	o	29.64	- 30	48	46	+ 1	SW	1	m	2	52	45	0.04
	Lorient ...	29.86	49	SSW	2	o	29.82	- 11	48	48	+ 2	SSW	3	f	2	52	45	0.35
PENIN- SULA.	Rocheport ...	29.92	49	Z	0	o	29.76	- 21	49	46	+ 5	SSW	4	c	2	55	37	-
	Belfort ...	29.99	50	W	1	bc	29.88	- 16	46	42	+ 6	W	1	b	*	52	37	-
	Lyons ...	30.04	48	S	5	b	29.95	- 16	48	43	+ 2	S	6	c	*	56	44	-
	Nice ...	30.19	47	SW	6	b	30.17	- 12	43	40	+ 1	W	4	c	3	55	39	-
	Perpignan ...	30.02	51	NE	2	b	30.02	- 14	39	38	+ 4	W	1	b	*	59	35	-
	Biarritz ...	29.94	64	SSW	3	bc	29.84	- 22	58	47	+ 4	SW	5	b	2	68	54	-
	Corunna ...	*	*	*	*	*	29.75	- 23	54	54	+ 1	S	1	r	4	61	50	0.24
	Lisbon ...	30.00	57	SSW	4	c	29.96	- 09	57	56	+ 6	S	4	o	2	61	51	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Sunday, 8th March, 1891.

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.

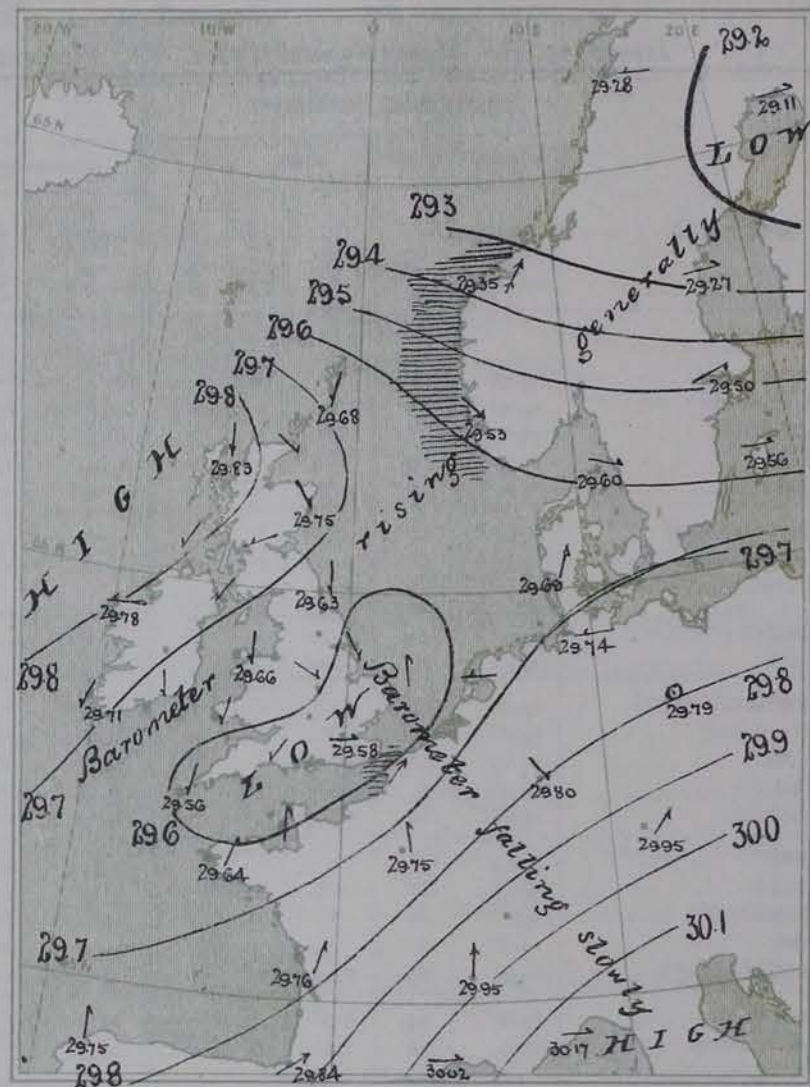
SEA DISTURBANCE—Where considerable, is shown thus:

— = 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	29.741
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Sparn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.955
Mullaghmore	29.974
Donaghadee	29.982
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	29.933
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.

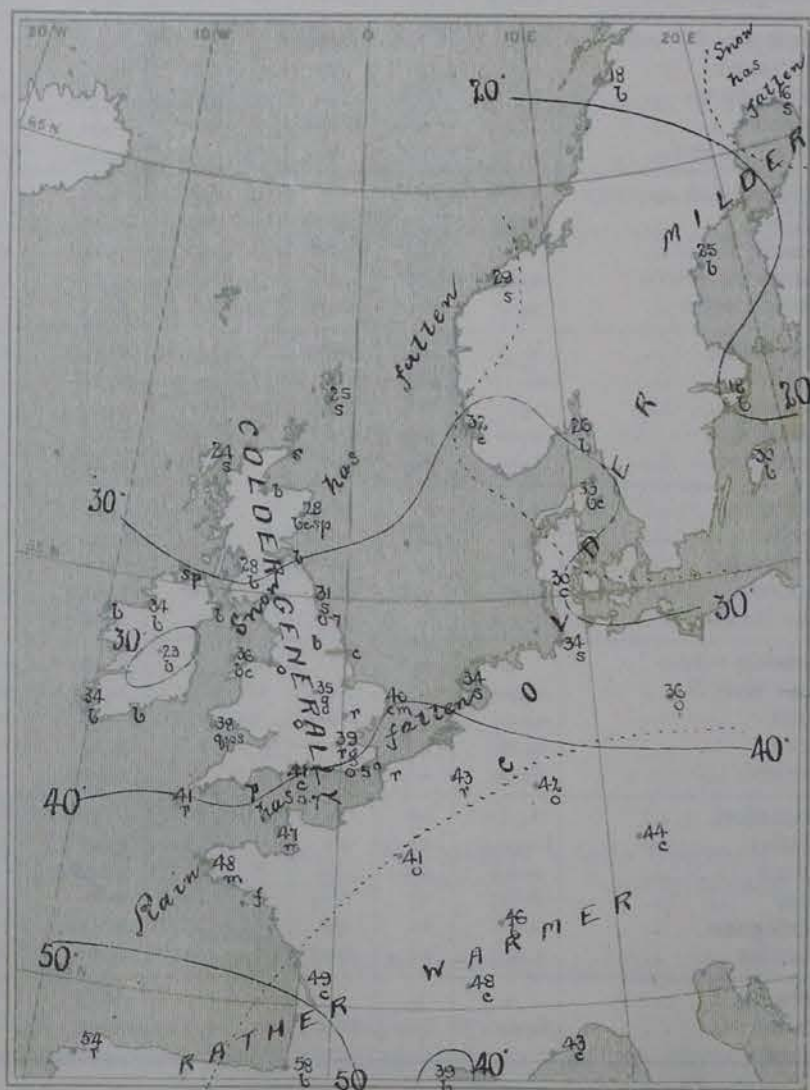
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	42.0	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	33.0	38.0	36.2	1.08
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.0	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Sparn 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	46.2	33.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.0	40.2	2.61
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	41.0	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
Sally	49.5	42.5	45.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.05
Jersey	40.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
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	33.0	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 1866–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards, in the extreme south of France, 29.8 ins. and upwards, in an area lying to the northwards of our Islands.
Lowest, 29.2 ins. and less, in a depression lying over the north of Sweden, 29.6 ins. and less, in a shallow system of irregular form lying over all the more eastern and southern parts of England.

Gradients slight and irregular. Barometer falling steadily over France and the southern parts of the United Kingdom, but rising elsewhere.

TEMPERATURE

Highest, 53° at Biarritz, 57° at Lisbon, 54° at Genoa, 49° at Stockholm, and 48° at Beirut and Port Said.

Lowest, 16° at Haparanda, 18° at St. Petersburg and Stockholm, 23° at Constantinople, 24° at St. Petersburg, and 25° at Helsingfors, Leningrad, and Murmansk.

Frost occurred last night at most of our western and northern stations; at Leningrad and St. Petersburg the thermometer fell to 21°.

WIND

Light or moderate from the N.W. over the greater part of the United Kingdom, but S.W. or S. over Spain, France, and the extreme south of England.

Varying W. (S.W. to N.W.) in Scandinavia, with a gale at Christianmunde.

WEATHER

Dull and rainy over the south and southeast of England; continuous snow falling in the north of Scotland, as well as at Christianmunde, Shields, and Copenhagen, and showers of snow at Aberdeen, Malin Head, and Pembroke.

Fine in Ireland, as well as in Sweden, Denmark, and the south of France.

In the course of the past 24 hours heavy rain, in many parts of England, the largest amounts being 0.7 in. at Shields and Hunt Castle, 0.5 in. in London and 0.4 in. at Lill and Oxford.

SEA

Neither rough off the west of Norway, as well as in the Straits of Dover, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 9th March 1891.

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

FORECASTS.

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 S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	THER: WIND								THER: WIND						
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	29.40	32	32	WNW	3	s	4	Holyhead ...	29.68	44	41	WNW	2	c	2
Sumburgh Head ...	29.57	30	29	N	4	s	4	Valencia ...	29.72	46	41	WNW	1	ops	2
Stornoway ...	29.73	30	30	N	4	c	4	Scilly ...	29.75	50	49	WSW	4	a	4
Aberdeen ...	29.69	34	30	WNW	4	bq	3	Jersey ...	29.83	50	46	WSW	4	c	3
Shields ...	29.67	39	35	NE	2	c	3	Dungeness ...	29.73	46	45	WSW	6	c	4
Ardrossan ...	29.67	35	34	ENE	1	o	1	London ...	29.71	52	48	WNW	3	ov	3
Malin Head ...	29.65	33	32	ENE	3	o	2	Yarmouth ...	29.68	42	41	WNW	1	od	3
Mullaghmore ...	no	Observations	taken.					Rocheport ...	29.99	51	49	WNW	3	bc	2
Belmullet ...	29.69	41	38	WNW	2	o	*								

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

Weather fine and bright over the Mediterranean and southern Europe, dull in the north-east, changeable and unsettled over all the northern and northwestern districts; snow falling in Finland and some of the northwestern parts of our Islands, rain in several parts of Ireland, England and north Germany. Snow falling over nearly the whole of our northern and northwestern districts later, and a great deal of rain at several of the English stations—namely, Shields, London, Hunt Castle and Jersey.

Temperature fallen over the British Islands, northern, and northwestern Europe, risen in the southeast; frost breaking up in latter regions. Morning readings exceeding 50° at many of the Mediterranean, Spanish and Portuguese stations, and exceeding 40° over south and west Germany, the greater part of France, and the southern and southwestern parts of the British Islands; much lower elsewhere. Lowest of all 6° at Kapavanda, 12° at Klabov, 13° at Korkunoff, 14° at Klenburg, and below the freezing point over Northern Europe generally. Not touching 50° over our Islands later (except at Dungeness), but rising to between 50° and 60° over France to 61° at Lisbon and Comma and to 68° at Biarritz.

Wind chiefly NW¹ moderate to light over the British Islands and North Sea, W¹ over Denmark, Germany and the Baltic (strong, to a gale) and mainly SW¹ over Southern Europe, but varying locally; very variable and light over the Mediterranean, S¹ over Algeria, E¹ in Portugal. Becoming NE¹ on our northwestern coasts later, but W¹ wind over south of England moderating decidedly.

Barometer highest 30.3 ins: and more to 30.1 ins: over the Mediterranean, southwestern, southern, and southeastern Europe, lowest 28.9 ins: and less, over the north of Norway and near Archangel, 29.0 ins: and less, over the southern part of the Gulf of Bothnia and the Baltic Provinces. Gradients rather steep over the Baltic, moderate in most other places, but variable. New shallow depression being developed over Ireland later, moving subsequently to the south-eastward, and increasing somewhat in intensity.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Monday, 9th March, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SEASIDE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.36	11	Z	0	b	29.61	+ 50	8	7	- 8	N	2	bc	*	30	5	.	
	Hernösand ...	29.50	26	Z	0	bc	29.64	+ 37	13	13	- 12	Z	0	b	*	36	13	.	
	Stockholm ...	29.69	23	Z	0	b	29.65	+ 15	21	20	+ 3	Z	0	b	*	32	16	.	
	Wisby ...	29.72	31	SSE	4	b	29.61	+ 05	31	30	+ 1	S	2	c	*	34	27	.	
	Bodö ...	29.51	21	ENE	2	b	29.57	+ 29	19	17	+ 1	E	2	b	1	27	16	.	
	Christiansund	29.48	31	WSW	6	c	29.57	+ 21	31	30	+ 2	S	1	S	4	31	28	0.12	
	Skudesnaes ...	29.67	26	Z	0	b	29.67	+ 14	29	28	- 3	ESE	4	S	4	34	25	.	
	Christiania Fjord (Færvær)	29.60	34	NW	2	b	29.65	+ 08	24	21	- 2	NW	2	b	1	34	23	.	
	Skagen (The Scaw)	29.63	31	NW	1	b	29.63	+ 03	28	26	- 5	Z	0	bc	0	37	27	.	
	Fanö ...	29.62	30	E	4	S	29.67	- 02	30	30	0	Z	0	c	*	34	28	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.71	24	Z	0	S	29.55	- 13	30	30	+ 5	NW	5	S	5	30	19	0.12	
	Stornoway ...	29.86	26	N	5	S	29.89	+ 06	21	21	- 3	NW	4	0	4	28	19	0.05	
	Wick ...	29.80	18	NW	1	b	29.78	+ 03	26	26	+ 1	NW	2	S	1	29	15	0.10	
	Nairn ...	29.84	28	NW	1	b	29.87	+ 10	27	26	0	WSW	1	b	1	33	20	.	
	Aberdeen ...	29.81	27	NW	3	b	29.86	+ 11	28	26	0	W	4	bcg	3	34	22	0.01	
	Leith ...	29.78	36	NW	2	c	29.92	+ 20	25	25	- 6	SW	2	bcm	*	39	21	.	
	Shields ...	29.71	33	NE	4	sp	29.89	+ 26	23	23	- 8	NW	3	c	4	37	19	0.18	
	Spurn Head ...	29.56	36	NNE	6	r	29.85	+ 32	35	32	- 1	NNE	5	bcsp	5	39	32	0.04	
	York ...	29.66	32	N	2	0	29.88	+ 30	23	22	- 11	NW	1	b	*	38	21	0.09	
	Loughborough	29.64	35	N	3	c	29.87	+ 27	30	28	- 5	NNE	2	om	*	39	29	0.01	
BRITISH ISLANDS.	Ardrossan ...	29.80	30	NE	1	b	29.95	+ 21	24	23	- 4	ENE	1	bm	1	38	18	.	
	Malin Head ...	29.80	33	NE	3	bcsp	29.89	+ 14	31	30	0	SE	4	0	2	34	30	.	
	Mullaghmore ...	29.81	35	ENE	5	bv	29.89	+ 13	29	28	- 5	E	2	bc	2	37	29	.	
	Belmullet ...	29.80	36	E	3	b	29.84	+ 06	32	31	- 2	E	2	b	*	40	29	.	
	Donaghadee ...	29.80	35	NE	4	bc	29.92	+ 20	30	30	- 3	E	4	b	2	38	28	.	
	Liverpool (Bidston)	29.71	35	NNE	3	c	29.89	+ 26	30	29	- 4	NE	2	c	2	38	26	0.03	
	Holyhead ...	29.72	34	NE	5	qsp	29.87	+ 21	34	32	- 2	E	4	b	4	37	31	0.01	
	Parsonstown ...	29.78	35	Z	0	b	29.83	+ 07	26	25	+ 3	Z	0	b	*	40	22	.	
	Valencia ...	29.74	40	ENE	3	bm	29.70	- 01	38	34	+ 4	E	6	0	6	43	32	.	
	Roche's Point...	29.72	41	NE	4	b	29.74	+ 05	34	32	+ 1	E	3	c	4	44	29	.	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.64	37	NE	4	bc	29.77	+ 16	31	29	- 7	ENE	4	bc	2	39	30	0.02	
	Scilly ...	29.63	34	NNE	4	c	29.61	+ 05	39	36	- 2	E	5	0	4	42	35	0.02	
	Prawle Point ...	29.63	36	NE	3	0	29.68	+ 10	35	34	- 3	ENE	6	og	5	38	33	0.12	
	Jersey (St. Aubin's)	29.58	49	W	3	cgm	29.66	+ 06	38	36	- 9	NE	5	omts	4	50	37	0.12	
	Hurst Castle ...	29.61	37	NE	3	otm	29.73	+ 16	36	35	- 5	NE	5	c	3	41	33	0.07	
	Dungeness ...	29.55	40	NNE	4	r	29.71	+ 15	36	35	- 8	NNE	4	0	3	45	33	0.08	
	London ...	29.61	37	N	1	og	29.77	+ 19	36	34	- 3	NNE	3	0	*	39	34	0.10	
	Oxford ...	29.66	35	N	2	c	29.81	+ 22	33	32	- 3	NNE	3	0	*	38	32	0.08	
	Cambridge ...	29.61	39	NW	1	0	29.82	+ 15	35	34	- 4	N	2	c	*	40	32	0.05	
	Yarmouth ...	29.54	39	NW	2	0	29.77	+ 23	36	34	- 4	NE	6	c	4	40	32	0.03	
GERMANY & HOLLAND.	Cuxhaven ...	29.57	35	ESE	3	S	29.65	- 09	33	33	- 1	NNE	3	bc	*	36	32	0.36	
	Berlin ...	29.66	46	SW	3	r	29.62	- 17	47	46	+ 11	W	2	0	*	50	36	0.08	
	Wiesbaden ...	*	*	*	*	*	29.72	- 08	48	46	+ 6	SW	2	0	*	54	42	0.04	
	Munich ...	29.84	40	SW	2	b	29.88	- 07	42	38	- 2	SE	1	0	*	54	36	.	
	The Helder ...	29.55	37	W	1	0	29.76	+ 18	35	34	+ 2	N	2	c	3	41	33	0.12	
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	
	Cape Gris Nez	29.55	39	N	3	r	29.68	+ 08	36	35	- 6	N	3	0	2	46	34	0.16	
	Paris ...	29.65	51	SSW	4	0	29.65	- 10	50	49	+ 10	SSW	2	0	*	52	48	0.24	
	Brest ...	29.61	49	N	3	0	29.59	- 05	42	42	- 6	E	4	r	3	54	39	0.32	
	Lorient ...	29.62	47	WSW	2	0	29.51	?	44	43	- 4	E	2	r	2	50	43	0.28	
	Rochefort ...	29.72	50	SW	4	r	29.65	- 11	48	48	- 1	SSE	3	0	*	54	39	0.20	
	Belfort ...	?	42	W	6	0	?	?	44	?	- 2	W	2	r	*	60	37	0.12	
	Lyons ...	29.89	52	S	5	0	29.86	- 09	51	44	+ 3	S	5	0	*	57	.	.	
	Nice ...	30.14	47	W	4	c	30.12	- 05	45	43	+ 2	SW	2	0	2	55	43	.	
	Perpignan ...	29.91	54	N	3	b	29.85	- 17	45	45	+ 6	SW	2	bc	*	61	33	.	
PENINSULA.	Biarritz ...	29.74	65	WSW	4	0	29.67	- 17	62	50	+ 4	S	4	r	2	66	50	.	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	
PENINSULA.	Lisbon ...	29.87	57	SSW	5	r	29.79	- 17	58	53	+ 1	SSW	7	f	7	61	55	0.59	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 9th March, 1891.

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.

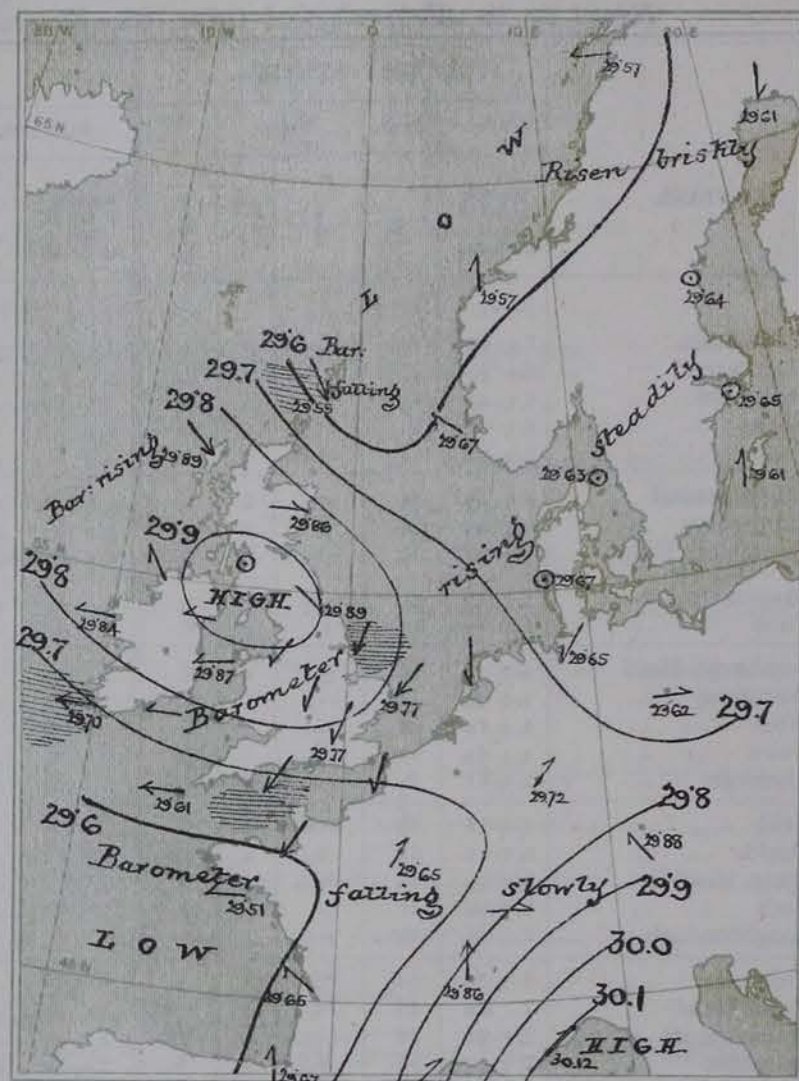
MEAN HEIGHT OF THE BAROMETER

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	29.874
Douglhahee	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	29.905
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.

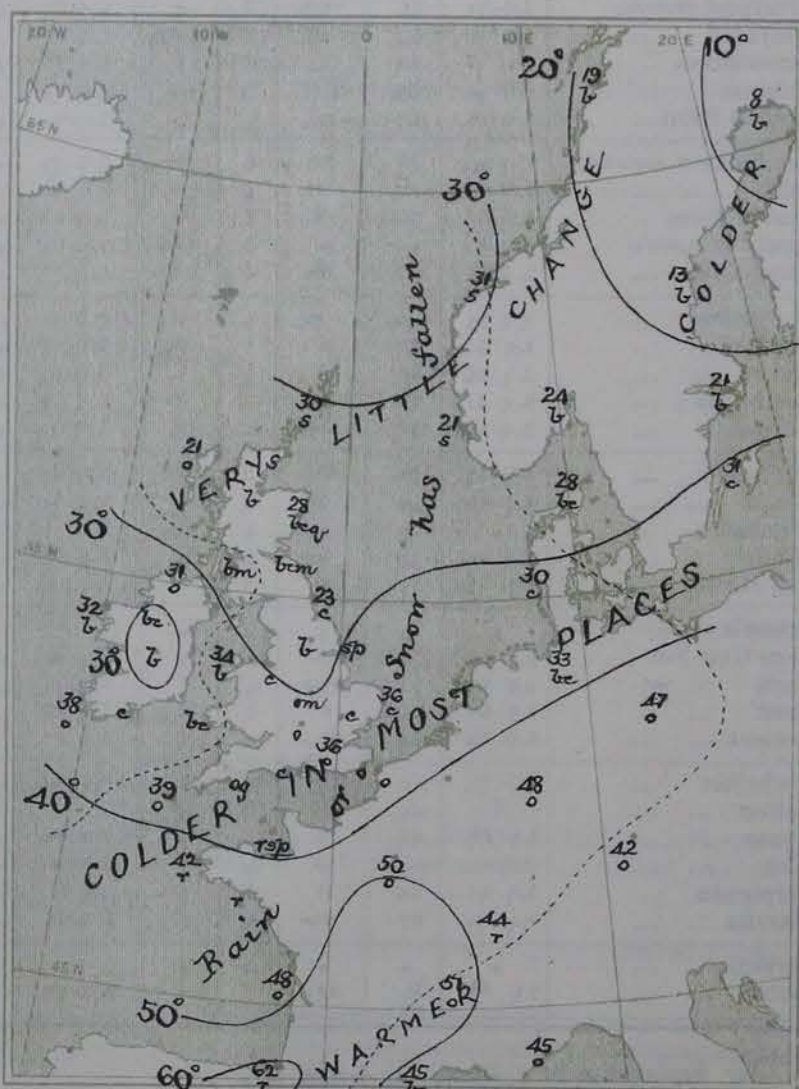
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. 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	39.6	37.7	1.41
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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	40.3	30.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.61
Douglhahee	47.2	37.1	40.8	39.5	2.05
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Hurst Castle	47.8	37.2	41.0	40.1	1.84
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Cambridge	50.2	33.0	38.0	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in the extreme south of France; 29.9 in. and upwards in a small anticyclone lying over the north of England and the south of Scotland.
Lowest, 29.6 in. and less, in a large shallow area extending from the Atlantic over the west of Norway, and also in another shallow system lying over the Bay of Biscay.
Gradients slight and irregular. Barometer falling in France and also in the Shetlands, but rising elsewhere.

TEMPERATURE

Highest, 62° at Biarritz, 58° at Lisbon, 51° at Lyons, 51° at Paris, and 48° at Wiesbaden and Rochefort.
Lowest, 8° at Haparanda, 13° at Helsingfors, 19° at Oslo, 21° at Stockholm and Bornoway, and 23° at Shields and York.
During last night the thermometer fell to 15° at Kiel, 18° at Antwerp, and 19° at Lumburg H. Bornoway and Shields.

WIND

Light to moderate from the W. or NW. in Scotland, fresh or strong from the NE. in the East and south of England, moderate from the E. in Ireland.
S. in France, variable in Scandinavia, Denmark, and Germany.

WEATHER

Fine over the greater part of the United Kingdom, as well as in Sweden and Denmark, but snow reported in the north of Scotland west of Orkney, as well as at Spinn H. and Jersey.
Dull in France and Germany, with rain at Bresl, Lorient, and Bismarck.
Rain or snow fell yesterday in nearly all parts of Great Britain, but the amounts were in most cases slight.

SEA

Rough at Valencia Island, and rather rough at Lumburg H. Spinn H. and Bismarck, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands seems to be spreading southwards, and improving weather is therefore probable on our southern coasts. Temperature is, however, likely to remain low generally.

FORECASTS

For the 24 hours ending at NOON on 10th March. 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² to W ² winds fresh; unsettled, some snow.
1	SCOTLAND EAST	W ² winds, moderate; fair generally.
2	ENGLAND N.E.	N ² winds, light; fair generally.
3	ENGLAND EAST	NE winds, moderate or fresh; fair generally but snow showers in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Light variable airs; fair generally.
7	ENGLAND N.W.	E ² winds, moderate; fair generally.
8	ENGLAND S.W.	E ² winds, fresh or strong; fair generally but possibly some snow showers.
9	IRELAND NORTH	Same as N ⁷ .
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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.65	33	30	NE	4	c	4	Holyhead ...	29.70	34	33	NE	5	Sq	4
Sumburgh Head								Valencia ...							
Stornoway ...	29.85	26	26	N	5	bc	4	Scilly ...							
Aberdeen ...								Jersey ...	29.58	48	47	SSW	4	0	3
Shields ...								Dungeness ...	29.53	42	42	N	4	T	3
Ardrossan ...								London ...							*
Malin Head ...	29.78	35	32	NE	4	6	2	Yarmouth ...							
Mullaghmore ...								Rocheport ...	29.77	52	50	SW	3	T	*
Belmullet ...	29.80	40	35	E	2	6	*								

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

Continental information not yet received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 1ST TO 7TH MARCH 1891

The long drought which set in over England early in February continued until the close of last week when rain appeared in nearly all parts of the country. In the west and north of our Islands, however, the weather of the past seven days has been unsettled throughout, with frequent rains and with considerable falls of snow in some parts of Scotland.

During the early part of the week an anticyclone lay to the south and southwest of our Islands, while depressions of considerable size and intensity advanced over Scandinavia from the westward. The prevailing winds were therefore W^{ly}, and although light or moderate in strength in the south they frequently blew with the force of a gale in the northwest and north. On the 3rd when a deep cyclonic disturbance skirted our extreme northern coasts a violent gale was experienced in the north of Scotland, and a less serious gale over the northern parts of the Kingdom generally.

Towards the close of the period, however, the anticyclone travelled away in an E^{SE} direction to southern Europe and the Mediterranean, and pressure gave way decidedly over the Sth parts of our area while it increased slowly in the north. The wind consequently veered to the N^W or NW^{ly} in all but our extreme Sth districts, and unsettled showery weather spread over the entire Kingdom. Gradients were, however, slight and the wind fell light in force generally.

Temperature has been continuously high for the time of year over the southern parts of our Islands, and at the commencement of the week it was also high in the north, a maximum of 66° being recorded at Aberdeen on the 1st. On the 5th, however, a decided fall of the thermometer set in over Scotland, and at the close of the week colder weather was becoming general.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 10th March.

1891.

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

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barom. Reading at 32° F. and Sea Level.	Temp. Dry.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Weather.	Sea. (0 to 3.)	Shade Temp.		Amount of Rainfall.	
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.68	21	2	0	bc	29.76	+15	19	19	+11	SE	2	✓	*	27	-11	—
	Hernösand ...	29.67	19	2	0	bc	29.74	+10	22	21	+9	2	0	C	*	36	10	—
	Stockholm ...	29.69	19	2	0	bc	29.88	+23	19	17	-2	2	0	bc	*	32	18	—
	Wisby ...	29.72	31	WNW	4	bc	29.77	+16	31	30	0	S	4	0	*	34	27	—
	Bodö ...	29.60	21	E	2	bc	29.60	+03	22	20	+3	E	2	bc	6	27	18	—
	Christiansund	29.60	30	SW	2	C	29.61	+04	28	26	-3	ENE	2	bc	3	30	27	0.24
	Skudesnaes ...	29.65	31	SE	3	bc	29.64	-03	29	26	0	ENE	2	bc	3	34	27	—
	Christiania Fjord (Færder)	29.66	33	WNW	3	bc	29.69	+04	26	25	+2	N	5	0	2	34	25	—
	Skagen (The Seaw)	29.70	30	W	1	bc	29.65	+02	31	30	+3	SW	1	bc	1	36	28	—
	Fanö ...	29.77	30	WNW	2	bc	29.63	-04	29	29	-1	SE	4	C	*	36	28	—
BRITISH ISLANDS.	Sumburgh Head	29.53	33	N	4	bc	29.64	+09	27	25	-3	N	4	bc	4	36	25	0.41
	Stornoway ...	29.85	28	N	3	bc	29.72	-13	33	30	+12	N	3	bc	4	33	21	0.35
	Wick ...	29.60	30	WNW	7	bc	29.66	-12	30	30	+4	N	4	bc	4	32	22	0.17
	Nairn ...	29.82	31	W	1	bc	29.68	-14	25	25	-2	WNW	1	bc	1	34	22	—
	Aberdeen ...	29.80	31	WNW	6	bc	29.65	-21	28	28	0	NW	5	bc	4	35	27	0.08
	Leith ...	29.84	32	W	1	bc	29.65	-27	26	26	+1	SW	2	bc	*	43	23	—
	Shields ...	29.85	29	WNW	1	bc	29.61	-28	27	27	+4	NW	3	0	3	33	19	—
	Spurn Head ...	29.82	36	E	4	0	29.53	-32	36	31	+1	NE	5	0	5	38	33	—
	York ...	29.86	34	ENE	1	0	29.55	-33	32	32	+9	N	1	0	*	39	22	—
	Loughborough	29.80	34	E	3	0	29.53	-34	30	29	0	ENE	2	0	*	38	29	0.04
GERMANY & HOLLAND.	Ardrossan ...	29.88	34	NW	1	bc	29.66	-29	28	27	+4	2	0	cm	0	38	23	—
	Malin Head ...	29.86	34	ENE	4	bc	29.69	-20	33	31	+2	NE	3	0	2	35	30	—
	Mullaghmore ...	29.83	36	ENE	5	bc	29.71	-18	28	27	-1	SE	1	bc	2	37	27	—
	Belmullet ...	29.83	35	E	3	bc	29.72	-12	29	28	-3	E	1	bc	*	39	26	—
	Donaghadee ...	29.86	36	E	3	bc	29.66	-26	35	34	+5	ENE	4	C	2	38	30	—
	Liverpool (Bidston)	29.80	34	ENE	4	0	29.58	-31	31	30	+1	NE	3	0	3	37	29	—
	Holyhead ...	29.76	36	E	5	0	29.60	-27	35	32	+1	ENE	5	0	5	39	33	—
	Parsonstown ...	29.76	34	NNE	2	bc	29.66	-17	27	26	+1	NE	2	C	*	41	25	—
	Valencia ...	29.63	33	NE	6	0	29.66	-04	33	30	-5	NE	5	bc	4	43	32	—
	Roche's Point...	29.60	38	ENE	6	0	29.56	-18	33	31	-1	NNE	5	C	4	40	32	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.58	38	E	6	C	29.44	-33	29	29	-2	NE	5	bc	4	39	28	—
	Scilly ...	29.53	34	E	9	0	29.31	-42	34	34	-2	E	8	0	5	38	33	0.53
	Prawle Point ...	29.53	34	E	9	0	29.31	-42	34	34	-2	E	8	0	5	38	33	0.53
	Jersey (St. Aubin's)	29.53	34	E	9	0	29.31	-42	34	34	-2	E	8	0	5	38	33	0.53
	Hurst Castle ...	29.53	34	E	9	0	29.31	-42	34	34	-2	E	8	0	5	38	33	0.53
	Dungeness ...	29.63	34	ENE	7	bc	29.40	-37	31	31	-5	ENE	5	bc	*	39	29	0.36
	London ...	29.71	32	E	5	bc	29.40	-37	31	31	-5	ENE	5	bc	*	39	29	0.36
	Oxford ...	29.64	33	NE	6	bc	29.46	-35	29	29	-4	NE	3	bc	*	38	28	0.11
	Cambridge ...	29.77	36	E	3	0	29.47	-35	31	31	-4	N	3	bc	*	40	27	0.09
	Yarmouth ...	29.81	36	E	6	bc	29.42	-35	33	32	-3	ENE	8	bc	6	37	30	0.09
PENINSULA.	Cuxhaven ...	29.84	33	N	3	0	29.57	-14	32	31	-1	ENE	5	bc	*	33	30	—
	Berlin ...	29.80	37	N	3	0	29.58	-07	37	37	-10	SE	2	0	*	48	34	0.12
	Wiesbaden ...	29.80	37	N	3	0	29.58	-07	37	37	-10	SE	2	0	*	48	34	0.12
	Munich ...	29.80	37	N	3	0	29.58	-07	37	37	-10	SE	2	0	*	48	34	0.12
	The Helder ...	29.84	36	NNE	2	C	29.44	-32	32	31	-3	ENE	6	0	4	38	30	0.16
	Brussels (9 a.m.)	*	*	*	*	*	29.32		34	34		E	2	T	*	31	0.39	
	Cape Gris Nez	*	*	*	*	*	29.32		34	34		E	2	T	*	31	0.39	
	Paris ...	29.53	45	N	1	T	29.38	-27	50	49	0	SW	4	T	*	57	44	0.95
	Brest ...	29.19	50	SE	6	T	29.10	-49	45	44	+3	SW	8	bc	8	52	36	0.51
	Lorient ...	29.24	49	SE	4	0	29.24	-27	46	42	+2	SW	7	bc	7	50	44	0.63
FRANCE AND BELGIUM.	Rochefort ...	29.43	59	S	6	0	29.50	-16	48	45	0	WNW	4	C	*	61	39	0.55
	Belfort ...	29.43	42	W	4	T	29.50	-16	48	45	0	WNW	4	C	*	61	39	0.55
	Lyons ...	29.43	42	W	4	T	29.50	-16	48	45	0	WNW	4	C	*	61	39	0.55
	Nice ...	30.06	48	SE	2	C	29.81	-21	44	44	-1	NE	4	T	4	50	43	0.16
	Perpignan ...	29.71	50	E	2	C	29.58	-27	53	51	+10	NE	2	0	*	63	32	—
	Biarritz ...	29.71	50	E	2	C	29.58	-27	53	51	+10	NE	2	0	*	63	32	—

WEATHER CHARTS

for 8 a.m. on Tuesday, 10th March, 1891.

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.

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— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

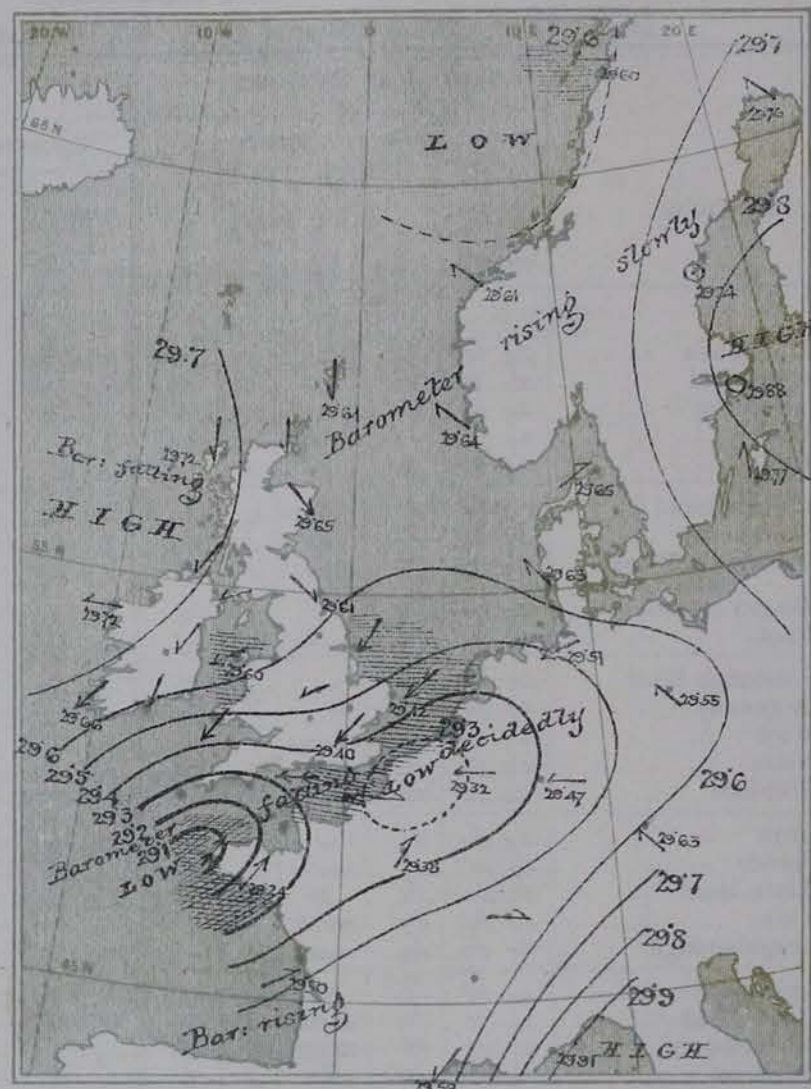
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MEAN HEIGHT OF THE BAROMETER

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

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

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WEATHER is shown by letters of the Beaufort Scale.

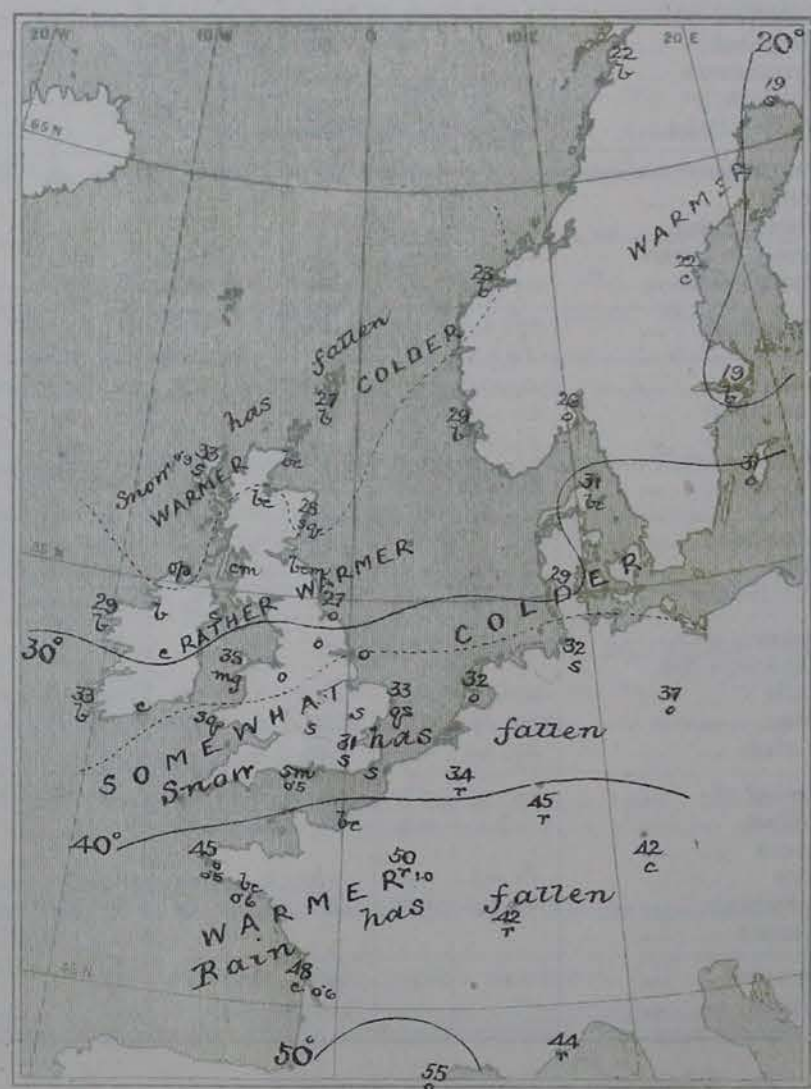
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	2.79
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LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.0	38.9	37.4	1.59
Cambridge	50.2	34.0	38.9	37.5	1.40
Yarmouth	45.2	34.2	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 1864-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, { (1.) 29.7 in. and more, on our extreme northwest coast; (2.) 29.8 in. and more, over Iceland the coast of Sweden and the Baltic Provinces; (3.) apparently 29.6 in. and more, over Spain and the southwest of France.
Lowest, (1.) 29.1 in. and less, in a deep depression at the mouth of the Channel; (2.) 29.3 in. and less, in another over Belgium and the coast of France.
Gradients steep for NE winds over our southern and southwestern districts and for SW winds in the west of France, slight and variable over northern districts.
Barometer changing very irregularly; falling again at mouth of Channel.

TEMPERATURE

Highest, 55° at Harpigny, 50° at Paris, 48° at Rheinfert, and above 40° over France and South Germany.
Lowest, (1.) 13° at Harpigny and Stockholm, 22° at Harpigny and Paris, 23° at Rheinfert and Paris; (2.) 25° to 30° in the Channel and west of Ireland; (3.) 25° to 30° in the Channel and west of Ireland; (4.) 25° to 30° in the Channel and west of Ireland; (5.) 25° to 30° in the Channel and west of Ireland.
Changes fitfully and considerably, inclined to fall over England.

WIND

Light S to E over Scandinavia and Denmark, fresh N in Scotland, moderate NE over Ireland; NE to E gales over southern counties of England, SW gale over Brittany, moderate W to SW winds over Central France. The E gale blew very strongly all over the southern counties of England last night [Reports from Harpigny and other places wanting].

WEATHER

Fine and bright in Ireland as well as in several parts of Scotland and Scandinavia, dull and very unsettled elsewhere; much snow over southern parts of England, rain in east and northeast of France. Appearance still threatening in South. Melted snow measured this morning 0.8 in at Sittingbourne, 0.53 at Huntly, 0.36 in at London; rain fall 0.95 in at Paris.

SEA

Very high at Brest, very rough in Channel generally and on our east coast; moderate north of Scotland, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fresh depression near Brest seems likely to cause a renewal of the bad weather over all our southern districts, and there are indications of fresh disturbances in the north also.

FORECASTS

For the 24 hours ending at NOON on 11th March, 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² winds, force uncertain, very changeable and unsettled, snow at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Varying winds, unsettled, some snow.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	NE ² winds, fresh, squally, snow showers very cold tonight.
5	ENGLAND SOUTH	NE ² and E ² winds, strong to a gale; snow squalls, very cold tonight.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0 and 1.
7	ENGLAND N.W.	Same as No 4.
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	N ² winds, fine to unsettled.
10	IRELAND SOUTH	
WARNINGS		The NORTH CONE was hoisted yesterday in districts 2, 3, 5, 8, 10 and parts of 7.

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.

	THER: WIND								THER: WIND						
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	29.64	33	32	2	0	c	4	Holyhead ...	29.82	37	35	ENE	5	o m g	4
Sumburgh Head ...	29.46	33	33	W	1	bc	5	Valencia ...	29.64	43	37	E	7	o m g	6
Stornoway ...	29.89	33	33	NW	0	c	4	Scilly ...	29.44	36	36	ENE	7	o	5
Aberdeen ...	29.84	34	29	WNW	6	bcg	4	Jersey ...	29.53	38	36	ENE	7	o	5
Shields ...	29.88	31	31	WNW	3	c	3	Dungeness ...	29.70	36	36	NIE	6	o f g	5
Ardrossan ...	29.91	36	35	W	1	c	1	London ...	29.76	39	36	ENE	4	o	*
Malin Head ...	29.88	35	32	SE	4	c	2	Yarmouth ...	29.82	37	35	ENE	5	c	4
Mullaghmore ...	29.87	36	33	E	5	c	3	Rochefort ...	29.58	38	33	S	5	o	4
Belmullet ...	29.85	37	34	E	3	c	*								

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

Continental Information not yet received

General Remarks on the Weather over Europe for 24 hours ended 8am on March 9th.

Weather dull and rainy over the south of England, Belgium, and the north of France, snow falling in the northern parts of England and Scotland, as well as over Holland and North Germany, Svalbard, and the north of Russia. Fine in Ireland and the west of Scotland, as well as in Sweden and the greater part of southern Europe. Rain spreading over France later to all but the southern Departments. Snow showers falling in many parts of the United Kingdom.

Temperature highest 53° at Algiers, 58° at Biarritz, 57° at Oporto, 56° at Barcelona, and 55° at La Palme; above 50° at many of the Mediterranean stations. Lowest 10° at Bleiburg, 12° at Helsinki, 14° at Kuopio and Hangö, 16° at Haparanda, and 18° at Bodö and Stockholm; lowest in our Islands 23° at Kinnarora, 24° at Stornoway, and 25° at Lumburgh Id and Vils. Daily maxima below 40° in nearly all parts of the United Kingdom and below 30° in the extreme north of Scotland.

Wind light to fresh from the N^W over the greater part of the United Kingdom, but S^W or SW^W in the extreme southeast of England as well as over Algeria, Spain, France, and western Germany. Light from the SW^W or W^W over Russia and Scandinavia. Subsequently shifting to the N^W in the southeast of England, but little change observed elsewhere.

Barometer highest, 30.1 in. to 30.2 in. and upwards, in a large anticyclone covering the whole of the Mediterranean, with Italy and eastern Europe; 29.8 in. and upwards in the extreme northwest of our Islands. Lowest, 29.1 in. and less, in a depression lying over northern Russia, 29.6 in. and less, in a shallow and irregularly formed disturbance lying over the greater part of England. Latter system subsequently moving slowly eastwards, and high pressure area to the northward of our Islands spreading over our northern districts.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Wednesday, 11th March,* 1891.
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.84	16	Z	0	0	29.95	+ 19	21	20	+ 2	S	2	0	*	28	12	
	Hernösand ...	29.85	18	Z	0	0	29.80	+ 06	20	20	- 2	E	2	0	*	36	16	
	Stockholm ...	29.78	27	E	2	0	29.57	- 31	29	28	+ 10	NE	6	0	*	32	14	0.04
	Wisby ...	29.60	30	E	4	5	29.40	- 37	33	32	+ 2	E.NE	2	0	*	34	27	0.28
	Bodö ...	29.64	24	E	2	0	29.67	+ 07	24	21	+ 2	E	2	0	1	27	21	
	Christiansund	29.58	32	ESE	4	0	29.68	+ 07	28	27	0	ESE	2	0	3	32	27	
	Skudesnaes ...	29.61	32	ESE	4	0	29.54	- 10	29	26	0	E.NE	2	0	3	37	27	
	Christiania Fjord (Færd)	29.68	31	NNE	5	0	29.53	- 16	28	27	+ 2	NNE	6	5	3	32	26	
	Skagen (The Scaw)	29.54	31	SE	3	0	29.39	- 26	32	31	+ 1	E	4	0	3	36	30	0.08
	Fanö ...	29.32	31	E.NE	6	0	29.26	- 37	33	33	+ 4	S	3	0	*	34	28	0.12
BRITISH ISLANDS.	Sumburgh Head	29.63	27	N	4	S	29.59	- 05	28	26	+ 1	N	3	0	4	30	23	0.01
	Stornoway ...	29.70	28	Z	0	S	29.64	- 08	31	31	- 2	Z	0	0	3	31	26	0.05
	Wick ...	29.64	27	N	2	0	29.61	- 05	29	28	- 1	N	3	0	1	33	23	0.08
	Nairn ...	29.64	33	E	2	0	29.62	- 06	30	30	+ 5	NE	2	0	3	36	24	0.02
	Aberdeen ...	29.58	31	N	3	0	29.58	- 07	31	30	+ 3	N	5	csgp	5	37	28	0.14
	Leith ...	29.56	32	E	4	0	29.54	- 11	33	33	+ 7	E.NE	3	0	*	38	25	
	Shields ...	29.46	35	NE	3	0	29.45	- 16	32	31	+ 5	NW	1	0	3	37	25	0.02
	Spurn Head ...	29.40	34	NE	3	0	29.36	- 17	36	34	0	N	6	bcgsp	5	37	32	0.01
	York ...	29.46	32	N	1	0	29.43	- 12	27	27	- 5	N	1	0	*	35	25	0.25
	Loughborough	29.41	32	NE	2	0	29.41	- 12	30	29	0	N.W.	2	bcem	*	40	27	0.01
GERMANY & HOLLAND.	Ardrossan ...	29.57	34	NW	1	cm	29.56	- 10	35	35	+ 7	E.NE	2	0	1	41	26	
	Malin Head ...	29.61	34	NE	3	bsp	29.56	- 13	34	32	+ 1	NE	3	0	2	37	31	
	Mullaghmore ...	29.59	36	E.NE	2	0	29.59	- 12	32	31	+ 4	E	3	0	2	39	25	
	Belmullet ...	29.62	35	ESE	2	0	29.60	- 12	32	31	+ 3	SE	1	0	*	41	27	
	Donaghadee ...	29.56	37	NE	5	bc	29.56	- 10	35	32	0	NE	5	0	3	41	33	
	Liverpool (Bidston)	29.45	34	NNE	3	bc	29.47	- 11	33	31	+ 2	NNE	2	0	2	39	30	
	Holyhead ...	29.49	36	NE	5	bc	29.48	- 12	35	34	0	NNE	5	csgp	5	38	34	
	Parsonstown ...	29.57	36	NNE	1	bc	29.59	- 07	20	20	- 7	Z	0	0	*	41	18	
	Valencia ...	29.60	38	NNE	2	bcm	29.56	- 10	33	31	0	E.NE	1	em	2	42	27	
	Roche's Point...	29.54	39	NNE	4	0	29.56	- 00	31	30	- 2	N	3	0	4	43	28	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Id.)	29.41	33	NE	4	S	29.48	+ 04	34	32	+ 5	NE	2	0	1	36	29	
	Scilly ...																	
	Prawle Point ...																	
	Jersey (St. Aubin's)																	
	Hurst Castle ...	29.18	33	E.NE	7	osm	29.33	+ 02	30	30	- 4	NNE	6	5	5	36	29	0.33
	Dungeness ...	29.24	34	E	7	0												
	London ...	29.30	32	E.NE	2	ogse	29.29	- 11	33	32	+ 2	NNE	3	0	*	34	31	0.40
	Oxford ...	29.31	30	E	3	0	29.37	- 09	28	27	- 1	N	4	0	*	32	28	0.30
	Cambridge ...	29.34	31	N	3	0	29.33	- 14	34	33	+ 3	N	2	0	*	37	28	0.04
	Yarmouth ...	29.37	34	NE	5	cq	29.27	- 15	36	34	+ 3	NE	5	0	5	36	30	0.08
PENINSULA.	Cuxhaven ...	29.33	34	ESE	4	1	29.29	- 22	34	34	+ 2	SSE	1	0	*	36	32	0.48
	Berlin ...	29.43	51	SSW	2	0	29.31	- 24	45	42	+ 8	OSSE	2	0	*	55	37	0.08
	Wiesbaden ...	*	*	*	*	*	29.32	- 15	43	42	- 2	NE	1	0	*	52	41	0.84
	Munich ...	29.57	46	SW	1	0	29.34	- 29	41	38	- 1	SW	6	0	*	61	36	
	The Helder ...	29.33	35	W	1	0	29.25	- 19	34	34	+ 2	NE	1	0	2	36	32	0.39
	Brussels (9 a.m.)	*	*	*	*	*	29.21	- 11	41	38	+ 7	SSW	4	0	*	50	34	0.16
	Cape Gris Nez																	
	Paris ...	29.36	48	S	4	0	29.23	- 15	41	37	- 9	S	5	0	*	56	38	0.32
	Brest ...																	
	Lorient ...	29.01	44	SW	7	0	29.45	+ 21	38	34	- 8	NW	5	0	5	52	36	0.04
PENINSULA.	Rochefort ...	29.40	49	N.W.	6	0	29.48	- 02	43	39	- 5	N.W.	7	0	*	54	32	
	Belfort ...	?	42	W	2	0	?	?	36	?	- 6	W	3	0	*	47	36	0.04
	Lyons ...	29.43	54	S	3	0	29.56		38	37		S	3	0	*	59	37	0.83
	Nice ...	29.72	47	NE	4	0	29.47	- 44	51	51	+ 7	SW	6	0	*	51	44	0.63
	Perpignan ...	29.45	55	NE	2	0	29.63	+ 05	45	40	- 10	NW	4	0	*	68	44	
	Biarritz ...	29.56	49	NW	5	0	29.67	+ 06	43	40	- 7	W	8	0	*	59	37	0.24
	Corunna ...	*	*	*	*	*												

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

for 8 a.m. on Wednesday 11th March, 1891.



EXPLANATION OF MAP

Changes since previous morning are stated in words.

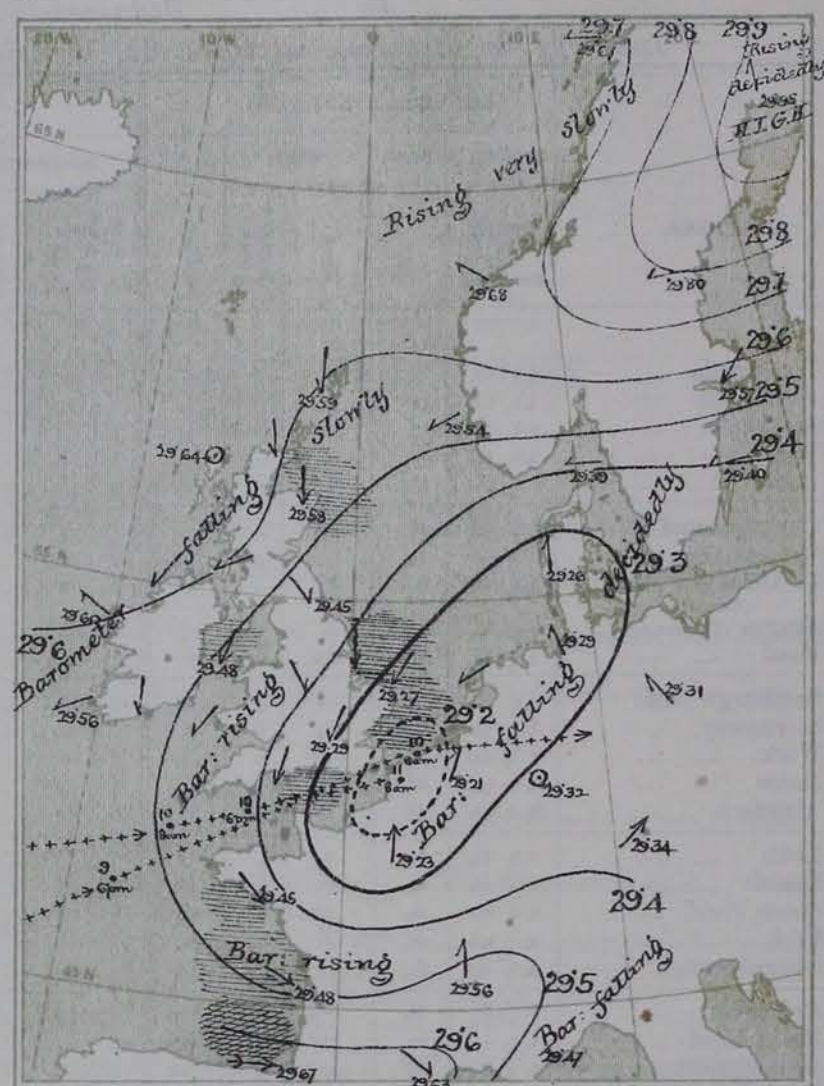
→ = forces above 10; → = forces 8 to 10;

$\longrightarrow \Rightarrow$ forces 5 to 7; $\longrightarrow \Rightarrow$ forces 1 to 4.

SEA DISTURBANCE.—Where considerable, is shown thus:

 = *Rough*.  = *High*.

at 8.9 a.m. for the month of March
During the 20 Years: 1871—1890.

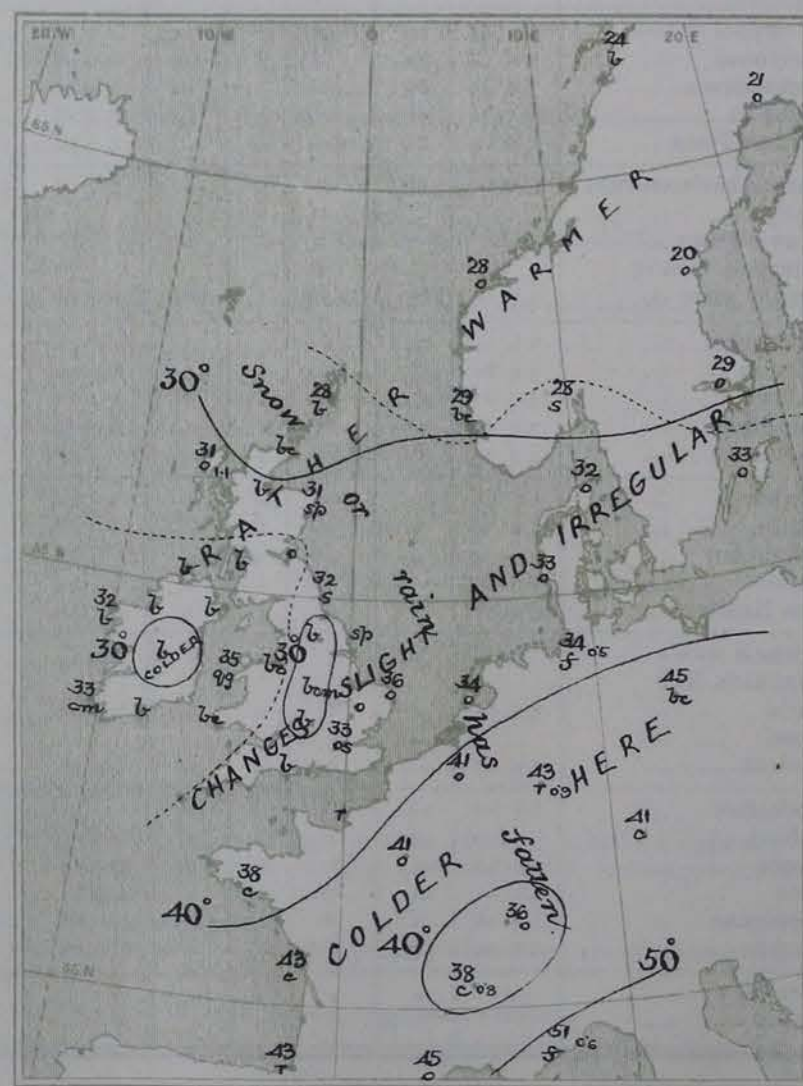


TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

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.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.9 ins. and more to 29.7 ins. over the northern parts of Scandinavia, 29.6 ins. and more over the extreme northwest of our Islands.

Lowest 29.2 ins. and less in the depression over the Netherlands and northeast of France.

Gradients are moderate to slight.

Barometer rising decidedly over northern Europe, slightly on our S.E. coasts & in the S.W. of France, falling in Ireland.

TEMPERATURE

Highest 51° at Nice, 48° at Berlin, 43° at Biarritz, Rochefort and Wiesbaden, 41° at Paris.

Lowest 10° to 21° in the north of Sweden, 20° at Parsonstown, 28° to 31° in Scotland, and 27° to 34° over the inland parts of England.

It has been as low as 26° at Stormoway, 15° at York, and 18° at Parsonstown in the night.

WIND

N. to NE. throughout our Islands, - light at our western stations; fresh to strong in the east and south. Over the Bay of Biscay it was NW. to W. and blew a gale on the southern side of the Bay. Over Germany and Denmark S. breezes prevail.

WEATHER

Still very unsettled in the east and southeast, with snow at times, fine and bright at most of the western and northwestern stations. The snowfall over our southern counties, and the rain in France and Germany have both been heavy. In London the snow yielded 0.40 in. of water, and was 6 ins. deep at 8 am.

SEA

High over the Bay of Biscay, rough in the Channel, rather so along our east coasts and at Holyhead, slight or smooth in the extreme north and northwest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some improvement in the wind force and rainfall is likely to occur in the east and south today, but great cold is probable over England tonight. There are some indications that further disturbances may appear in the southwest shortly, but they are slight.

FORECASTS

For the 24 hours ending at NOON on 12th March. 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. and NE. breezes, moderate; very cold, slight showers.	6 SCOTLAND WEST	Same as Nos 0 to 2.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	NE. winds, fresh to moderate; very cold, occasional snow.	8 ENGLAND S.W.	Same as Nos 3 to 5.
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Somewhat doubtful; most probably E. winds, cold, less fair than of late.
5 ENGLAND SOUTH			
		WARNINGS	The N. CONE is still flying in districts 2, 3, 5, 8, 10, and part of 7.

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		WEA.	SEA		BAR:	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.64	37	32	ENE	2	b	3	Holyhead ...	29.52	37	34	NE	5	og	5
Sumburgh Head ...	29.64	28	26	N	3	bc	4	Valencia ...	29.62	41	34	NNE	3	b	3
Stornoway ...	29.71	30	30	L	0	s	3	Scilly ...							
Aberdeen ...	29.61	36	32	N	5	bcq	5	Jersey ...							
Shields ...	29.50	35	34	NW	3	c	3	Dungeness ...							
Ardrossan ...	29.61	37	37	NE	1	c	0	London ...	29.35	34	33	NE	2	o	*
Malin Head ...	29.63	36	33	E	1	b	1	Yarmouth ...	29.39	34	33	ENE	5	ogsp	5
Mullaghmore ...	29.63	37	34	N	2	bcv	2	Rocheport ...	29.47	53	48	SW	6	c	*
Belmullet ...	29.67	40	37	NE	1	b	*								

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

Weather very unsettled over nearly the whole of western and southern Europe, rain falling in Spain, France, Belgium, and western Germany, and snow in many parts of England, as well as in the north and east of Scotland, Denmark and North Germany. Fine in Ireland, and also in Norway, Austria, and the south of Italy; fair at most of the Russian and Algerian stations. Considerable amount of snow falling later in the south of England, and heavy rain in France and Germany.

Temperature highest 70° at Algiers, 62° at Bilbao and Nemours, 60° at Oran and 58° at La Calle; above 55° over all the central and southern parts of the Mediterranean. Lowest 9° at Helsingfors, 10° at Hongk, 15° at Archangel and 16° at St Petersburg; below the freezing point over the whole of northern Europe and also over the greater part of the United Kingdom. Daily maxima over our Islands below 40° excepting in the southwest, but thermometer exceeding 55° at many of the French stations, and reaching 68° at Perpignan.

Wind N in Scotland, but NE or E over Ireland, England, and the Netherlands, with a gale at the Channel stations. Moderate to strong from the SW over France and Spain, light from the SE in Germany, and from the S in the south of Russia, as well as in Algeria. Variable over Scandinavia and northern Russia, as well as in Italy. No important change occurring during day.

Barometer highest 30.0 in: to 30.1 in: and upwards, in an anticyclone extending from the south of Russia to Italy and the Mediterranean. Lowest 29.1 in: and less, in a well marked depression lying at the mouth of the Channel, 29.3 in: and less, in another disturbance lying over Belgium, 29.5 in: and less, in a large trough extending from the Bay of Biscay to Western Germany. Low pressure systems subsequently moving eastwards, and barometer falling in all parts of Western Europe.

General Remarks on the Weather for 24 hours ended at 8 am March 10th 1891.

Weather fine over the greater part of United Kingdom but continuous snow falling in the extreme north of Scotland, and showers of snow at Spinn Hill and Jersey. Fine also over Sweden, Denmark, Russia, Algeria, and the south of Italy, but dull elsewhere, with rain in the west of France and the north of Spain. Heavy snowstorm setting in later over the south of England, Belgium, and the north of France, rain continuing to fall on the shores of the Bay of Biscay. Thunderstorm reported at Madrid in evening.

Temperature highest, 62° at Biarritz, Oran, and Algiers, 58° at Lisbon and San Fernando, and 57° at Oporto, Barcelona, and Nemours. Above 50° at nearly all the Mediterranean stations, as well as over central France. Lowest (1) 8° at Haparanda, 12° at Uleaborg and Hongk, 13° at Helsingfors, and 14° at Archangel; (2) 21° at Stornoway, and 23° at Shields and York; below the freezing point over all the more northern parts of our Islands and the Continent. Daily maxima below 40° over nearly the whole of the United Kingdom, but thermometer exceeding 60° in the west and south of France and reaching 73° at Biarritz.

Wind light or moderate from the NW in the north of our Islands, fresh from the N or NE in the east and southeast; moderate to strong from the E in the west and southwest. Light from the S in Algeria and moderate to strong from the same quarter over the greater part of Spain and France. Light SE in Italy; S or SW over central Europe; variable in the more northern countries. Subsequently increasing to a strong gale from the E over the Channel and south of England.

Barometer highest 30.1 in: to 30.2 in: and upwards, in an anticyclone extending from the south of Russia to Italy and the Mediterranean, 29.3 in: and upwards, in a small anticyclone lying over the central parts of the United Kingdom. Lowest, 29.4 in: and less, in a depression lying over the north of Russia; 29.5 in: and less, in another lying to the north-westward of Spain; 29.6 in: in a shallow system lying over North Germany and the Baltic. Depression to north-westward of Spain subsequently advancing north-eastwards to the mouth of the Channel, and barometer falling quickly on our southern coasts.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for *Thursday, 12th March,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

PUBLISHED BY THE METEOROLOGICAL OFFICE, 25, PATERNOSTER STREET, LONDON. R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.93	7	Z	0	b	29.86	- 0.09	5	4	- 16	NE	4	c	*	29	5	-	
	Hernösand ...	29.81	24	NE	2	0	29.62	- 1.18	21	20	+ 1	NNE	4	s	*	27	10	0.04	
	Stockholm ...	29.57	28	NE	4	0	29.28	- 2.29	32	30	+ 3	NE	4	t	*	27	18	0.04	
	Wisby ...	29.39	34	E	4	5	29.34	- 0.06	36	35	+ 3	SW	4	bc	*	37	28	-	
	Bodö ...	29.76	24	E	2	6	29.73	+ 0.06	19	16	- 5	E	2	b	1	28	16	-	
	Christiansund	29.75	31	ESE	1	6	29.69	+ 0.01	26	25	- 2	ESE	2	0	3	24	25	-	
	Skudesnaes ...	29.52	32	ENE	2	0	29.45	- 0.09	30	27	+ 1	N	1	0	2	36	28	-	
	Christiania Fjord (Færd)	29.50	29	N	6	8	29.31	- 2.22	25	24	- 3	N	8	e	3	?	25	-	
	Skagen (The Scaw)	29.34	30	ENE	5	8	29.21	- 1.18	30	29	- 2	NE	1	0	4	32	28	0.16	
	Fanö ...	29.25	33	ESE	2	7	29.28	+ 0.02	35	35	+ 2	NW	3	0	*	36	32	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.65	35	ENE	3	6	29.65	+ 0.06	35	32	+ 7	NNE	3	b	4	36	27	0.02	
	Stornoway ...	29.70	30	N	3	8	29.74	+ 1.0	20	20	- 11	Z	0	b	3	34	16	0.02	
	Wick ...	29.65	26	N	1	6	29.67	+ 0.06	33	32	+ 4	N	3	bc	1	36	16	-	
	Nairn ...	29.67	32	SW	1	6	29.70	+ 0.08	25	25	- 5	SW	2	c	1	38	19	-	
	Aberdeen ...	29.63	33	NW	3	bc	29.65	+ 0.07	30	29	- 1	NW	4	sq	4	38	27	0.16	
	Leith ...	29.62	35	NE	3	6	29.70	+ 1.6	27	25	- 6	SW	2	b	*	40	25	0.02	
	Shields ...	29.55	34	N	3	cs hp	29.63	+ 1.8	26	26	- 6	NW	3	bc	3	40	22	0.14	
	Spurn Head ...	29.43	38	NNE	6	bc sp	29.63	+ 2.7	31	30	- 5	NW	5	bc sp	5	40	29	0.07	
	York ...	29.50	35	NW	1	bc	29.68	+ 2.5	29	28	+ 2	W	1	b	*	40	23	0.04	
	Loughborough	29.51	34	NW	2	8	29.72	+ 3.1	22	22	- 8	Z	0	bm	*	40	21	0.02	
GERMANY & HOLLAND.	Ardrossan ...	29.63	36	Z	0	6	29.73	+ 1.7	28	27	- 7	Z	0	bf	0	40	24	-	
	Malin Head ...	29.65	36	NE	1	6	29.73	+ 1.7	36	33	+ 2	NW	3	cs p	2	37	32	-	
	Mullaghmore ...	29.64	39	NNE	4	bv	29.76	+ 1.7	31	29	- 1	Z	0	bm	3	40	28	-	
	Belmullet ...	29.66	37	ENE	1	6	29.77	+ 1.7	32	31	- 0	E	1	b	*	41	28	-	
	Donaghadee ...	29.62	39	E	4	0	29.75	+ 1.9	31	30	- 4	NW	3	bc	1	41	28	-	
	Liverpool (Bidston)	29.57	36	NNE	3	bc	29.73	+ 2.6	32	30	- 1	NE	1	bc	2	40	29	-	
	Holyhead ...	29.59	38	NE	3	6	29.73	+ 2.5	37	35	+ 2	E	1	b	2	39	31	0.02	
	Parsonstown ...	29.62	37	Z	0	6	29.75	+ 1.6	23	23	+ 3	Z	0	b	*	43	19	-	
	Valencia ...	29.56	44	E	3	cm	29.70	+ 1.4	36	33	+ 3	NNE	2	bm	3	44	32	-	
	Roche's Point...	29.57	39	ESE	4	bc	29.69	+ 1.3	35	33	- 4	NE	3	b	4	44	30	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.57	35	N	1	6	29.67	+ 1.9	32	30	- 2	ENE	4	bc	2	39	29	-	
	Soilly ...	29.57	35	N	1	6	29.67	+ 1.9	32	30	- 2	ENE	4	bc	2	39	29	-	
	Prawle Point ...	29.57	35	N	1	6	29.67	+ 1.9	32	30	- 2	ENE	4	bc	2	39	29	-	
	Jersey (St. Aubin's)	29.53	35	NW	3	m	29.70	+ 3.7	31	30	+ 1	ENE	2	bm	3	40	28	-	
	Hurst Castle ...	29.53	35	NW	3	m	29.70	+ 3.7	31	30	+ 1	ENE	2	bm	3	40	28	-	
	Dungeness ...	29.41	36	NW	5	cu	29.70	+ 4.5	31	31	- 4	NW	3	m	2	38	27	-	
	London ...	29.48	36	NW	3	cs p	29.72	+ 4.3	27	26	- 6	SW	1	bf	*	38	23	-	
	Oxford ...	29.58	32	NW	2	6	29.74	+ 3.7	16	16	- 12	Z	0	bc	*	41	15	-	
	Cambridge ...	29.48	33	N	3	8	29.73	+ 4.0	29	28	- 5	SW	1	b	*	42	22	0.03	
	Yarmouth ...	29.36	36	N	4	cs	29.64	+ 3.7	29	29	- 7	NW	4	cm	4	39	27	0.03	
PENINSULA.	Cuxhaven ...	29.31	36	S	1	f	29.38	+ 0.9	36	35	+ 2	NW	3	0	*	38	34	0.28	
	Berlin ...	29.38	42	W	3	c	29.57	+ 2.6	42	39	- 3	SW	5	c	*	55	39	-	
	Wiesbaden ...	*	*	*	*	*	29.73	+ 4.1	36	35	- 7	SW	2	bc	*	46	34	0.08	
	Munich ...	29.60	33	SW	6	0	29.82	+ 4.8	33	31	- 8	SW	5	bc	*	41	30	0.32	
	The Helder ...	29.29	35	NW	1	0	29.52	+ 2.7	36	34	+ 2	W	4	b	4	37	34	0.08	
	Brussels (9 a.m.)	*	*	*	*	*	29.72	+ 5.1	33	33	- 8	NW	3	0	*	41	32	0.12	
	Cape Gris Nez	29.41	36	NW	5	0	29.66	+ 5.1	31	30	- 12	N	2	b	2	37	28	0.35	
	Paris ...	29.54	38	W	3	7	29.75	+ 5.2	29	29	- 12	ESE	1	b	*	43	28	0.04	
	Brest ...	29.64	?	Z	0	0	29.38	- 0.06	40	39	+ 2	E	4	0	5	46	34	0.12	
	Lorient ...	29.61	41	Z	0	6	29.39	- 0.06	40	39	+ 2	ESE	6	7	5	45	36	0.28	
PENINSULA.	Rochefort ...	29.69	44	SW	4	0	29.51	+ 0.3	41	37	- 2	SSE	6	0	*	55	30	-	
	Belfort ...	?	38	W	5	c	?	?	36	?	- 0	W	2	b	*	46	26	-	
	Lyons ...	29.71	40	W	2	?	29.83	+ 2.7	31	30	- 7	NW	1	b	*	51	29	-	
	Nice ...	29.55	49	W	5	6	29.75	+ 2.8	38	31	- 13	E	4	b	2	55	36	-	
	Perpignan ...	29.77	48	NW	4	6	29.75	+ 1.2	34	33	- 11	W	2	b	*	55	29	-	
	Barritz ...	29.72	47	E	2	6	29.85	+ 1.2	51	42	+ 8	S	5	0	3	52	41	0.08	
	Cornona ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

WEATHER CHARTS

for 8 a.m. on Thursday, 12th March, 1891.

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.

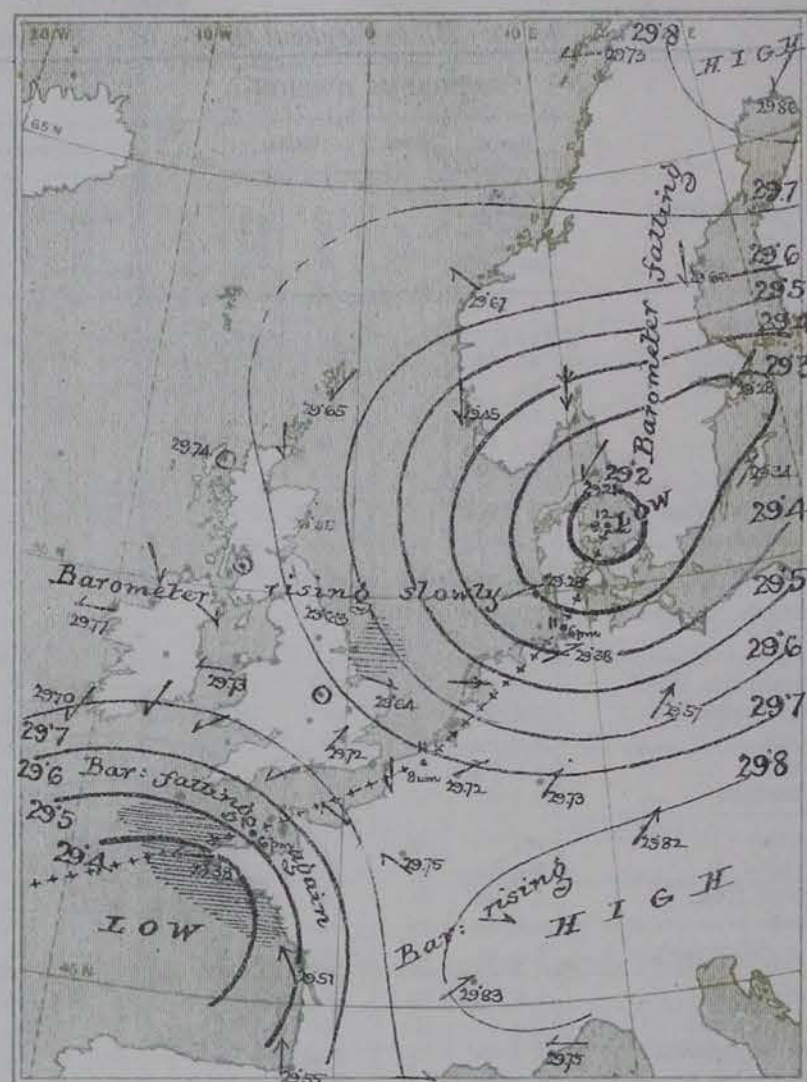
SEA DISTURBANCE—Where considerable, is shown thus:

— = 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
Shield	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.965
Mullaghmore	29.974
Donaghadee	29.982
Holyhead	29.997
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Sailly	29.947
Prawle Point	29.965
Jersey	29.961
Hurst Castle	29.954
Dover	29.933
LONDON	29.950
Oxford	29.951
Cambridge	29.941
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.

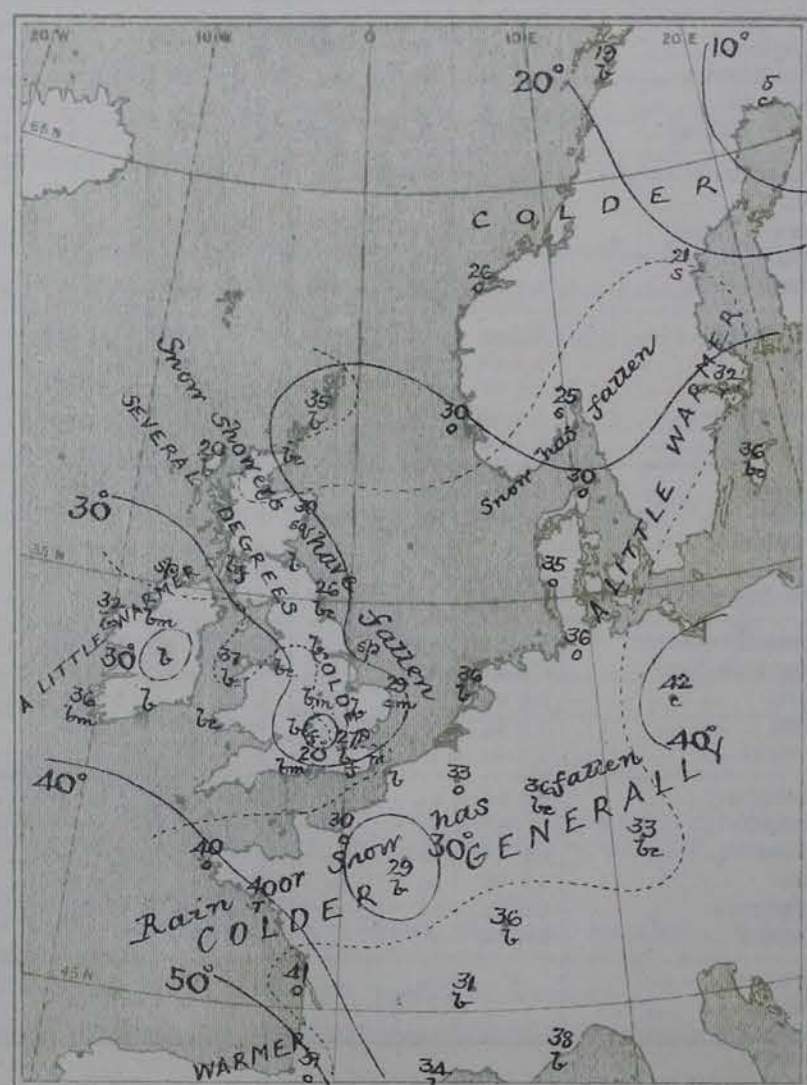
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	MEAN Dry.	MEAN Wet.	
Sumburgh Head	42.6	33.0	38.3	36.0	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	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.33
Leith	47.9	34.6	39.5	37.7	1.41
Shield	45.9	35.2	39.4	37.8	1.75
Spurn Head	41.7	30.6	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	33.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.61
Donaghadee	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	35.1	42.1	40.3	2.40
Sailly	49.5	42.5	45.0	44.2	2.40
Prawle Point	48.1	37.7	42.0	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	1.84
Dover	46.4	36.9	40.7	39.2	1.82
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	38.9	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.8 in. and more over Scotland and also over the south-east of France; 29.7 in. and more over Ireland, Central, and southern England.
 Lowest, 29.4 in. and less, in a new depression over the Bay of Biscay, its centre being to the south-westward of Ushant.
 Gradients rather steep over Brittany and the west of France, moderate over the North Sea, slight elsewhere.
 Barometer falling fast over Brittany, not changing much in our Islands. [Our southwestern reports are still wanting.]

TEMPERATURE

Highest, 51° at Biarritz, 40° to 41° in the northwest of France.
 Lowest, (1) 3° at Haparanda, 13° at Bodö, 21° at Helsingfors, (2) 16° at Oxford, 21° at Loughborough, 23° at Harrogate, 25° at Harrow, 27° in London, 23° at Paris.
 It has been as low as 23° in the shade and 14° on the grass during the night; much lower at Oxford.

WIND

Very light and variable but mainly N³ over our northern and western coasts, calm over our inland countries.
 W³ over the North Sea. Strong S³ in the southwest of France, E³ gale at Brest.

WEATHER

Fine over the greater part of our Islands, but hazy, in places, rather foggy in London.
 Snow showers are still prevalent on our northeastern coasts.

SEA

Rather rough at Brest, Lorient, and Guenat, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is probable that as the new depression in the southwest advances a definite increase of wind and snow will be experienced in the Channel, which has accordingly been warned. Very cold weather is still probable in the north.

FORECASTS

For the 24 hours ending at NOON on 13th March 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Very light winds, mainly N³; very cold, hazy, fair as a whole.

Same as No 5

Same as No 0 to 2.

Wind becoming E³ and increasing in force; fair to unsettled, perhaps snow. Gale probable in Channel.

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

Same as No 0 to 2

E³ to NE³ winds, increasing, gale in Channel; some snow.

Light N³ winds; very cold, hazy, fair.

WARNINGS

NONE ISSUED AT PRESENT.

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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.54	36	32	ENE	2	bc	3	Holyhead ...	29.56	38	35	NNE	4	bc	4
Sumburgh Head ...	29.59	35	34	ENE	4	c	4	Valencia ...	29.54	44	38	E	2	bc	2
Stornoway ...	29.68	32	32	Z	0	bc	3	Scilly ...							
Aberdeen ...	29.59	36	34	N	4	cqsp	4	Jersey ...							
Shields ...	29.50	34	33	NW	3	c	3	Dungeness ...	29.30	37	36	N	6	cqsp	4
Ardrossan ...	29.59	40	37	Z	0	b	1	London ...	29.39	38	35	NW	3	c	3
Malin Head ...	29.60	36	33	NNE	1	b	1	Yarmouth ...	29.29	39	37	NNE	4	chsp	5
Mullaghmore ...	29.62	40	33	NE	4	bv	2	Rocheport ...	29.63	45	42	NW	5	o	?
Belmullet ...	29.63	41	37	E	1	b	*								

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

Weather still very unsettled in the east and southeast of Great Britain, with snow showers in many places. Dull at many of the Continental stations, with fog over North Germany, rain in some parts of France and Italy, and snow over the Gulf of Finland. Fine in the west and north of our Islands, as well as in Poland, Austria, the south of Russia and central Spain. Rain falling during day at most of the French and German stations and slight snow in the extreme north of Scotland.

Temperature highest, 65° at Palermo, 62° at Algiers, 60° at Tunis, and 59° at Cagliari; above 50° at most of the Mediterranean stations. Lowest 14° F at Kuspis, 17° at Ullsabo, and 18° at Archangel; below the freezing point in nearly all parts of northern Europe, as well as over the northern and central parts of the United Kingdom, and as low as 20° at Parnassos. Daily maxima mostly below 40° in the north and east of Great Britain, and below 45° in the west, but thermometer rising to between 50° and 55° over France.

Wind E or NE over Finland and Scandinavia; N in our Islands - strong in force on our east and southeast coasts; strong to a gale from the W or NW in the west of France; S or SW over the eastern and central parts of France and the north of Italy. Light from the SE or S over the greater part of central and eastern Europe, N to NW over Spain. Subsequently backing to the NW in the southeast of England, but shifting to the eastward in the south of Ireland.

Barometer highest 30.1 in. and upwards, in a large anticyclone lying over Russia, 29.9 in. and upwards in another system lying to the southwestward of Spain. Lowest 29.2 in. and less, in a depression lying over Kent, Belgium, and the northeast of France. 29.3 in. and less, in a long trough stretching from the north of France to Denmark. Depression subsequently moving away northwards, and barometer rising in all parts of the United Kingdom.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Friday, 13th March,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.39	?	NE	4	S	29.52	- 34	9	9	+ 4	NW	2	b	*	19	-2	0.28
	Hernösand ...	29.50	19	Z	0	b	29.70	+ 08	9	9	- 12	Z	0	b	*	25	?	0.39
	Stockholm ...	29.50	35	S	2	0	29.71	+ 43	28	26	- 4	W	4	S	*	37	25	0.04
	Wisby ...	29.54	35	SSW	4	b	29.75	+ 41	33	31	- 3	WSW	4	c	*	39	32	
	Bodö ...	29.62	23	E	2	C	29.62	- 11	32	28	+ 13	WNW	5	bc	3	?	18	
	Christiansund	29.69	44	E	1	b	29.80	+ 11	25	22	- 1	ESE	2	b	3	32	23	
	Skudesnaes ...	29.57	30	NNE	2	b	29.86	+ 41	30	28	0	ESE	2	b	2	34	25	
	Christiania Fjord (Færder)	29.47	26	WNW	3	S	29.83	+ 52	26	25	+ 1	N	3	C	1	27	25	
	Skagen (The Seaw)	29.56	28	NW	1	0	29.82	+ 61	28	27	- 2	N	1	C	2	30	27	0.04
	Fanö ...	29.68	33	W	3	C	29.83	+ 55	35	34	0	W	2	b	*	36	32	
BRITISH ISLANDS.	Sumburgh Head	29.71	35	NNE	3	b	29.79	+ 14	37	35	+ 2	WSW	1	C	3	38	28	
	Stornoway ...	29.79	33	Z	0	b	29.81	+ 07	31	31	+ 11	SW	3	bc	4	40	16	
	Wick ...	29.77	37	N	2	C	29.83	+ 16	31	30	- 2	Z	0	b	0	41	22	
	Nairn ...	29.78	38	NE	1	b	29.88	+ 18	25	24	0	Z	0	b	1	43	19	
	Aberdeen ...	29.75	35	N	4	ogqsp	29.94	+ 29	24	28	- 1	W	1	bm	4	39	26	0.09
	Leith ...	29.80	41	E	2	C	29.93	+ 23	32	30	+ 5	W	2	C	*	46	26	
	Shields ...	29.69	35	WNW	2	b	29.85	+ 22	38	34	+ 12	NNW	3	C	3	40	23	0.01
	Spurn Head ...	29.72	38	NNW	3	b	29.83	+ 20	36	35	+ 5	NNW	3	Cph	3	39	31	0.03
	York ...	29.73	38	NNW	1	b	29.87	+ 19	32	31	+ 3	NNW	1	b	*	40	25	
	Loughborough	29.75	35	SE	1	b	29.85	+ 13	30	29	+ 8	NNE	1	om	*	48	22	
GERMANY & HOLLAND.	Ardrossan ...	29.77	40	WNW	2	b	29.92	+ 19	33	31	+ 5	ENE	1	b	1	43	27	
	Malin Head ...	29.78	38	N	2	b	29.89	+ 16	32	30	- 4	S	2	b	2	39	30	
	Mullaghmore ...	29.79	40	N	4	bv	29.93	+ 17	29	28	- 2	Z	0	b	2	41	26	
	Belmullet ...	29.83	39	NNE	1	b	29.92	+ 15	34	32	+ 2	SSE	2	b	*	43	28	
	Donaghadee ...	29.79	38	NNE	3	b	29.93	+ 18	30	30	- 1	NW	3	m	1	44	29	
	Liverpool (Bidston)	29.77	36	NNW	2	b	29.88	+ 15	34	31	+ 2	NE	1	C	2	40	30	
	Holyhead ...	29.77	37	NE	2	b	29.88	+ 15	37	35	0	ENE	3	bc	2	42	35	
	Parsonstown ...	29.79	39	Z	0	b	29.94	+ 19	22	21	- 1	Z	0	b	*	44	19	
	Valencia ...	29.78	41	NNE	4	bm	29.94	+ 24	35	32	- 1	Z	0	bm	1	44	30	
	Roche's Point...	29.75	40	E	4	b	29.89	+ 20	35	32	0	N	3	b	4	45	30	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.80	38	ENE	3	C	29.80	+ 13	36	34	+ 4	ENE	3	Cgm	2	41	31	
	Soilly ...																	
	Prawle Point ...																	
	Jersey (St. Aubin's)																	
	Hurst Castle ...	29.66	38	E	5	ogm	29.69	- 01	37	35	+ 6	NE	7	0	4	39	30	0.20
	Dungeness ...																	
	London ...	29.73	36	E	3	ogm	29.76	+ 04	37	35	+ 10	E	4	C	*	41	27	
	Oxford ...	29.77	36	NE	2	C	29.80	+ 06	32	31	+ 10	NE	3	0	*	42	16	
	Cambridge ...	29.77	33	E	1	b	29.83	+ 10	33	31	+ 4	E	1	0	*	45	27	
	Yarmouth ...	29.74	38	NNW	1	bcm	29.80	+ 16	37	35	+ 8	ENE	4	C	3	39	29	
GERMANY & HOLLAND.	Cuxhaven ...	29.69	34	WSW	3	C	29.88	+ 50	30	22	- 6	SSW	2	b	*	37	28	0.04
	Berlin ...	29.84	39	S	4	b	29.99	+ 42	33	32	- 9	SE	1	b	*	45	30	
	Wiesbaden ...	*	*	*	*	*	29.82	+ 09	38	34	+ 2	NE	2	b	*	45	34	
	Munich ...	29.85	33	SW	3	b	29.77	- 05	30	29	- 3	E	2	b	*	41	27	
	The Helder ...	29.77	36	NW	1	b	29.86	+ 34	34	34	- 2	E	1	C	1	39	30	
	Brussels (9 a.m.)	*	*	*	*	*	29.76	+ 04	36	33	+ 3	ESE	2	C	*	42	32	
	Cape Gris Nez	29.71	36	E	3	C	29.67	+ 01	34	33	+ 3	ENE	4	C	2	41	30	
	Paris ...	29.64	42	ENE	3	0	29.60	- 15	42	38	+ 13	ESE	2	bc	*	48	29	
	Brest ...	29.33	46	ESE	1	+	29.51	+ 13	44	43	+ 4	E	1	0	4	46	40	0.20
	Lorient ...	29.34	45	SE	5	f	29.45	+ 06	44	43	+ 4	ESE	3	f	6	48	39	0.28
FRANCE AND BELGIUM.	Rochefort ...	29.43	52	S	5	0	29.47	- 04	46	45	+ 5	SSW	5	0	*	55	37	0.12
	Belfort ...	?	34	W	2	C	?	?	34	?	- 2	W	2	C	*	46	30	
	Lyons ...														*			
	Nice ...	29.85	45	SE	1	C	29.76	+ 01	45	40	+ 7	E	6	0	4	55	32	
	Perpignan ...	29.57	55	SW	3	0	29.55	- 20	47	45	+ 13	SE	2	0	*	63	34	0.04
	Biarritz ...	29.38	56	SW	6	0	29.44	- 11	45	45	- 6	SSE	3	0	3	59	43	0.08
SPAIN.	Corunna ...	*	*	*	*	*												
	Lisbon ...	29.52	48	W	4	b	29.82	+ 30	47	44	- 5	WNW	4	b	4	55	46	0.47

WEATHER CHARTS

for 8 a.m. on Friday, 13th March, 1891.

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 shew 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:

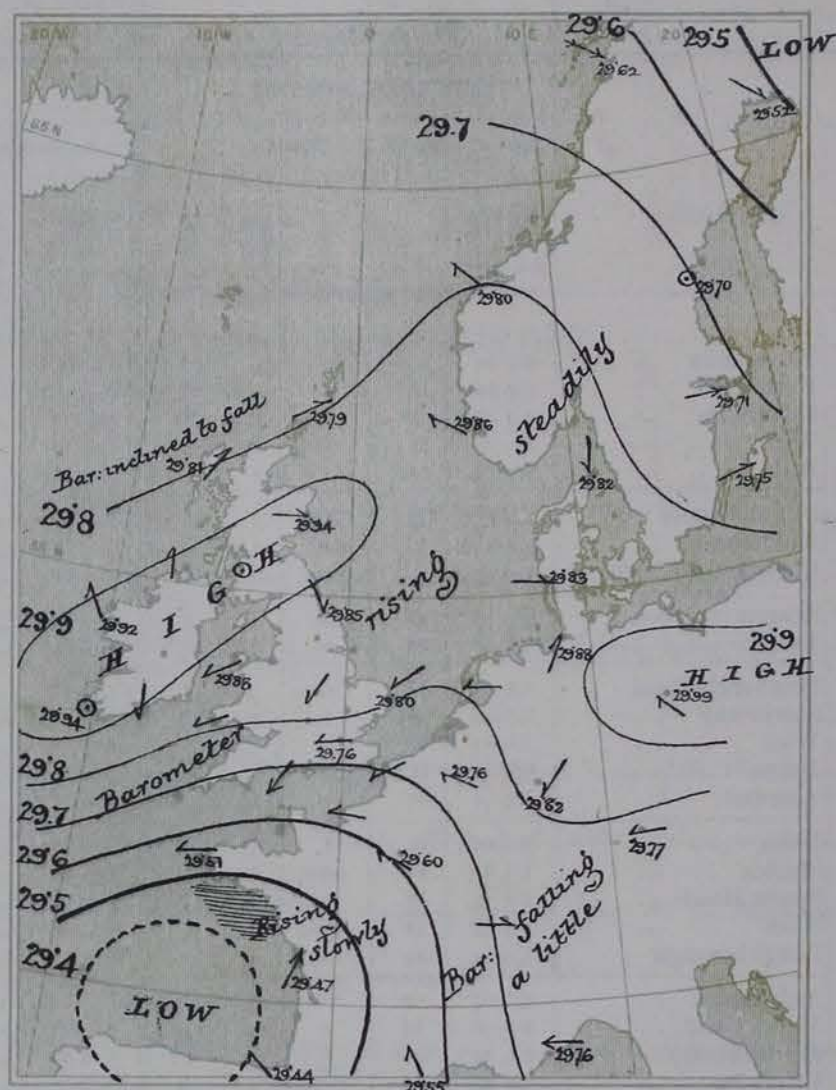
▨ = Rough. ▨ = High.

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	29.741
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	29.874
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.

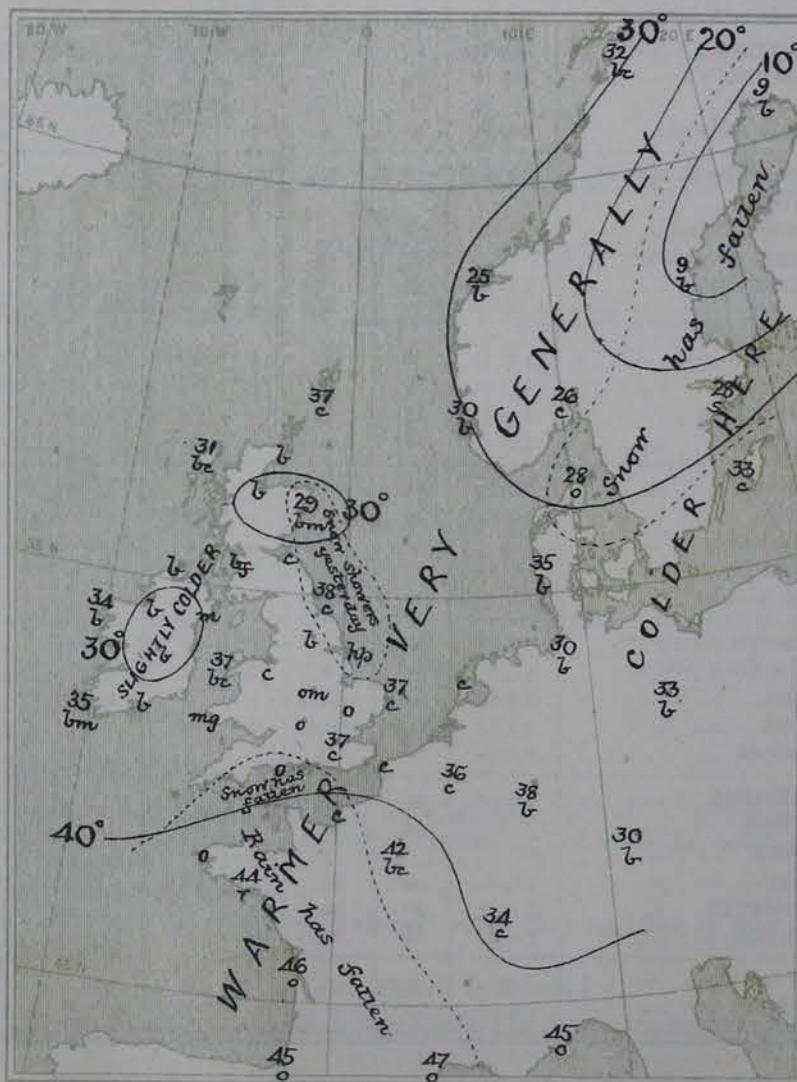
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.6	33.0	38.3	36.0	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	40.5	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	2.61
Donaghadee	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	41.9	42.6	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
Sally	49.5	42.5	45.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.25
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
Dover	49.4	36.0	40.7	39.2	1.85
LONDON	50.0	35.4	40.1	38.2	1.48
Oxford	49.0	34.9	38.9	37.4	1.59
Cambridge	50.2	33.0	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in. and more to 29.8 in. over the greater part of our Islands, the North Sea, Denmark and North Germany.
Lowest, about 29.4 in. and less, over the Bay of Biscay, and about 29.5 in. over the east of Scotland.
Gradient moderate in the south slight elsewhere.
Barometer inclined to fall a little at Hornoway, but rising as a rule elsewhere.

TEMPERATURE

Highest, 47° at Lisbon and Perpignan, 46° at Rochefort, 44° at Brest, 42° at Paris.
Lowest, (1) 9° at Haparanda and Hornö and, 25° at Christianund, 28° at Stockholm, (2) 22° at Amsterdam, 25° at Paris, 23° at Billingham, and 30° over Central England.
In London the thermometer, after falling to 35° in the night had risen to 37° by 8 am, but was not going up quickly.

WIND

Still NE to E³ at all our southern stations, and is moderate to strong in the Channel.
Over our more northern districts it is nearly calm, and at Linnburgh, H¹ and Hornoway light airs from the SW have set in.
Over the Bay of Biscay moderate winds prevail though the circulation is cyclonic.

WEATHER

Fine in most places, but dull over the Bay of Biscay, and in places rainy.
Slight hail showers are falling at Fiumicino, and snow showers have occurred over the Channel in the night.
A star halo is visible in London, but the appearance of the sky is improving.

SEA

Moderate at those of the Channel stations from which reports have been received and also at our northern stations, rough at Brest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather appears to be now settling at the southern stations, and is at present quiet over the Kingdom as a whole.

FORECASTS

For the 24 hours ending at NOON on 14TH MARCH 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ² breezes, moderate; fair as a whole, milder.
1	SCOTLAND EAST	SW ² breezes, light; fine, warmer.
2	ENGLAND N.E.	Same as No 4.
3	ENGLAND EAST	NE ² breezes, moderate; fair, cold.
4	MIDLAND COUNTIES	Varying airs and Calms; very cold, hazy or foggy at times.
5	ENGLAND SOUTH	NE ² and E ² breezes, subsiding; cold, dry.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	SW ² breezes, moderate; fair, warmer.
8	ENGLAND S.W.	Same as No 5
9	IRELAND NORTH	Same as No 0
10	IRELAND SOUTH	Same as No 4.

WARNINGS

The NORTH CONE which was hoisted yesterday in districts 5 and 8 has been lowered again 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		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.44	34	31	n	2	0	2	Holyhead ...	29.76	39	36	NE	3	b	2
Sumburgh Head ...	29.68	36	33	NE	3	0	4	Valencia ...	29.74	44	39	NE	2	bom	4
Stornoway ...	29.77	40	37	23	0	0	3	Scilly ...							
Aberdeen ...	29.69	32	34	NE	3	OSP	4	Jersey ...							
Shields ...	29.67	39	34	NE	3	0	3	Dungannon ...	29.73	40	35	E	4	b	3
Ardrossan ...	29.74	43	40	W	2	0	1	London ...	29.72	41	36	E	2	c	3
Malin Head ...	29.78	38	34	N	2	0	1	Yarmouth ...	29.71	39	35	NW	4	c	4
Mullaghmore ...	29.79	41	35	NW	1	EV	2	Rochefort ...	29.47	53	46	SE	6	0	3
Belmullet ...	29.81	42	37	NE	1	0	*								

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

Weather fine over the greater part of our Islands as well as over the Netherlands, western Germany, Austria, Algeria, and the eastern and central parts of France, but snow showers reported on the east coast of Great Britain. Dull elsewhere, with fog over the south of Russia, rain on the west coasts of the Iberian Peninsula and at Lorient and Rome, and snow in some parts of Finland and Scandinavia. Snow falling at night at some of our south coast stations, but weather clearing in the west of Norway.

Temperature highest 58° at Sfax, 57° at Palermo, 56° at Legna and Brindisi and 54° at Bilbao, a little above 50° at most of the Mediterranean stations. Lowest (1) 5° at Haparanda, 12° at Uleaborg, 18° at Archangel, and 19° at Rodo; (2) 16° at Oxford, 20° at Stornoway, 22° at Loughborough, and 23° at Harbin; below the freezing point in nearly all parts of our Islands and northern Europe. Daily maxima below 45° over the greater part of the United Kingdom, and below 40° at some of our northern and eastern stations, but thermometer exceeding 50° in the west and south of France, and reaching 63° at Perpignan.

Wind strong from the S^W over Spain and the west of France, and from the E^W over Britain, light from the E^W or NE^W in the extreme south and southwest of our Islands. Moderate from N. or NW. in the north and east of the United Kingdom, moderate from SW. over Germany and the Baltic, light from the S^W over Western Russia, moderate to strong from E. or NE. over Finland and Scandinavia. Variable over Italy, S^W in Algeria. E^W breezes setting in ^{late} over all the more southern parts of our Islands, and blowing a gale at some of the Channel stations.

Barometer highest 30.1 in: and upwards, in a large anticyclone lying over Russia, 29.9 in: and upwards, over Algeria and the adjacent parts of the Mediterranean. Lowest 29.3 in: and less, in an elongated depression lying over Denmark and the south of Sweden, and also in a new system lying off the northwest of Spain. Both disturbances moving northwards later, and barometers falling somewhat decidedly over France.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Saturday, 14th March, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.70	13	W	2	6	29.99	+ .47	8	8	- 1	Z	0	bc	*	21	7	-	
	Hernösand ...	30.03	17	Z	0	6	30.20	+ .50	13	12	+ 4	Z	0	b	*	34	1	-	
	Stockholm ...	30.17	22	W	2	6	30.32	+ .61	19	18	- 9	Z	0	bc	*	37	?	-	
	Wisby ...	30.13	28	Z	4	6	30.19	+ .44	32	31	- 1	ESE	4	c	*	36	27	-	
	Bodö ...	29.76	29	E	2	S	29.86	+ .24	33	32	+ 1	SEW	4	bc	2	33	28	-	
	Christiansund	29.90	36	SW	4	c	30.01	+ .21	36	30	+ 10	SSE	3	c	3	36	?	-	
	Skudesnaes ...	30.07	36	SSE	4	6	30.10	+ .34	30	27	0	SSE	5	b	4	?	28	-	
	Christiania Fjord (Færd)	30.10	30	Z	0	6	30.19	+ .36	22	21	- 4	NNE	5	0	2	30	21	-	
	Skagen (The Scaw)	30.11	28	E	1	c	30.11	+ .29	29	26	+ 1	SE	1	c	1	32	25	-	
	Fanö ...	30.01	33	E	4	0	29.98	+ .15	33	31	- 2	ESE	4	b	*	35	32	-	
BRITISH ISLANDS.	Sumburgh Head	29.85	37	W	2	6	29.84	+ .05	37	34	0	SE	4	0	4	40	31	-	
	Stornoway ...	29.80	39	SW	4	0	29.73	- .08	39	38	+ 8	SW	6	0	6	40	29	0.03	
	Wick ...	29.88	39	S	3	6	29.84	+ .01	36	35	+ 5	S	5	0	2	42	30	-	
	Nairn ...	29.88	36	SW	1	6	29.85	- .03	33	32	+ 8	W	2	bc	1	45	25	-	
	Aberdeen ...	29.97	37	SE	2	6	29.94	- .00	37	32	+ 8	S	1	c	3	44	29	-	
	Leith ...	29.96	37	NE	1	6	29.92	- .01	26	26	- 6	Z	0	m	*	45	24	-	
	Shields ...	29.93	40	NE	2	c	29.91	+ .06	35	34	- 3	WNW	1	cph	3	44	32	0.01	
	Spurn Head ...	29.87	39	NE	3	bc	29.86	+ .03	39	37	+ 3	ESE	4	u	3	42	34	-	
	York ...	29.91	39	ESE	2	c	29.91	+ .04	34	33	+ 2	Z	0	u	*	43	29	-	
	Loughborough	29.87	38	ESE	3	bc	29.89	+ .04	35	34	+ 5	Z	0	ogm	*	47	29	0.01	
GERMANY & HOLLAND.	Ardrossan ...	29.94	38	ESE	1	6	29.92	- .00	32	30	- 1	ESE	1	cf	1	45	29	-	
	Malin Head ...	29.91	40	S	3	6	29.81	- .08	35	32	+ 3	S	5	0	2	43	32	-	
	Mullaghmore ...	29.91	41	SW	1	6	29.84	- .09	38	33	+ 9	SW	5	om	3	44	29	-	
	Belmullet ...	29.91	41	SW	1	bc	29.82	- .10	41	41	+ 7	S	2	or	*	45	33	0.15	
	Donaghadee ...	29.94	42	ESE	2	6	29.91	- .02	33	31	+ 3	W	2	m	0	46	29	-	
	Liverpool (Bidston)	29.89	39	ESE	2	c	29.90	+ .02	35	33	+ 1	E	1	0	2	42	32	-	
	Holyhead ...	29.90	40	ESE	3	bc	29.90	+ .02	37	35	0	Z	0	ogm	0	42	36	-	
	Parsonstown ...	29.93	53	Z	0	6	29.91	- .03	27	26	+ 5	Z	0	c	*	36	21	-	
	Valencia ...	29.96	40	NW	1	cm	29.91	- .03	40	39	+ 5	ESE	1	cm	2	45	32	0.01	
	Roche's Point...	29.93	44	ESE	1	bc	29.93	+ .04	35	33	0	N	1	b	3	47	30	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.85	40	ESE	2	0	29.91	+ .11	36	35	0	N	1	cgm	1	43	35	-	
	Scilly ...																		
	Prawle Point ...																		
	Jersey (St. Aubin's)																		
	Hurst Castle ...	29.74	41	ESE	4	0	29.81	+ .12	37	36	0	NE	3	omr	4	43	35	0.01	
	Dungeness ...	29.71	41	ESE	6	0	29.74	+ .06	39	39	0	ESE	4	c	3	42	?	?	
	London ...	29.79	42	ESE	2	0	29.81	+ .05	38	36	+ 1	NE	1	ogm	*	46	36	0.01	
	Oxford ...	29.84	37	E	3	0	29.85	+ .05	39	33	+ 1	E	1	ots	*	45	31	0.05	
	Cambridge ...	29.85	38	NE	1	c	29.85	+ .02	38	37	+ 5	N	1	0	*	48	31	0.01	
	Yarmouth ...	29.82	38	ESE	5	bc	29.81	+ .01	38	37	+ 1	E	4	cm	4	40	36	-	
SPAIN & PORTUGAL.	Cuxhaven ...	29.95	38	ESE	3	m	29.90	+ .02	34	33	+ 4	ESE	4	bc	*	40	30	-	
	Berlin ...	29.93	43	E	3	6	29.80	- .19	39	38	+ 6	E	4	0	*	46	33	-	
	Wiesbaden ...	*	*	*	*	*	29.70	- .12	34	32	- 4	N	1	b	*	48	32	-	
	Munich ...	29.70	35	SE	2	6	29.63	- .14	29	28	- 1	Z	0	m	*	45	27	-	
	The Helder ...	29.67	37	NE	2	6	29.84	- .02	36	34	+ 2	ESE	2	bc	3	39	34	-	
	Brussels (9 a.m.)	*	*	*	*	*	29.76	- .00	34	33	- 2	NE	2	bc	*	45	31	-	
	Cape Gris Nez	29.69	40	NE	4	0	29.71	+ .04	38	36	+ 4	NE	3	c	3	45	32	-	
	Paris ...	29.67	50	E	2	0	29.73	+ .13	34	32	- 8	SW	1	bc	*	55	31	-	
	Brest ...																		
	Lorient ...	29.65	49	Z	0	r	29.82	+ .37	43	41	- 1	N	3	0	3	52	41	0.08	
ITALY.	Rochefort ...	29.61	48	NW	3	0	29.76	+ .29	46	45	0	NW	3	0	*	57	37	-	
	Belfort ...	?	37	N	3	c	?	?	36	?	+ 2	N	3	bc	*	46	27	-	
	Lyons ...	?	48	NW	2	bc	29.65		37	34		NW	2	bc	*	59	36	-	
	Nice ...	29.66	49	NE	7	0	29.51	- .25	46	40	+ 1	NW	2	0	4	54	?	-	
	Perpignan ...	29.49	44	W	4	r	29.68	+ .13	41	40	- 6	NW	3	r	*	52	38	1.82	
	Biarritz ...	29.58	50	NW	5	r	29.76	+ .32	45	44	0	S	1	r	2	62	43	0.91	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	30.01	47	WNW	5	bc	30.14	+ .32	47	42	0	N	3	0	5	54	45	0.04	

For Explanation of Columns, see bottom of p. 4.



† Received too late for insertion in Charts on p. 2.

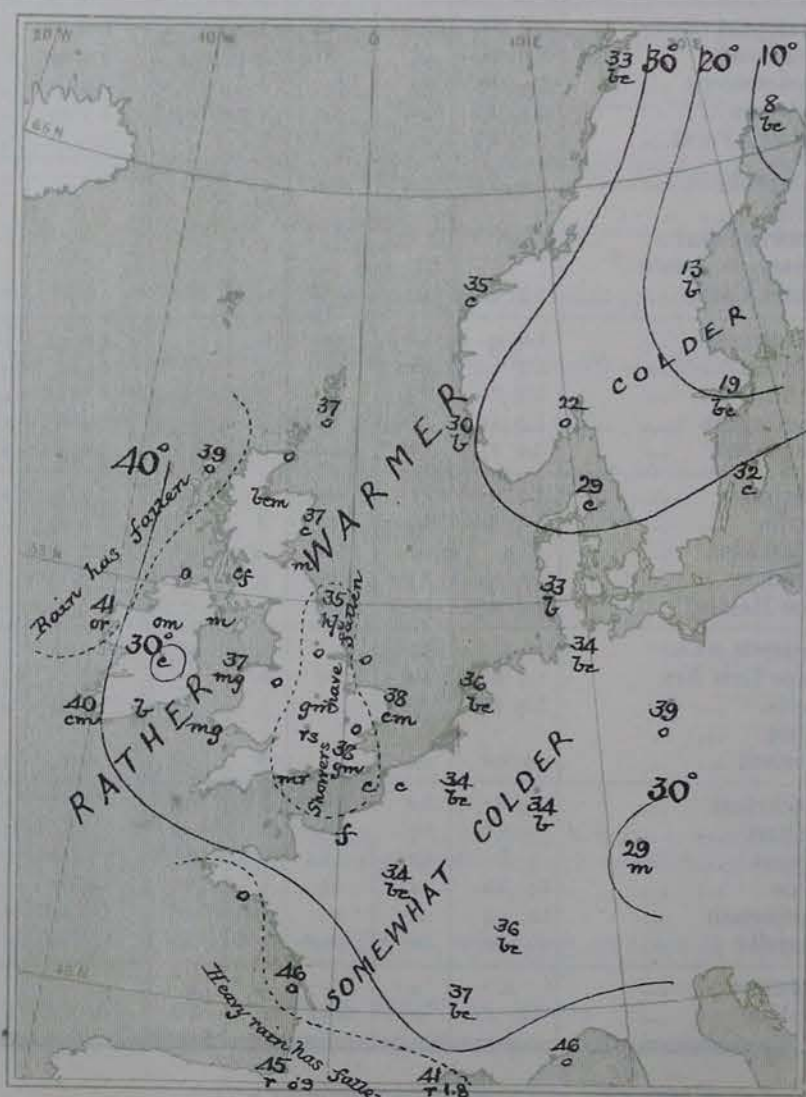
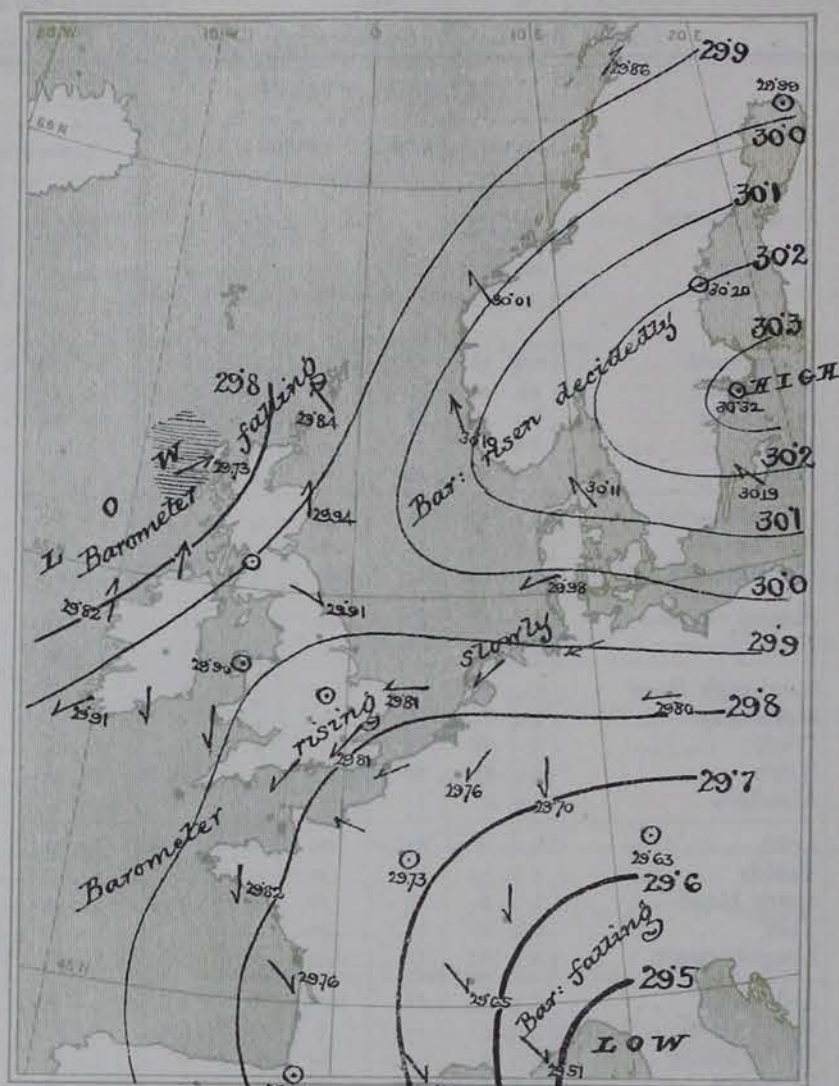
for 8 a.m. on Saturday, 14th March, 1891.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

 = forces above 10; = forces 8 to 10

 forces 5 to 7;  forces 1 to 4.
 dead calm.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and more, to 30.1 in. over the Baltic and southern half of Scandinavia, 30.0 in. to 29.9 in. in a "col" stretching thence across the north of Europe, Irish Sea and S.E. of Ireland.
 Lowest, 29.5 in. and less, over the southeast of France; 29.8 in. and less over our extreme northwestern districts.
 Gradients moderate to slight—increasing in the west and northwest, decreasing in the southeast.
 Barometer beginning to fall very generally over Ireland and Scotland.

TEMPERATURE

Highest, 47° at Leabow, 46° at Nice, 43° at Orient, 40° to 41° in the east of Ireland.
 Lowest, 8° at Napavanda, 13° at Helsingfors, 19° at Stockholm.
 It is below 40° all over Great Britain; 38° in London, but is rising on our western and northern coasts.

WIND

S³ to SW³ on most of the Irish and Scotch coasts, SE in the west of Norway, but of no great strength anywhere.
 It is still NE² to N³ in the southeast and south, but has become moderate to light in force.
 The SW¹ current seems to be spreading and gaining strength.

WEATHER

Fine and bright over Scandinavia and the North Sea, variable elsewhere, very dull in many parts of our Islands, with hail showers at Shields, sleet at Oxford, rain in one or two other places. Much rain has fallen in the southeast of France.

SEA

Has become rough in the Winch, it is moderate on our east and southeast coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southerly to southerly wind seems likely to increase a good deal in the west and north, and our extreme north and northwest coasts have accordingly been warned this morning.

FORECASTS

For the 24 hours ending at NOON on 15 March 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ² and SW ² winds, strong, perhaps a gale; rainy, mild.
1	SCOTLAND EAST	SW ² winds, freshening; fair to showery.
2	ENGLAND N.E.	Same as No 4.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Wind shifting to SW, light; fine, milder cold tonight.
5	ENGLAND SOUTH	NE ² winds, light, falling calm; fair, foggy at times in several places, very cold tonight.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	SW ² breezes, freshening; fair to showery, milder.
8	ENGLAND S.W.	Same as No 4.
9	IRELAND NORTH	S ² and SW ² winds increasing in force; becoming showery and unsettled.
10	IRELAND SOUTH	
WARNINGS		SOUTH CONE hoisted this morning in district 0. and part of 9.

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.

		THER:		WIND						THER:		WIND					
	BAR:	D.	W.	D.	F.	WEA.	SEA			BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	30.00	40	?	SSE	2	b	2	Holyhead ...	...	29.89	42	38	NE	3	b	2	
Bumburgh Head ...	29.83	39	35	WSW	3	bc	3	Valencia ...	...	29.94	44	39	N	2	bm	2	
Stornoway ...	29.81	40	37	SW	4	c	4	Scilly ...	...							
Aberdeen ...	29.94	42	36	SSE	2	b	3	Jersey ...	...							
Shields ...	29.91	42	37	NE	5	c	4	Dungeness ...	...	29.68	42	39	ENE	6	c	4	
Ardrossan ...	29.93	44	38	ENE	1	b	1	London ...	...	29.76	46	41	ENE	2	c	*	
Malin Head ...	29.89	43	36	S	3	b	2	Yarmouth ...	...	29.82	40	37	ENE	4	bc	4	
Mullaghmore ...	29.93	42	37	NE	2	b	2	Rocheport ...	...	29.56	54	50	SE	2	c	*	
Belmullet ...	29.93	44	39	SW	1	b	*										

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

Weather fine over the greater part of our Islands as well as over northern and central Europe, but snow reported at Uleaborg, and Stockholm, and rain at Whettersburg. Dull elsewhere with rain over Spain and the south of France, and fog at some of the Italian stations as well as in the south of Russia. A little rain or sleet falling later in the south of England.

Temperature highest 58° at Brindisi, 57° at Malta, 56° at La Palme, 55° at Algiers, and 54° at Cagliari and Tunis; above 50° at most of the Mediterranean stations. Lowest (1) 3° at Haparanda and Komorand, 18° at Uleaborg, and 25° at Christiania; (2) 22° at Pansoutown, 25° at Kain, and 29° at Aberdeen and Mullaghmore; below the freezing point in many parts of the United Kingdom. Subsequently rising to 45° or more at several of our own stations and exceeding 55° in some parts of France.

Wind NW or W in Spain. S or SE in France and Algeria and NE over the southern parts of the United Kingdom; strong in force at some of the Channel stations. Light from the SW in the north of our Islands, and from the SE in the west of Norway. Moderate from SW over Ireland and the Baltic; variable over Germany, Austria, and Italy. No important change occurring later.

Barometer highest, 30.1 in: and upwards, in an anticyclone lying over Central Russia; 29.9 in: and upwards, in a narrow band of high pressure stretching from SW. to NE across Ireland and Scotland. Lowest 29.5 in: and less, in a depression lying over the Bay of Biscay and the west of France; 29.6 in: and less, in another system lying over Lapland. Former disturbance subsequently moving eastwards over France.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 15th March 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.		Amount of Rainfall.
		Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.	
SCANDINAVIA.																		
Haparanda ...		?	19	SW	1	b	30.31	+ .32	7	6	- 1	Z	0	b	*	28	3	-
Hernösand ...		30.31	23	Z	0	b	30.21	+ .01	16	16	+ 3	Z	0	b	*	41	3	-
Stockholm ...		30.22	28	E	2	b	29.91	- .41	31	30	+ 12	E	6	s	*	36	14	-
Wisby ...		30.05	36	E	4	u	29.72	- .47	33	32	+ 1	E	4	s	*	37	30	-
Bodö ...		30.02	37	S	2	o	30.03	+ .17	32	26	- 1	E	7	b	1	37	28	0.32
Christiansund ...		29.96	32	NE	2	b	29.89	- .12	31	29	- 4	SE	3	o	2	37	27	-
Skudesnaes ...		29.99	35	SE	4	o	29.78	- .32	35	30	+ 5	ESE	4	b	3	36	30	-
Christiania Fjord (Færd)		30.09	31	NE	4	o	29.86	- .33	38	26	+ 6	NNE	6	s	2	?	?	-
Skagen (The Seaw)		29.94	38	ESE	4	o	29.74	- .37	31	30	+ 2	ESE	4	o	3	36	28	-
Fanö ...		29.82	33	ENE	5	s	29.66	- .32	33	32	0	NE	2	o	*	39	32	0.16
Sumburgh Head		29.77	38	SSE	4	c	29.51	- .33	38	37	+ 1	SSE	5	o	6	39	34	0.01
Stornoway ...		29.62	41	SW	7	o	29.16	- .57	40	38	+ 1	SW	7	o	6	41	35	0.03
Wick ...		29.70	38	S	6	bc	29.36	- .48	38	36	+ 2	SSE	8	o	6	39	36	-
Nairn ...		29.70	36	W	1	b	29.31	- .54	36	34	+ 3	SW	1	c	1	45	32	-
Aberdeen ...		29.80	36	SSE	3	bc	29.45	- .49	38	34	+ 1	SSE	6	cq	5	41	34	-
Leith ...		29.79	39	W	1	b	29.36	- .56	34	32	+ 8	SE	3	o	*	42	25	-
Shields ...		29.82	35	E	1	r	29.47	- .44	35	33	0	SE	3	o	3	38	27	0.08
Spurn Head ...		29.87	39	NE	3	o	29.62	- .24	37	35	- 2	S	4	c	4	42	35	-
York ...		29.87	36	N	1	m	29.55	- .36	34	33	0	ESE	1	o	*	37	28	0.04
Loughborough		29.84	40	NN	1	r	29.63	- .26	32	31	- 3	S	3	cm	*	44	28	0.01
Ardrossan ...		29.77	40	SE	1	b	29.19	- .73	38	37	+ 6	ESE	7	cm	5	45	31	-
Malin Head ...		29.69	42	S	3	a	29.01	- .80	39	38	+ 4	SSW	5	or	3	44	35	0.15
Mullaghmore ...		29.73	45	SSW	4	c	29.10	- .74	40	37	+ 2	WSW	5	cb	4	47	37	0.44
Belmullet ...		29.72	44	SW	2	bc	29.06	- .76	40	39	- 1	W	5	bc	*	48	38	0.65
Donaghadee ...		29.79	39	SSW	2	b	29.17	- .74	43	43	+ 10	SSW	6	r	4	44	31	0.21
Liverpool (Bidston)		29.85	36	W	1	b	29.45	- .45	34	32	- 1	ESE	5	o	4	41	30	-
Holyhead ...		29.84	39	Z	0	bc	29.28	- .62	41	40	+ 4	S	7	rmg	6	42	37	0.11
Parsonstown ...		29.80	43	Z	0	c	29.73	- .68	36	35	+ 9	Z	0	c	*	50	26	0.43
Valencia ...		29.84	48	W	3	bc	29.31	- .60	44	42	+ 4	WNW	6	cqhp	6	38	39	0.19
Roche's Point...		29.84	46	W	2	b	29.35	- .68	41	39	+ 6	W	3	c	4	48	38	0.25
Pembroke (St. Ann's Hd.)		29.87	42	NW	2	c	29.41	- .50	45	44	+ 9	S	6	opg	6	45	36	0.12
Scilly ...		29.88	45	WSW	4	c	29.52	- .38	47	46	+ 5	SW	6	bu	4	48	40	0.02
Prawle Point...																		
Jersey (St. Aubin's)																		
Hurst Castle ...		29.83	39	NNE	2	m	29.67	- .14	41	40	+ 4	SW	5	bcp	2	42	33	0.02
Dungeness ...		29.76	41	N	2	o	29.73	- .01	37	36	- 2	WNW	3	m	1	44	36	0.10
London ...		29.80	42	NNW	1	cm	29.71	- .10	37	35	- 1	SSE	2	bc	*	44	32	-
Oxford ...		29.85	36	N	2	o	29.66	- .19	32	31	- 1	SE	2	osp	*	40	30	0.05
Cambridge ...		29.80	41	Z	0	o	29.67	- .18	37	36	- 1	S	1	b	*	48	34	-
Yarmouth ...		29.79	39	ENE	3	c	29.70	- .11	35	34	- 3	SSW	2	cm	2	42	33	-
GERMANY & HOLLAND.																		
Cuxhaven ...		29.77	36	ENE	3	bc	29.64	- .36	36	35	+ 2	W	2	bc	*	38	?	-
Berlin ...		29.67	41	E	3	o	29.60	- .20	38	38	- 1	W	4	o	*	43	37	-
Wiesbaden ...		*	*	*	*	*	29.76	+ .06	37	35	+ 3	Z	0	bc	*	50	32	-
Munich ...		29.63	37	Z	0	o	29.78	+ .15	37	36	+ 8	SW	3	c	*	41	28	0.04
The Helder ...		29.78	37	ENE	2	c	29.73	- .11	36	35	0	WSW	1	b	1	39	36	-
FRANCE AND BELGIUM.																		
Brussels (a.m.)		*	*	*	*	*	29.76	.00	36	36	+ 2	SW	2	m	*	46	33	0.01
Cape Gris Nez		29.74	38	N	3	o	29.72	+ .01	39	37	+ 1	W	4	f	2	45	36	0.08
Paris ...		29.71	50	NN	2	bc	29.85	+ .12	40	38	+ 6	WSW	2	o	*	57	34	-
Brest ...		29.98	45	N	3	c	29.82	+ .12	47	46	0	WNW	4	o	3	47	41	0.04
Lorient ...		29.92	45	NNW	5	c	29.84	+ .02	44	42	+ 1	WSW	2	b	3	48	39	-
Rochefort ...		29.80	46	NNW	5	f	29.95	+ .19	45	43	- 1	SW	3	o	?	48	34	-
Belfort ...		?	38	N	2	c	29.94	?	37	?	+ 1	N	1	bc	*	57	31	-
Lyons ...		29.69	48	N	2	b	29.89	+ .24	41	38	+ 4	NN	3	r	*	57	37	-
Nice ...		29.64	42	SW	2	o	29.80	+ .29	41	39	- 5	E	1	c	2	82	37	-
Perpignan ...		29.78	49	NNW	2	o	29.98	+ .30	46	41	+ 5	NN	4	b	*	54	41	-
Biarritz ...		29.93	49	NNW	5	r	30.01	+ .25	46	44	+ 1	WSW	7	r	3	52	41	0.39
PENINSULA.																		
Corunna ...		*	*	*	*	*	30.12	+ .07	50	48	+ 1	WSW	1	o	4	54	45	-
Lisbon ...		30.23	48	NNW	4	b	30.25	+ .11	47	44	0	SW	2	b	3	54	46	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Sunday, 15th March, 1891.

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:

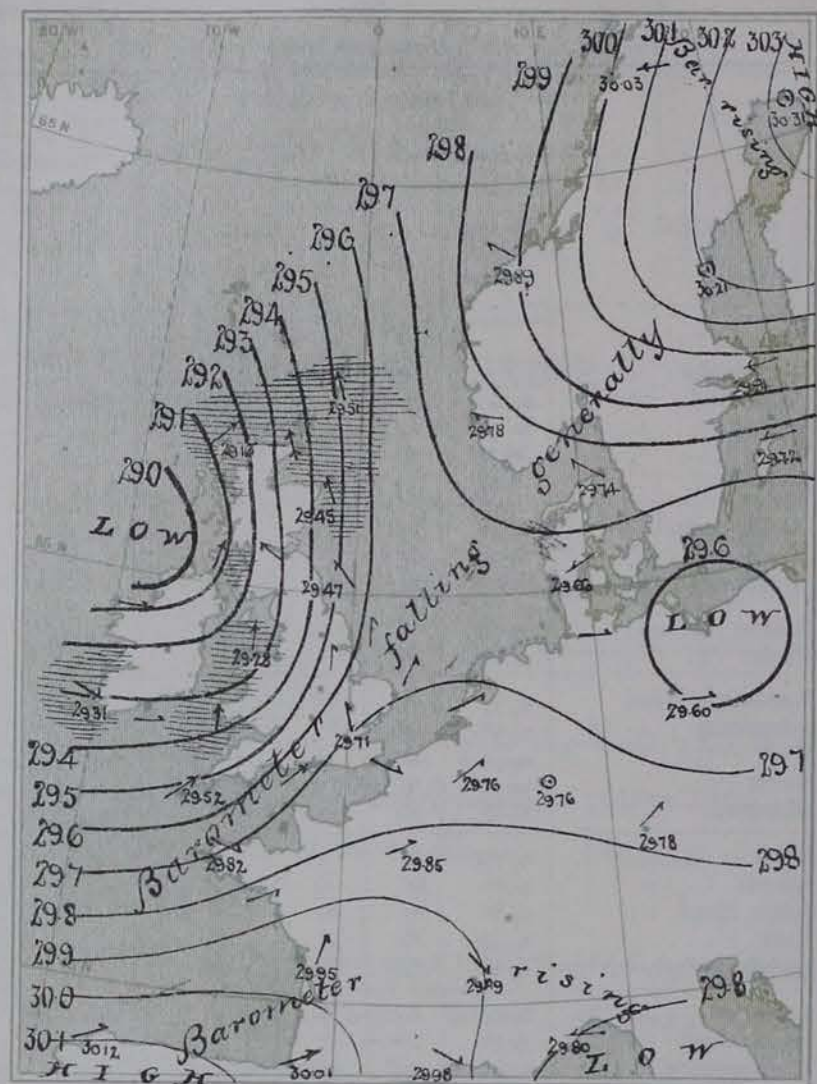
≡ = Rough. ≡ = High.

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
Ardsossan	29.965
Mullaghmore	29.974
Donaghadee	29.982
Holyhead	29.997
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	29.933
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.

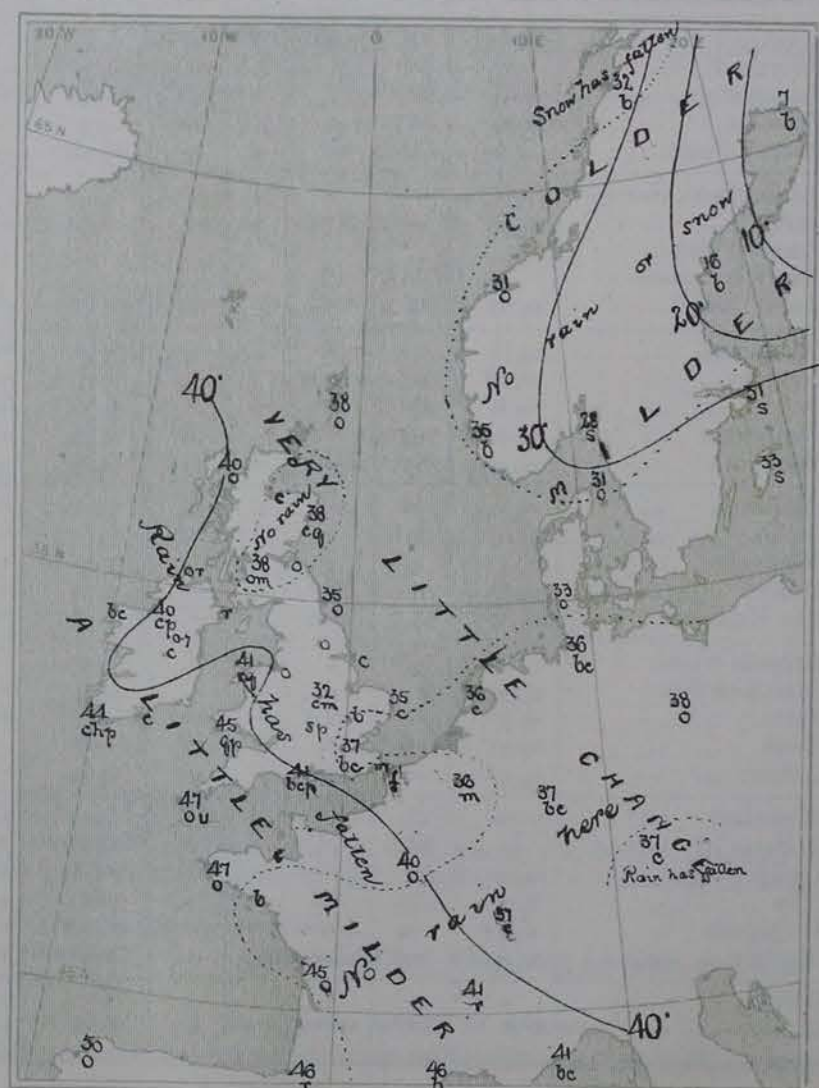
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	38.8	36.0	2.79
Stornoway	41.9	34.6	39.1	38.1	3.70
Wick	41.8	31.0	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	34.0	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.76
Spurn Head	43.7	36.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.73
Loughborough	48.5	31.2	39.0	37.3	1.84
Ardsossan	46.3	36.8	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.9	40.2	2.61
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	43.6	40.4	38.8	2.33
Valencia	51.1	40.2	44.2	42.8	4.26
Roche's Point	49.7	39.0	43.3	41.6	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Scilly	49.5	42.5	45.0	44.2	2.46
Prawle Point	48.1	37.7	42.8	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	1.84
Dover	46.4	36.8	40.7	39.2	1.82
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	31.0	38.9	37.4	1.59
Cambridge	50.2	33.6	38.9	37.5	1.40
Yarmouth	45.2	34.8	40.2	38.6	1.83

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, (1) 30.3 ins. to 29.8 ins. over Scandinavia; (2) 30.2 ins. and more, to 29.9 ins. over Spain and the west of France.
Lowest, 29.0 ins. and less, in a depression off our northwestern coast; 29.6 ins. and less, in another over North Germany; 29.8 ins. and less near
Gradients somewhat steep and increasing over our islands especially in the north.
Barometer falling fast over our islands generally — rapidly in the northwest.

TEMPERATURE

Highest, 50° at Fowanna, 47° at Larn, Brest, and Bally, 46° at Limerick, 44° at Valencia, 40° at Belmullet and Donegal.
Lowest, 7° at Chaparranda, 16° at Hunsford, 31° at Stockholm and Christianaund, and 32° to 37° over the inland parts of England.
 A decided frost has occurred on the grass in London during the night.

WIND

Strong to a gale from SSE over the western and northern parts of Scotland, and SE to E in the coast of Norway.
 Strong and squally from S over St. George's Channel and the Irish Sea. Fresh from W. to SW. over Ireland.
 Mainly W over the Bay of Biscay, very light and variable over France.

WEATHER

Fine in the north of Sweden and also over the Spanish Peninsula, very changeable and unsettled elsewhere — squally in the north and west, with rain or hail showers in places. There was a very red sky at sunrise in London.
 A considerable fall of rain has occurred in the north-west of Ireland, very little elsewhere.

SEA

Slight on our east and southeast coasts, rough as a whole elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 16th March 1891.

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

FORECASTS.

none issued

WARNINGS

The SOUTH CONE was hoisted yesterday in districts 6 and 9, and signals have been extended to all other coasts 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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.97	33	28	ESE	4	o	3	Holyhead ...	29.88	40	36	Z	o	z	o
Sumburgh Head ...	29.83	38	35	SSE	4	c	5	Valencia ...	29.88	49	46	W	4	o	4
Stornoway ...	29.69	40	38	SW	7	o	6	Scilly ...	29.90	47	44	WNW	3	c	4
Aberdeen ...	29.86	41	35	SSE	3	bc	3	Jersey ...							
Shields ...	29.86	37	36	SE	2	r	3	Dungeness ...	29.75	42	41	ENE	4	c	3
Ardrossan ...	29.84	44	39	SW	1	bc	1	London ...	29.80	44	41	Z	o	odmg	x
Malin Head ...	29.77	43	40	S	4	c	2	Yarmouth ...	29.80	42	40	ENE	3	bc	4
Mullaghmore ...	29.78	46	41	SSW	4	c	2	Rochefort ...	29.78	46	45	NN	4	m	?
Belmullet ...	29.79	48	44	WSW	2	o	*								

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

Weather varying greatly in different localities, but cloudy in most countries, with fog in many parts of Eastern Europe, rain in the south of France and north of Italy, and hail or sleet at some of the English stations. Heavy rain falling in over many parts of Ireland at night, and smaller amounts at some of the German stations; thunderstorm reported at Algiers.

Temperatures highest 53° at Brindisi and Malta, 57° at Messina, 55° at Cagliari, and 54° at Rome and Genoa, above 50° at nearly all the Mediterranean stations. Lowest 8° at Haparanda, 13° at Uleaborg and Heriö, and 14° at Kuopio, and 17° at Hango, below the freezing point in most parts of Northern Europe, as well as over central Ireland and the south of Scotland. Daily maxima below 40° at some of our northern and northeastern stations, but thermometer reaching 50° in the south of Ireland, exceeding 55° in many parts of France, and exceeding 60° in Algeria and the south of Italy.

Wind light to fresh from the SW or SWS in the extreme west and northwest of our Islands, and from the SE in the west of Norway. Light or moderate from the E over Denmark, the Baltic and Central Europe, from the NE in the south of our Islands, from the NW or NWS in France and Spain from the SWS in Algeria, and from the S in Italy. Light and variable over Sweden and Russia. S^W wind subsequently blowing strongly in the north of Scotland.

Barometer highest 30.1 in. to 30.3 in. and upwards, in an anticyclone lying over Russia and Scandinavia, 30.1 in. and upwards in another system lying to the southward of the Spanish Peninsula. Lowest 29.6 in. and less, in a large depression lying over Switzerland, the south of France and the north of Italy; 29.8 in. and less in another disturbance lying to the northward of our Islands. Depression over Southern Europe subsequently moving slowly northwards; system to northward of our Islands becoming more strongly marked.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Monday, 16th March,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM. Reading at 32° F. and Sea Level.	TEMP. Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.			
			Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.74	6	Z	0	O	29.89	-1.42	7.2	21	+15	NE	4	O	*	22	3	-
	Hernösand ...	29.89	20	NE	6	O	29.72	-1.49	28	28	+12	NNE	2	S	*	36	9	0.32
	Stockholm ...	29.62	33	E	2	O	29.66	-1.25	33	32	+2	W	2	S	*	34	25	0.16
	Wisby ...	29.52	33	ESE	4	bc	29.75	+0.3	33	32	0	WNW	6	c	*	37	30	0.16
	Bodö ...	30.05	32	E	4	bc	29.92	-1.1	?	24	?	ESE	4	?	1	34	27	-
	Christiansund	29.78	34	SE	2	bc	29.76	-1.3	34	32	+3	SSW	2	c	2	36	30	-
	Skudesnaes ...	29.71	35	Z	0	*	29.80	+0.2	35	32	0	E	1	c	2	39	30	-
	Christiania Fjord (Færd)	29.70	32	NNE	5	O	29.76	-1.0	31	29	+3	WNW	2	O	1	32	29	-
	Skagen (The Scaw)	29.67	32	E	3	O	29.78	+0.4	32	29	+1	Z	0	O	0	32	30	0.04
	Fanö ...	29.70	34	WSW	2	c	29.72	-1.1	34	33	+1	ESE	3	b	*	37	32	-
	Sumburgh Head	29.57	38	SE	5	O	29.81	+1.30	39	36	+1	ESE	1	c	4	41	35	0.04
	Stornoway ...	29.20	41	E	7	c	29.74	+1.58	40	38	0	E	7	c	6	42	36	-
	Wick ...	29.42	40	SE	8	c	29.76	+1.40	39	38	+1	E	7	O	6	42	36	-
	Nairn ...	29.27	40	E	2	c	29.66	+1.35	38	36	+2	ESE	4	c	3	41	35	-
	Aberdeen ...	29.37	39	SE	8	c	29.66	+1.21	39	36	+1	ESE	7	cqu	7	42	38	-
	Leith ...	29.20	41	E	4	T	29.44	+1.08	40	39	+6	E	6	org	*	41	33	0.24
	Shields ...	29.24	39	ESE	7	T	29.34	-1.13	39	38	+4	SE	4	r	6	40	31	1.12
	Spurn Head ...	29.28	41	SE	7	T	29.32	-1.30	38	37	+1	S	2	om	4	42	35	0.21
	York ...	29.24	41	SE	3	T	29.37	-1.18	38	37	+4	E	1	O	*	43	31	0.16
	Loughborough	29.23	40	SW	2	T	29.32	-1.31	38	38	+6	ESE	1	O	*	42	32	0.21
	Ardrossan ...	29.10	39	E	2	O	29.38	+1.19	40	39	+2	NE	4	r	2	40	34	0.30
	Malin Head ...	28.93	42	SE	5	og	29.36	+1.35	38	38	-1	ESE	6	ogr	4	45	36	0.13
	Mullaghmore ...	28.88	41	WSW	5	op	29.34	+1.24	40	38	0	NE	6	op	5	44	38	0.14
	Belmullet ...	28.89	40	WNW	7	T	29.36	+1.30	39	37	-1	ESE	2	O	*	46	37	0.45
	Donaghadee ...	29.05	43	SSW	4	c	29.33	+1.16	40	39	-3	E	3	c	2	45	38	0.39
	Liverpool (Bidston)	29.17	39	SE	2	O	29.28	-1.17	37	36	+3	E	3	O	3	43	34	0.01
	Holyhead ...	29.10	44	SSW	5	cq	29.26	-1.02	39	39	-2	Z	0	cm	0	46	36	0.45
	Parsonstown ...	29.06	43	SW	1	bc	29.26	+1.03	33	33	-3	Z	0	b	*	46	32	0.16
	Valencia ...	29.21	41	WSW	5	c	29.07	-1.24	41	40	-3	NE	6	O	6	48	36	0.56
	Roche's Point...	29.18	42	WNW	5	r	29.14	-1.21	45	42	+4	ESE	5	O	4	46	37	0.40
	Pembroke (St. Ann's Hd.)	29.17	43	W	5	c	29.20	-1.16	42	40	-3	SSE	4	bc	4	46	38	0.19
	Scilly ...	29.30	44	W	7	cq	29.12	-1.40	43	41	-2	S	4	c	6	47	41	0.18
	Prawle Point...																	
	Jersey (St. Aubin's)	29.41	42	SSW	4	O	29.32	-1.16	42	40	-2	S	4	bcm	4	47	39	0.31
	Hurst Castle ...	29.31	36	WSW	4	T	29.31	-1.36	41	41	0	SSW	4	cp	3	44	36	0.33
	Dungeness ...	29.43	43	SW	6	T	29.36	-1.37	41	39	+4	SW	4	O	3	45	35	0.24
	London ...	29.30	43	SSE	5	Tq	29.35	-1.36	42	40	+5	SSW	2	op	*	45	37	0.25
	Oxford ...	29.27	36	S	3	O	29.33	-1.33	38	37	+6	SSE	1	O	*	42	32	0.18
	Cambridge ...	29.37	42	S	3	T	29.35	-1.32	41	41	+4	SSE	1	c	*	45	35	0.24
	Yarmouth ...	29.45	40	S	5	cq	29.39	-1.31	38	38	+3	SW	2	O	3	41	34	0.27
	Cuxhaven ...	29.70	36	WSW	1	c	29.72	-1.02	35	34	-1	SE	2	m	*	38	34	-
	Berlin ...	29.80	40	W	2	O	29.84	+1.24	36	35	-2	SE	3	c	*	43	34	-
	Wiesbaden ...	*	*	*	*	*	29.74	-1.02	35	33	-2	SW	1	bc	*	48	32	0.08
	Munich ...	29.82	39	SE	2	b	29.78	-1.00	36	35	-1	SW	2	b	*	48	32	-
	The Helder ...	29.60	38	SE	1	bc	29.51	-1.22	39	38	+3	SE	2	O	3	43	36	-
	Brussels (9 a.m.)	*	*	*	*	*	29.48	-1.28	42	40	+6	?	6	r	*	45	36	-
	Cape Gris Nez	29.46	44	S	5	T	29.37	-1.35	39	38	0	SW	3	O	3	46	36	0.16
	Paris ...	29.64	47	S	3	O	29.48	-1.37	39	38	-1	SSW	2	T	*	51	39	0.28
	Brest ...	29.69	45	NW	4	O	29.32	-1.50	43	39	-4	S	3	O	5	50	37	0.51
	Lorient ...	29.47	41	NW	2	T	29.33	-1.51	41	39	-3	SSW	3	c	5	48	39	0.85
	Rochefort ...	29.71	49	SW	5	T	29.46	-1.49	44	43	-1	SW	4	T	*	55	36	0.35
	Belfort ...	?	38	WNW	3	bc	?	?	38	?	+1	N	3	b	*	53	37	-
	Lyons ...	29.93	40	SE	1	b	29.71	-1.18	42	39	+1	SSW	3	O	*	52	33	0.04
	Nice ...	29.86	47	SE	2	b	29.89	+0.9	40	39	-1	E	2	b	1	55	39	-
	Perpignan ...	29.89	49	E	1	b	29.68	-1.30	40	39	-6	Z	0	O	*	57	35	-
	Biarritz ...	29.89	52	W	3	O	29.58	-1.43	48	46	+2	WNW	6	T	4	52	45	0.04
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.18	?	WSW	3	bc	29.93	-1.32	50	46	+3	WSW	5	O	3	57	47	0.01

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 16th March, 1891.

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.

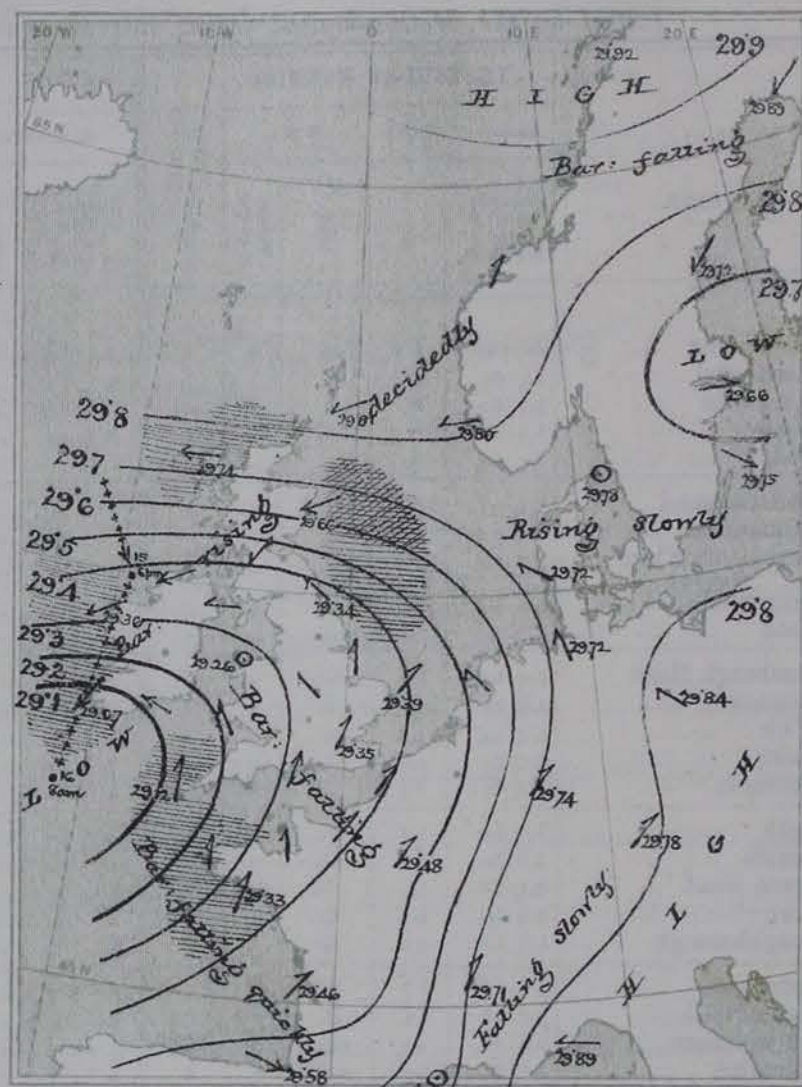
SEA DISTURBANCE—Where considerable, is shown thus:

≡ = 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
Leith	29.853
Shields	29.880
Sourth Head	29.806
York	29.808
Loughborough	29.832
Ardrossan	29.843
Mullaghmore	29.874
Dunghaden	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	29.955
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.

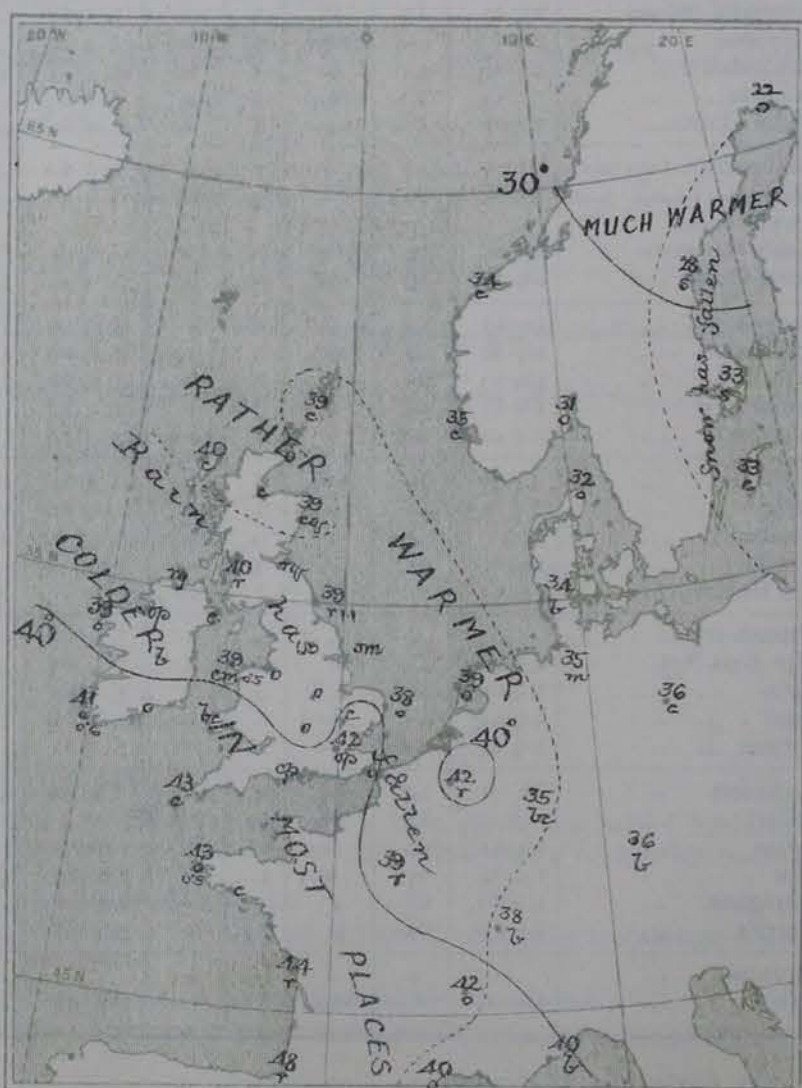
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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.	At 8 a.m. Wet.	
Samburgh 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	1.08
Aberdeen	45.4	34.4	38.5	36.5	2.53
Leith	47.0	34.0	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Sourth 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	47.9	38.4	41.9	40.2	2.61
Dunghaden	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	3.72
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	1.84
Dover	46.4	36.9	40.7	39.2	1.82
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.0	38.8	37.4	1.59
Cambridge	50.2	33.0	38.9	37.5	1.40
Yarmouth	45.2	31.9	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.8 ins. and more, in the Shetland Isles and over Germany, Switzerland and the north of Italy.
 Lowest, 29.1 ins. and less, in a depression off the south of Ireland.
 Gradients are irregular but still rather steep in Scotland.
 Barometer rising in the north and northeast, falling in southwest and over Bay of Biscay.

TEMPERATURE

Highest, 50° at Farnborough, 48° at Biarritz, 43° at Brest and Seilly, 42° in London.
 Lowest, 22° at Haparanda, 28° at Helsingfors, 32° at the Cape, 38° to 39° on our northeast and northwest coasts.
 The maximum temperature in London yesterday was only 45°.

WIND

Blowing a gale from E. in Scotland, strong from NE in Ireland; moderate to fresh from the S. over England and SW to W over the Bay of Biscay. The SW gale in the Channel has died down quickly, and the E. gale in the north has decreased.

WEATHER

Very unsettled generally, cloudy or overcast in most places, squally and threatening in the north, rainy over France.
 Rainfall yesterday was heaviest (1.1 ins.) at Shields. In London the total fall was 0.25 in.

SEA

Very rough in the north and northeast, rough in the southwest, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very unsettled weather is still probable.

FORECASTS

For the 24 hours ending at NOON on 17th March 1891.

DISTRICTS.		FORECASTS.	
† 0	SCOTLAND NORTH	† 6	{ SCOTLAND WEST E ² to NE ² winds; colder, some rain
† 1	SCOTLAND EAST		
† 2	ENGLAND N.E.	† 7	{ ENGLAND N.W.
3	ENGLAND EAST	8	{ ENGLAND S.W.
4	MIDLAND COUNTIES	† 9	{ IRELAND NORTH
5	ENGLAND SOUTH	† 10	{ IRELAND SOUTH
		WARNINGS	
		The CONE is lowered this morning in districts 3, 5, and 8, but is still up elsewhere.	

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		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.73	39	35	2	4	0	3		Holyhead ...	29.16	44	41	SW	6	
Sumburgh Head									Valencia ...						
Stornoway ...	29.14	42	40	S	8	0	6		Scilly ...						
Aberdeen ...									Jersey ...						
Shields ...									Dungeness ...	29.54	44	41	SW	5	3
Ardrossan ...									London ...						*
Malin Head ...	28.99	44	40	S	3	C	2		Yarmouth ...						
Mullaghmore ...									Rochefort ...	29.93	51	47	SW	4	2
Belmullet ...	28.90	46	42	NW	8	0	*								

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

Weather varying greatly in different localities but mostly dull and unsettled with fog over the S. of Russia, rain on the west coasts of our Islands, as well as over the Baltic Provinces and some parts of France, snow in Denmark and the south of Sweden, and a thunderstorm at Rome. Fine in the southeast of England, as well as over the northern parts of Scandinavia and Russia, and the southern parts of France Spain and Italy. Rain falling later over nearly the whole of western Europe, the largest amounts being 1.1 ins. at Shields, 0.6 in. at Valencia Island and 0.5 in. at Belmullet, Holyhead and Brest.

Temperature highest 59° at Brindisi, 56° at Malta, and 55° at Genoa and Palermo, above 50° at nearly all the Mediterranean stations. Lowest 7° at Haparanda and Kuopio, 10° at Archangel, 12° at Uleaborg, and 16° at Hernösand; as low as 32° in some of the central parts of England, France and Spain. Daily maxima below 45° over a considerable portion of the United Kingdom but thermometer rising to between 50° & 55° at most of the French stations.

Wind (1) W. in the west and south of Ireland, SW. over the Channel, France and the north of Spain, S. over England and SE. in Scotland and the west of Norway, strong in force on the western and northern coasts of our Islands, with a gale at Wick; (2) SW. over the central and southern parts of Germany, SE. over the west and south of Russia, E. over the Gulf of Finland and the south of Sweden and NE. in Zealand (3) SW. or S. in Italy and NW. or N. in the south of France. Subsequently increasing to a gale from varying directions on many parts of our coasts.

Barometer highest 30.5 ins. and upwards in an anticyclone lying over Russia. 30.2 ins. and upwards in another system lying over the southwest of Spain. Lowest 29.0 ins. and less in a depression lying off the north of Ireland, 29.6 ins. and less in another disturbance lying over North Germany, 29.8 ins. and less in a third lying off the south of France. Depression off our northwest coasts remaining almost stationary throughout day.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD
FROM THE 8TH TO 14TH MARCH 1891.

Summary will appear in tomorrow's Report.

EXPLANATION OF 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Tuesday 17th March. 1891.

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

STATIONS.	YESTERDAY EVENING.					P. A. M. TO DAY.										PAST 24 HOURS.		
	Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Weather.	Sea.	Shade Temp.			
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.75	26	2	0	0	29.80	-0.09	25	24	+3	2	0	bc	*	32	3	0.00
	Hernösand ...	29.84	28	2	0	0	29.89	+0.17	27	27	-1	2	0	c	*	32	27	0.35
	Stockholm ...	29.96	33	SW	2	0	30.01	+0.35	33	30	0	WSW	2	c	*	36	32	0.04
	Wisby ...	29.94	34	S	4	bc	30.01	+0.26	35	34	+2	SE	2	0	*	39	30	—
	Bodö ...	29.84	28	E	1	bc	29.89	-0.09	27	24	?	ENE	2	S	1	32	21	—
	Christiansund	29.92	30	N	2	bc	30.04	+0.24	33	32	-1	S	1	c	2	36	27	—
	Skudesnaes ...	29.90	36	N	0	0	30.02	+0.22	33	31	-2	E	1	bc	2	43	28	—
	Christiania Fjord (Fæder)	29.81	34	SW	2	bc	30.04	+0.24	27	27	-4	N	2	c	1	36	27	—
	Skagen (The Seaw)	29.92	34	S	1	c	30.02	+0.24	33	32	+1	SE	1	bc	1	36	32	—
	Fanö ...	29.81	37	E	4	c	29.88	+0.16	35	34	+1	ENE	4	bc	*	45	34	—
BRITISH ISLANDS.	Sumburgh Head	29.87	38	NE	3	bc	30.02	+0.21	40	36	+1	NE	3	bc	4	44	35	0.02
	Stornoway ...	29.87	42	NE	6	bc	29.99	+0.25	41	40	+1	E	6	bc	4	44	35	0.02
	Wick ...	29.87	39	E	4	bc	30.00	+0.24	41	39	+2	E	3	bc	4	42	36	—
	Nairn ...	29.81	40	ENE	3	c	29.93	+0.27	40	38	+2	E	4	of	4	41	35	—
	Aberdeen ...	29.80	39	ENE	7	cq	29.93	+0.27	38	37	-1	ENE	7	of	7	42	37	0.09
	Leith ...	29.66	38	E	5	P	29.79	+0.35	40	39	0	ENE	5	of	*	40	36	1.61
	Shields ...	29.53	39	ENE	3	P	29.69	+0.35	40	39	+1	N	2	P	4	40	35	0.28
	Spurn Head ...	29.52	40	ENE	3	bc	29.64	+0.32	41	40	+3	NE	3	om	3	43	36	—
	York ...	29.53	42	E	1	0	29.69	+0.32	41	40	+3	NNE	1	0	*	44	35	—
	Loughborough	29.47	43	E	1	0	29.64	+0.32	36	35	-2	NNE	3	om	*	47	31	—
GERMANY & HOLLAND.	Ardrossan ...	29.60	39	NE	7	PM	29.75	+0.37	39	37	-1	NE	4	bc	3	40	35	0.18
	Malin Head ...	29.61	39	ENE	6	of	29.74	+0.38	39	38	+1	ENE	5	og	3	41	38	0.18
	Mullaghmore ...	29.57	41	NE	7	og	29.73	+0.39	40	38	0	ENE	6	c	5	42	38	0.02
	Belmullet ...	29.57	41	NE	5	P	29.72	+0.36	41	39	+2	ENE	6	og	*	45	39	0.36
	Donaghadee ...	29.53	42	E	7	c	29.73	+0.40	40	40	0	NE	5	bc	3	42	38	0.04
	Liverpool (Bidston)	29.46	42	ENE	3	0	29.66	+0.38	37	36	0	ENE	3	0	3	46	37	—
	Holyhead ...	29.43	42	ENE	3	bc	29.65	+0.39	37	36	0	E	4	cw	4	46	38	—
	Parsonstown ...	29.46	45	2	0	c	29.64	+0.38	37	38	+6	2	0	0	*	45	32	0.03
	Valencia ...	29.39	45	NE	6	cm	29.58	+0.51	41	40	0	NE	6	cm	6	48	39	0.04
	Roche's Point...	29.38	43	E	4	c	29.49	+0.35	42	40	-3	NE	5	om	4	48	38	0.06
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.36	42	E	4	bc	29.51	+0.31	39	38	-3	ENE	4	cq	3	47	37	—
	Scilly ...	29.17	45	ENE	6	0	29.25	+0.13	44	44	+1	ENE	7	P	7	46	41	0.25
	Prawle Point...	29.33	45	ENE	3	bc	29.44	+0.12	43	41	+1	ENE	4	bc	3	48	40	0.02
	Jersey (St. Aubin's)	29.40	42	ENE	3	bc	29.51	+0.20	40	40	-1	ENE	4	om	3	45	39	0.01
	Hurst Castle ...	29.46	42	E	3	c	29.51	+0.15	41	41	0	E	3	of	1	47	39	0.09
	Dungeness ...	29.47	42	ENE	2	bc	29.56	+0.21	41	40	-1	NE	1	of	*	47	38	0.01
	London ...	29.49	39	SE	3	c	29.59	+0.26	35	35	-3	NE	2	of	*	46	35	—
	Oxford ...	29.49	40	SE	1	bc	29.59	+0.24	40	39	-1	NE	1	P	*	45	36	—
	Cambridge ...	29.50	40	S	3	bc	29.62	+0.23	40	39	+2	ENE	4	c d	3	42	36	0.01
	Yarmouth ...	29.52	40	S	3	bc	29.62	+0.23	40	39	+2	ENE	4	c d	3	42	36	0.01
PENINSULA.	Cuxhaven ...	29.74	39	E	3	bc	29.80	+0.08	39	38	+4	E	3	bc	*	45	35	—
	Berlin ...	29.79	48	SE	2	bc	29.84	0.00	38	38	+2	NE	3	bc	*	53	36	—
	Wiesbaden ...	*	*	*	*	*	29.69	-0.05	45	41	+10	2	0	bc	*	52	?	—
	Munich ...	29.73	40	SE	3	bc	29.78	-0.05	37	34	+1	SE	4	bc	*	52	32	—
	The Helder ...	29.62	44	SE	1	P	29.71	+0.20	42	40	+3	E	1	c	2	46	39	0.04
	Brussels (9 a.m.)	*	*	*	*	*	29.50	+0.13	40	39	+1	E	1	P	2	48	36	0.12
	Cape Gris Nez	29.46	43	S	2	bc	29.54	+0.06	42	42	+3	E	1	0	*	46	?	0.32
	Paris ...	29.51	45	S	2	0	29.59	+0.08	42	42	+3	SE	4	P	7	46	39	0.67
	Brest ...	29.19	46	SW	5	0	29.23	-0.09	46	45	+3	SE	3	P	6	48	41	0.16
	Lorient ...	29.26	44	SE	4	c	29.30	-0.03	44	43	+3	SE	3	P	6	48	41	0.16
FRANCE AND BELGIUM.	Rochefort ...	29.42	46	SW	5	0	29.43	-0.03	41	40	-3	SE	5	bc	*	50	32	0.20
	Belfort ...	?	38	N	3	0	?	?	38	?	0	N	3	0	*	53	34	—
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Nice ...	29.51	54	WSW	4	0	29.50	-0.18	43	42	+3	SE	1	bc	*	62	41	—
	Perpignan ...	29.55	46	2	0	P	29.43	-0.15	47	43	-1	0	3	bc	7	50	39	0.28
PENINSULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.74	50	WSW	5	P	29.65	-0.28	47	45	-3	W	5	P	3	53	46	0.24

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Tuesday, 17th March, 1891.

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:

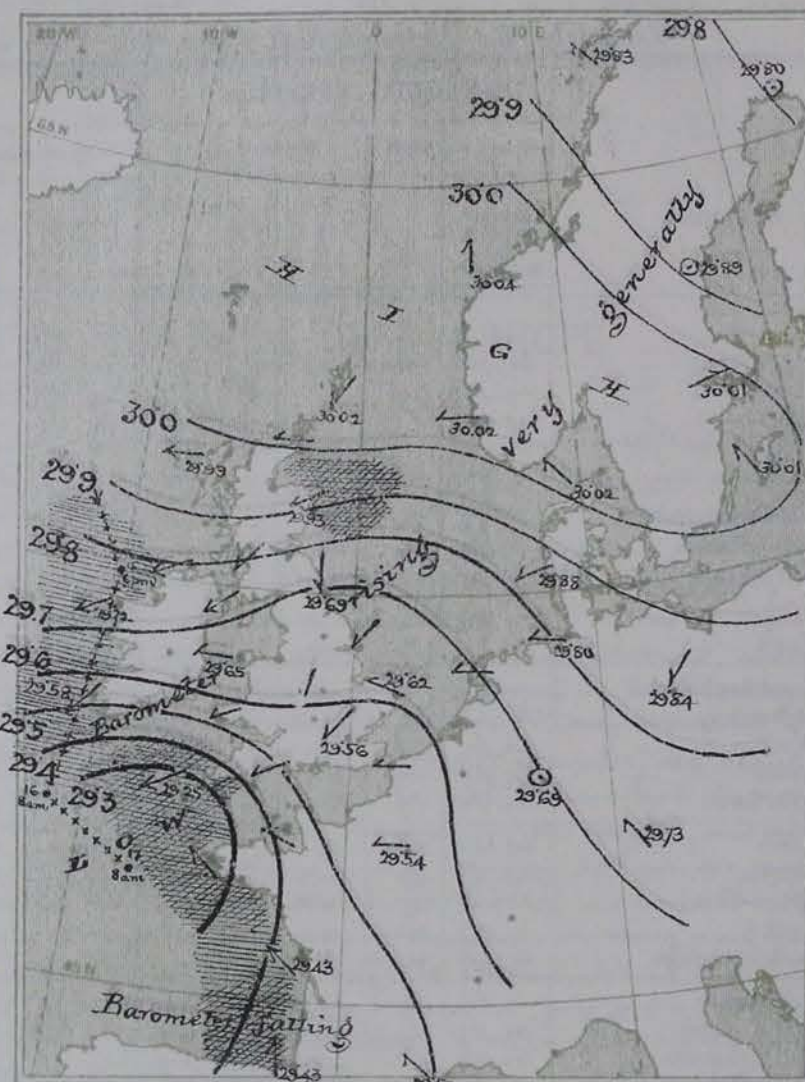
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of March

During the 29 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.731
Stornoway	29.778
Wick	29.793
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Sourth Head	29.898
York	29.908
Loughborough	29.942
Ardrossan	29.805
Mullaghmore	29.874
Dunaghaden	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	29.905
Jersey	29.901
Hurst Castle	29.934
Dover	29.933
LONDON	29.930
Oxford	29.931
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.

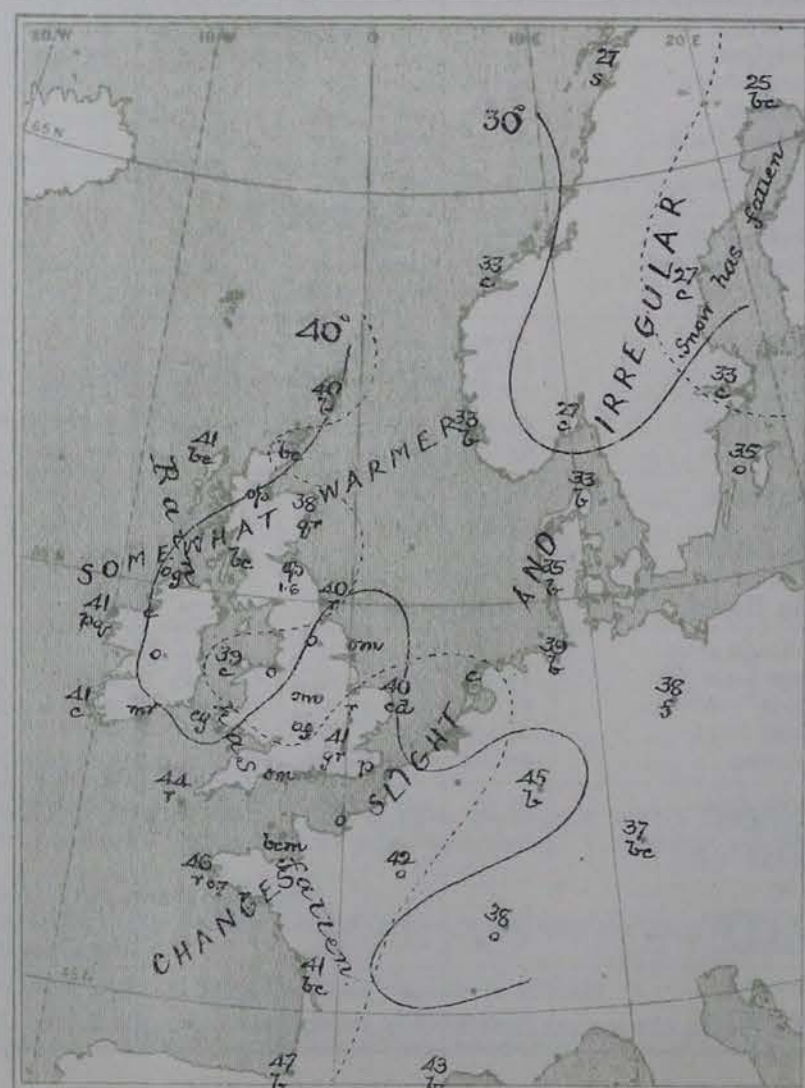
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	30.9	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	45.5	33.9	38.0	36.2	1.68
Aberdeen	45.4	34.4	38.5	36.5	2.38
Leith	47.9	34.0	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Sourth Head	44.7	30.6	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	30.3	40.1	38.5	2.41
Mullaghmore	47.0	38.4	41.8	40.2	2.61
Dunaghaden	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	49.3	39.0	40.4	38.8	2.33
Valencia	51.1	40.2	44.0	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	46.5	39.1	42.1	40.3	2.40
Silly	49.5	42.5	44.0	44.2	2.40
Prawle Point	48.1	37.7	42.8	41.2	1.85
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
Dover	46.4	36.9	40.7	39.2	1.82
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	34.0	38.9	37.4	1.59
Cambridge	50.2	33.0	38.0	37.5	1.40
Yarmouth	45.2	34.0	40.2	38.6	1.82

NOTE.—The Temperature means are for the 29 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards in a large area extending from the S. of Scandinavia to the extreme N. of Britain.
Lowest 29.3 ins. and less in a depression lying over the mouth of the Channel and the northern part of the Bay of Biscay.
Gradients very irregular but moderate on the whole. Barometer rising at all but the S.^{W.} French stations.

TEMPERATURE

Highest 47° at Biarritz and Lisbon, 46° at Brest, 45° at Wiesbaden, and 44° at Scilly and Lorient.
Lowest 25° at Haparanda, 27° at Hernand and Faerher, 33° at Stockholm and Skagen, 35° at Wisby and Faro.
The maxima registered over our Islands yesterday were higher than those of Sunday, the thermometer rising above 45° in many parts of England and Ireland.

WIND

E² or NE² over the whole of our Islands and the North Sea; strong in force on many parts of our southwestern and northern coasts.
Moderate to fresh from the SE^W in the west of France.
Variable over Scandinavia, Germany and the eastern and central parts of France.

WEATHER

Cloudy or overcast over the greater part of the United Kingdom and the north of France, with rain or passing showers in many places.
Fine in the north of Scotland and also in Denmark, Germany and the south of France.
Rain fell yesterday in many parts of western Europe; at Leith the amount was as much as 1.6 ins.

SEA

High at the mouth of the Channel and also at Aberdeen and Biarritz and rough at Valencia Island, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression near the mouth of the Channel seems to be filling up, but the distribution of pressure over our Islands is very irregular, so that the weather will probably remain unsettled, with rain in many places.

FORECASTS

For the 24 hours ending at NOON on 18th March 1891.

DISTRICTS.

FORECASTS.

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

E² winds, moderate; fair generally.
E² winds, strong to moderate; cloudy, some showers.
Same as No. 5.
E² and NE² winds, light or moderate; cloudy, occasional rain.

DISTRICTS.

FORECASTS.

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

E² and NE² winds, moderate; fair generally, but local showers.
NE² winds, strong; cloudy, some rain.
NE² winds, moderate or fresh; 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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.84	42	35	SSE	1	b	2	Holyhead ...	29.37	45	43	NE	2	b	2
Sumburgh Head ...	29.87	43	38	NE	3	b	4	Valencia ...	29.31	47	43	NE	6	bcm	6
Stornoway ...	29.84	44	40	E	7	bc	6	Scilly ...	29.14	43	42	ESE	6	m	6
Aberdeen ...	29.75	38	36	ENE	7	opcu	7	Jersey ...	29.33	47	44	SE	3	bcp	3
Shields ...	29.46	40	39	ESE	4	o	5	Dungeness ...	29.44	46	43	SW	4	bc	3
Ardrossan ...	29.53	39	38	NE	7	rm	5	London ...	29.41	45	42	SE	3	c	*
Malin Head ...	29.48	39	38	ENE	7	or	4	Yarmouth ...	29.46	42	41	S	4	c	4
Mullaghmore ...	29.46	41	40	ENE	7	or	6	Rocheport ...	29.44	50	47	SSW	5	o	?
Belmullet ...	29.47	42	41	NE	7	ou	*								

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

Weather very unsettled over all but the southern and eastern parts of Europe, sky overcast or cloudy, almost everywhere, rain falling in many parts of the British Isles and over France, snow over Ireland and Eastern. Much fog prevalent over southeastern Europe and in Poland. Very heavy rain at Leth during day, and smaller quantities on our northern and western coasts generally; heavy fall at Leth and considerable quantity at several other French stations.

Temperature risen decidedly over Ireland, changed little and irregularly elsewhere. Morning readings touching 50° at a few of the Mediterranean stations, 59° at Constantinople, 58° at Brindisi, 55° at Malta, 51° at Oran, exceeding 40° over Spain, France, Italy, and the southern parts of our Islands, lower elsewhere. Lowest 3° F at Archangel, 22° at Haparanda, 28° at Uleaborg, Kuopio and Ikonosand, above 30° elsewhere. Exceeding 50° over the southern part of France and in Germany during day, but remaining below that value in our Islands.

Wind very variable and light over eastern and southern Europe, variable and moderate to a gale in the west and north. Two cyclonic circulations — one round a depression off the south of Ireland, the other round a shallower one over the Gulf of Bothnia near Stockholm. The NE wind in the far north and west blowing strongly in some places — a gale over Scotland, and a strong squally breeze over Ireland. The SW to W wind in France blowing fresh.

Barometer highest 30.4 ins. to 30.0 ins. over Russia, 30.0 ins. and more over Algeria, 29.9 ins. and more over Lapland, and a good deal of north Germany. Lowest 29.1 ins. and less, in a depression off the south of Ireland, 29.7 ins. and less, in another over the Gulf of Bothnia. Depression in south of Ireland moving southeastwards towards Brittany later, and barometer rising all over the United Kingdom.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 8th TO THE 14th March.

The weather of this week has been of a most unsettled character, especially over the southern part of the Kingdom, where very strong E and NE gales have been experienced accompanied by exceptionally heavy snow for the time of year. These conditions were brought about by a series of depressions which reached the southern parts of our Islands and north of France from the Atlantic.

The first of these depressions arrived at the mouth of the English Channel on the afternoon of the 9th, and travelling quickly reached Belgium by the following morning, and Germany by the evening. It was this system which caused the breakdown in telegraphic communication over our southern and southern coasts.

The second day near West at 8 am on the 10th reached Belgium on the 11th and the Sound on the 12th. Its gales were apparently less severe, but the snow which it brought was in many places heavier than that of the previous disturbance.

The third arrived off the coast of Brittany on the 12th, but instead of advancing up the English Channel, moved closely to the south-eastward and passed across the south-west of France on the night of the 13-14th causing much rain in those regions.

In the more northern parts of the Kingdom the downfall (snow &c) has been much smaller (except in the Hebrides) but the cold has been greater. In many districts there have been local extremes of cold of great intensity — e.g. at Stornoway, Barrow, and York on the 11th. Heavy local falls of snow have also been prevalent — Yorkshire and the Shetland Islands having been the chief sufferers.

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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Wednesday, 18th March, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

PUBLISHED BY THE METEOROLOGICAL OFFICE, 55, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SEADR. TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	29.53	24	SW	4	0	29.13	-62	33	30	+8	nnw	4	bc	*	34	16	0.04	
Hernösand ...	29.56	25	Z	0	6	29.50	-89	35	31	+8	SW	4	c	*	46	25	-	
Stockholm ...	30.02	30	SW	2	6	29.77	-24	28	25	-5	SW	2	c	*	37	28	-	
Wisby ...	29.98	35	NE	4	0	29.63	-18	33	32	-2	W	2	c	*	37	32	-	
Bodö ...	29.46	34	SW	8	m	29.34	-49	29	26	+2	nnw	4	c	3	37	27	-	
Christiansund	29.98	37	nnw	7	r	29.74	-30	39	35	+6	W	7	r	5	39	32	0.16	
Skudesnaes ...	30.10	34	Z	0	6	29.96	-06	35	33	+2	nnw	1	o	2	37	28	-	
Christiania Fjord	30.03	35	nnw	2	6	29.82	-22	28	27	+1	nsW	2	b	1	36	27	-	
(Fæder)																		
Skagen (The Scaw)	29.97	34	Z	0	6	29.86	-16	31	20	-2	W	1	b	0	37	25	-	
Fanö ...	29.97	33	ESE	4	6	29.91	+03	30	30	-5	NE	2	b	*	48	28	-	
Sumburgh Head	30.12	40	Z	0	c	30.08	+06	40	38	0	N	2	bc	3	45	34	0.01	
Stornoway ...	30.07	41	E	4	b	30.16	+17	38	37	-3	NE	2	bc	3	45	31	-	
Wick ...	30.10	40	E	3	c	30.15	+15	34	33	-7	NW	2	bc	1	42	30	-	
Nairn ...	30.13	41	E	1	bc	30.14	+21	37	36	-3	Z	0	o	1	42	38	-	
Aberdeen ...	30.05	40	NE	4	cq	30.14	+21	39	36	+1	NW	2	bc	4	43	35	0.03	
Leith ...	29.94	43	E	4	0	30.11	+32	40	38	0	ESE	2	o	*	43	36	0.25	
Shields ...	29.86	42	NE	2	0	30.04	+35	41	39	+1	NE	3	o	4	43	38	0.01	
Spurn Head ...	29.71	43	ESE	5	0	29.90	+26	42	40	+1	NE	6	b	5	44	39	-	
York ...	29.75	46	E	1	o	29.98	+29	42	40	+1	E	2	b	*	48	36	0.01	
Loughborough	29.67	45	ESE	3	0	29.87	+23	42	41	+6	NE	3	o	*	47	35	0.10	
Ardrossan ...	29.88	42	NE	4	0	30.08	+33	40	38	+1	NE	3	b	2	42	37	-	
Malin Head ...	29.83	42	ESE	6	og	30.05	+31	43	41	+4	E	4	bcm	2	43	39	-	
Mullaghmore ...	29.81	43	NE	6	cq	30.00	+27	42	40	+2	E	5	b	4	43	39	-	
Belmullet ...	29.81	43	ESE	4	0	29.94	+22	43	42	+2	ESE	1	b	*	45	40	-	
Donaghadee ...	29.81	44	E	5	c	30.02	+29	43	42	+3	E	6	bq	4	46	40	-	
Liverpool (Bidston)	29.69	45	ESE	4	r	29.90	+24	43	41	+6	NE	4	c	4	46	37	0.04	
Holyhead ...	29.71	43	ESE	5	ogm	29.84	+24	43	41	+4	ESE	6	omgq	6	44	39	-	
Parsonstown ...	29.71	43	Z	0	o	29.89	+25	43	42	+4	NE	2	o	*	46	38	-	
Valencia ...	29.64	45	NE	6	cm	29.77	+19	45	43	+4	NE	5	om	6	48	40	-	
Roche's Point...	29.62	43	ESE	5	bc	29.76	+27	45	43	+3	E	5	om	4	47	40	0.08	
Pembroke (St. Ann's Hd.)	29.59	45	ESE	4	c	29.75	+24	45	43	+6	ESE	3	c	2	46	39	-	
Scilly ...	29.44	45	E	6	c	29.60	+35	45	44	+1	ESE	5	c	5	48	43	0.04	
Prawle Point...																		
Jersey (St. Aubin's)	29.50	48	E	3	bcm	29.67	+23	44	41	+1	E	3	bcm	3	53	41	-	
Hurst Castle ...	29.53	43	ESE	2	r	29.76	+25	40	40	0	ESE	3	bc	2	47	39	0.08	
Dungeness ...	29.54	43	E	5	0	29.73	+22	39	39	-2	N	3	m	2	45	38	0.19	
London ...	29.59	44	E	3	r	29.78	+22	42	41	+1	E	2	og	*	46	41	0.09	
Oxford ...	29.61	45	NE	2	0	29.80	+21	42	41	+7	NE	2	og	*	45	35	0.15	
Cambridge ...	29.64	46	E	2	0	29.82	+23	42	42	+2	NE	1	og	*	51	38	0.17	
Yarmouth ...	29.65	42	E	5	c	29.82	+20	39	38	-1	ESE	6	cqgqf	5	43	36	0.01	
Cuxhaven ...	29.66	43	E	3	b	29.88	+08	36	36	-3	ESE	4	f	*	46	35	-	
Berlin ...	29.73	48	ESE	2	b	29.63	-01	41	41	+3	E	2	f	*	54	38	-	
Wiesbaden ...	*	*	*	*	*	29.74	+05	40	39	-5	NE	1	f	*	57	37	-	
Munich ...	29.64	42	SE	1	0	29.75	+02	38	35	+1	NNE	3	o	*	55	34	-	
The Helder ...	29.78	44	ESE	2	b	29.84	+13	37	37	-5	NE	3	f	3	48	37	-	
Brussels (9 a.m.)	*	*	*	*	*	29.72	*	44	43	*	SE	1	o	*	59	40	-	
Cape Gris Nez	29.56	44	E	2	r	29.74	+24	40	39	0	ESE	2	o	2	52	37	-	
Paris ...	29.62	43	ESE	5	bc	29.73	+19	38	37	-4	N	1	bc	*	49	34	0.08	
Brest ...	29.62	43	SE	4	bc	29.88	+35	43	42	-3	ESE	2	c	4	48	39	0.24	
Lorient ...	29.45	45	S	2	c	29.55	+25	41	40	-3	E	3	b	4	48	41	0.32	
Rochefort ...	29.48	51	SSE	3	0	29.54	+11	42	40	+1	ESE	4	c	*	55	34	-	
Belfort ...	?	38	N	3	0	?	?	39	?	+1	N	3	o	*	55	36	-	
Lyons ...	29.68	38	S	2	r	29.73	*	58	37	*	SW	1	r	*	45	34	2.28	
Nice ...	29.80	41	NE	5	r	29.84	+17	47	46	0	E	4	r	6	48	39	2.84	
Perpignan ...	29.53	56	SW	2	0	29.56	+06	50	47	+7	S	4	o	*	61	43	-	
Biarritz ...	29.46	54	N	3	b	29.48	+05	50	45	+3	SW	3	o	5	61	46	-	
Cornuna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.54	50	WSW	2	0	29.63	-02	49	46	+2	SW	2	bc	5	54	41	0.16	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Wednesday, 18th March, 1891.

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.

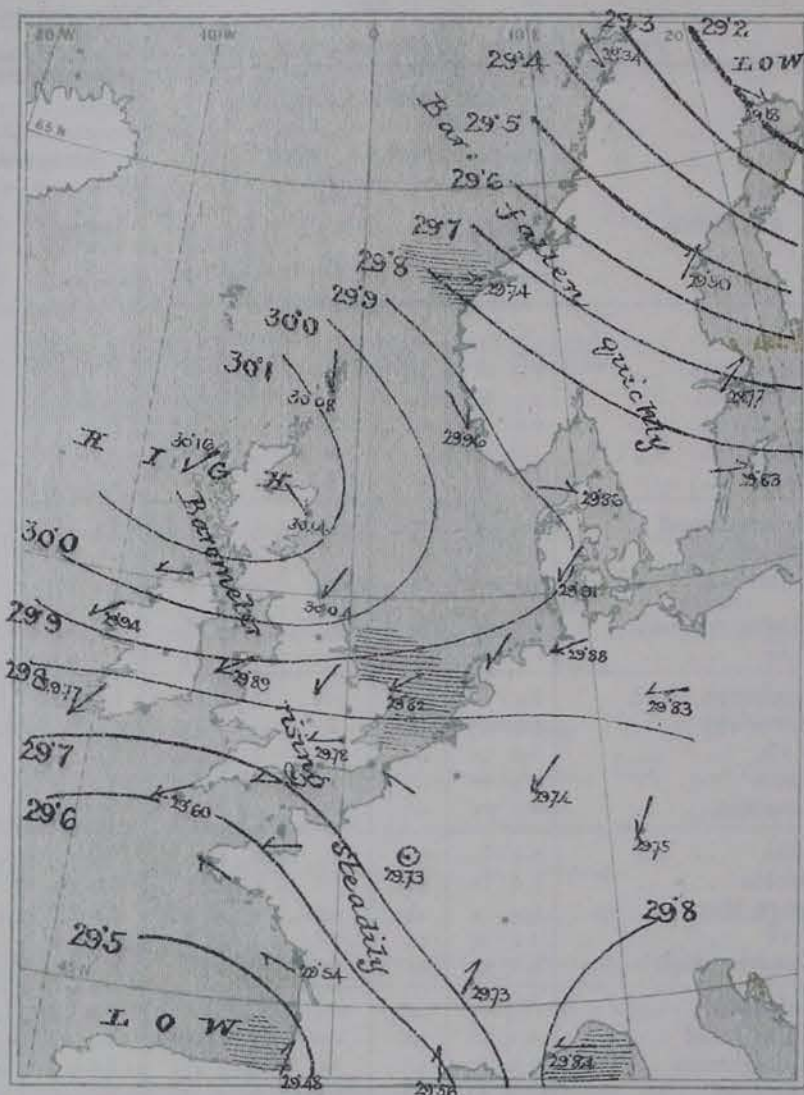
SEA DISTURBANCE—Where considerable, is shown thus:

— = 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	29.855
Leith	29.859
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.912
Ardrossan	29.903
Mullaghmore	29.874
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	29.929



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.

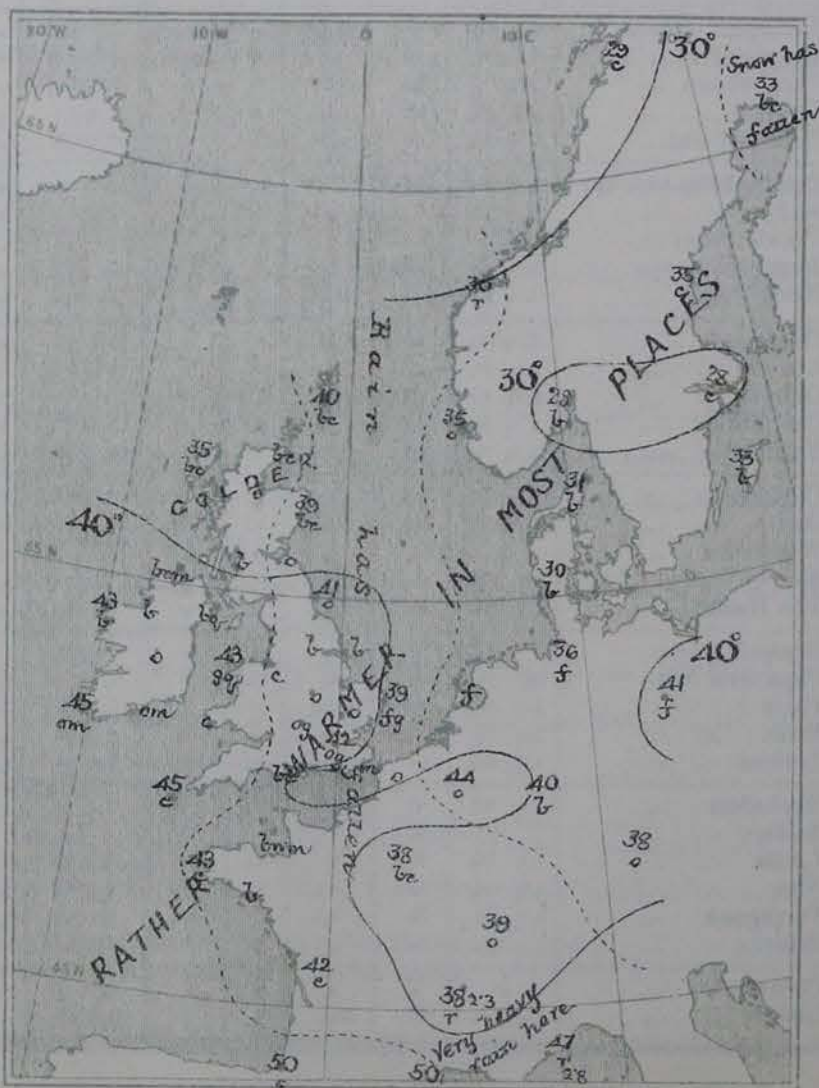
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.6	33.0	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	31.4	38.5	36.5	2.93
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	34.2	39.0	37.3	1.84
Ardrossan	46.3	36.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.2	40.2	2.61
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	35.8	40.3	38.2	1.72
Parsonstown	49.8	35.0	40.4	38.8	2.33
Valencia	51.1	40.2	41.5	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
Sally	49.5	42.5	44.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.85
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.0	37.4	40.1	38.2	1.49
Oxford	49.0	34.9	38.9	37.1	1.59
Cambridge	50.2	33.0	38.9	37.5	1.40
Yarmouth	45.2	34.9	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, 30.1 in: and upwards, in an anticyclone lying over Scotland.

Lowest, 29.2 in: and less, in a depression lying over Lapland, 29.5 in: and less, in a shallow system lying over the Bay of Biscay and the north of Spain.

Gradients moderate or slight generally. Barometer falling at the Scandinavian and Danish stations, but rising elsewhere.

TEMPERATURE

Highest, 50° at Birmm and Perpignan, 49° at Lisbon, 47° at Nice, and 45° at Valer's Island, Rockport, Kewstoke and Lough.

Lowest, 28° at Stockholm and Paris, 29° at Bordeaux, 30° at Faro, 31° at Hagen, and 30° at Haparanda and Nishy.

The maxima registered yesterday were above 45° in many parts of the United Kingdom.

WIND

E or NE over the greater part of our Islands, and also over the Netherlands and North Germany, but NW in the east of Scotland; strong in force on some parts of the English and Irish coasts.

Moderate from the SW or SE over the southern part of France, and from the NW in Scandinavia.

WEATHER

Fair over the United Kingdom as a whole as well as in Scandinavia, Denmark, and the north of France, but dull and gloomy over the central and easterly part of England.

Foggy over Holland and North Germany, raining in the south of France, and also at Christiansund.

Very heavy rain fell yesterday in the south of France (2.8 in: at Nice, and 2.3 in: at Lyons), and smaller quantities in many other parts of Western Europe.

SEA

Rough or rather so on many parts of our eastern and western coasts as well as over the Bay of Biscay, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any important change in the weather, but the anticyclone over Scotland is inclined to move southwards, so that some improvement is probable over England.

FORECASTS

For the 24 hours ending at NOON on 19th March 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NW^{ly} to W^{ly} winds, light; fair generally

Same as No 5.

NE^{ly} winds, light or moderate; fair generally, but local fogs.

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

NE^{ly} to Variable airs; fair generally.

NE^{ly} winds, moderate or fresh; fair generally.

NONE ISSUED.

WARNINGS

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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.09	44	37	2	0	6	2		Holyhead ...	29.64	42	40	ESE	5	cgm
Sumburgh Head ...	30.09	44	40	E	1	6	4		Valencia ...	29.58	43	44	NE	6	cm
Stornoway ...	30.04	44	42	E	4	6	4		Scilly ...	29.36	47	45	ESE	6	c
Aberdeen ...	30.00	42	40	NE	5	cq	7		Jersey ...	29.43	52	48	ESE	4	b
Shields ...	29.78	42	41	E	3	op	4		Dungeness ...	29.52	44	43	E	4	0
Ardrossan ...	29.82	42	41	NE	4	0	3		London ...	29.56	46	45	E	2	ogmr
Malin Head ...	29.81	42	40	ESE	5	0	3		Yarmouth ...	29.63	43	42	ESE	4	c
Mullaghmore ...	29.77	42	40	NE	6	ogm	4		Rochefort ...	29.45	54	50	S	4	c
Belmullet ...	29.77	45	42	ESE	5	0	*								

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

Weather in morning fine and bright in the extreme north of Scotland, as well as some stations over southern, southeastern, and central Europe, very unsettled elsewhere; rain falling generally in Portugal, the northwest of France, and the south of our Islands, locally in many other places, snow over Northern Europe. Fog still prevalent on the shores of the Black Sea, also in Germany, Poland and at Riga. Slight rain falling continuously in many parts of our southern countries, and unusually heavy falls in the south of France, thunder occurring frequently at Lyons.

Temperatures not changing much except over northern Russia, but tending to rise in the extreme south, morning readings exceeding 50° over all the southern parts of the Mediterranean and at San Fernando, and exceeding 40° over western Europe as a whole, lower elsewhere, but above the freezing point except in the far north. Lowest 25° at Haparanda, 26° at Uleaborg, 27° at Bodo, Hermand, and Faerø. Rising during day to 50° and more over France and Germany as well as at Jersey and Cambridge, but not exceeding 48° at any other station in our Islands.

Wind very light and variable over northern, eastern, and southeastern Europe. Fresh W to S over Spain, SE over Brittany, E to NE over the United Kingdom, and still blowing strongly on our western and northern coasts. Moderating in latter regions during the day and falling calm in the Netherlands, while strong SW winds appeared in the north of Norway.

Barometer highest 30.3 in. and upwards, in an anticyclone lying over Russia, 30.0 in. and upwards, in a col extending thence over the Baltic and south of Scandinavia to the extreme north of Scotland. Lowest 29.3 in. and less, in a depression lying over the northern part of the Bay of Biscay, 29.8 in. and less, in a large shallow area lying over Northern Russia. Depression over Bay of Biscay filling up gradually during day and moving slowly 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. slow.
* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Thursday 19th March:* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Published by the Meteorological Office, 25, Victoria Street, London. R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda	29.32	14	N	2	b	29.45	+27	10	9	-23	N	2	c	*	34	?	—	
	Hernösand	29.47	26	W	2	b	29.60	+10	19	17	-16	2	0	b	*	46	?	—	
	Stockholm	29.49	30	W	2	b	29.53	-27	23	21	5	N	4	b	*	37	23	0.04	
	Wisby	29.09	35	0	4	b	29.36	-47	32	32	0	NNE	6	0	*	37	28	0.04	
	Bodö	29.49	29	NNW	4	c	29.58	+21	28	25	-1	NNW	2	c	1	?	25	—	
	Christiansund	29.18	30	NNW	6	b	29.77	+03	31	29	-8	NNE	2	b	4	?	28	0.04	
	Skudesnaes	29.76	33	NNW	8	b	29.76	-20	30	27	-5	N	2	b	3	?	25	—	
	Christiania Fjord (Færdar)	29.60	35	NNW	5	0	29.64	-18	29	25	+1	NNW	5	b	2	6	27	—	
	Skagen (The Scaw)	29.48	37	NW	4	b	29.62	-24	29	24	-2	NE	3	b	3	37	28	—	
	Fanö	29.60	37	NW	4	c	29.54	-37	30	28	0	N	5	c	*	43	30	—	
BRITISH ISLANDS.	Sumburgh Head	30.03	35	N	3	c	29.95	-13	35	32	-5	N	2	c	3	43	33	0.02	
	Stornoway	30.11	42	NE	3	c	30.08	-08	36	35	-2	N	2	b	3	45	32	0.01	
	Wick	30.06	40	NW	2	b	30.01	-14	35	33	+1	NW	3	b	1	45	32	0.02	
	Nairn	30.07	42	SW	1	c	30.02	-12	35	34	-2	N	2	c	2	47	34	—	
	Aberdeen	30.02	41	NW	4	c	29.99	-15	37	34	-2	NW	3	0	4	44	35	0.01	
	Leith	30.03	42	ENE	2	c	30.01	-10	37	34	-3	NW	1	c	*	43	36	—	
	Shields	30.00	40	N	2	c	29.92	-12	38	36	-3	NNW	4	0	5	41	33	0.03	
	Spurn Head	29.91	39	NNE	6	b	29.84	-06	40	37	-2	N	5	0	4	44	36	0.01	
	York	29.98	40	ENE	2	0	29.91	-07	38	36	-4	NE	1	0	*	48	34	0.01	
	Loughborough	29.92	40	NNE	5	0	29.90	+03	38	36	-4	N	3	0	*	53	37	0.01	
GERMANY & HOLLAND.	Ardrossan	30.03	43	NE	1	cm	30.02	-06	39	35	-1	NE	3	b	2	45	33	—	
	Malin Head	30.05	43	N	3	0	30.03	-02	41	39	-2	NE	3	c	2	46	40	—	
	Mullaghmore	30.02	48	NNE	4	c	30.05	+05	42	40	0	NE	4	cm	2	50	39	—	
	Belmullet	30.04	46	NE	2	b	30.07	+13	42	41	-1	E	1	0	*	50	41	—	
	Donaghadee	30.02	45	NE	2	c	30.03	+01	40	38	-3	E	3	c	2	50	38	—	
	Liverpool (Bidston)	29.95	40	ENE	3	b	29.97	+07	39	36	-4	N	1	c	2	51	36	—	
	Holyhead	29.94	43	ENE	6	cm	29.98	+09	40	38	-3	NE	4	c	4	46	38	—	
	Parsonstown	29.97	47	2	0	0	29.95	+10	34	34	-5	2	0	c	*	52	33	—	
	Valencia	29.92	49	ENE	3	cm	30.02	+25	43	41	-2	NNE	2	cm	2	51	40	—	
	Roche's Point	29.88	48	E	5	cm	29.98	+22	41	38	-4	NE	3	c	4	50	38	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.82	48	ENE	2	b	29.94	+19	38	36	-7	NE	2	b	1	49	35	—	
	Scilly	29.76	47	ENE	3	b	29.89	+29	47	45	+2	ENE	3	c	4	49	42	—	
	Prawle Point	29.69	47	N	4	c	29.85	+18	40	37	-4	NE	4	cm	3	54	39	0.06	
	Jersey (St. Aubin's)	29.73	45	ENE	4	m	29.85	+09	38	38	-2	NNE	5	0	4	46	36	0.02	
	Hurst Castle	29.69	40	NNE	5	f	29.75	+02	39	37	0	NE	5	c	4	44	36	0.06	
	Dungeness	29.80	44	NE	4	c	29.83	+05	38	36	-4	N	3	0	*	47	36	—	
	London	29.87	37	NE	5	0	29.88	+01	39	36	-3	NNW	3	c	*	47	35	—	
	Oxford	29.87	38	NE	3	0	29.85	+03	38	37	-4	N	2	0	*	52	33	0.01	
	Cambridge	29.84	38	ENE	6	cm	29.77	-05	39	36	0	NNE	4	c	4	39	36	—	
	Yarmouth	29.84	38	ENE	6	cm	29.77	-05	39	36	0	NNE	4	c	4	39	36	—	
GERMANY & HOLLAND.	Cuxhaven	29.80	41	N	3	c	29.53	-35	37	36	+1	N	6	0	*	48	36	—	
	Berlin	29.68	42	2	0	f	29.45	-38	36	36	-5	NW	3	0	*	48	36	—	
	Wiesbaden	29.62	46	E	3	0	29.49	-25	43	41	+3	N	2	0	*	55	40	0.08	
	Munich	29.62	46	E	3	0	29.52	-21	46	42	+8	SW	6	c	*	57	37	—	
	The Helder	29.79	36	NE	2	b	29.66	-18	37	34	0	N	3	c	3	37	36	—	
	Brussels (8 a.m.)	29.70	38	E	5	f	29.67	-05	36	35	-8	N	5	0	*	52	32	—	
	Cape Gris Nez	29.62	45	WNW	2	f	29.73	-01	39	37	-1	NNE	5	0	6	43	34	0.08	
	Paris	29.71	46	SE	4	0	29.69	-04	37	36	-1	NNW	5	0	*	51	32	0.12	
	Brest	29.65	50	NNE	1	?	29.80	+25	43	42	0	NE	3	0	2	57	39	—	
	Lorient	29.65	50	NNE	1	?	29.80	+25	42	41	+1	NNE	1	0	2	59	41	0.04	
FRANCE AND BELGIUM.	Rochefort	29.57	52	NE	4	0	29.76	+22	45	45	+3	WNW	3	b	*	61	34	—	
	Belfort	29.53	42	N	1	0	29.78	+05	42	38	+4	SW	2	c	*	54	37	—	
	Lyons	29.74	44	NE	4	0	29.79	-05	45	45	-2	N	3	b	3	44	40	0.58	
	Nice	29.52	?	NW	2	b	29.86	+30	41	39	-9	SW	1	b	*	48	41	1.62	
	Perpignan	29.60	52	WNW	4	c	29.76	+28	47	43	-3	SE	2	b	2	59	43	—	
	Biarritz	29.60	52	WNW	4	c	29.76	+28	47	43	-3	SE	2	b	2	59	43	—	
	Corunna	29.70	53	0	3	b	29.69	+06	49	48	0	E	2	0	3	50	48	0.08	
	Lisbon	29.70	53	0	3	b	29.69	+06	49	48	0	E	2	0	3	50	48	0.08	

WEATHER CHARTS

for 8 a.m. on Thursday, 19th March, 1891.

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.

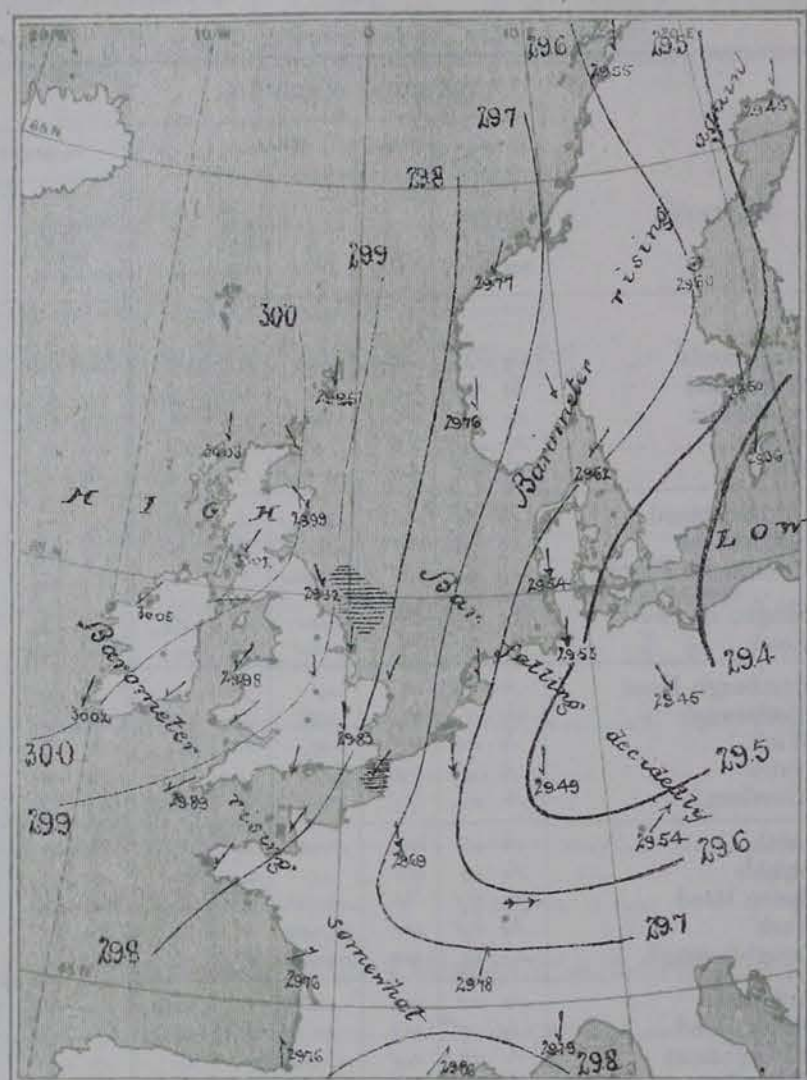
MEAN HEIGHT OF THE BAROMETER

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
Sour Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.965
Mullaghmore	29.974
Donaghadee	29.982
Holyhead	29.997
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roshe'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	29.941
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.

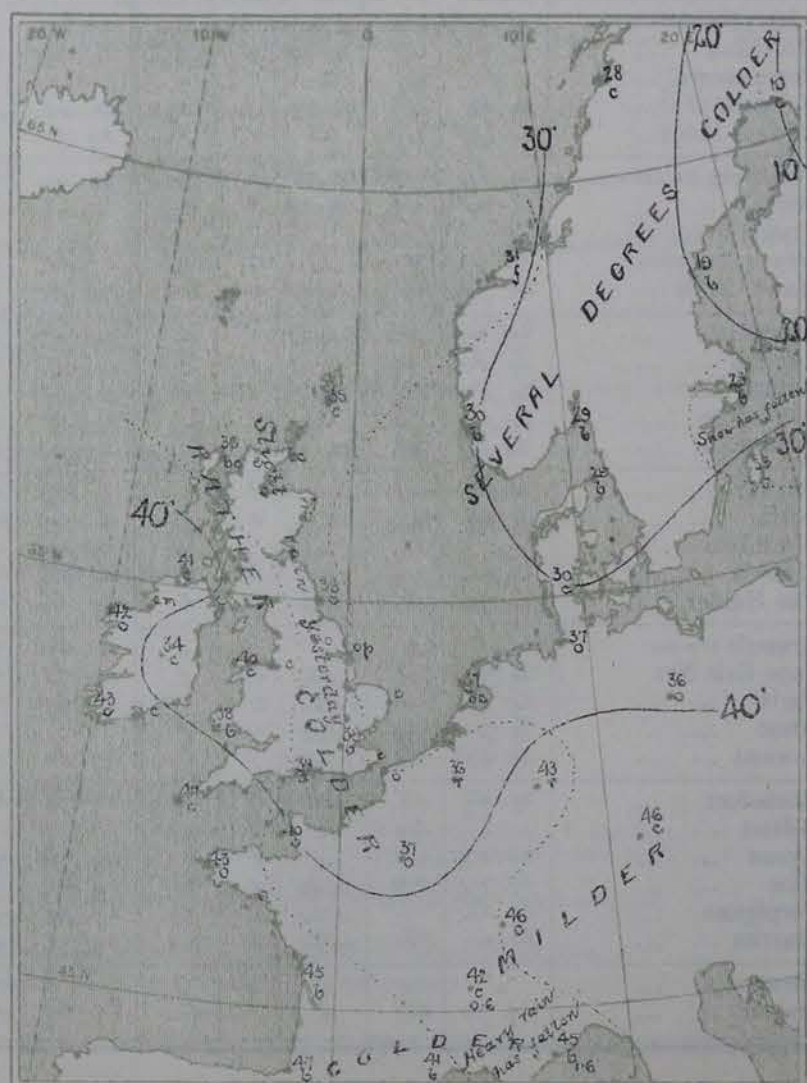
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	38.0	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	38.0	36.2	1.68
Aberdeen.....	45.4	34.4	38.5	36.5	2.33
Leith.....	47.9	34.0	39.5	37.7	1.41
Shields.....	45.9	33.2	39.4	37.8	1.75
Sour 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	41.2	40.2	2.61
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	2.33
Valencia.....	51.1	40.2	41.9	42.8	4.20
Roshe's Point.....	49.7	39.6	43.3	41.6	3.71
Pembroke.....	46.6	39.1	42.1	40.3	2.40
Silly.....	49.5	42.5	43.0	41.2	2.40
Prawle Point	48.1	37.7	42.3	41.2	1.25
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle.....	47.8	37.2	41.0	40.1	1.84
Dover.....	49.4	36.9	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford.....	49.0	34.0	38.9	37.4	1.59
Cambridge.....	50.2	33.0	38.2	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and upwards, in an anticyclone lying over Scotland and the west and north of Ireland.

Lowest, 29.4 in. and less, in a depression lying over the Baltic.

Gradients moderate or slight generally. Barometer falling briskly in Denmark and Germany, and slightly in the north and east of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 43° at Luton, 47° at Seilly and Hanitz, 46° at Munich and Belfast and 45° at Rochefort and Nice.

Lowest, 10° at Haparanda, 19° at Helsingfors, 23° at Stockholm, 28° at Bodo, and 29° at Fardos and Kaga.

During yesterday the thermometer rose slightly above 50° in the west of our Islands and also in some parts of central England.

WIND

Light or moderate from the N^W over Scandinavia and the north of our Islands; fresh or strong from the same quarter over Denmark, the Netherlands, and the east and southeast of England.

Strong from W. or SW. over south Germany and the east of France.

Moderate from the NE^W in the west of our Islands; variable in the south of France.

WEATHER

Cloudy or overcast over Germany, Belgium, the south of Sweden, and the eastern parts of Great Britain and France, with rain at Brussels and Wiesbaden, and snow at Wiesbaden. A lunar halo was seen at Valencia Island last night.

Showers fell yesterday in the eastern, northern, and southern parts of the United Kingdom, and heavy rain in the south of France.

SEA

Rough at Cape Fin Noy and rather rough at Shields, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No very decided change in the weather is indicated, but as the barometer is apparently still falling in Germany and the Netherlands the northerly wind is likely to blow strongly on our east and southeast coasts, with occasional showers.

FORECASTS

For the 24 hours ending at NOON on 20TH MARCH 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^W winds, moderate; fair generally, but local showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	Same as Nos 0 and 1.
5	ENGLAND SOUTH	N ^W and NE ^W winds, strong; cloudy, some cold showers.

6	SCOTLAND WEST	NE ^W winds, light or moderate; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

The NORTH CONE was hoisted last evening in district 3 and parts of 2 and 5.

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.

	THER:		WIND		WEA.	SEA		THER:		WIND		WEA.	SEA
	BAR:	D.	W.	D.	F.			BAR:	D.	W.	D.	F.	
Skudesnaes ...	29.80	40	?	NW	6	C	3	Holyhead ...	29.93	46	43	ENE	6
Sumburgh Head ...	30.03	41	3	N	3	C	3	Valencia ...	29.87	48	46	NE	5
Stornoway ...	30.14	45	42	NE	4	C	4	Scilly ...	29.71	47	45	ENE	5
Aberdeen ...	30.08	43	39	NNW	3	C	4	Jersey ...	29.71	52	47	ENE	4
Shields ...	30.04	41	38	NE	3	O	4	Dungeness ...	29.69	40	40	NNE	5
Ardrossan ...	30.06	45	42	E	3	Om	2	London ...	29.77	47	45	NNE	2
Malin Head ...	30.07	46	43	NE	2	bc	1	Yarmouth ...	29.83	39	38	ENE	6
Mullaghmore ...	30.03	50	47	ENE	4	bc	2	Rocheport ...	29.73	56	49	ENE	4
Belmullet ...	30.02	50	47	ENE	2	bc	*						

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

Weather in morning fair and quiet over eastern and southeastern Europe, less unsettled over western Europe generally than of late, fine and bright over Sweden the Gulf of Finland and the northern parts of the Kingdom, as well as at the Channel stations and in the north of France very foggy over Germany, the Baltic Provinces and the Sound. Much rain still falling in the south of France, the fall at Nîmes during the day amounting to 1.6 in. Haze at Valencia (Ireland) in evening.

Temperature rising in the far south, changing little and irregularly elsewhere. Morning readings considerably above 60° on the northern coast of Algeria and at Palermo and above 50° at most of the Mediterranean and Adriatic stations, but below that value in the Riviera and south of France generally, exceeding 40° over Ireland, England, and the coast of France, lower as a whole elsewhere. Lowest 25° at Athens, 26° at Belgrade, 30° at Hamburg and Archangel, 31° at Hongkong. Rising to a little above 50° over our islands later, and to between 55° and 60° in several parts of France.

Wind very variable. (1) E¹ light to strong over Ireland and England, moderate in the Channel, S¹ over Algeria, Spain and the southwest of France; (2) W¹ to NW¹ in Norway. SW¹ over Sweden and Finland; (3) light and variable in most other places, but moderate E¹ over Corsica and the Gulf of Genoa. Blowing a gale from NNW in Norway later, and becoming NW¹, fresh, on the Scotch coast also.

Barometer highest, 30.1 in: and more to 29.9 in:, in an anticyclone lying over the northern part of the British Islands and North Sea; 30.0 in: and more to 29.9 in: over the Black Sea, southeastern Europe, and the southeastern part of the Mediterranean generally. Lowest, 29.2 in: and less, in a depression over Lapland, and 29.5 in: and less, in another over the southern part of the Bay of Biscay. A very shallow local disturbance found near Breslau. Depression in far north moving quickly to the southwards later, barometer falling all over the North Sea and Baltic, beginning to rise in northwest of Norway.

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. The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 Friday, 20th March, 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ...	29.46	7	Z	0	b	29.39	- 06	9	?	- 1	SE	2	0	*	25	5	-	
	Hernösand ...	29.52	15	NW	2	bc	29.45	- 15	16	15	- 3	Z	0	b	*	37	14	-	
	Stockholm ...	29.52	22	N	2	b	29.52	+ 02	15	14	- 5	Z	0	0	*	32	14	-	
	Wisby ...	29.46	30	N	6	bc	29.46	+ 10	29	26	- 4	N	4	b	*	32	27	-	
	Bodö ...	29.49	27	N	2	bc	29.43	- 12	24	21	- 4	NW	4	b	2	28	21	-	
	Christiansund	29.62	30	NNW	4	S	29.64	- 13	31	28	0	N	4	bc	4	32	30	0.51	
	Skudesnaes ...	29.67	32	NW	2	0	29.68	- 08	31	28	+ 1	N	2	b	2	36	27	-	
	Christiania Fjord (Færdar)	29.61	34	NNW	2	b	29.60	- 04	28	25	- 1	WNW	2	b	1	34	28	-	
	Skagen (The Scaw)	29.61	31	NNE	1	b	29.60	- 02	30	29	+ 1	NW	1	S	2	32	25	-	
	Fanö ...	29.61	34	NNW	2	b	29.59	+ 05	31	31	+ 1	NW	2	S	*	36	27	-	
BRITISH ISLANDS.	Sumburgh Head	29.77	38	NNW	3	0	29.86	- 09	36	34	+ 1	N	3	0	4	39	33	0.05	
	Stornoway ...	29.94	42	NW	3	c	29.99	- 09	40	39	+ 4	NE	4	c	4	44	33	0.04	
	Wick ...	29.80	39	N	2	r	29.93	- 08	40	39	+ 5	N	5	0	3	42	34	0.10	
	Nairn ...	29.90	40	N	1	bc	29.88	- 14	40	38	+ 5	NE	3	c	4	44	34	0.01	
	Aberdeen ...	29.89	38	NW	3	c	29.83	- 16	38	36	+ 1	NNE	6	bc rcp	5	41	34	0.10	
	Leith ...	29.94	40	NW	2	bc	29.81	- 20	40	36	+ 3	NNW	2	cm	*	44	36	-	
	Shields ...	29.91	38	NW	2	cph	29.72	- 20	36	35	- 2	NW	3	cp	4	41	31	0.06	
	Spurn Head ...	29.86	37	N	6	spk	29.69	- 15	37	35	- 3	NW	5	osp	4	43	33	0.06	
	York ...	29.92	38	N	2	0	29.74	- 17	36	35	- 2	N	1	c	*	43	31	0.02	
	Loughborough	29.93	38	N	3	0	29.79	- 11	35	33	- 3	N	2	chp	*	43	33	-	
GERMANY & HOLLAND.	Ardrossan ...	29.96	42	SE	0	bc	29.85	- 17	42	38	+ 3	Z	0	b	0	47	37	-	
	Malin Head ...	30.03	41	NNW	3	0	29.95	- 08	41	38	0	N	6	0q	4	43	40	-	
	Mullaghmore ...	30.03	43	NNW	5	c	29.97	- 08	44	40	+ 2	N	5	c	4	47	40	0.01	
	Belmullet ...	30.07	43	NNE	2	bc	30.02	- 05	45	42	+ 3	NNE	2	0	*	47	38	0.02	
	Donaghadee ...	30.01	43	NE	2	bc	29.85	- 18	42	40	- 2	NE	7	bc	5	49	38	0.04	
	Liverpool (Bidston)	29.97	39	NW	2	bc	29.79	- 18	39	38	0	NNE	4	c	3	42	34	0.03	
	Holyhead ...	29.99	40	NE	3	bc	29.80	- 18	41	41	+ 1	NNW	5	cq p	4	42	35	0.04	
	Parsonstown ...	30.00	47	SE	0	bc	29.95	- 04	38	37	+ 4	Z	0	0	*	49	29	0.04	
	Valencia ...	30.02	47	NE	3	cm	30.00	- 02	42	40	- 1	NNE	2	c	2	51	35	-	
	Roche's Point...	30.01	43	E	2	bc	29.94	- 04	38	35	- 3	N	2	b	3	47	35	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.98	39	NNE	2	b	29.87	- 07	41	38	+ 3	NNW	2	bc	1	45	33	-	
	Scilly ...	29.94	43	NNE	3	c	29.87	- 02	43	39	- 4	NNE	4	bc	4	48	38	-	
	Prawle Point ...	29.91	44	NNE	4	cq	29.87	+ 02	40	37	0	NE	2	bcnw	2	45	32	-	
	Jersey (St. Aubin's)	29.92	39	NNE	3	m	29.86	+ 01	31	31	- 7	NNE	1	cf	1	45	30	-	
	Hurst Castle ...	29.92	39	NNE	3	m	29.86	+ 01	31	31	- 7	NNE	1	cf	1	45	30	-	
	Dungeness ...	29.86	37	N	3	bcsp	29.83	+ 08	33	33	- 6	N	1	m	0	45	27	-	
	London ...	29.90	38	NW	2	bc	29.80	- 03	35	33	- 3	N	1	bc	*	44	33	-	
	Oxford ...	29.96	37	NE	3	0	29.81	- 07	33	31	- 6	N	2	0	*	43	31	-	
	Cambridge ...	29.89	36	N	2	S	29.77	- 08	36	34	- 2	N	1	c	*	46	32	0.05	
	Yarmouth ...	29.83	37	N	3	c	29.74	- 03	36	35	- 3	NNW	3	cf	4	41	33	0.01	
GERMANY & HOLLAND.	Cuxhaven ...	29.60	35	NNE	4	bc	29.69	+ 16	33	32	- 4	NW	2	b	*	37	30	-	
	Berlin ...	29.47	38	N	3	0	29.69	+ 24	30	29	- 6	NW	4	0	*	43	28	0.20	
	Wiesbaden ...	*	*	*	*	*	29.83	+ 34	32	29	- 11	NNW	1	b	*	46	30	0.16	
	Munich ...	29.67	34	N	5	r	29.81	+ 27	31	30	- 15	SW	4	S	*	52	28	0.04	
	The Heider ...	29.80	34	N	1	0	29.69	+ 03	35	35	- 2	NW	1	S	2	37	32	0.04	
	Brussels (9 a.m.)	*	*	*	*	*	29.82	+ 15	32	31	- 4	SW	1	c	*	42	25	0.04	
	Cape Gris Nez	29.85	37	N	3	0	29.82	+ 09	36	34	- 3	NW	3	0	3	43	34	-	
	Paris ...	29.91	40	NNW	3	bc	29.88	+ 19	28	28	- 9	NNE	1	bc	*	45	26	-	
	Brest ...	29.91	43	NNE	2	0	29.88	?	35	31	- 8	E	2	b	?	?	?	-	
	Lorient ...	29.88	42	NE	3	0	29.83	+ 03	37	34	- 5	ENE	3	b	2	50	36	-	
FRANCE AND BELGIUM.	Rocheport ...	29.83	50	NW	3	b	29.73	- 03	37	35	- 8	ENE	5	c	*	57	28	-	
	Belfort ...	?	38	N	3	r	?	?	35	?	- 11	N	3	bc	*	44	27	0.12	
	Lyons ...	29.85	43	N	2	r	29.76	- 02	37	36	- 5	NNW	2	0	*	36	37	-	
	Nice ...	29.74	53	N	2	b	29.67	- 12	45	36	0	E	4	b	0	63	45	-	
	Perpignan ...	29.82	53	SE	1	0	29.70	- 16	40	39	- 1	SW	1	b	*	62	38	-	
	Biarritz ...	29.75	53	NE	3	bc	29.61	- 15	48	44	+ 1	E	3	0	2	39	45	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
PENINSULA.	Lisbon ...	29.65	51	NW	2	r	29.80	+ 11	50	46	+ 1	NW	4	b	2	52	48	0.35	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Friday, 20th March, 1891.

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:

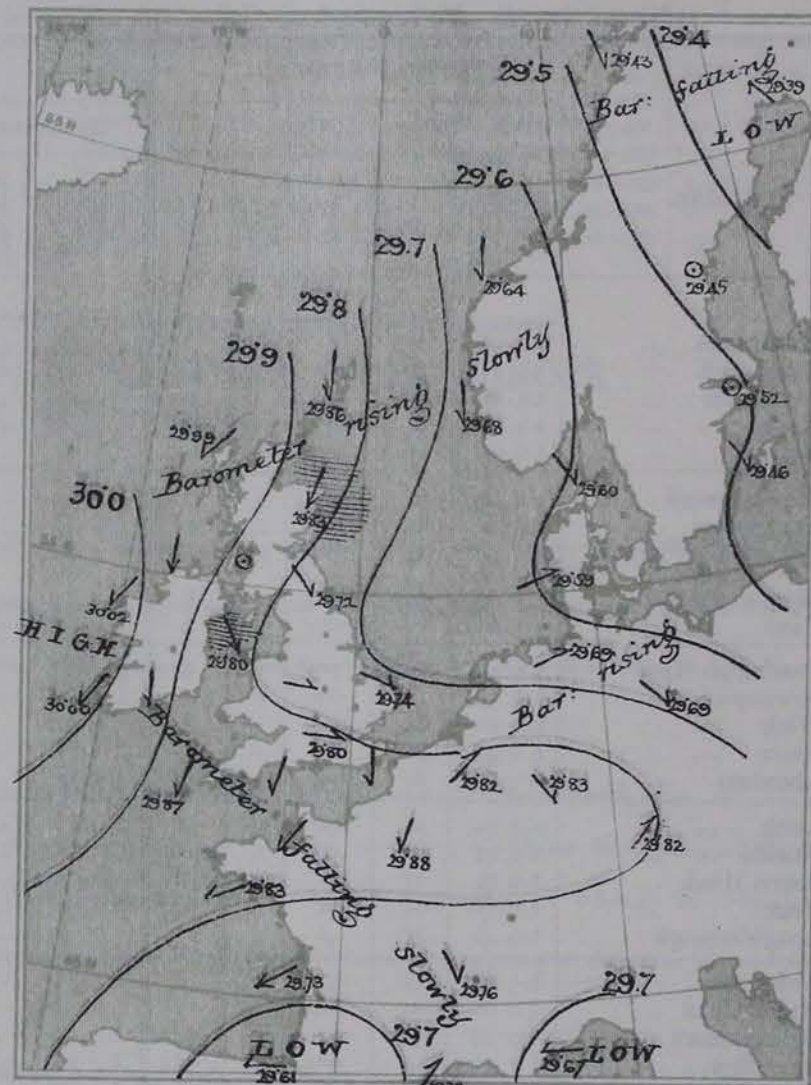
☼ = Rough. ☼ = High.

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	29.874
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	29.934
LONDON	29.950
Oxford	29.951
Cambridge	29.941
Yarmouth	29.920



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in: and upwards, in the west of Ireland.

Lowest, 29.4 in: and less, in the north of Sweden; 29.6 in: and less, in a depression lying to the southward of Rianitz.

Gradients slight. Barometer rising in the north of our Islands and the west of Norway, as well as in Germany but falling elsewhere.

TEMPERATURE

Highest, 50° at Helsing, 48° at Rianitz, 45° at Belmullet and Nice, 44° at Mullaghmore, and 43° at Scilly.

Lowest, 9° at Haparanda, 15° at Stockholm, 16° at Helsingfors, 24° at Bodo and 28° at Tarsus and Paris.

Frost occurred last night at many of our inland stations.

WIND

N³ over the greater part of our Islands and also in Norway; strong in force on our north and north-west coast.

Light from the Wnd over Denmark, the Netherlands, and the central and eastern part of England.

Light or moderate from the End over the greater part of France.

WEATHER

Cloudy or overcast in all the more northern and eastern part of the United Kingdom, with snow showers in many places. Snow is also falling in Denmark and Holland.

Fine in nearly all other localities.

Snow showers have fallen in all the more northern and eastern part of the United Kingdom.

SEA

Moderate to smooth generally, but rather rough at Aberdeen and Donaghadee.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depressions which are now lying over the North Sea and the more central part of our Islands will probably continue to move southwards. Snow is therefore likely over our southern and southeastern counties.

FORECASTS

For the 24 hours ending at NOON on 21st March 1891.

DISTRICTS.

FORECASTS.

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

N³ and NE³ winds, strong, perhaps a gale; unsettled, some snow showers.

NW³ to N³ winds, strong; unsettled some snow showers.

W³ to N³ winds, varying in force; unsettled, some snow.

DISTRICTS.

FORECASTS.

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

Light breezes, chiefly N³; fair generally.

N³ winds, fresh or strong; unsettled, some snow showers.

N³ winds, light or moderate; fair generally, but local showers.

WARNINGS

The NORTH CONE was hoisted last evening in districts 0, 1 and part of 2, and is still flying there as well as in district 3, part of 5, and remainder of 7.

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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.74	36	29	N.W.	4	0	3	Holyhead ...	30.00	41	38	N.W.	3	0	3
Sumburgh Head ...	29.88	36	34	N.W.	2	0	3	Valencia ...	30.03	49	45	N.E.	3	0	3
Stornoway ...	30.02	44	40	N	3	0	3	Scilly ...	29.92	44	42	E.N.E.	3	0	4
Aberdeen ...	29.98	40	35	N.W.	4	c. R. p.	4	Jersey ...	29.89	45	41	N.E.	4	0	3
Shields ...	29.94	40	39	N	4	0	5	Dungeness ...	29.82	43	38	N.W.	5	0	3
Ardrossan ...	30.00	43	39	N	3	0	2	London ...	29.87	42	39	N.W.	4	0	3
Malin Head ...	30.04	42	38	N	3	0	1	Yarmouth ...	29.81	41	37	N.W.	4	0	4
Mullaghmore ...	30.05	47	43	N.W.	2	0	2	Rochefort ...	29.83	58	50	N.W.	3	0	3
Belmullet ...	30.08	45	41	N.E.	1	0	*								

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

Weather in morning very foggy over the south of Russia and in many parts of Germany, fair generally over the Mediterranean, changeable and unsettled over western and northwestern Europe, though temporarily fine over Scandinavia and in the north of Scotland, rain falling at several French stations, snow at Münster and Nîmes. Slight rain or snow in the north and northwest of our Islands later and also over our Eastern counties; rather larger quantities in Germany.

Temperature risen decidedly over Italy, Austria and south Germany, changed little and irregularly elsewhere. Morning readings exceeding 60° at Palermo and La Fée and exceeding 50° on the eastern, southern, and western shore of the Mediterranean generally, as well as in the north of Spain; lower elsewhere. Below 40° in many parts of our Islands, central Europe and Russia, and as low as 2° at Uleaborg, 10° at Espinosa, 13° at Hermand, 23° at Stockholm, 27° at Archangel, and 29° at Hangö, the Scout, and Vardö. Not touching 50° at any of our own stations later, but rising to upwards of 60° in the south of France.

Wind light to strong from the N. over the whole of Northwestern Europe, very variable elsewhere, but mainly W. over the southern half of France, SW. to S. in south Germany and Austria.

Barometer highest 30.1 in. to 29.8 in. over and to the northwestward of the British Islands; 30.0 in. to 29.8 in. over southern and southeastern Europe. Lowest about 29.2 in. over northern Russia; 29.4 in. and less, in a depression over the Baltic; 29.5 in. and less over Germany, and 29.7 in. and less over Portugal and neighbouring parts of the Atlantic. Falling over Norway and Scotland later, rising over France and the south of England.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Saturday 21st March.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										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.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ...	29.32	11	2	0	bc	29.58	+19	-1	-2	-10	NE	2	bc	*	23	?	0.04
	Hernösand ...	29.40	24	2	2	d	29.67	+22	17	15	+1	NNW	4	bc	*	37	10	0.04
	Stockholm ...	29.47	23	2	0	bc	29.51	-01	21	19	+6	N	2	bc	*	30	12	—
	Wisby ...	29.48	31	SW	4	c	29.47	+01	31	28	+2	W	2	bc	*	34	25	—
	Bodö ...	29.98	24	NNE	2	bc	29.68	+25	19	17	-5	E	2	c	1	25	10	—
	Christiansund	29.70	26	NNW	7	d	29.77	+13	29	28	-2	SW	1	d	5	?	25	0.32
	Skudesnaes ...	29.60	32	NNW	6	bc	29.78	+10	29	26	-2	NNW	2	bc	2	?	25	—
	Christiania Fjord (Færdar)	29.47	35	WSW	3	bc	29.61	+01	25	21	-3	N	8	bc	3	36	25	—
	Skagen (The Scaw)	29.46	28	SW	1	bc	29.49	-11	26	23	-4	NNE	5	bc	4	36	25	0.04
	Fanö ...	29.54	26	NW	1	bc	29.50	-09	30	29	-1	N	4	bc	*	36	25	—
BRITISH ISLANDS.	Sumburgh Head	29.87	37	N	5	o	29.90	+04	35	33	-1	N	1	o	4	40	32	0.01
	Stornoway ...	30.07	41	NE	4	bc	29.95	-04	43	42	+3	N	2	bc	3	44	35	0.02
	Wick ...	29.95	39	NW	3	o	29.93	0.0	37	36	-3	NNW	1	o	1	41	36	0.03
	Nairn ...	29.93	40	ESE	3	c	29.94	+06	36	35	-4	ESE	1	o	1	40	35	—
	Aberdeen ...	29.93	38	NW	4	cq	29.95	+12	37	35	-1	NW	2	o	4	43	35	0.03
	Leith ...	29.94	41	NNE	3	o	29.97	+16	39	36	-1	NNW	1	cm	*	45	35	—
	Shields ...	29.87	39	N	4	cq	29.89	+17	36	35	0	NW	3	cm	5	43	32	0.11
	Spurn Head ...	29.84	39	NNE	6	bc	29.75	+10	36	35	-1	N	7	cm	5	42	33	0.12
	York ...	29.84	41	N	3	bc	29.88	+14	36	35	0	N	1	c	*	44	31	0.07
	Loughborough	29.83	38	N	4	bc	29.88	+09	37	35	+2	N	3	cm	*	45	33	0.03
GERMANY & HOLLAND.	Ardrossan ...	29.99	42	NE	2	d	29.99	+14	40	38	-2	NNW	2	bc	1	47	33	—
	Malin Head ...	30.03	42	N	5	bc	30.05	+10	43	40	+2	NNW	3	o	2	44	40	—
	Mullaghmore ...	30.06	40	NNE	5	c	30.10	+13	42	39	-2	N	2	c	2	48	38	—
	Belmullet ...	30.08	45	NNE	5	bc	30.12	+10	45	41	0	N	1	o	*	47	41	—
	Donaghadee ...	29.99	45	NE	5	bc	30.03	+18	42	40	0	NE	6	bc	4	49	38	—
	Liverpool (Bidston)	29.90	41	NE	3	c	29.95	+16	39	36	0	NW	5	c	4	46	36	—
	Holyhead ...	29.92	42	NE	5	bc	29.99	+19	41	37	0	N	4	c	4	44	40	0.01
	Parsonstown ...	29.98	46	2	0	c	?	?	30	30	-8	2	0	c	*	50	27	—
	Valencia ...	29.99	48	NNE	4	bc	30.11	+11	42	39	0	NNE	5	bc	5	52	35	—
	Roche's Point...	29.93	47	NNE	4	bc	30.07	+13	38	35	0	N	3	bc	3	50	34	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.84	42	NE	4	bc	29.98	+11	42	39	+1	NNE	3	bc	1	46	35	0.03
	Scilly ...	29.79	44	NE	6	bc	29.95	+08	43	42	0	NE	5	bc	4	45	35	—
	Prawle Point ...	29.79	37	ESE	2	bc	?	?	37	35	-1	NNW	3	bc	2	49	31	0.06
	Jersey (St. Aubin's)	29.74	43	N	3	bc	29.90	+03	40	36	0	N	3	bc	3	45	37	—
	Hurst Castle ...	29.75	41	NE	2	c	29.86	0.0	35	34	+4	NNE	4	bc	2	43	30	—
	Dungeness ...	29.72	41	W	1	o	29.75	-08	35	34	+2	N	5	o	3	45	29	—
	London ...	29.74	42	NNW	3	c	29.82	+02	36	34	+1	N	3	c	*	44	33	—
	Oxford ...	29.85	35	NNE	3	bc	29.86	+05	35	33	+2	N	3	c	*	43	31	0.03
	Cambridge ...	29.77	38	N	3	o	29.82	+05	36	35	0	N	3	o	*	47	28	0.04
	Yarmouth ...	29.71	39	N	3	cq	29.74	0.0	37	35	+1	N	5	cq	4	42	32	0.05
GERMANY & HOLLAND.	Cuxhaven ...	29.61	36	SW	3	bc	29.56	-13	32	31	-1	W	3	m	*	39	30	—
	Berlin ...	29.69	32	SW	2	bc	29.51	-18	32	31	+2	SW	3	o	*	39	28	—
	Wiesbaden ...	29.69	*	*	*	*	29.60	-23	33	31	+1	2	o	*	37	30	—	
	Munich ...	29.69	34	SE	3	o	29.48	-33	32	31	+1	NE	4	bc	*	37	28	0.04
	The Helder ...	29.68	35	NNE	2	o	29.63	-06	35	34	0	NNW	2	c	3	41	34	0.04
	Brussels (9 a.m.)	*	*	*	*	*	29.69	-13	30	30	-2	NNE	1	c	*	39	26	0.12
	Cape Gris Nez	29.73	39	W	1	o	29.73	-09	35	33	-1	N	5	o	5	43	31	—
	Paris ...	29.73	40	NNE	2	o	29.73	-15	35	32	+7	NNE	4	bc	*	46	?	—
	Brest ...	29.78	44	E	2	c	29.84	-04	37	36	+2	E	3	o	*	45	34	0.04
	Lorient ...	29.71	43	NNE	3	o	29.81	-02	39	37	+2	NNE	3	o	2	46	36	—
FRANCE AND BELGIUM.	Rochefort ...	29.60	46	NE	5	o	29.72	-01	38	36	+1	NNE	5	o	*	50	28	—
	Belfort ...	?	38	E	3	bc	?	?	34	32	-1	E	3	o	*	48	31	—
	Lyons ...	29.63	42	N	2	o	29.59	-17	31	31	-6	N	1	o	*	47	31	0.20
	Nice ...	29.65	48	SW	4	o	29.48	-19	46	31	+1	E	4	o	1	64	43	—
	Perpignan ...	29.49	54	N	2	c	29.55	-17	48	42	+8	W	4	bc	*	55	?	—
	Biarritz ...	29.53	51	NW	5	o	29.67	+06	47	42	-1	N	4	o	3	55	43	0.20
PENIN- SULA.	Corunna ...	29.80	52	W	3	bc	29.80	0.0	50	47	0	W	3	bc	3	57	48	—
	Lisbon ...	29.80	52	W	3	bc	29.80	0.0	50	47	0	W	3	bc	3	57	48	—

WEATHER CHARTS

for 8 a.m. on Saturday, 21st March, 1891.

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—

→ force above 10; → force 8 to 10;

→ force 5 to 7; → force 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

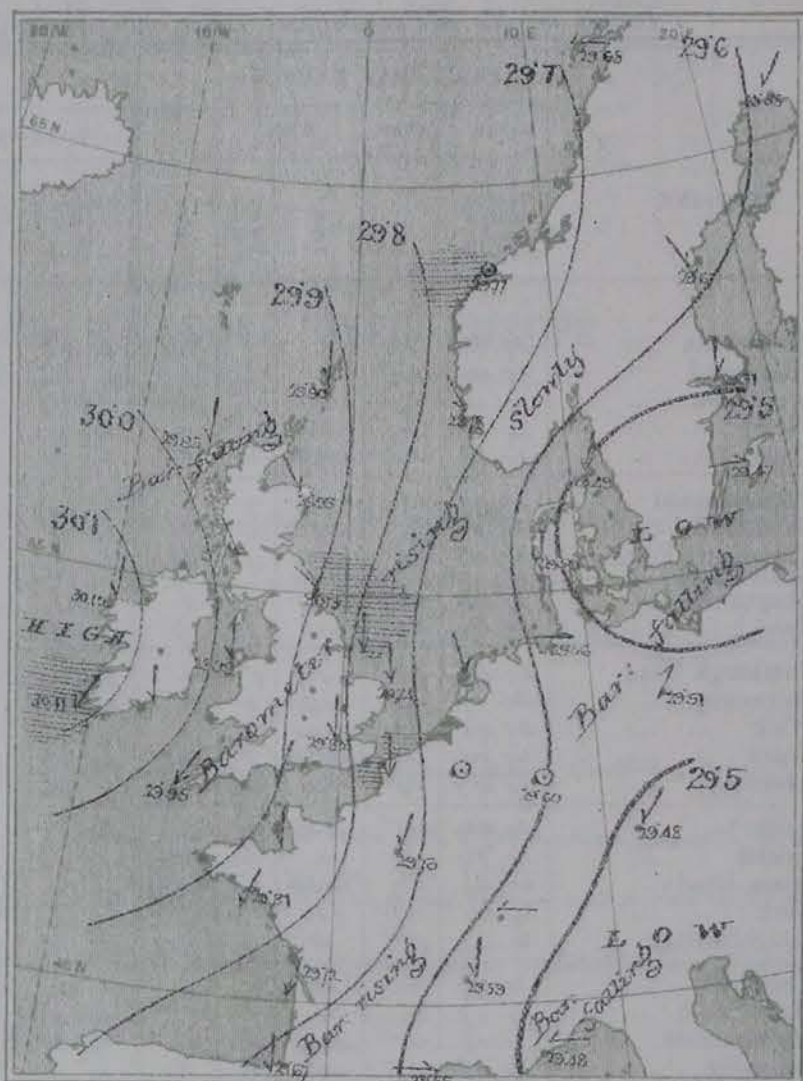
▨ = Rough. ▨ = High.

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	29.773
Wick	29.703
Nairn	29.810
Aberdeen	29.825
Leith	29.853
Shields	29.880
Sparn Head	29.896
York	29.903
Loughborough	29.932
Ardrossan	29.865
Mullaghmore	29.874
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Seilly	29.947
Prawle Point	29.905
Jersey	29.961
Hurst Castle	29.954
Dover	29.938
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.

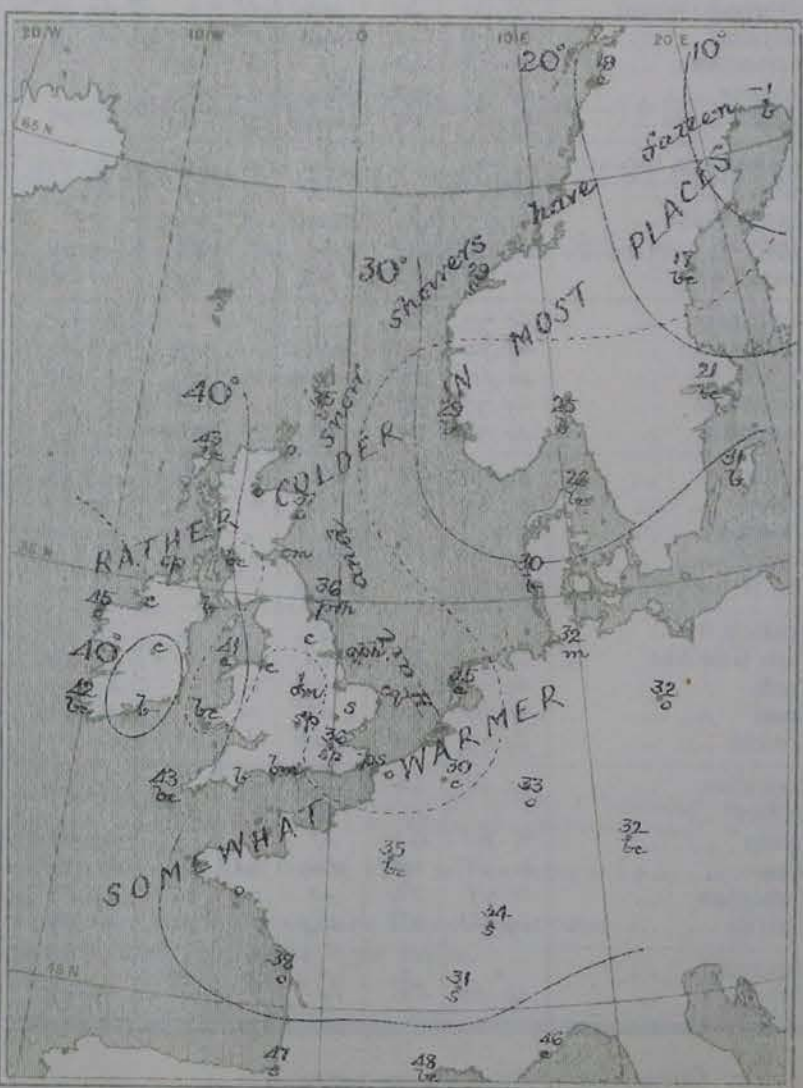
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of March)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.6	33.9	38.5	36.9	2.79
Stornoway	41.3	34.5	39.1	38.1	3.79
Wick.....	41.3	34.0	39.0	37.2	2.02
Nairn	45.6	32.9	38.0	36.2	1.08
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
Sparn Head.....	44.7	36.6	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	33.3	40.1	38.5	2.44
Mullaghmore	47.9	35.4	41.9	40.2	2.61
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	44.0	42.8	4.20
Roche's Point	49.7	39.6	43.3	41.5	3.71
Pembroke.....	48.6	39.1	42.1	40.3	2.40
Seilly	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	47.3	37.2	41.0	40.1	1.84
Dover	46.4	36.9	40.7	39.2	1.83
LONDON	50.6	35.4	40.1	38.2	1.19
Oxford	49.0	34.0	38.0	37.1	1.59
Cambridge	50.2	33.0	38.0	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 30.1 ins. and upwards in an anticyclone lying off the west of Ireland.
 Lowest 29.5 ins. and less in a depression lying over Denmark, the Baltic and the south of Sweden, and also in another disturbance lying over the southern parts of France & Germany.
 Gradients slight and irregular. Barometer falling in the north of Scotland & also in Germany and the Netherlands, but rising elsewhere.

TEMPERATURE

Highest 50° at Lisbon, 48° at Perpignan, 47° at Biarritz, 46° at Nice, and 45° at Belmullet.
 Lowest -1° at Haparanda, +17° at Hernösand, 19° at Rostock, 21° at Stockholm, and 25° at Lander.
 Frost occurred last night in many parts of Great Britain.

WIND

Chiefly N^W, but variable in Germany. On all the more exposed parts of the English and Irish coasts, and also at the Sea it blows freshly or strongly.

WEATHER

Fine in the western parts of the United Kingdom, as well as in Denmark and Scandinavia.
 Cloudy or overcast elsewhere with showers of hail or snow in the east and southeast of England.
 Snow was also reported at Belfast.
 Showers fell yesterday in many parts of western Europe, and thunder was heard at Lutetia in the afternoon.

SEA

Rather rough off the east of England as well as at Christiansund, Valonia Island and Cape Gris Nez, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since last evening a fresh fall of the barometer has commenced in the north of Scotland, so that further depressions are probably about to advance over our Islands from the northward.
 Showery unsettled weather is likely to continue in nearly all districts.

FORECASTS

For the 24 hours ending at NOON on 12th March 1891.

DISTRICTS.

FORECASTS.

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

N^W to variable breezes; unsettled, some snow.
 N^W to N^W winds, moderate or fresh; unsettled, some cold showers.

DISTRICTS.

FORECASTS.

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

N^W and N^W winds freshening; unsettled, some snow.
 N^W winds, moderate to strong; fair to unsettled & some snow.
 N^W to N^W winds, moderate or fresh; fair generally.
 Same as N^o 7.
 Same as N^o 8.

WARNINGS

The NORTH Cone has been lowered this morning in districts 0, 1 and part of 2.

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.

	THER.		WIND		WEA	SEA		THER.		WIND		WEA	SEA
	BAR.	D.	D.	F.				BAR.	D.	D.	F.		
Skudesnaes ...	29.66	38	33	NNW	6	bc	3	Holyhead ...	29.86	44	41	NNE	5
Sumburgh Head ...	29.88	38	35	N	5	csp	5	Valencia ...	29.97	52	47	NNE	4
Stornoway ...	29.07	44	39	NE	4	c	4	Scilly ...	29.79	44	41	NNE	5
Aberdeen ...	29.92	41	37	NNW	5	c	5	Jersey ...	29.79	44	40	NNE	3
Shields ...	29.83	41	37	N	4	c	6	Dungeness ...	29.73	41	38	WSW	3
Ardrossan ...	29.90	47	40	NE	2	c	1	London ...	29.73	44	39	NW	2
Malin Head ...	29.01	44	40	NNE	5	f	3	Yarmouth ...	29.69	42	35	NW	3
Mullaghmore ...	29.01	48	43	NNE	6	bcv	5	Rochefort ...	29.67	49	45	ENE	5
Belmullet ...	29.06	47	43	NNE	5	b	*						

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

Weather very variable; fine and bright in the morning over the Baltic and many parts of Scandinavia, as well as in the southwest of our Islands, the northwest of France and at several Mediterranean stations; cloudy or overcast in many other places, with snow showers on our northeast coasts, and in many parts of Germany, rain at several stations in Austria, Italy, western Algeria, and at Holyhead. Slight snow showers later over all the northern and eastern parts of the Kingdom, considerable rain at Biarritz.

Temperatures low for the time of year very generally, and decidedly lower over France and Germany than on Thursday. Morning reading exceeding 60° at Naples, Palermo and Algiers only and exceeding 50° at the more southern stations only; below 40° over the greater part of the British Islands and France, and still lower elsewhere. Lowest of all 2° at Uleaborg, 3° at Kuopio and Hango, 9° at Haparanda, 15° at Archangel and below the freezing point at the Baltic and Scandinavian stations generally. Touching 50° to 52° on our extreme southwestern coasts later, and 64° at Perpignan. Not reaching 40° over Germany and the eastern shores of the North Sea.

Wind N² over Scandinavia, Scotland and Ireland - strong at many of the Scotch and Irish stations; E² over the Bay of Biscay. W², moderate to strong, over Spain and the southeast of our Islands, SW² over the Netherlands, NW² over Germany, variable elsewhere. Veering N² in the east of England later and backing to N² in the southwest of France.

Barometer - highest 30.0 ins. and more to 29.8 ins. over the northern and western parts of the British Islands and the neighbouring parts of the Atlantic, and exceeding 29.8 ins. over the extreme southeast of Europe; lowest 29.4 ins. and less over northern and central Russia (29.3 ins. at Archangel), about 29.6 ins. over the northeast of Spain, and 29.7 ins. and less over the Riviera and Gulf of Genoa. Spanish depression moving northeastwards later to 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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 Sunday 22nd March 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.66	12	SW	2	b	29.83	+ .25	-7	-8	-6	Z	0	b	*	23	?	—
	Hernösand ...	29.82	7	Z	0	b	29.95	+ .28	5	5	-12	N	2	b	*	34	?	—
	Stockholm ...	29.71	21	N	4	bc	29.93	+ .42	18	?	-3	NE	2	b	*	32	16	—
	Wisby ...	29.57	30	E	4	c	29.75	+ .28	30	26	-1	E	6	c	*	34	27	0.04
	Bodö ...	29.70	22	E	2	c	29.79	+ .11	27	24	+8	E	2	c	1	?	18	—
	Christiansund	29.82	33	SSW	2	c	29.94	+ .17	30	29	+1	SSW	2	bc	3	34	28	—
	Skudesnaes ...	29.80	33	Z	0	o	29.95	+ .17	32	27	+3	SSE	4	b	3	38	28	—
	Christiania Fjord (Færder)	29.81	29	N	5	b	30.01	+ .40	22	19	-3	N	3	b	1	28	21	—
	Skagen (The Seaw)	29.80	27	NNE	3	b	29.96	+ .47	25	23	-1	NE	2	b	3	30	23	—
	Fanö ...	29.80	24	N	4	b	29.93	+ .43	26	24	-4	NNE	2	b	*	32	19	—
BRITISH ISLANDS.	Sumburgh Head	29.88	38	NNW	1	r	29.89	- .01	37	35	+2	Z	0	c	3	40	33	0.08
	Stornoway ...	30.01	41	NE	2	o	29.96	+ .01	40	38	-3	Z	0	o	3	47	34	—
	Wick ...	29.96	39	N	1	o	29.95	+ .02	38	36	+1	NNW	1	o	1	40	36	0.02
	Nairn ...	29.97	40	Z	0	c	29.95	+ .01	36	35	0	W	1	c	1	43	33	0.04
	Aberdeen ...	29.97	38	N	1	og	29.97	+ .02	40	36	+3	NNW	3	c	3	41	34	—
	Leith ...	29.99	42	NE	2	o	29.98	+ .01	39	37	0	W	1	b	*	42	32	—
	Shields ...	29.98	39	N	1	c	30.00	+ .11	38	36	+2	NNW	1	b	4	41	33	0.03
	Spurn Head ...	29.95	37	NNE	4	b	29.97	+ .08	36	34	0	NNW	3	cm	3	41	34	0.01
	York ...	30.03	38	NE	1	o	30.00	+ .12	37	35	+1	N	1	b	*	42	32	0.01
	Loughborough	29.97	38	NNE	3	b	30.02	+ .14	34	31	-3	NNW	2	o	*	43	31	—
GERMANY & HOLLAND.	Ardrossan ...	29.96	46	W	2	c	29.98	- .01	40	37	0	NE	1	om	1	51	37	—
	Malin Head ...	30.04	44	NW	2	bcp	30.00	- .05	41	39	-2	NE	1	o	1	47	40	0.02
	Mullaghmore ...	30.07	44	NW	3	cp	30.02	- .08	41	40	-1	NNW	1	c	2	47	37	0.03
	Belmullet ...	30.10	46	NNW	2	c	30.04	- .08	42	42	-3	S	1	b	*	48	38	0.03
	Donaghadee ...	30.00	46	NNE	2	bc	30.01	- .02	42	40	0	NNE	2	c	0	50	41	—
	Liverpool (Bidston)	30.00	40	NE	1	o	30.00	+ .05	36	34	-3	ESE	2	o	2	43	35	—
	Holyhead ...	30.01	43	N	2	cg	29.99	- .00	43	42	+2	NNW	3	og	2	45	41	—
	Parsonstown ...	30.07	46	Z	0	c	30.04	?	40	39	+10	Z	0	c	*	48	24	—
	Valencia ...	30.12	46	NNE	3	c	30.09	- .02	43	42	+1	Z	0	cm	1	50	39	0.04
	Roche's Point...	30.07	46	N	3	c	30.07	- .00	43	41	+5	N	2	c	3	49	36	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.01	41	NNE	3	bc	30.01	+ .03	43	42	+1	NW	2	cg	1	46	38	—
	Scilly ...	29.99	43	NNE	5	bc	30.04	+ .09	44	41	+1	NNE	1	c	3	45	40	—
	Prawle Point ...	29.97	38	NNW	3	bc	30.06	?	35	34	-1	ENE	1	sg	0	45	33	—
	Jersey (St. Aubin's)	29.91	42	N	4	cgm	30.05	+ .15	38	33	-2	NE	3	c	3	44	34	—
	Hurst Castle ...	29.93	39	NNE	5	bc	30.05	+ .19	31	30	-4	NNE	1	c	1	43	27	—
	Dungeness ...	29.84	38	NE	5	cps	30.00	+ .25	32	29	-3	NNE	3	bc	1	43	25	—
	London ...	29.91	37	N	2	o	30.03	+ .21	31	29	-5	WSW	1	b	*	42	24	—
	Oxford ...	30.00	32	W	2	b	30.05	+ .19	31	30	-4	W	1	o	*	43	27	0.01
	Cambridge ...	29.94	35	N	2	b	30.03	+ .21	31	30	-5	NNW	1	o	*	43	22	0.10
	Yarmouth ...	29.87	35	NE	6	bcp	29.96	+ .22	33	32	-4	NNW	3	cf	4	38	26	0.03
PENIN- SULA.	Cuxhaven ...	29.69	30	N	5	b	29.88	+ .32	29	27	-3	NNE	4	b	*	34	26	—
	Berlin ...	29.60	32	NNW	3	b	29.77	+ .26	29	28	-3	NW	3	c	*	36	27	—
	Wiesbaden ...	*	*	*	*	*	29.84	+ .24	27	25	-6	NNW	4	b	*	43	25	—
	Munich ...	29.59	29	Z	0	o	29.67	+ .19	28	?	-4	SE	2	s	*	37	27	0.20
	The Helder ...	29.87	33	NNE	3	c	29.96	+ .33	33	31	-2	E	1	b	1	37	32	0.04
	Brussels (S.a.m.)	*	*	*	*	*	29.97	+ .28	31	27	+1	NNW	3	b	*	42	26	0.04
	Cape Gris Nez	29.82	35	SW	2	bc	29.99	+ .26	31	30	-4	SW	2	b	2	41	28	—
	Paris ...	29.78	37	N	2	c	29.96	+ .23	30	27	-5	NE	2	c	*	?	28	—
	Brest ...	29.97	43	E	3	o	30.05	+ .21	35	33	-2	E	1	b	1	43	32	—
	Lorient ...	29.91	41	NNE	3	o	30.00	+ .19	36	33	-3	NNE	2	b	2	43	36	—
FRANCE AND BELGIUM.	Roche fort ...	29.91	42	N	4	c	29.94	+ .22	35	31	-3	NE	5	b	?	50	25	—
	Belfort ...	?	33	E	2	r	?	?	29	?	-5	E	2	c	*	42	25	—
	Lyons ...	29.69	34	NNW	2	s	29.77	+ .18	32	29	+1	N	3	o	*	34	31	0.20
	Nice ...	29.45	45	W	4	bc	29.44	- .04	34	33	-12	S	3	c	1	59	32	—
	Perpignan ...	29.65	43	W	5	o	29.82	+ .27	39	34	-9	W	4	b	*	58	37	—
	Biarritz ...	29.81	46	N	3	c	29.87	+ .20	39	37	-8	Z	0	o	2	50	36	—
	Corunna ...	*	*	*	*	*	29.87	+ .11	48	42	-2	NE	5	b	4	50	41	0.08
	Lisbon ...	29.80	51	NNW	3	bc	29.75	- .05	48	47	-2	E	3	o	?	59	46	0.08

WEATHER CHARTS

for 8 a.m. on Sunday, 22nd March, 1891.

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.

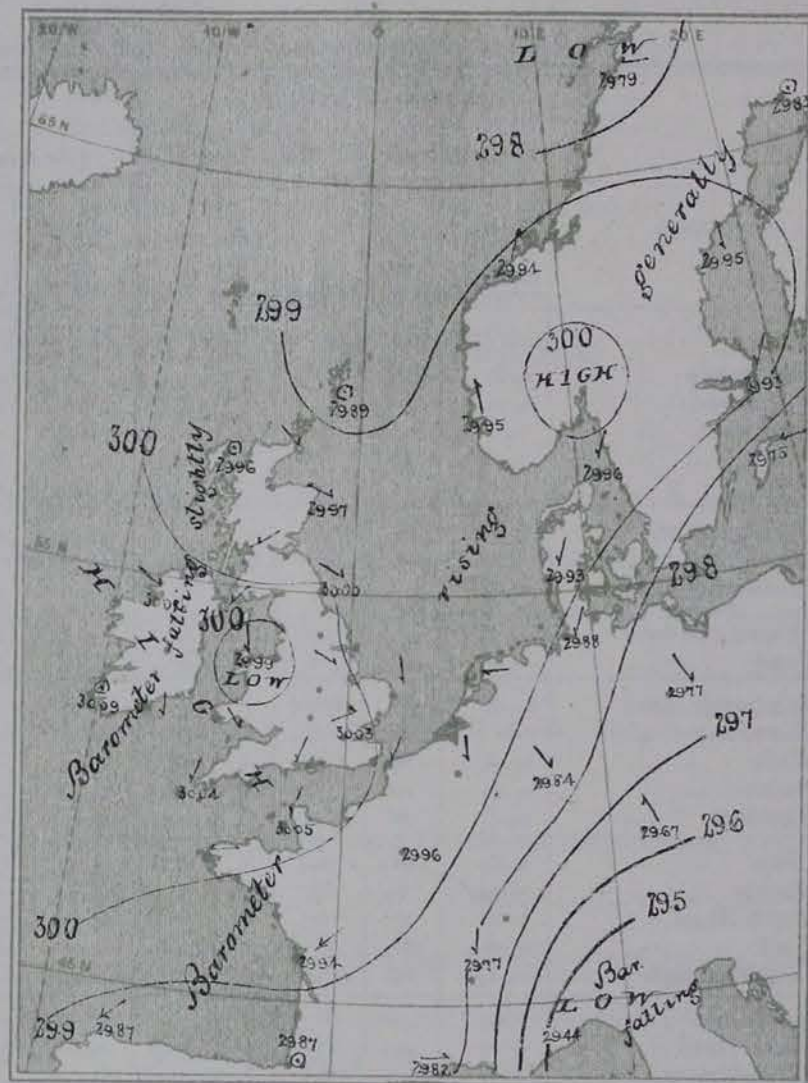
SEA DISTURBANCE—Where considerable, is shown thus:

⊞ = 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	29.874
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	29.991
Hurst Castle	29.954
Dover	29.933
LONDON	29.959
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.

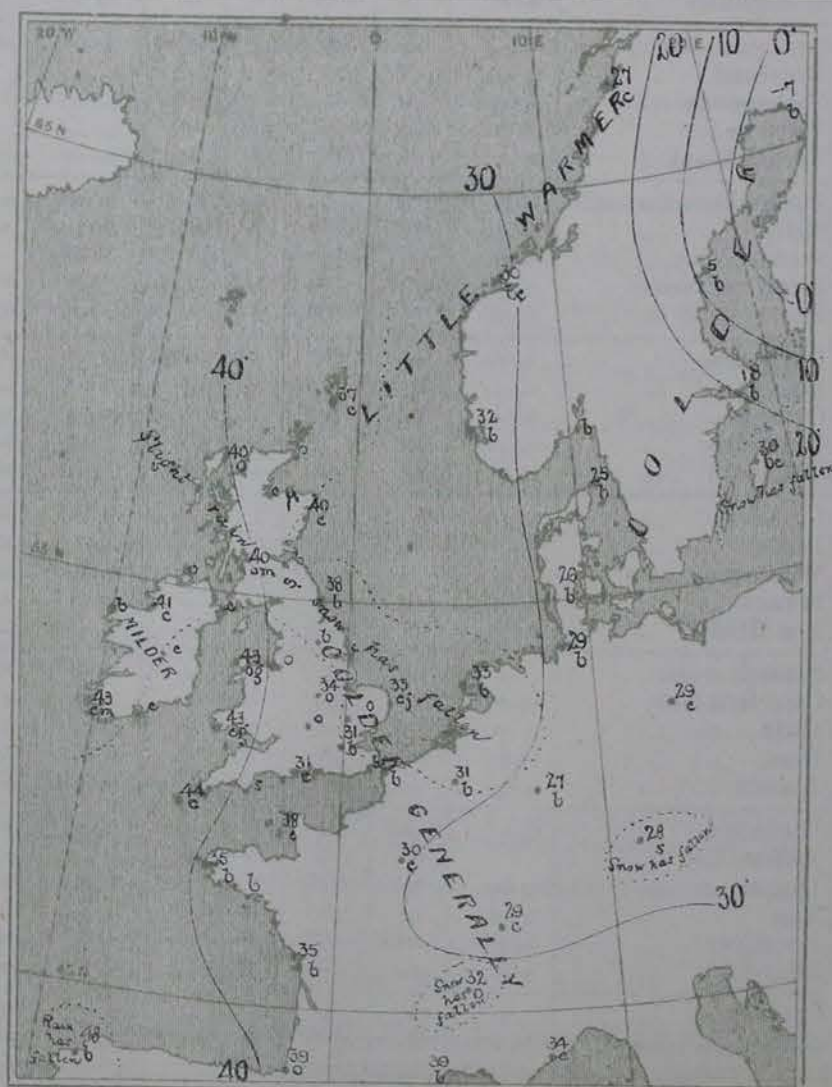
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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.....	45.1	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	38.1	1.22
York.....	48.1	34.0	38.5	37.0	1.73
Loughborough.....	48.5	34.2	39.0	37.3	1.64
Ardrossan.....	46.3	38.3	40.1	38.6	2.44
Mullaghmore.....	47.9	38.4	41.9	40.2	2.61
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.....	40.8	35.0	40.4	38.8	2.33
Valencia.....	51.1	40.2	41.9	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
Sally.....	49.5	42.5	45.0	44.2	2.40
Prawle Point.....	48.1	37.7	42.6	41.2	1.95
Jersey.....	40.5	39.9	44.0	42.0	2.33
Hurst Castle.....	47.8	37.2	41.0	40.1	1.84
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	1.69
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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and upwards, over the greater part of Ireland, England, and also over the south of Norway.
Lowest, 29.5 ins: and less, in a depression lying over the Gulf of Genoa; 29.8 ins: and less, in a shallow anticyclone over the north-west of Norway.
Gradients slight generally, but moderate over the south of France.
Barometer falling a little in the west and north of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 48° at Courmes and Lisbon, 44° at Bally, and 43° at Holyhead, Valencia Island, Hooker Point and Vembekke.
Lowest, -7° F. at Haparanda, +5° at Haparand, 17° at Stockholm, 22° at Kiers, 25° at Ragn, and 26° at Paris.
 Sharp frost occurred last night over the inland parts of England; at Cambridge the sheltered thermometer fell to 22° and in London to 24°. On the grass in London it fell to 15°.

WIND

Light from the NWth over the greater part of the United Kingdom and from the Nth or NEth at most of the Continental stations but S in the west of Norway.
 In the north-west of our Islands the wind is somewhat variable.

WEATHER

Fine in most parts of Western Europe, but dull in the extreme north and north-west of our Islands, as well as over central England. Snow is falling at Munich.
 Showers of snow, hail, or sleet fell yesterday, in nearly all parts of Great Britain.

SEA

Moderate off the east of England, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 23rd March 1891.

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

FORECASTS.

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 S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.82	38	31	NNW	4	bc	3	Holyhead ...	30.01	45	41	N	3	bc	2
Sumburgh Head ...	29.90	38	36	NNW	1	c	4	Valencia ...	30.12	49	44	N	4	bc	4
Stornoway ...	29.99	42	41	NE	2	bc	3	Scilly ...	29.97	44	42	NNE	5	bc	4
Aberdeen ...	29.96	40	37	ESE	1	og	4	Jersey ...	29.85	43	38	NNW	4	bc	3
Shields ...	29.46	40	36	N	4	o	6	Dungeness ...	29.78	38	36	NE	5	sfy	3
Ardrossan ...	29.97	49	45	W	2	c	1	London ...	29.86	40	37	NNW	3	orsp	2
Malin Head ...	30.02	45	44	NNW	3	o	2	Yarmouth ...	29.79	38	35	NNE	5	ogshp	2
Mullaghmore ...	30.08	46	43	NNW	3	opv	2	Rocheport ...	29.79	47	42	N	4	o	2
Belmullet ...	30.11	48	43	NNW	1	o	*								

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

Weather in morning fair generally over the western parts of the United Kingdom and Spain, in Algeria, and southeastern Europe, changeable elsewhere, with snow or "grape" showers at several of the English stations, in the east of France, and at Wiesbaden, heavy rain at Trieste and Turin. Snow showers slight on the eastern shores of the North Sea and over many parts of our Islands during day, and rain over Austria and Italy, but rainfall considerable at Trieste.

Temperature low generally except in the far south. Morning readings exceeding 50° on the western, southern, and eastern shores of the Mediterranean, and exceeding 60° at Brindisi, Malta, and Latakia; much lower elsewhere. Below 40° except at the Atlantic and Irish Sea stations, and as low as -8° at Archangel, -1° at Haparanda and Kiofio, +8° at St. Petersburg, and below the freezing-point over all the northern and central parts of Russia, as well as over the greater part of Germany. Rising somewhat (to above 40°) over northwestern Europe later, to between 50° and 60° in the south of France, and to 70° and more over Algeria and the south of Italy.

Winds N³ (NW to NE) over western Europe as a whole, and blowing strongly over the Skagerrak and North Sea, freshly over England and the Channel, very variable over northern, eastern, and central Europe, but mainly S³ over the Baltic Provinces and southern Russia. Cyclonic circulation of fresh winds over the south of France and Gulf of Genoa. S³ wind becoming strong over north of Italy later, but N³ wind beginning to moderate over the North Sea and England.

Barometer highest 30.1 ins. and more to 29.9 ins. over all the western parts of our Islands and neighbouring parts of the Atlantic; exceeding 29.9 ins. over western Algeria, and exceeding 29.8 ins. over the Black Sea and southern Russia. Lowest 29.4 ins. and less, over the northeast of Russia, and 29.5 ins. and less, in two depressions — one over the Baltic, the south of Sweden, and northwest Germany, the other over the Gulf of Genoa and southeast of France. Rising over northern, falling over Central Europe later. Movements of depressions doubtful.

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.

The evening observations are taken at 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Monday, 23rd March,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.		
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ...	29.94	-5	S	2	b	29.97	+14	3	2	+10	S	2	0	*	18	-13	-
	Hernösand ...	30.01	22	L	0	c	30.05	+10	13	12	+8	L	0	0	*	39	-2	-
	Stockholm ...	30.08	19	L	0	b	30.15	+22	19	17	+1	L	0	0	*	27	10	-
	Wishby ...	29.95	24	NNE	4	b	30.08	+33	28	24	-2	NE	4	0	*	32	23	-
	Bodö ...	29.86	28	NE	2	S	29.77	-02	30	29	+3	NE	2	0	*	30	25	-
	Christiansund ...	29.97	33	SW	2	b	29.86	-08	35	33	+5	SE	2	0	2	36	?	-
	Skudesnaes ...	30.08	33	S	5	b	30.06	+11	33	30	+1	SSE	4	0	3	37	30	-
	Christiania Fjord (Færdø)	30.08	31	NNE	2	b	30.11	+10	27	24	+5	L	0	0	1	30	25	-
	Skagen (The Scaw)	30.07	25	NNE	1	b	30.14	+18	27	22	+2	L	0	0	0	30	21	-
	Fanö ...	30.10	23	NE	2	b	30.11	+18	27	26	+1	NE	1	0	*	32	21	-
BRITISH ISLANDS.	Sumburgh Head	29.87	40	SSE	1	0	29.68	-21	42	38	+5	S	3	0	3	45	36	-
	Stornoway ...	29.88	43	N	4	0	29.66	-30	42	41	+2	W	4	0	4	45	38	0.04
	Wick ...	29.73	38	NW	2	b	29.70	-25	40	38	+2	S	4	0	2	47	37	-
	Nairn ...	29.89	43	L	0	b	29.74	-21	39	37	+3	L	0	0	1	46	36	-
	Aberdeen ...	29.96	40	SSE	2	c	29.82	-15	40	37	0	SSW	3	0	2	47	38	-
	Leith ...	29.95	42	SE	1	b	29.86	-12	42	38	+3	SEW	2	0	*	49	32	-
	Shields ...	29.97	40	NE	2	b	29.95	-05	38	36	0	SW	2	0	3	46	36	-
	Spurn Head ...	29.98	40	L	0	c	30.03	+06	35	33	-1	S	5	0	4	44	34	0.01
	York ...	29.98	44	E	1	b	30.01	+01	36	34	-1	SE	3	0	*	50	31	-
	Loughborough	30.01	41	W	2	c	30.04	+02	32	31	-2	ESE	1	0	*	48	30	-
GERMANY & HOLLAND.	Ardrossan ...	29.95	42	S	2	0	29.86	-12	43	42	+3	SSW	3	0	2	45	37	-
	Malin Head ...	29.94	42	S	1	0	29.85	-15	42	41	+1	W	3	0	1	44	40	0.07
	Mullaghmore ...	29.97	45	NW	4	c	29.92	-10	43	42	+2	NW	4	0	2	48	39	0.02
	Belmullet ...	29.99	47	NW	2	0	29.94	-10	44	42	+2	W	2	0	*	48	40	0.12
	Donaghadee ...	29.97	44	S	2	b	29.91	-10	42	41	0	SW	3	0	1	47	41	-
	Liverpool (Bidston)	29.99	40	SE	1	b	29.99	-01	33	32	-3	SE	2	0	2	48	30	-
	Holyhead ...	29.97	44	NW	1	c	29.96	-03	42	42	-1	SSW	1	0	1	48	39	-
	Parsonstown ...	29.98	47	L	0	c	29.97	-07	41	40	+1	L	0	0	*	48	38	-
	Valencia ...	30.04	47	NW	1	b	30.03	-06	45	44	+2	NW	1	0	1	51	40	0.05
	Roche's Point...	30.01	47	NNW	2	c	30.03	-04	44	41	+1	NNW	2	0	3	49	40	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.99	44	NW	2	c	29.99	-02	40	40	-3	ESE	3	0	2	48	39	0.01
	Scilly ...	30.02	45	NW	4	c	29.99	-05	45	43	+1	SW	1	0	3	46	41	0.01
	Prawle Point ...	30.01	39	W	2	0	30.03	-03	40	39	+5	S	3	0	2	40	33	-
	Jersey (St. Aubin's)	30.03	40	NW	3	c	30.06	+01	36	34	-2	NW	1	0	1	46	31	-
	Hurst Castle ...	30.03	37	ESE	2	c	30.07	+02	32	31	+1	NE	2	0	0	40	26	-
	Dungeneys ...	29.97	44	SW	3	c	30.07	+07	35	30	+3	ESE	3	0	2	44	31	-
	London ...	29.97	41	NW	1	c	30.07	+04	35	32	+4	SSE	2	0	*	43	31	-
	Oxford ...	30.05	33	W	1	0	30.06	+01	31	30	0	SW	1	0	*	43	27	-
	Cambridge ...	30.02	38	W	1	0	30.08	+05	36	30	+5	SE	1	0	*	48	29	0.02
	Yarmouth ...	29.97	37	ESE	3	c	30.08	+12	33	30	0	SE	3	0	3	39	30	-
GERMANY & HOLLAND.	Cuxhaven ...	29.96	32	NE	3	b	30.09	+21	32	30	+3	ESE	2	0	*	32	29	-
	Berlin ...	29.91	30	NW	3	S	30.03	+26	30	28	+1	NE	3	0	*	36	28	-
	Wiesbaden ...	*	*	*	*	*	29.99	+15	30	29	+3	NE	2	0	*	36	27	-
	Munich ...	29.74	29	NE	4	S	29.82	+15	25	25	-3	NE	5	0	*	34	23	0.08
	The Helder ...	30.05	32	ESE	2	b	30.12	+16	31	29	-2	E	1	0	2	36	30	-
	Brussels (O.A.M.)	*	*	*	*	*	30.07	+10	27	26	-4	NE	1	0	*	39	23	-
	Cape Gris Nez	29.97	37	NE	2	c	30.04	+05	28	26	-3	ESE	3	0	2	43	25	-
	Paris ...	29.97	35	NE	2	b	30.03	+07	26	26	-4	NNE	2	0	*	42	24	-
	Brest ...	30.10	42	N	2	0	29.98	-07	42	41	+1	S	2	0	2	46	35	-
	Lorient ...	30.02	41	NE	3	0	30.05	+05	36	34	0	ESE	1	0	2	45	36	-
FRANCE AND BELGIUM.	Rochefort ...	29.99	41	NE	5	b	30.03	+09	36	32	+1	NW	3	0	*	50	23	-
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Lyons ...	29.81	32	NW	1	c	29.88	+11	27	24	-5	NW	3	0	*	38	26	-
	Nice ...	29.47	44	NE	4	c	29.84	+10	36	34	+2	SW	5	0	*	50	34	-
	Perpignan ...	29.78	40	NW	5	b	29.94	+32	34	29	-5	NW	3	0	*	49	32	-
	Biarritz ...	29.93	42	N	3	0	30.04	+17	33	28	-6	ESE	3	0	2	48	28	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Lisbon ...	29.75	50	NE	4	S	29.84	+09	48	44	0	NNE	4	0	3	52	46	0.20

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 23rd March, 1891.

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.

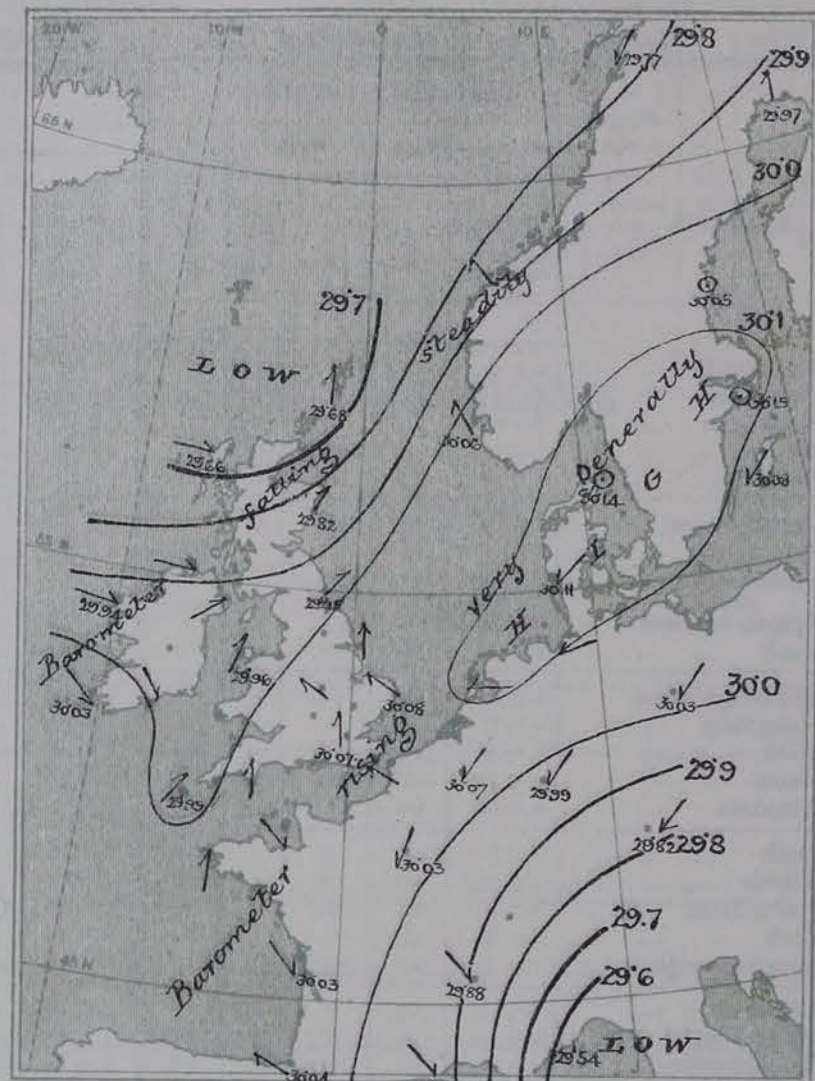
SEA DISTURBANCE—Where considerable, is shown thus:

≡ = 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
Ardsossan	29.865
Mullaghmore	29.874
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roches'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.

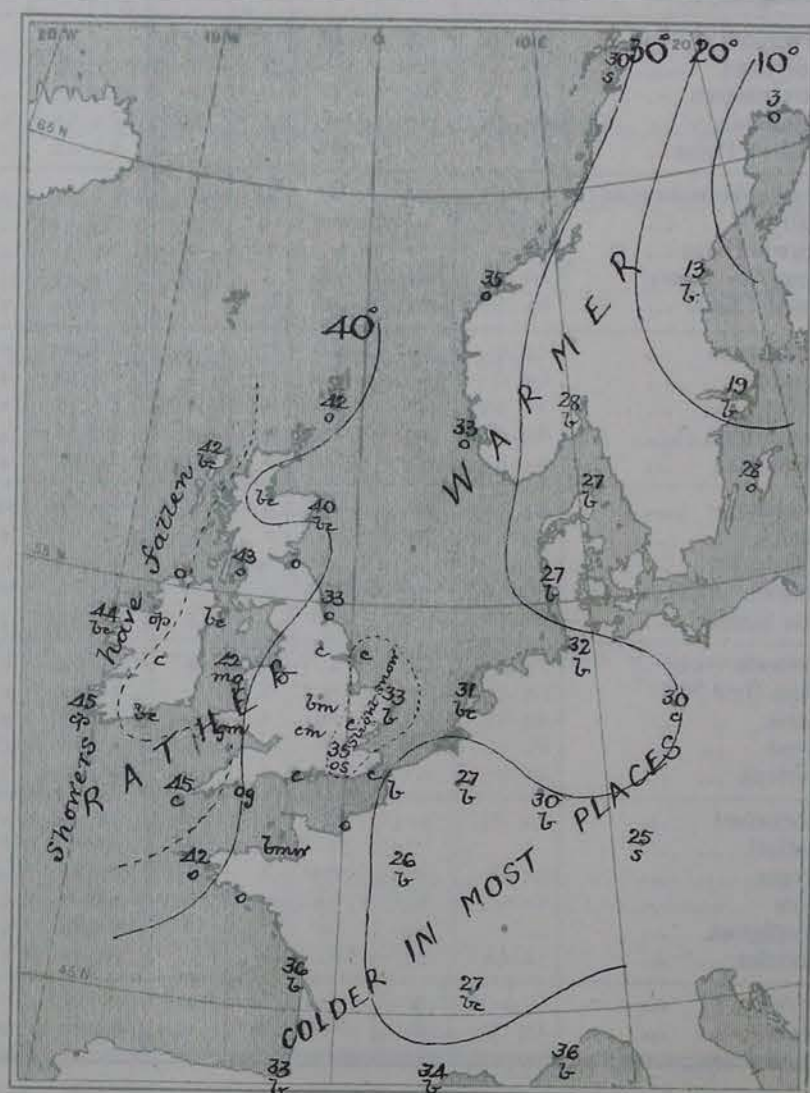
WEATHER—is shown by Letters of the Beaufort Scale.

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.	Dry. at 8 a.m.	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	47.9	34.6	39.5	37.7	1.41
Shields	45.0	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	40.5	31.2	39.0	37.3	1.64
Ardsossan	40.3	33.3	40.1	38.5	2.44
Mullaghmore	47.9	38.4	41.0	40.2	2.61
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	44.0	42.8	4.20
Roches's Point	49.7	39.6	43.3	41.5	3.71
Pembroke	48.6	39.1	42.1	40.3	2.40
Scilly	49.5	42.5	44.0	44.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.05
Jersey	40.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
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	34.0	38.9	37.4	1.59
Cambridge	50.2	33.0	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and upwards, over Denmark, the south of Sweden and the southern parts of the North Sea.
Lowest, 29.6 in: and less, in a depression lying over the Gulf of Genoa; 29.7 and less, in another disturbance lying off the north of Scotland.
Gradients moderate over the south of France and the northern parts of the North Sea, but slight elsewhere.

TEMPERATURE

Barometer falling in the west and north of our Islands, and also in the west of Norway, but rising elsewhere.
Highest, 48° at Fife, 45° at Valentia Island and Bally, 44° at Balmuccia and Rocher Point, and 45° at Malbegmore.
Lowest, 3° at Napavanda, 13° at Hennesand, 19° at Stockholm, 27° at Riga and Tams, and 28° at Nisy and Tander.
Sharp frost again occurred last night over the inland part of England.

WIND

Light or moderate from between S. and W. over the northern parts of the United Kingdom, and from the SE^W over the east and southeast of England and the west of Norway.
Light from the NE^W over Germany and the Netherlands, and from the N^W at most of the French stations.

WEATHER

Fair over the greater part of Western Europe, but dull at some of the English and Irish stations, as well as in the west of Norway.
Showers of rain are falling in some parts of Ireland and slight snow in London. Snow is also reported at Christiansund and Munich.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the depression off the north of Scotland a shallow secondary disturbance is lying over the Bristol Channel. The latter system may possibly occasion a little snow at some of the English stations.

FORECASTS

For the 24 hours ending at NOON on 24TH March 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SW^W winds, freshening; dull, some rain.
SW^W winds, moderate; fair to cloudy with some rain or sleet.
Light breezes, chiefly SE^W; fair generally, but slight snow showers.

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

SW^W winds, light; cloudy, some showers.
Light breezes, chiefly SW^W; fair generally, but local showers.
Same as No. 0.
NW^W to SW^W winds, light or moderate; changeable, some showers.

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		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.05	37	30	SSE	6	6	3		Holyhead ...	29.98	47	45	HW	1	1
Sumburgh Head ...									Valencia ...						
Stornoway ...	29.92	45	42	W	2	0	3		Scilly ...						
Aberdeen ...									Jersey ...	30.04	41	35	HW	3	3
Shields ...									Dungeness ...	29.97	44	38	HW	2	1
Ardrossan ...									London ...						*
Malin Head ...	29.98	44	41	ESE	2	60	1		Yarmouth ...						
Mullaghmore ...									Rocheport ...		88	34	HW	5	*
Belmullet ...	30.01	46	43	W	1	0	*								

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

Weather in morning fine over northwestern and northern Europe generally and in most places clear and bright, much less fair in the east and south. Snow falling over central Russia and the Baltic provinces as well as in Austria, rain at Lemberg, Turin and Sanguinaria and the sky cloudy and unsettled over the southern parts of the Mediterranean generally. Slight rain or snow at several of our northwestern and western stations later, also at Cambridge and Munich.

Temperature low generally. Morning readings exceeding 60° at Brindisi and Palermo only; below 50° on the Portuguese coast and the west and southwest of our Islands; below 40° over the other parts of western Europe and below the freezing point in many places. Lowest -7°F. at Haparanda, 0° at Kuopio and below 10° over the north of Sweden, Finland and northern Russia. Frost prevailing over many parts of Central Europe, France and England and thermometer as low as 34° at Nice, 38° at Perpignan. Some recovery over our Islands later (especially in N) but weather very cold for the time of year in most places.

Winds mainly N^W (NW to NE) over northwestern, western and central Europe, but light and variable in several localities. Strong NW^W (mistral) over the south of France, W^W in Corsica, S^W over northern Italy, light S^W over Russia also and in Algeria. Backing to W^W in the north of Scotland later and varying much over England. No great change elsewhere.

Barometer (1) highest 30.0 ins. and more to 29.9 ins. over the British Islands, North Sea, the south of Scandinavia and north of France; (2) 30.6 to 29.8 ins. over Central Russia. Lowest 29.5 ins. and less in a depression over the Riviera and Gulf of Genoa, and in another over Hungary; 29.7 ins. and less in a third over the North Sea, and less low in several other local systems over Norway and the British Islands. Falling a little in the north and west of our Islands later, changing irregularly elsewhere.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 15TH TO 21ST MARCH 1891.

The weather of last week was generally cold and inclement with frequent rain during the early part of the time and snow showers towards the close of the period.

At the commencement of the week the centre of a deep depression which had advanced suddenly from the north-westward lay off the northwest of Ireland, and strong winds or gales were experienced on most coasts, - from the S^W in the west and south, but from the S^W in the north. Heavy rain fell in many parts of our western districts and also in the north of England on the 15th, while on the following day a large amount (1.6 in) of a peculiarly local character was registered at Leith. On the night of the 15th the depression in the northwest travelled southwards along the west of Ireland while in the course of the two following days it moved slowly south-eastward over the Bay of Biscay and gradually filled up. The wind therefore shifted to the eastward in most parts of the United Kingdom with cold showers in many places.

On the 18th a decided anticyclone had appeared over the north of our Islands, its central portion ultimately moving away to our extreme west coasts where it remained until the close of the week. A large depression now travelled southwards from Lapland to the Baltic and central Europe, and in its rear numerous small secondary disturbances advanced over our Islands and the North Sea from the N^W. N^W winds now set in over nearly the whole of western Europe, blowing strongly at times on the more exposed parts of our coasts, and showers of hail or snow were frequent over Great Britain. On the 20th thunder was heard at Lutterworth.

Temperature has been upon the whole considerably below the average for the time of year. Over Great Britain the daily maxima have seldom reached 50° and in many cases the thermometer has failed to rise to 45°. Frost occurred at many of the inland stations at the beginning and close of the week.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 Tuesday 24th March.

1891.

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

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM :	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 1.)	SHADE TEMP.		Amount of Rainfall.	
				Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.		
		Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)	Weather.	Sea. (0 to 1.)	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.93	12	2	0	b	29.93	-0.04	17	16	+1.4	S	2	0	*	2.3	7	—	
	Hernösand ...	29.95	24	2	0	b	29.89	-0.16	24	22	+1.1	SW	2	0	*	3.9	7	—	
	Stockholm ...	30.11	22	2	0	b	30.11	-0.04	23	21	+4	E	0	0	*	3.6	10	—	
	Wisby ...	30.09	22	NE	4	b	30.04	-0.04	26	23	-2	E	2	0	*	2.1	15	—	
	Bodö ...	29.73	32	E	2	c	29.56	-0.21	30	26	0	ENE	2	0	1	3.9	2.4	—	
	Christiansund ...	29.68	38	S	4	c	29.45	-0.41	37	33	+2	E	3	0	0	3.5	3.6	—	
	Skudesnaes ...	29.90	31	ENE	0	o	29.59	-0.47	34	33	+1	ENE	0	0	7	3.6	?	—	
	Christiania Fjord (Færd)	30.01	30	SW	3	b	29.87	-0.24	31	29	+4	W	3	0	3	?	?	—	
	Skagen (The Seaw)	29.63	27	S	2	b	29.93	-0.21	28	26	+1	SW	3	0	2	3.6	2.7	—	
	Fanö ...	30.06	25	2	0	b	29.93	-0.13	32	31	+5	ENE	5	0	*	3.2	2.3	—	
BRITISH ISLANDS.	Sumburgh Head	29.53	35	W	3	o	29.27	-0.41	35	33	-7	W	4	0	5	4.4	3.4	0.15	
	Stornoway ...	29.52	36	NW	5	s	29.40	-0.26	35	34	-7	W	3	0	3	4.5	3.1	0.05	
	Wick ...	29.53	38	NW	1	b	29.40	-0.30	34	33	-6	NW	2	0	2	4.4	3.2	0.10	
	Nairn ...	29.60	37	2	0	p	29.46	-0.23	37	35	-2	SW	2	0	1	5.1	3.3	0.13	
	Aberdeen ...	29.66	44	SW	3	b	29.53	-0.29	38	34	-2	SW	3	0	3	4.7	3.4	—	
	Leith ...	29.73	42	SW	2	c	29.59	-0.27	40	38	-2	SW	2	0	*	4.9	3.5	0.01	
	Shields ...	29.83	44	SW	2	c	29.68	-0.27	41	39	+3	W	3	0	2	4.5	3.5	—	
	Spurn Head ...	29.91	41	S	4	o	29.77	-0.26	40	39	+5	SW	4	0	4	4.2	3.5	—	
	York ...	29.91	44	S	1	o	29.75	-0.26	42	40	+6	SW	2	0	*	4.4	3.4	—	
	Loughborough	29.96	43	SW	3	o	29.84	-0.20	41	39	+9	SW	4	0	*	5.1	3.2	—	
GERMANY & HOLLAND.	Ardrossan ...	29.76	43	W	4	b	29.62	-0.24	42	40	-1	W	4	0	3	4.5	3.4	0.11	
	Malin Head ...	29.73	43	W	5	c	29.60	-0.25	41	40	-1	SW	5	0	4	4.4	3.4	0.20	
	Mullaghmore ...	29.83	42	W	5	c	29.70	-0.22	43	41	0	SW	5	0	4	4.4	4.0	0.03	
	Belmullet ...	29.85	45	W	5	o	29.70	-0.24	46	44	+2	W	5	0	*	4.4	4.0	0.19	
	Donaghadee ...	29.86	46	NW	1	b	29.71	-0.20	40	39	-2	W	4	0	2	5.1	3.4	—	
	Liverpool (Bidston)	29.90	44	W	2	c	29.79	-0.20	43	40	+10	W	3	0	4	4.5	3.3	—	
	Holyhead ...	29.89	44	SW	3	c	29.78	-0.17	44	42	+2	W	3	0	2	4.9	4.1	—	
	Parsonstown ...	29.92	45	2	0	c	29.81	-0.16	43	42	+2	SW	1	0	*	5.2	3.7	0.03	
	Valencia ...	30.02	47	W	3	c	29.90	-0.13	47	46	+2	W	2	0	3	5.2	4.2	0.19	
	Roche's Point...	30.00	44	NW	4	b	29.91	-0.12	44	42	0	W	3	0	3	5.0	4.0	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.97	44	S	3	c	29.84	-0.11	45	44	+5	W	4	0	4	4.4	4.0	0.02	
	Scilly ...	30.02	46	W	3	c	29.97	-0.02	46	44	+1	W	4	0	4	4.9	4.2	0.04	
	Prawle Point ...	30.02	42	SW	2	p	29.95	-0.08	44	43	+4	W	3	0	2	4.4	3.8	0.01	
	Jersey (St. Aubin's)	30.05	43	ENE	1	b	30.00	-0.06	44	42	+4	W	4	0	3	4.7	3.4	0.01	
	Hurst Castle ...	30.04	40	SW	2	c	29.95	-0.12	42	41	+10	W	3	0	1	4.4	3.1	0.03	
	Dungeness ...	30.08	35	ENE	2	b	29.94	-0.13	40	39	+5	SW	3	0	2	4.0	3.3	—	
	London ...	30.02	38	S	2	b	29.90	-0.17	44	40	+9	W	2	0	*	4.4	3.3	—	
	Oxford ...	30.00	35	W	4	o	29.90	-0.16	35	34	+4	W	2	0	*	4.7	3.1	—	
	Cambridge ...	30.00	36	ENE	2	b	29.87	-0.21	42	40	+6	SW	2	0	*	4.4	3.1	—	
	Yarmouth ...	30.03	33	S	4	b	29.87	-0.21	36	35	+3	W	3	0	3	3.6	3.0	—	
GERMANY & HOLLAND.	Cuxhaven ...	30.11	33	N	2	b	30.04	-0.05	29	27	-3	SW	2	0	*	3.3	2.6	—	
	Berlin ...	30.06	34	NE	2	c	30.06	+0.03	29	28	-1	NW	2	0	*	3.4	2.7	—	
	Wiesbaden ...	*	*	*	*	*	30.06	+0.07	27	26	-3	2	0	0	*	3.9	2.3	—	
	Munich ...	29.90	27	NE	3	a	29.97	+0.17	24	24	-1	NW	2	0	*	3.2	1.9	0.01	
	The Helder ...	30.07	31	S	1	b	29.94	-0.13	30	28	-1	S	2	0	2	3.6	2.7	—	
	Brussels (9 a.m.)	*	*	*	*	*	30.03	-0.04	31	29	+4	S	2	0	*	3.9	2.7	—	
	Cape Gris Nez	30.04	32	ENE	1	b	29.96	-0.08	34	33	+6	S	4	0	4	4.1	2.7	—	
	Paris ...	30.05	36	NE	1	b	30.04	+0.05	27	26	+1	S	1	0	*	4.2	2.3	—	
	Brest ...	30.07	44	SW	1	o	30.04	+0.10	45	41	+3	NW	2	0	2	4.4	3.9	—	
	Lorient ...	30.07	40	SW	1	o	30.05	0.00	43	41	+7	SW	1	0	2	4.3	3.6	—	
FRANCE AND BELGIUM.	Rochefort ...	30.05	44	W	3	c	30.05	+0.06	41	39	+5	SW	3	0	*	4.4	3.0	—	
	Belfort ...	29.97	38	N	2	b	29.97	?	27	27	?	N	2	0	*	3.4	2.1	—	
	Lyons ...	29.97	32	N	3	c	30.04	+0.20	29	26	+2	NW	3	0	*	3.4	2.4	—	
	Nice ...	29.97	38	NE	4	c	29.80	+0.26	37	33	+1	NE	4	0	2	4.5	3.4	—	
	Perpignan ...	29.97	39	NW	5	b	30.03	+0.09	41	34	+7	NW	4	0	*	4.5	?	—	
	Biarritz ...	30.09	44	NW	3	b	30.11	+0.07	41	35	+4	SW	2	0	1	4.4	?	—	
	Corunna ...	30.01	49	N	5	b	30.16	+0.32	45	37	-3	N	4	0	2	5.7	4.3	—	
	Lisbon ...	30.01	49	N	5	b	30.16	+0.32	45	37	-3	N	4	0	2	5.7	4.3	—	
	Porto ...	30.01	49	N	5	b	30.16	+0.32	45	37	-3	N	4	0	2	5.7	4.3	—	
	Madrid ...	30.01	49	N	5	b	30.16	+0.32	45	37	-3	N	4	0	2	5.7	4.3	—	

WEATHER CHARTS

for 8 a.m. on Tuesday, 24th March, 1891.

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:

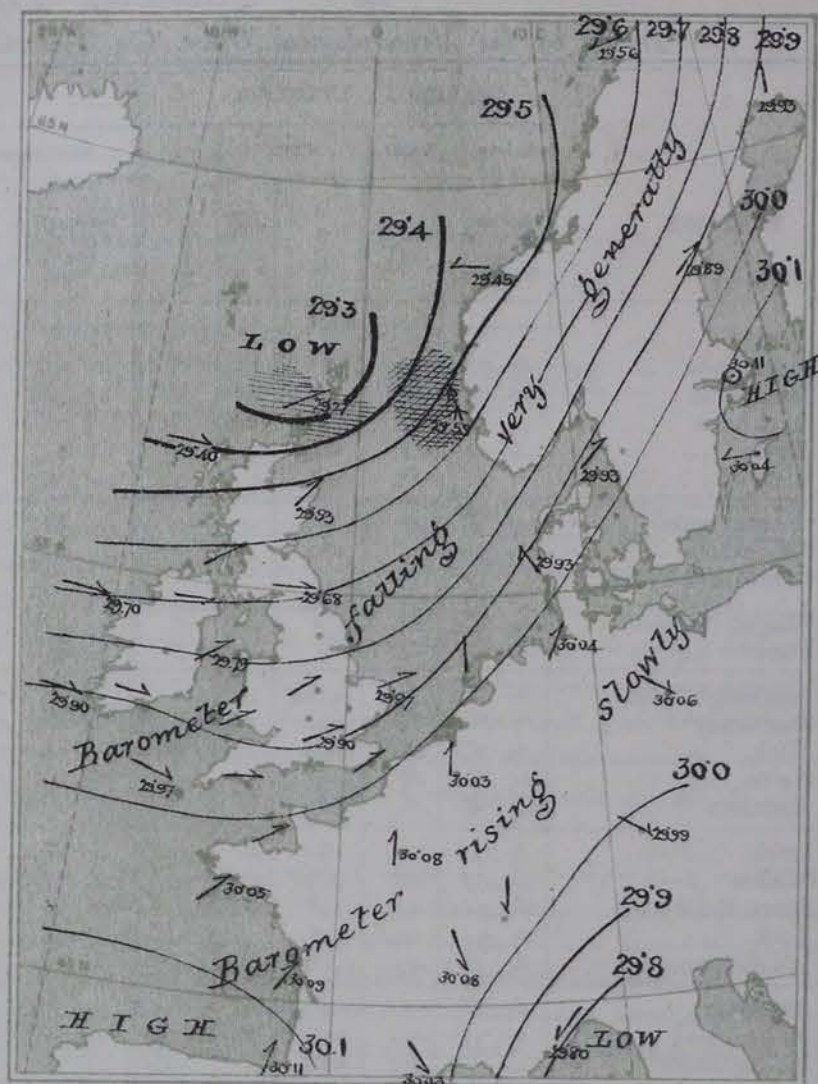
→ = Rough. → = High.

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	29.874
Donaghadee	29.883
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roches Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.965
Jersey	29.981
Hurst Castle	29.954
Dover	29.933
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.

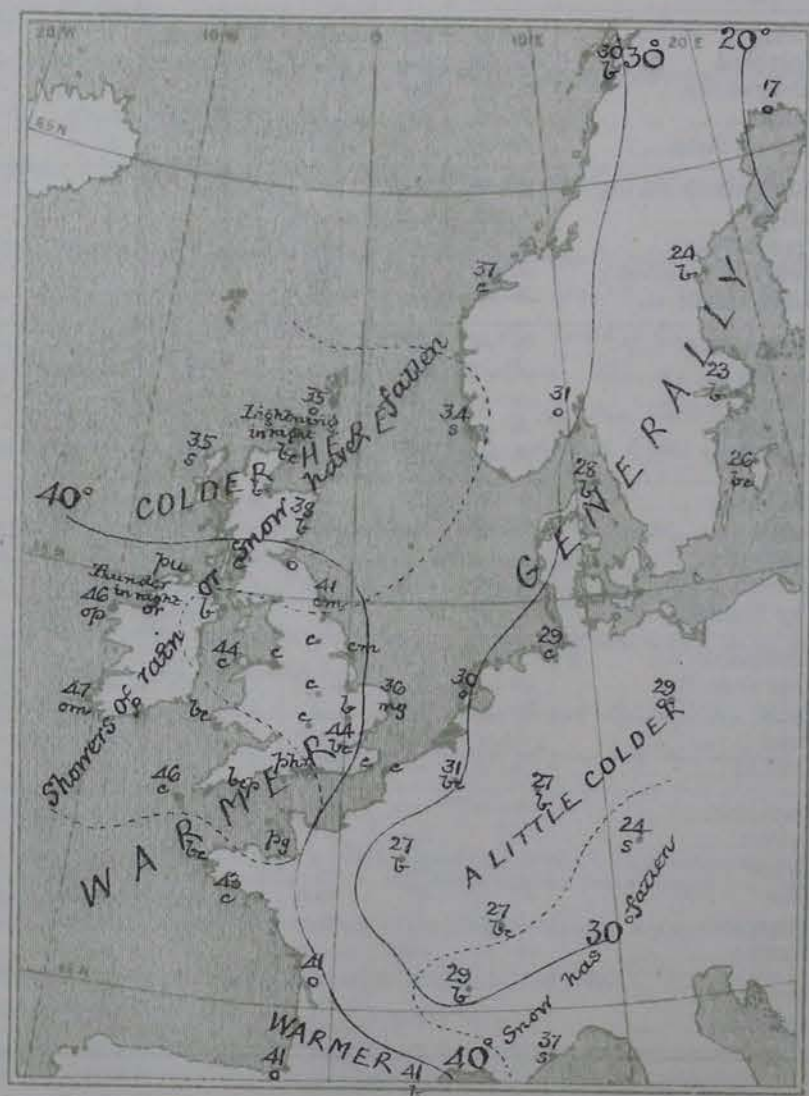
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	41.9	34.5	39.1	38.1	3.79
Wick.....	41.8	34.0	39.0	37.2	2.02
Nairn.....	43.0	33.0	38.0	36.2	1.08
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
Sour Head.....	44.7	36.6	39.7	38.4	1.22
York.....	48.1	34.0	38.5	37.0	1.73
Loughborough.....	43.5	34.2	39.0	37.3	1.64
Ardrossan.....	40.3	33.3	40.1	38.5	2.14
Mullaghmore.....	47.9	38.4	41.0	40.2	2.61
Donaghadee.....	47.2	37.1	40.8	39.5	2.03
Holyhead.....	47.2	38.9	42.0	40.5	2.27
Liverpool.....	47.0	36.8	40.3	38.2	1.72
Parsonstown.....	40.8	35.0	40.4	38.8	2.33
Valencia.....	51.1	40.2	44.0	42.8	4.20
Roches 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	42.0	41.2	1.25
Jersey.....	49.5	39.9	44.0	42.0	2.33
Hurst Castle.....	47.9	37.2	41.0	40.1	1.84
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	34.0	38.9	37.4	1.59
Cambridge.....	50.2	33.6	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and more, over the Peninsula; 30.0 in: and more, over France and north Germany.
 Lowest, 29.3 in: and less, in a depression lying to the northward of Denmark; 29.8 in: and less, over the Gulf of Genoa.
 Gradients moderate in our Islands, somewhat steep over the eastern shores of the North Sea and the Skagerrak.
 Barometer still falling in our Islands, rising over the southern half of France.

TEMPERATURE

Highest, 45° to 47° on our extreme west and south-west coasts, 45° at Lisbon, 44° in London, 41° at Perpignan and Rochefort.
 Lowest, (1) 17° at Capasanda, 23° at Stockholm, 28° at the Scaw; (2) 24° at Munich, 27° at Wiesbaden, Paris, and Belfort, 29° at Lyons, and 37° at Nice.
 It has risen decidedly over England, but the changes are as a whole irregular and fitful.

WIND

W^{ly} and SW^{ly}, moderate to fresh, in our Islands, more S^{ly} over the North Sea, and blowing a gale from SSE. at Skudenes.
 In France it is light and variable, but on the southern coast NW^{ly} to NE^{ly}.

WEATHER

Changeable and showery over the United Kingdom and English Channel, more especially in the north-west, west, and south.
 Hail showers are falling in the Solent. Over France generally the sky is clear and bright, but at Nice snow is falling.
 Simooms have been seen in several places, lightning occurred at Wick, thunder at Mullaghmore last night.

SEA

High at Skudenes, moderate in most other places, but smooth in the Channel and over the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The conditions are favourable for freshening W^{ly} and SW^{ly} winds with showery and rather unsettled weather.

FORECASTS

For the 24 hours ending at NOON on 25th March 1891.

DISTRICTS.

FORECASTS.

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

W^{ly} and SW^{ly} breezes, some showers.

SW^{ly} and W^{ly} winds, moderate to fresh; some showers, bright intervals.

DISTRICTS.

FORECASTS.

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

SW^{ly} winds, freshening; changeable, showery, squally at times.

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.

	THER:							THER:						
	BAR:	D.	W.	D.	F.	WEA.	SEA	BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	29.00	35	31	SW	7	c	4	Holyhead ...	29.83	44	45	SW	2	c
Sumburgh Head ...	29.57	43	41	L	3	c	4	Valencia ...	30.04	51	46	WNW	4	bc
Stornoway ...	29.59	38	37	L	6	sp	5	Scilly ...	30.02	48	46	WNW	3	c
Aberdeen ...	29.72	45	41	SW	4	cg	4	Jersey ...	30.07	44	39	SE	3	bm
Shields ...	29.84	43	40	L	3	c	3	Dungeness ...	30.07	37	33	SE	2	bc
Ardrrossan ...	29.80	45	43	W	3	c	2	London ...	30.05	43	39	SW	1	c
Malin Head ...	29.77	47	45	W	4	bc	3	Yarmouth ...	30.06	35	31	SE	3	bc
Mullaghmore ...	29.84	48	43	W	5	bc	4	Rocheport ...	30.06	44	41	W	3	c
Belmullet ...	29.91	46	43	W	4	sp	*							

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

Weather fair over the greater part of western and northern Europe, as well as in the south of France, but cloudy and showery at some of the English and Irish stations, with slight snow in London. Dull over the central, eastern, and some of the southern countries, with snow in many parts of Germany and Austria, and rain at Hermannstadt. Snow showers falling later in the north of Scotland, thunder heard at Mullaghmore at night, and lightning occurring at Wick.

Temperature highest 64° at Constantinople, 61° at Brindisi, 57° at Malta, and 56° at Chios; above 50° over the Adriatic, and the central and southern parts of the Mediterranean generally, but below 40° over the Riviera. Lowest, -3° at Krasnodar, +1° at Archangel, 3° at Haparanda, 8° at Uleaborg and Hango, and 10° at Helsingfors, below the freezing point in most parts of northern and central Europe, as well as at some of the inland stations in England, France and Spain. Daily maxima above 45° over the greater part of the United Kingdom, but thermometer remaining below 40° at most of the Continental stations.

Wind light or moderate from between S. and W. over the northern part of the United Kingdom, and from the SE² over England and the coast of Norway. Light or moderate from the NE² or N² over the Baltic, western Russia, Germany, Austria, France and Spain, S³ over Italy and Algeria; NW³ over the Riviera. Light S³ and SW³ winds setting in later over the greater part of England.

Barometer highest 30.1 ins. and upwards over Denmark, the south of Sweden, and the southern parts of the North Sea; 30.0 ins. and upwards in a large anticyclonic band extending southwestwards from Denmark to the Bay of Biscay. Lowest 29.6 ins. and less, in a depression lying over central Russia, and also in a small disturbance lying over the Gulf of Genoa; 29.7 ins. and less, in a third system lying off the north of Scotland. No important change occurring later, but barometer falling in most 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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Wednesday, 25th March, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 5.)	SHADE TEMP.				
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)		Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.																		
Haparanda ...	29.86	14	S	2	b	29.86	- 0.7	4	2	- 13	SE	2	6	*	27	21	-	
Hernösand ...	29.79	24	SSE	8	b	29.71	- 1.8	26	25	+ 2	S	6	5	*	37	5	-	
Stockholm ...	29.93	22	SSE	2	b	29.84	- 2.7	24	21	+ 1	S	2	6	*	34	14	-	
Wisby ...	29.93	22	S	4	b	29.86	- 1.8	23	27	+ 2	SSW	4	6	*	28	18	-	
Bodö ...	29.48	25	E	1	b	29.39	- 1.7	28	25	- 2	ENE	2	6	1	32	25	-	
Christiansund	29.32	37	SSE	6	b	29.18	- 2.7	40	34	+ 3	SSE	6	0	3	41	36	-	
Skudesnaes ...	29.48	39	SSE	7	o	29.23	- 3.6	38	37	+ 4	SSE	8	7	5	41	34	0.43	
Christiania Fjord (Færd)	29.71	33	SSE	7	o	29.50	- 3.7	34	34	+ 3	SSE	5	S	5	34	30	-	
Skagen (The Scaw)	29.71	31	S	6	S	29.51	- 4.2	34	33	+ 6	S	4	o	4	34	28	0.08	
Fanö ...	29.74	34	SW	6	o	29.48	- 4.5	36	36	+ 4	S	6	7	*	36	32	0.08	
Sumburgh Head	29.23	34	WSW	3	osp	29.05	- 2.2	38	37	+ 3	W	1	C	4	40	33	0.17	
Stornoway ...	29.28	39	WSW	4	o	29.06	- 3.4	35	34	0	W	3	o	3	39	31	0.10	
Wick ...	29.26	40	W	4	7	29.08	- 3.2	38	37	+ 4	S	3	o	2	43	32	0.13	
Nairn ...	29.30	41	SW	2	7	29.12	- 3.4	40	38	+ 3	SW	2	bp	1	46	35	0.06	
Aberdeen ...	29.36	42	SSW	3	C	29.19	- 3.4	43	38	+ 5	SW	4	6	2	46	34	0.01	
Leith ...	29.42	43	SW	2	C	29.28	- 3.1	42	39	+ 2	SW	5	7	*	47	38	0.18	
Shields ...	29.52	44	SW	4	o	29.39	- 2.9	43	40	+ 2	W	3	6c	2	48	38	0.01	
Spurn Head ...	29.63	44	SSW	3	o	29.54	- 2.3	45	42	+ 5	WSW	4	C	3	47	39	0.04	
York ...	29.62	46	S	2	o	29.51	- 2.4	45	42	+ 3	W	3	C	*	48	39	0.01	
Loughborough	29.70	47	SW	3	o	29.62	- 2.2	46	43	+ 5	WSW	3	C	*	51	41	0.09	
BRITISH ISLANDS.																		
Ardrossan ...	29.40	45	WSW	2	o	29.32	- 3.0	43	41	+ 1	SW	4	6	4	46	40	0.11	
Malin Head ...	29.39	44	WSW	4	op	29.25	- 3.5	41	40	0	WSW	5	6p	4	48	36	0.23	
Mullaghmore ...	29.54	47	WSW	6	p	29.41	- 2.9	44	41	+ 1	SW	6	6p	5	49	42	0.16	
Belmullet ...	29.58	47	W	5	o	29.42	- 2.8	46	42	0	W	8	C	*	50	43	0.13	
Donaghadee ...	29.51	49	WSW	2	o	29.44	- 2.7	42	40	+ 2	WSW	5	C	3	49	39	0.05	
Liverpool (Bidston)	29.61	45	SW	4	o	29.57	- 2.2	46	41	+ 3	WSW	4	C	4	49	43	0.05	
Holyhead ...	29.62	45	SW	5	og	29.59	- 2.0	45	44	+ 1	SW	4	C	4	48	43	0.03	
Parsonstown ...	29.68	49	SW	2	o	29.58	- 2.3	45	43	+ 2	SW	1	C	*	51	41	0.03	
Valencia ...	29.83	50	W	5	opm	29.70	- 2.0	46	45	- 1	W	6	op	6	52	44	0.23	
Roche's Point...	29.80	49	W	4	C	29.72	- 1.9	47	44	+ 3	W	4	6c	4	51	43	0.02	
Pembroke (St. Ann's Hd.)	29.75	46	WSW	5	C	29.72	- 1.6	46	45	+ 1	WSW	5	6	5	47	44	0.03	
Scilly ...	29.90	48	W	5	o	29.86	- 1.1	48	47	+ 2	W	5	6p	5	50	43	0.01	
Prawle Point ...	29.86	45	WSW	4	o	29.83	- 1.2	46	45	+ 2	W	5	6c	4	48	43	0.03	
Jersey (St. Aubin's)	29.96	47	WSW	4	C	29.92	- 0.8	48	47	+ 4	WSW	5	6p	4	49	43	0.03	
Hurst Castle ...	29.85	44	WSW	4	6c	29.78	- 1.7	44	44	+ 2	WSW	5	6c	3	47	41	0.02	
Dungeness ...	29.84	43	SW	5	C	29.73	- 2.1	44	43	+ 4	WSW	5	o	4	45	40	0.03	
London ...	29.80	45	S	2	6c	29.72	- 1.8	48	46	+ 4	WSW	3	6c	*	51	42	0.03	
Oxford ...	29.75	45	SW	4	o	29.71	- 1.9	46	44	+ 7	SW	3	6c	*	50	39	-	
Cambridge ...	29.76	45	SW	2	o	29.65	- 2.2	50	46	+ 8	SW	3	6c	*	50	40	0.03	
Yarmouth ...	29.74	45	WSW	2	C	29.61	- 2.6	47	45	+ 11	W	4	C	3	47	35	0.01	
GERMANY & HOLLAND.																		
Cuxhaven ...	29.92	36	SSW	2	C	29.67	- 3.7	36	36	+ 7	SSW	4	7	*	38	29	0.12	
Berlin ...	30.01	39	SE	3	6c	29.88	- 1.8	31	29	+ 2	SSW	3	6c	*	36	27	-	
Wiesbaden ...	*	*	*	*	*	29.95	- 1.1	32	31	+ 5	W	0	o	*	41	27	-	
Munich ...	30.04	27	SW	4	6c	30.06	+ 0.7	27	25	+ 3	SW	5	6	*	30	21	0.04	
The Helder ...	29.78	39	SSW	2	o	29.59	- 3.5	40	40	+ 10	WSW	5	C	3	41	30	0.16	
FRANCE AND BELGIUM.																		
Brussels (9 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Cape Gris Nez	29.87	42	W	4	C	29.74	- 2.2	43	41	+ 9	WSW	5	7	5	46	32	-	
Paris ...	29.99	46	SW	2	o	29.94	- 1.4	42	41	+ 15	SSW	2	7	*	51	27	0.04	
Brest ...	30.05	49	WSW	3	C	30.02	- 0.6	49	48	+ 4	W	3	7	3	52	41	0.04	
Lorient ...	30.02	47	W	4	o	30.04	- 0.1	47	44	+ 4	WSW	3	o	4	50	43	-	
Roche fort ...	30.10	48	WSW	4	C	30.10	+ 0.1	47	46	+ 6	W	4	o	*	54	39	-	
Belfort ...	?	28	W	1	C	?	?	34	?	+ 7	W	1	7	*	41	25	-	
Lyons ...	30.12	36	N	1	6	30.17	+ 0.9	34	30	+ 5	SW	1	OS	*	41	29	-	
Nice ...	29.91	40	SW	3	6c	30.03	+ 2.3	37	33	0	ENE	4	6	1	48	34	-	
Perpignan ...	30.10	43	WSW	4	6	30.20	+ 1.7	47	38	+ 6	W	2	6c	*	52	36	-	
Biarritz ...	30.16	48	WSW	2	C	30.28	+ 0.9	46	43	+ 5	WSW	3	7	*	54	41	0.16	
PENINSULA.																		
Cornuna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.21	50	WSW	5	6	30.24	+ 0.8	49	46	+ 4	WSW	4	6	3	57	45	-	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Wednesday, 25th March, 1891.

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.

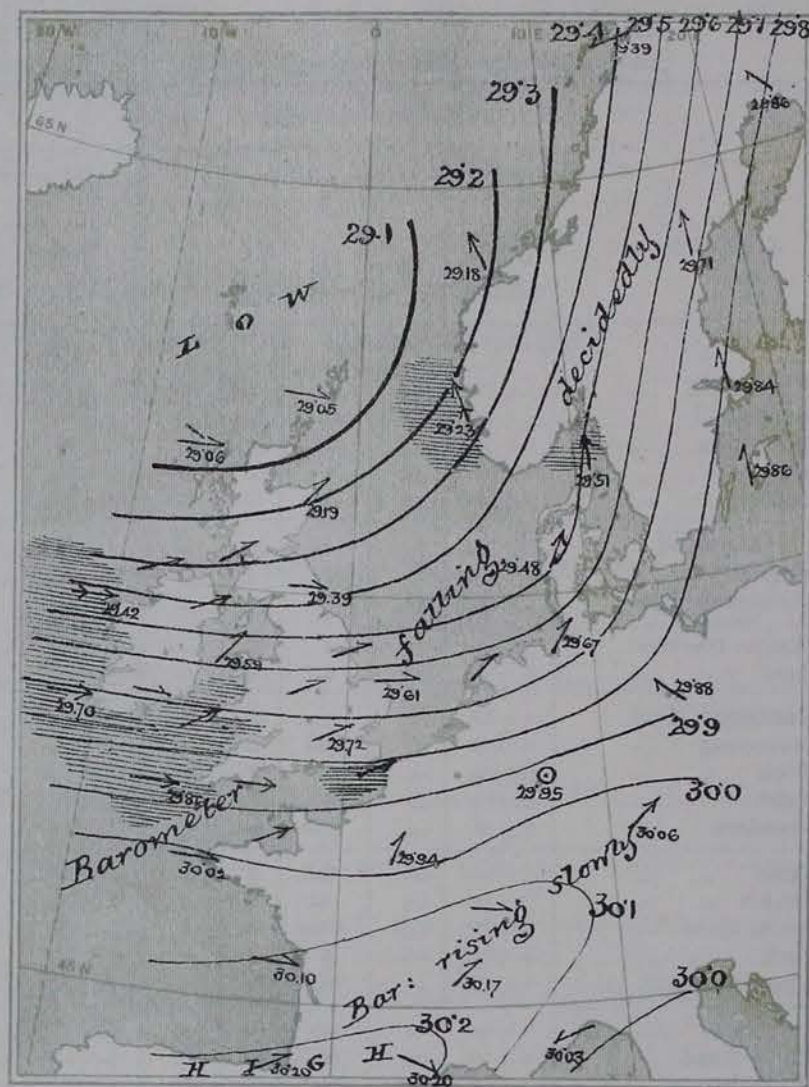
SEA DISTURBANCE—Where considerable, is shown thus:

☼ = 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	29.905
Mullaghmore	29.874
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.925
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and more to 30.0 in: over the Peninsula and the southern half of France; 29.8 in: and more over the Baltic.
 Lowest, 29.1 in: and less, in the extreme north of Scotland, the Shetlands, and Orkneys.
 Gradients moderate—for W^{ly} winds over our Islands and the Channel and for S^{ly} winds over Denmark and Scandinavia.
 Barometer falling except in the far south.

TEMPERATURE

Highest, 49° at Luton and Brest, 48° at Scilly, Jersey, and in London, and 47° to 47° over the other parts of England and Ireland.
 Lowest, (1) 4° F. at Haparanda, 24° at Stockholm, 28° at Riga and Vitebsk; (2) 27° at Munich, 31° at Berlin, 32° at Wiesbaden, and 37° at Kiev.
 It rose to 50° or more in several parts of our Islands during yesterday, and the night was much less cold than those lately experienced.

WIND

W^{ly} to SW^{ly} over the United Kingdom, the Channel, and north of France, and blows strongly at the most western stations.
 On the eastern shores of the North Sea it is strong to a gale from the S^{ly}, but over the Bay of Biscay it is moderate from W.

WEATHER

Fine and bright at some Swedish stations, cloudy, changeable, and unsettled elsewhere, with rain at many of the western stations, and hail at Malin Head. Fog is reported at Cape Finis Neg.
 Rainfall has not amounted to a quarter of an inch even at our western stations.

SEA

Rough on our western coast generally, moderate to rather rough in the Channel, slight & smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any important change; cloudy showery weather seems probable—especially in the west. Conditions, however, are not at all settled.

FORECASTS

For the 24 hours ending at NOON on 26th March 1891.

DISTRICTS.

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

FORECASTS.

SW^{ly} and W^{ly} winds, force doubtful; unsettled, rain at times.

W^{ly} breezes, moderate to fresh; showery, changeable, unsettled.

W^{ly} winds, fresh to strong; changeable, unsettled, showery.

DISTRICTS.

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

FORECASTS.

SW^{ly} and W^{ly} winds, strong; squally, showery.

Same as No 5.

Same as No 6 and 7.

WARNINGS

None issued at present but conditions far from being settled.

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.

THER: WIND								THER: WIND							
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	29.53	41	38	E	8	c	7	Holyhead ...	29.72	46	44	SSW	3	cq	3
Sumburgh Head ...	29.27	36	35	W	4	csp	5	Valencia ...	29.86	52	50	W	5	om	5
Sternoway ...	29.34	39	34	W	5	T	4	Scilly ...	29.94	49	47	W	5	or	4
Aberdeen ...	29.45	44	40	SSW	4	cq	4	Jersey ...	29.99	48	45	W	4	c	3
Shields ...	29.61	48	42	W	4	c	2	Dungeness ...	29.80	45	40	SW	4	c	3
Ardrossan ...	29.51	45	44	W	2	c	2	London ...	29.84	51	46	W	2	op	*
Malin Head ...	29.48	46	44	W	4	c	4	Yarmouth ...	29.79	46	42	W	3	om	3
Mullaghmore ...	29.50	48	46	W	6	c	6	Rochefort ...	30.12	50	43	W	3	c	*
Belmullet ...	29.63	47	46	W	4	cq p	*								

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

Weather fine in the east of Scotland, as well as in Sweden, northern Russia, western and southern Germany, central France and the greater part of Spain. Cloudy or overcast elsewhere, with passing showers in the northwest and south of the United Kingdom, rain at Lemberg, Hermannstadt, Rome, and LaSalle, and snow in several parts of Central Europe. Showers falling later over nearly the whole of our Islands, with hail in the north of Ireland.

Temperature highest 60° at Constantinople, 59° at Brindisi, 58° at Malta, and 55° at Palermo; above 45° over the central and southern parts of the Mediterranean generally, as well as in the southwest of our Islands, but below 40° in the Riviera. Lowest -6° F. at Archangel, +3° at the Arctic, 10° at Helsingfors, 12° at Hango and St. Petersburg, below the freezing point in most parts of northern and central Europe, as well as over the central part of France and Spain. Subsequently rising to 50° or a little above at many of our western and southern stations, as well as over the greater part of France.

Wind light to fresh from the Wnd or SWnd over our Islands, light from the SWnd over France and the Netherlands, moderate to strong from the SEnd on the eastern shores of the North Sea. Light from the NEnd over the Baltic and northern Russia, and from the NWnd over Germany and Austria, as well as in the south of France. Chiefly SEnd in Italy, variable in Spain and Algeria. No important change occurring during day.

Barometer highest 30.2 ins. and upwards, in an anticyclone lying over Spain; 30.1 ins. and upwards, in another lying over Iceland; 30.0 ins. and upwards, in a "col" extending northwards across France, Germany, and the Baltic. Lowest 29.3 ins. and less, in a depression lying to the northward of the Shetlands, 29.5 ins. and less, in another disturbance lying over the south of Russia, near Kharkov; 29.8 ins. and less, in a large shallow area lying over Italy. No important change occurring over western Europe during day.

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.

The evening observations are taken at 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Thursday, 26th March, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 1.)	SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ...	29.81	8	S	2	b	29.84	-0.02	5	4	+1	SSE	2	b	*	23	1	-	
	Hernösand ...	29.68	30	SSE	6	c	29.63	-0.08	31	30	+5	SSE	6	c	*	36	21	0.04	
	Stockholm ...	29.73	28	SSE	4	b	29.61	-0.23	33	32	+9	SE	4	c	*	34	19	-	
	Wisby ...	29.77	28	SSE	4	b	29.60	-0.26	35	34	+7	S	4	0	*	36	16	-	
	Bodö ...	29.39	30	E.N.E.	6	b	29.43	+0.04	31	28	+3	E.N.E.	6	b	3	31	27	-	
	Christiansund	29.09	39	SE	4	c	29.03	-0.15	40	36	0	SSW	2	0	3	41	37	-	
	Skudesnaes ...	29.16	39	SSE	8	r	28.98	-0.25	37	36	-1	SSE	8	0	6	39	37	-	
	Christiania Fjord (Færder)	29.34	38	SSE	2	S	29.16	-0.34	35	35	+1	SE	7	r	5	7	32	-	
	Skagen (The Seaw)	29.42	36	S	4	m	29.17	-0.34	37	37	+3	S	4	r	3	37	34	0.24	
	Fanö ...	29.45	37	S	4	b	29.21	-0.27	37	36	+1	S	6	c	*	41	36	0.12	
BRITISH ISLANDS.	Sumburgh Head	28.93	39	Z	0	c	28.86	-0.19	37	35	-1	NNW	5	os p	6	44	32	0.60	
	Stornoway ...	28.87	37	W	2	c	29.22	+0.16	37	36	+2	NW	5	c	4	41	31	0.04	
	Wick ...	28.86	36	W	3	bc	29.06	-0.02	39	38	+1	N	5	0	3	44	32	0.10	
	Nairn ...	28.90	36	W	3	c	29.15	+0.03	34	34	-6	SW	4	csp	2	45	32	0.07	
	Aberdeen ...	28.98	37	SW	4	bcq	29.10	-0.09	35	32	-10	NNW	7	sq	4	48	32	0.30	
	Leith ...	29.10	36	W	5	c	29.23	-0.05	36	33	-6	W	3	c	*	46	32	0.21	
	Shields ...	29.22	42	SW	5	cp	29.23	-0.16	37	35	-6	W	5	bc	2	52	33	0.03	
	Spurn Head ...	29.37	47	W	6	bcq	29.40	-0.14	39	37	-6	W	6	bc	4	52	35	0.04	
	York ...	29.34	44	W	4	bc	29.38	-0.13	39	36	-6	W	4	bc	*	53	33	0.05	
	Loughborough	29.47	48	W	5	bc	29.52	-0.10	38	35	-8	W	4	b	*	54	33	0.16	
GERMANY & HOLLAND.	Ardrossan ...	29.13	37	W	5	phrs	29.30	-0.02	39	37	-4	W	6	cqprst	4	45	34	0.20	
	Malin Head ...	29.09	37	W	7	oghp	29.44	+0.19	34	34	-7	NW	8	oghp	6	43	33	0.08	
	Mullaghmore ...	29.29	40	W	9	cqp	29.54	+0.13	37	35	-7	NNW	8	cqprst	6	46	36	0.11	
	Belmullet ...	29.34	40	W	8	oghp	29.64	+0.22	38	37	-8	NW	7	bcq	*	46	33	0.38	
	Donaghadee ...	29.25	42	W	6	bc	29.44	-0.06	34	34	-8	W	3	rs	1	50	30	0.19	
	Liverpool (Bidston)	29.36	42	W	7	c	29.48	-0.09	39	37	-7	W	6	c	5	52	35	0.06	
	Holyhead ...	29.41	44	W	5	cqp	29.54	-0.05	41	38	-4	NNW	6	c	6	50	37	0.02	
	Parsonstown ...	29.46	38	SW	2	r	29.67	+0.09	33	33	-12	Z	0	s	*	50	32	0.18	
	Valencia ...	29.61	43	NW	7	cqpm	29.83	+0.13	41	38	-5	NNW	6	cp	5	52	36	0.24	
	Roche's Point...	29.55	46	W	6	r	29.77	+0.05	39	37	-8	W	5	c	4	52	35	0.02	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.56	46	SW	7	c	29.68	-0.04	41	38	-5	NNW	6	bcq	6	48	39	0.03	
	Scilly ...	29.80	49	W	7	c	29.85	-0.01	44	40	-4	NNW	7	cq	6	53	39	0.08	
	Prawle Point ...	29.77	47	W	7	0	29.77	-0.06	43	40	-3	NNW	6	b	5	48	38	0.27	
	Jersey (St. Aubin's)	29.92	49	W	5	cu	29.85	-0.07	44	41	-4	W	6	omp	5	52	41	0.15	
	Hurst Castle ...	29.72	46	W	8	cq	29.71	-0.07	42	40	-2	W	6	bcq	4	49	40	0.18	
	Dungeness ...	29.71	45	W	6	c	29.64	-0.09	42	39	-2	W	6	c	5	49	39	0.25	
	London ...	29.64	48	SW	5	bcq	29.63	-0.09	42	36	-6	NNW	5	bcq	*	56	38	0.18	
	Oxford ...	29.57	47	SW	6	r	29.63	-0.08	40	36	-6	SW	4	b	*	53	36	0.02	
	Cambridge ...	29.53	50	SW	6	c	29.55	-0.10	40	37	-10	SW	4	b	*	56	35	0.17	
	Yarmouth ...	29.52	51	W	6	cq	29.49	-0.12	40	36	-7	NNW	7	cq	3	53	35	0.04	
PENINSULA.	Cuxhaven ...	29.61	43	SW	3	bc	29.46	-0.21	43	42	+7	W	5	bc	*	45	36	0.24	
	Berlin ...	29.79	38	SW	3	c	29.73	-0.15	43	42	+12	SSW	4	c	*	46	31	0.08	
	Wiesbaden ...	*	*	*	*	*	29.63	-0.12	45	42	+13	SW	4	0	*	45	32	0.12	
	Munich ...	30.05	38	SW	6	0	30.02	-0.04	42	39	+15	SW	6	0	*	43	27	-	
	The Helder ...	29.56	42	SW	4	c	29.48	-0.11	40	38	0	SW	3	bc	3	45	39	0.04	
	Brussels (9 a.m.)	*	*	*	*	*	29.68	-0.12	40	39	-1	W	6	0	6	51	40	0.04	
	Cape Gris Nez	29.75	45	W	6	m	29.62	-0.12	42	40	-1	W	6	0	*	46	37	0.12	
	Paris ...	29.97	51	W	3	r	29.86	-0.08	46	43	+4	SSW	4	0	*	55	42	0.04	
	Brest ...	30.02	51	W	4	bc	29.96	-0.06	44	42	-5	NW	4	0	3	52	43	0.12	
	Lorient ...	30.04	48	W	4	c	29.93	-0.11	46	44	-1	NNW	5	0	5	52	45	0.12	
FRANCE AND BELGIUM.	Rochefort ...	30.14	49	W	4	c	30.09	-0.01	49	48	+2	W	5	bc	2	55	39	-	
	Belfort ...	?	?	W	3	0	?	?	46	?	+12	W	6	0	*	46	32	-	
	Lyons ...	30.17	46	S	1	0	30.18	+0.01	43	39	+9	SSW	2	r	*	52	34	-	
	Nice ...	30.16	45	SW	3	b	30.20	+0.17	41	36	+4	E.N.E.	4	bc	1	54	36	-	
	Perpignan ...	30.22	53	Z	0	0	30.29	+0.09	44	40	-3	SW	2	b	*	61	37	-	
	Biarritz ...	30.26	52	W	3	0	30.26	+0.06	49	44	+3	SW	2	0	3	55	45	0.24	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.25	54	NNW	4	b	30.32	+0.08	47	43	-2	NNW	3	c	2	61	46	-		

WEATHER CHARTS

for 8 a.m. on Thursday, 26th March, 1891.

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.

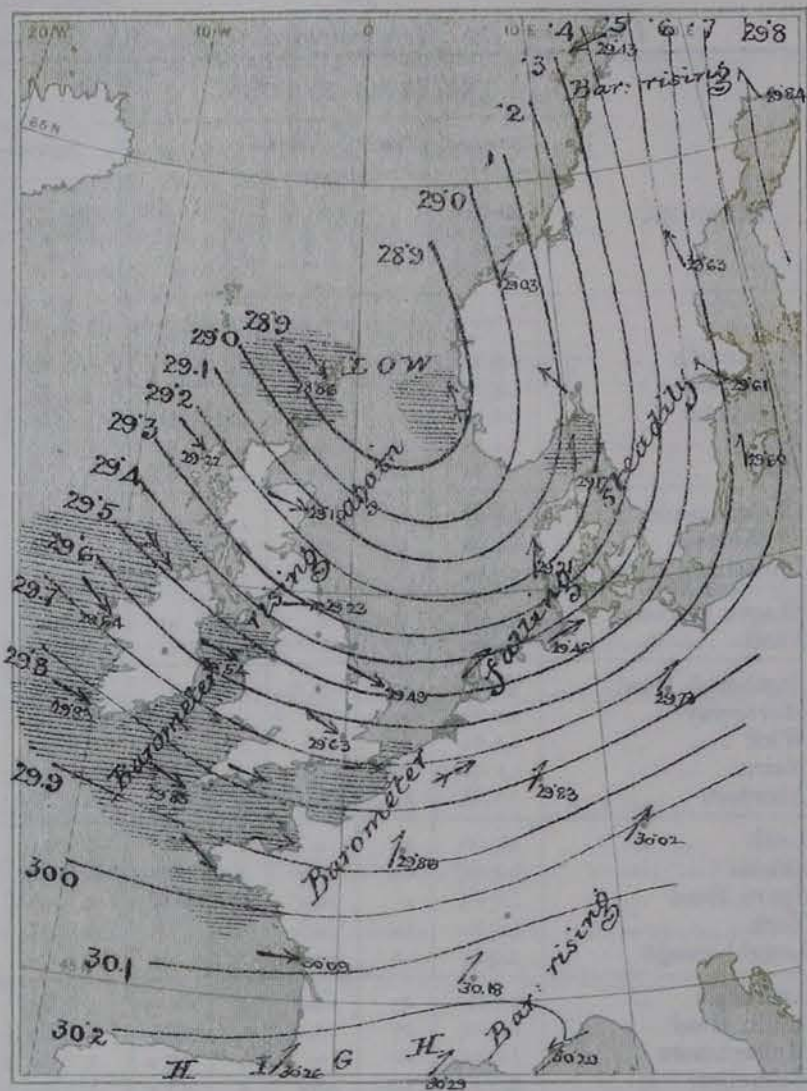
MEAN HEIGHT OF THE BAROMETER

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	29.833
Shields	29.880
Spurn Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.805
Mullaglinmore	29.874
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	29.951
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.

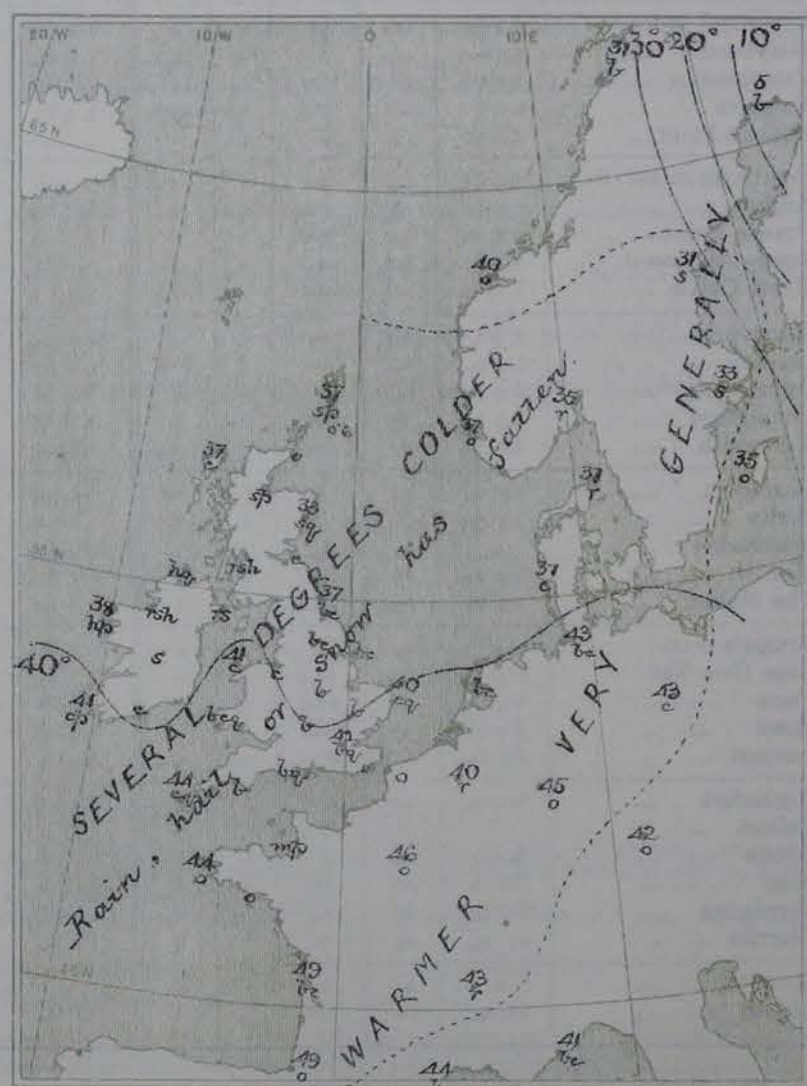
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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	33.0	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	45.2	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	1.78
Loughborough	49.0	34.2	39.0	37.8	1.04
Ardrossan	40.3	36.3	40.1	38.5	2.44
Mullaglinmore	47.0	38.4	41.9	40.2	2.61
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	36.0	40.4	38.8	2.33
Valencia	51.1	40.2	41.9	42.5	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	46.0	44.2	2.40
Prawle Point	48.1	37.7	42.5	40.2	1.05
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
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	37.1	1.59
Cambridge	50.2	35.0	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and more to 30.1 ins. over Spain and the southern part of France, and 29.8 ins. and more over Ireland.
Lowest, 28.9 ins. and less, in a depression near Lumburg Head.

Gradients steep except in the far south, but not very steep anywhere.

Barometer rising unsteadily in the west and northwest, and the rise is spreading eastwards.

TEMPERATURE

Highest, 43° in the southwest of France, 47° at Lyons, 46° at Paris, 45° at Marseilles, 42° in London, and 41° at Valence's Island and also at Nice.

Lowest, 5° F. at Haparanda, 31° at Bodo and Harstad, 33° at Aberdeen, 34° at Skew and Horta Ids.

It is falling over our Islands and their neighbourhood generally, and the air is very keen in many places.

WIND

Strong to a gale from NW. at our western and northern stations, and from W. in the south and east, SW. over the Netherlands.

It is rather strong from S. in Denmark, SSE. in Sweden, and blows a moderate gale from SE. in the Skagerrack.

WEATHER

Changeable, squally, and showery throughout our Islands and the northern half of France; at the western and northern stations the showers consist mainly of snow or hail.

Sun's halo were seen in several places last night. Appearance is still unsettled.

SEA

Very rough except on our northeast and east coasts, where, as the wind is blowing off the land the sea is moderate.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The gale seems likely to moderate slowly, but strong squally winds from between W. and N. are likely to prevail all day, followed by low temperatures at night.

FORECASTS

For the 24 hours ending at NOON on 27th MARCH 1891.

DISTRICTS.

FORECASTS.

1	SCOTLAND NORTH	NW ² gales and strong winds, moderating very slowly; cold showers, very cold tonight
2	SCOTLAND EAST	
3	ENGLAND N.E.	Strong NW ² winds or gales; squally, cold showers. Moderating slowly later.
4	ENGLAND EAST	
5	MIDLAND COUNTIES	
6	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ² gales; strong squalls, with sleet or rain showers. Tending to moderate later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

All our coasts were warned yesterday.

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		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.18	38	37	SSW	6	0	5	Holyhead ...	29.45	47	46	SW	6	omgyp	6
Sumburgh Head ...	29.47	41	34	2	0	0	4	Valencia ...	29.62	51	47	W	7	cq	6
Stornoway ...	28.89	39	37	W	3	0	3	Scilly ...	29.84	52	49	W	6	bc	6
Aberdeen ...	29.06	45	40	SSW	5	cq	4	Jersey ...	29.95	51	46	W	5	ogm	4
Shields ...	29.28	50	45	SW	5	c	2	Dungeness ...	29.72	48	45	W	6	c	5
Ardrossan ...	29.17	42	40	WSW	4	0	4	London ...	29.68	56	51	WSW	5	c	8
Malin Head ...	29.10	41	39	W	4	bc	4	Yarmouth ...	29.59	53	45	W	5	c	3
Mullaghmore ...	29.31	43	39	W	8	cq	6	Rochefort ...	30.14	54	51	W	4	bc	2
Belmullet ...	29.33	44	39	W	8	0	*								

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

Weather fine and bright in many parts of northern Europe, as well as over the Iberian Peninsula, Italy, and the Adriatic, very changeable and unsettled elsewhere. Snow falling over western and central Russia as well as at Lyons, rain in many parts of the United Kingdom and western Europe. Rain, snow, or hail showers later all over the United Kingdom, the northwestern half of France, the North Sea and north Germany, with equally unsettled winds, hail seen in several places.

Temperature changing fitfully; falling over northern, rising over western Europe. Morning readings all below 60° and exceeding 50° at Oporto, some of the Mediterranean stations, and Constantinople only, highest of all 53° at Brindisi, 54° at Constantinople and 53° at Algiers and Barcelona. Lowest (0° zero) Fahr at Archangel and Kuopio, 2° at Helsingfors, 4° at Haparanda, 10° at Petersburg, and below 30° over the greater part of Russia and central Europe. Rising to between 50° and 56° over England and France during day, but falling fast again in our Islands towards night.

Winds moderate to fresh from W. over England, fresh to strong in Ireland, the Irish and English Channels; strong to a gale from the S.W. on the eastern shore of the North Sea, moderate S. in Sweden. Very variable in direction, and light to moderate in force over the other part of Europe and the Mediterranean. Increasing to a gale from N. or N.W. in many parts of our Islands later.

Barometer highest 30.3 ins. to 30.0 ins. in a high pressure area of irregular form, ^{stretching} from the Atlantic across the Peninsula to the Mediterranean, Italy, and the southern parts of France and Germany to 30.0 ins. to 29.9 ins. in another system over northern Russia and Finland. Lowest, 29.1 ins. and less, in a large depression off our northern coasts, 29.6 ins. and less, in a smaller one over central Russia, 29.7 ins. and less, in a third over European Turkey and the Bosphorus. New disturbances approaching north of Scotland later, and spreading southwards.

EASTER HOLIDAYS.

NOTE. The Daily Weather Report for Good Friday will not be issued until Monday, March 30th.

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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 Friday 27th March 1891.
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.			
STATIONS.	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)	Weather.	Sea. (0 to 3.)	Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.	Haparanda ...	29.79	9	S	2	b	29.75	-0.09	14	12	+9	E	2	b	*	25	0	—	
	Hernösand ...	29.84	29	SSE	8	S	29.49	-0.14	32	31	+1	ESE	2	S	*	34	28	0.39	
	Stockholm ...	29.45	35	S	4	r	29.42	-0.19	34	34	+1	Z	0	S	*	36	25	0.20	
	Wisby ...	29.49	37	S	4	r	29.44	-0.16	34	33	-1	SW	4	a	*	37	27	0.24	
	Bodö ...	29.47	33	E	4	b	29.48	+0.05	31	28	0	ENE	4	b	2	37	27	—	
	Christiansund	29.02	39	ESE	2	C	29.18	+0.15	38	36	-2	ESF	3	C	2	46	36	—	
	Skudesnaes ...	29.04	36	Z	0	C	29.18	+0.20	37	35	0	S	6	C	4	?	27	—	
	Christiania Fjord (Færder)	29.15	37	SSE	4	C	29.17	+0.01	35	35	0	W	4	C	4	37	34	0.16	
	Skagen (The Scaw)	29.28	37	SW	6	0	29.27	+0.10	37	35	0	W	5	b	4	39	34	0.08	
	Fanö ...	29.30	35	WSW	6	0	29.45	+0.24	37	35	0	SW	5	b	*	41	34	—	
BRITISH ISLANDS.	Sumburgh Head	29.12	37	NNW	5	C	29.13	+0.27	38	37	+1	N	4	b	5	40	31	0.07	
	Stornoway ...	29.45	36	NN	4	0	29.46	+0.24	38	37	+1	NN	6	0	5	38	31	0.06	
	Wick ...	29.32	32	N	6	0	29.22	+0.16	37	37	-2	NN	8	r	6	43	32	0.00	
	Nairn ...	29.44	34	W	2	C	29.35	+0.20	36	35	+2	SW	3	ors	3	41	29	0.04	
	Aberdeen ...	29.42	35	WNW	4	b	29.27	+0.17	35	34	+2	W	6	ors	4	41	31	0.09	
	Leith ...	29.44	36	W	2	C	29.42	+0.19	36	33	0	W	3	0	*	46	32	—	
	Shields ...	29.49	41	WNW	4	C	29.47	+0.24	38	35	+1	W	6	b	2	45	33	0.02	
	Spurn Head ...	29.57	39	WSW	6	b	29.57	+0.17	38	36	-1	WSW	6	b	4	42	35	—	
	York ...	29.53	40	W	4	b	29.60	+0.22	38	36	-1	W	5	b	*	44	32	0.01	
	Loughborough	29.65	38	W	5	C	29.72	+0.20	36	34	-2	WSW	4	C	*	45	33	0.01	
GERMANY & HOLLAND.	Ardrossan ...	29.57	37	W	5	ors	29.54	+0.24	40	37	+1	W	5	ors	4	44	33	0.11	
	Malin Head ...	29.61	36	NW	5	0	29.64	+0.20	38	36	+4	NNW	5	ors	4	39	32	0.03	
	Mullaghmore ...	29.78	40	NN	7	C	29.79	+0.25	39	36	+2	NN	7	C	5	42	35	0.26	
	Belmullet ...	29.88	40	NNN	8	C	29.87	+0.23	38	36	0	N	4	C	*	43	29	0.23	
	Donaghadee ...	29.68	39	WNW	6	b	29.69	+0.25	35	34	+1	WNW	4	C	2	43	38	0.20	
	Liverpool (Bidston)	29.67	40	W	5	C	29.68	+0.20	36	35	-3	W	7	C	6	44	35	0.07	
	Holyhead ...	29.72	40	WNW	6	b	29.74	+0.20	38	36	-3	WNW	6	C	6	44	36	—	
	Parsonstown ...	29.90	37	SW	2	S	29.88	+0.21	35	34	+2	Z	0	b	*	43	32	0.12	
	Valencia ...	30.06	43	N	5	b	30.04	+0.21	43	39	+2	NNW	5	C	5	46	38	0.13	
	Roche's Point...	29.96	42	NN	6	ors	29.95	+0.18	39	37	0	NN	5	C	4	45	35	0.05	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.80	41	WNW	7	b	29.87	+0.19	39	38	-2	W	7	ors	7	42	35	0.05	
	Scilly ...	30.00	45	WNW	7	C	30.06	+0.21	44	40	0	WNW	6	C	6	46	38	0.04	
	Prawle Point...	29.92	40	NN	7	b	29.99	+0.22	41	39	-2	WNW	6	b	5	46	34	0.05	
	Jersey (St. Aubin's)	29.93	44	W	6	b	30.05	+0.20	45	40	+1	W	5	b	4	50	40	0.01	
	Hurst Castle ...	29.91	38	WNW	7	b	29.90	+0.19	40	38	-2	W	7	b	6	48	37	0.06	
	Dungeness ...	29.71	36	NN	5	b	29.82	+0.18	39	37	-3	WNW	6	C	5	49	34	0.05	
	London ...	29.72	37	WSW	4	C	29.81	+0.18	37	34	-5	WNW	4	b	*	47	33	0.02	
	Oxford ...	29.78	36	WNW	5	0	29.80	+0.17	37	34	-3	W	4	b	*	46	32	0.02	
	Cambridge ...	29.66	40	W	2	C	29.75	+0.20	38	35	-2	SW	3	0	*	48	30	0.03	
	Yarmouth ...	29.58	39	W	5	C	29.67	+0.18	36	34	-4	WNW	5	b	3	45	32	0.02	
PENINSULA.	Cuxhaven ...	29.57	39	W	5	r	29.56	+0.10	35	34	-1	W	4	S	*	43	34	0.08	
	Berlin ...	29.64	37	W	4	0	29.67	-0.06	35	35	-1	W	2	S	*	52	32	0.12	
	Wiesbaden ...	*	*	*	*	*	29.89	+0.06	38	36	-7	W	4	b	*	48	34	0.20	
	Munich ...	29.85	43	W	4	0	29.98	-0.04	34	32	-1	W	7	C	*	50	32	0.24	
	The Helder ...	29.53	38	SW	3	C	29.64	+0.16	34	35	-2	SW	3	C	3	43	36	0.12	
	Brussels (9 a.m.)	*	*	*	*	*	29.83	+0.15	36	35	-4	SW	5	b	*	49	32	0.04	
	Cape Gris Nez	29.72	35	NN	7	r	29.81	+0.19	38	35	-4	WNW	7	0	7	45	32	0.12	
	Paris ...	29.89	43	W	3	C	30.04	+0.18	35	34	-1	NNW	7	0	7	50	33	0.16	
	Brest ...	30.09	45	WNW	4	C	30.19	+0.23	44	41	0	NN	4	C	4	45	39	0.12	
	Lorient ...	30.07	45	NN	6	b	30.16	+0.23	43	39	-3	NNW	5	b	4	45	41	0.08	
FRANCE AND BELGIUM.	Rochefort ...	30.06	49	W	5	C	30.21	+0.12	46	43	-3	WNW	4	C	*	55	36	—	
	Belfort ...	30.08	51	WSW	4	C	30.20	+0.02	36	36	-7	NNW	3	C	*	58	?	—	
	Lyons ...	30.11	50	W	2	b	29.99	-0.21	47	41	+6	W	5	b	6	67	43	—	
	Nice ...	30.22	54	Z	0	C	30.26	-0.03	51	45	+7	NN	3	b	*	67	46	—	
	Perpignan ...	30.22	52	W	4	0	30.28	+0.02	50	47	+1	W	3	0	5	67	46	0.04	
	Biarritz ...	30.26	52	W	4	0	30.28	+0.02	50	47	+1	W	3	0	5	67	46	0.04	
PENINSULA.	Corunna ...	30.33	54	NNW	4	C	30.34	+0.14	50	49	-5	WSW	4	0	6	57	45	—	
	Lisbon ...	30.33	54	NNW	4	C	30.34	+0.02	47	44	0	W	2	C	5	63	45	—	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Friday, 27 March, 1891.

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

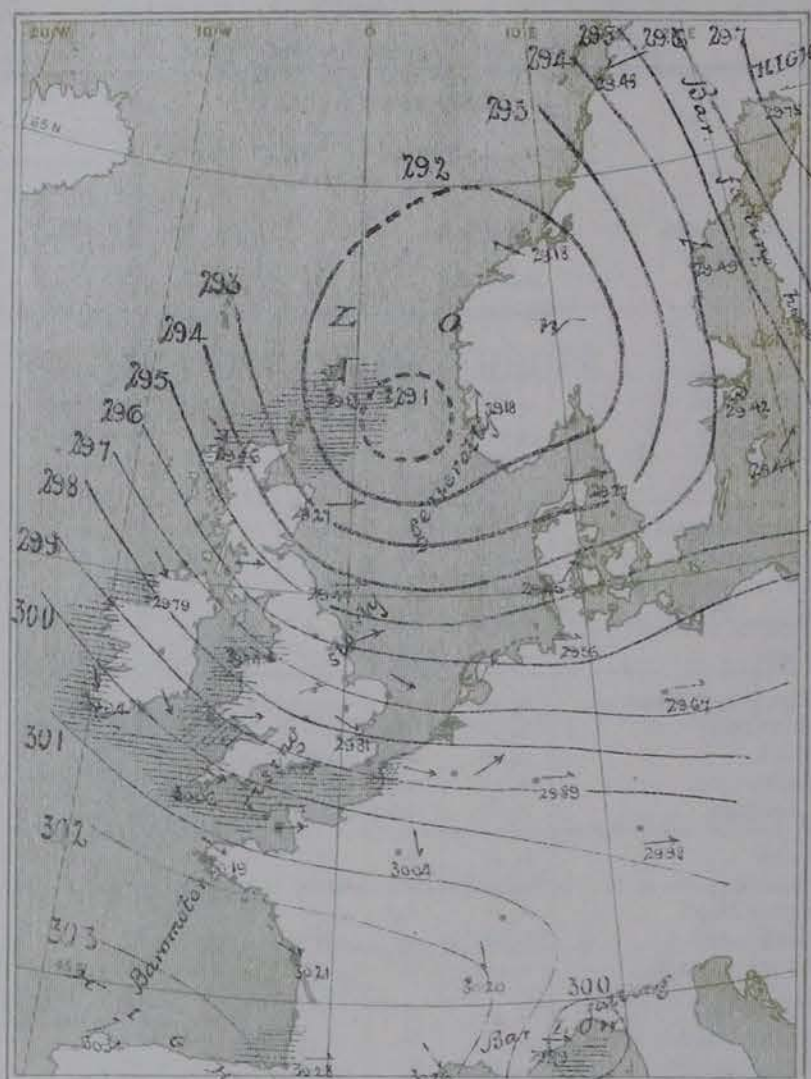
SEA DISTURBANCE—Where considerable, is shown thus:

— = 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
Sornoway	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
Ardrrossan	29.965
Mullaghmore	29.974
Donaghadee	29.982
Holyhead	29.997
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	29.933
LONDON	29.959
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	42.0	33.0	38.3	30.0	2.79
Sornoway	41.0	34.0	39.1	38.1	3.79
Wick	41.8	34.0	39.0	37.2	2.02
Nairn	45.6	33.0	38.0	30.2	1.03
Aberdeen	45.4	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	41.7	30.6	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
Ardrrossan	46.3	36.5	40.1	38.5	2.44
Mullaghmore	47.0	38.4	41.9	40.2	2.01
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	40.2	38.2	1.72
Parsonstown	49.8	35.0	40.1	38.8	2.33
Valencia	51.4	40.2	44.0	42.8	4.20
Roche's Point	49.7	39.6	45.3	41.5	3.71
Pembroke	49.6	39.1	42.1	40.3	2.40
Scilly	49.0	42.0	45.0	44.2	2.40
Prawle Point	48.1	37.7	42.0	41.2	1.25
Jersey	49.5	39.0	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
Dover	48.4	36.0	40.7	39.2	1.83
LONDON	50.0	35.4	40.1	38.2	1.49
Oxford	49.0	31.0	38.0	37.4	1.59
Cambridge	50.2	33.0	38.0	37.5	1.40
Yarmouth	45.2	33.6	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 inches at 10.1 miles, over Spain, the Bay of Biscay, and west and south of the Azores, and more over Iceland.
Lowest, about 29.1 inches in a depression between Lumburg Head & Hudsons, and 30.0 inches and less near Africa.
Gradients rather steep over our Islands and the North Sea.
Barometer falling in the northeast, rising slightly in the west, and briskly in the extreme north.

TEMPERATURE

Highest 53° at Lorient and Biscaya, 46° at Rochefort, 44° at Lully, 43° at Valence Island.
Lowest 14° at Napasenda, 31° at Bodo, 31° at Harnes and, 35° to 38° over the eastern parts of Scotland and England, 35° at Paris.
It went down to 32° or less (in the shade) in many parts of our Islands last night, to 26° on the grass in London.

WIND

N.W. strong to a gale in Scotland, strong and squally in Ireland.
W. strong to a gale over England and the Channel.
W. to S.W., moderate, over Germany and Denmark - S. at Hudsons - E. in the north-west of Norway.

WEATHER

Very unsettled - cloudy and squally with snow and hail showers over our Islands and their neighbourhood.
Snow at Berlin also. Thunderstorms occurred in many parts of England yesterday.

SEA

Rough on the more exposed parts of all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 20th March. 1891.

DISTRICTS.

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

FORECASTS.

None
1 3 2 2

DISTRICTS.

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

WARNINGS

FORECASTS.

None
1 3 2 2

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.

The warning signals are still up on all coasts.

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes	28.95	40	37	SSE	6	c	5	Holyhead ...	29.62	42	38	WNW	6	bcg	6
Sumburgh Head	29.06	38	36	NNW	5	o	6	Valencia ...	29.99	46	40	NN	6	bcg/hap	6
Stornoway ...	29.42	37	33	NW	4	c	4	Scilly ...	29.91	46	46	WNW	7	chg	6
Aberdeen ...	29.31	39	36	WNW	6	cqsp	4	Jersey ...	29.81	47	44	W	6	bcn	5
Shields ...	29.39	44	40	WNW	5	c	2	Dungeness ...	29.65	45	42	W	7	c	6
Ardrossan ...	29.46	44	40	W	4	c	4	London ...	29.66	44	41	W	5	qpsu	*
Malin Head ...	29.61	39	38	W	4	c	5	Yarmouth ...	29.49	45	39	W	6	cq	3
Mullaghmore ...	29.73	40	36	NW	6	c	5	Rochefort ...	29.09	54	50	W	6	c	?
Belmullet ...	29.81	38	36	NW	7	os	*								

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

Weather in morning fine and bright over Lapland, Finland and the north of Russia, also at most of the Mediterranean stations, and (temporarily) in many parts of England also; cloudy and very changeable elsewhere. Snow and hail squalls in many parts of the British Islands, at Helsingfors and also at Hermonstadt; rain at Copenhagen, Münster, Lyons and Jersey, more hail, or cold rain during day over the British Islands and Northwestern Europe generally; and a little at Moscow; thunderstorms in many parts of England during showers.

Temperature risen over the Baltic and Central Europe, fallen in the northwest and west, and low generally. Morning readings exceeding 50° on the Spanish coast and on the southern side of the Mediterranean only, below 40° in the north and east of our Islands and in Denmark, and as low as -1° at Kuopio, +4° at Archangel, 5° at Helsingfors and Haparanda, 9° at St. Petersburg, 18° at Riga, 20° at Hermonstadt, and below 32° F. over Russia, Hungary and Poland generally. Below 50° in our Islands and north of France all day (below 40° at Stornoway and Malin Head) but rising to between 57° to 68° in the south of France and in Italy, and to rather more than 60° in some parts of Algeria. Night very cold over British Islands.

Wind fresh to a gale from between west and northwest over the United Kingdom and Channel, S.W. to S.E. over the countries lying to the eastward of the North Sea, S.W. over Germany, and the east of France, very light and variable over Russia, southeastern and southern Europe and the Mediterranean. W. wind spreading southwards over France from the Channel later, W. to S.W. wind blowing a very strong and equally breeze in our Islands.

Barometer. Highest 30.3 inches and more to 30.1 inches over Algeria, the Mediterranean, and the whole of southern Europe, and exceeding 29.9 inches over Finland and the White Sea. Lowest 29.7 inches and less in a depression lying between the Netherlands and the west of Norway, and 29.7 inches and less over Central Russia. Northern depression moving southeastwards over Norway, later and barometer rising over 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Saturday, 28th March, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ...	29.70	15	Z	0	b	29.67	- 0.8	18	17	+ 4	NE	4	bc	*	30	?		
	Hernösand ...	29.47	31	Z	0	s	29.50	+ 0.1	29	28	- 3	Z	0	s	*	32	27	0.47	
	Stockholm ...	29.49	33	Z	0	c	29.52	+ 1.0	35	32	+ 1	Z	0	c	*	41	28		
	Wisby ...	29.54	35	SW	4	o	29.51	+ 0.7	35	34	+ 1	WSW	4	c	*	39	32		
	Bodö ...	29.51	34	E	5	o	29.51	+ 0.3	28	24	- 3	E	4	c	2	34	25		
	Christiansund	29.36	35	E NE	1	bc	29.34	+ 1.6	36	33	- 2	ESE	1	bc	3	45	32		
	Skudesnæs ...	29.32	36	SE	2	bc	29.36	+ 1.8	34	33	- 3	Z	0	s	3	37	?		
	Christiania Fjord (Fæder)	29.38	36	SW	3	b	29.40	+ 2.3	35	35	0	SSE	3	s	3	37	32		
	Skagen (The Scaw)	29.38	37	S	2	b	29.35	+ 0.8	35	34	- 2	SE	4	o	3	41	34		
	Fanö ...	29.36	36	S	6	c	29.25	- 2.0	36	35	- 1	SW	4	v	*	41	32	0.28	
BRITISH ISLANDS.	Sumburgh Head	29.33	40	NNE	4	bc	29.56	+ 4.3	38	37	0	N	5	bc	5	43	35	0.14	
	Stornoway ...	29.63	40	N	4	r	29.83	+ 3.7	39	37	+ 1	NW	4	o	4	45	34	0.05	
	Wick ...	29.38	40	N	5	o	29.70	+ 4.8	38	37	+ 1	N	5	o	6	42	35	0.25	
	Nairn ...	29.44	40	NW	4	o	29.77	+ 4.2	39	37	+ 3	NW	3	c r	3	42	35	0.17	
	Aberdeen ...	29.30	40	NW	6	c p q	29.69	+ 4.2	39	37	+ 4	NW	5	c q p	4	43	35	0.22	
	Leith ...	29.40	41	NE	3	c	29.75	+ 3.3	41	37	+ 5	SW	1	bc	*	45	34		
	Shields ...	29.38	40	WSW	5	o	29.66	+ 1.9	39	38	+ 1	NW	5	c p	5	45	35	0.06	
	Spurn Head ...	29.49	42	WNW	7	c q	29.59	+ 0.2	41	39	+ 3	NW	6	c q p	5	43	36	0.07	
	York ...	29.49	41	W	4	bc	29.68	+ 0.8	41	38	+ 3	NW	3	c	*	46	35	0.05	
	Loughborough	29.61	42	W	4	b	29.71	- 0.1	41	38	+ 5	WNW	3	c	*	46	36	0.03	
GERMANY & HOLLAND.	Ardrossan ...	29.48	44	NW	4	o	29.80	+ 2.6	42	39	+ 2	NW	3	o	3	45	37		
	Malin Head ...	29.60	41	NW	6	c q p	29.91	+ 2.7	42	38	+ 4	WNW	6	o q	4	43	36	0.02	
	Mullaghmore ...	29.74	43	NW	6	c q p h	29.99	+ 2.0	42	39	+ 3	WNW	6	c q p h	4	43	36	0.27	
	Belmullet ...	29.89	41	N	3	c p h	30.07	+ 2.0	43	41	+ 5	N	2	bc	*	43	37	0.23	
	Donaghadee ...	29.61	41	WNW	5	o p	29.87	+ 1.8	43	41	+ 8	NE	6	b	4	43	34	0.02	
	Liverpool (Bidston)	29.59	41	W	6	c	29.79	+ 1.1	41	39	+ 5	NW	5	c	4	43	36	0.10	
	Holyhead ...	29.69	43	WNW	5	c q	29.84	+ 1.0	44	41	+ 6	N	5	b q	5	45	38		
	Parsonstown ...	29.86	40	Z	0	b	30.01	+ 1.3	40	38	+ 5	Z	0	b	*	46	33		
	Valencia ...	30.00	43	WNW	4	o	30.08	+ 0.4	44	41	+ 1	N	5	bc	3	46	38	0.14	
	Roche's Point...	29.91	43	WNW	5	b	30.01	+ 0.6	42	38	+ 3	NW	4	b	4	46	38	0.01	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.81	42	NW	5	bc	29.89	+ 0.2	44	41	+ 5	N	5	bc	4	44	36	0.12	
	Scilly ...	29.94	45	WNW	5	c p	29.93	- 1.3	44	42	0	WNW	4	c p	4	46	40	0.06	
	Prawle Point ...	29.86	41	NW	5	bc	29.85	- 1.4	42	41	+ 1	NW	4	b	2	46	35	0.19	
	Jersey (St. Aubin's)	29.91	45	W	4	b c q p h	29.86	- 1.9	45	41	0	WNW	5	c q m	4	49	40	0.14	
	Hurst Castle ...	29.78	41	W	6	bc	29.77	- 1.3	42	40	+ 2	WNW	6	bc	5	46	36	0.05	
	Dungeness ...	29.69	38	WNW	6	c	29.64	- 1.8	41	39	+ 2	WNW	6	o	5	47	33	0.12	
	London ...	29.69	39	WSW	2	b c p	29.70	- 1.1	41	37	+ 4	NW	4	o	*	45	34	0.02	
	Oxford ...	29.70	35	W	3	b	29.74	- 0.6	41	37	+ 4	NW	4	b	*	45	34	0.01	
	Cambridge ...	29.63	40	W	2	b	29.67	- 0.8	43	41	+ 5	N	3	c	*	50	34	0.03	
	Yarmouth ...	29.56	41	W	5	b q	29.53	- 1.4	40	39	+ 4	WNW	5	c q p	4	43	33	0.27	
PENINSULA.	Cuxhaven ...	29.55	37	WSW	3	o	29.39	- 1.7	35	35	0	SSW	5	s	*	40	33	0.16	
	Berlin ...	29.68	36	W	2	o	29.53	- 1.4	33	32	- 2	SE	2	bc	*	43	30	0.08	
	Wiesbaden ...	*	*	*	*	*	29.65	- 2.4	37	35	- 1	SW	2	c	*	45	34	0.16	
	Munich ...	29.89	36	SW	7	b	29.76	- 2.2	32	31	- 2	SW	4	o	*	39	28	0.04	
	The Helder ...	29.52	39	SW	3	b	29.35	- 2.9	37	36	0	NW	2	o	3	41	36	0.08	
	Brussels (9 a.m.)	*	*	*	*	*	29.54	- 2.9	34	33	- 2	WSW	5	r	*	43	31	0.16	
	Cape Gris Nez	29.68	37	W	5	o	29.61	- 2.0	39	37	+ 1	WNW	6	o	6	43	32	0.24	
	Paris ...	29.85	43	WSW	4	c	29.81	- 2.3	36	34	+ 1	SW	3	c	*	47	34	0.08	
	Brest ...	30.05	46	WNW	4	o	30.01	- 1.8	44	40	0	NW	3	c	3	46	32	0.08	
	Lorient ...	30.03	46	W	5	bc	29.95	- 2.1	42	39	- 1	NW	3	bc	4	48	41		
FRANCE AND BELGIUM.	Rochefort ...	30.11	47	W	4	r	29.97	- 2.4	45	46	- 1	W	3	o	*	52	36	0.20	
	Belfort ...	?	35	W	3	o	?	?	37	?	?	W	3	o	*	47	?	0.16	
	Lyons ...	30.08	44	S	1	c	29.95	- 2.5	41	37	+ 5	WSW	1	c	*	51	?		
	Nice ...	29.91	51	W	8	c	29.86	- 1.3	46	36	- 1	SW	5	c	5	61	43		
	Perpignan ...	30.17	52	S	2	o	30.04	- 2.2	?	?	?	W	2	o	*	61	46		
	Biarritz ...	30.26	50	WSW	3	o	30.08	- 2.0	47	46	- 3	NW	3	r	?	55	45	0.22	
PENINSULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.26	53	W	4	b	30.17	- 1.7	50	47	+ 3	N	1	b	*	61	46		

WEATHER CHARTS

for 8 a.m. on Saturday, 28th March, 1891.

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.

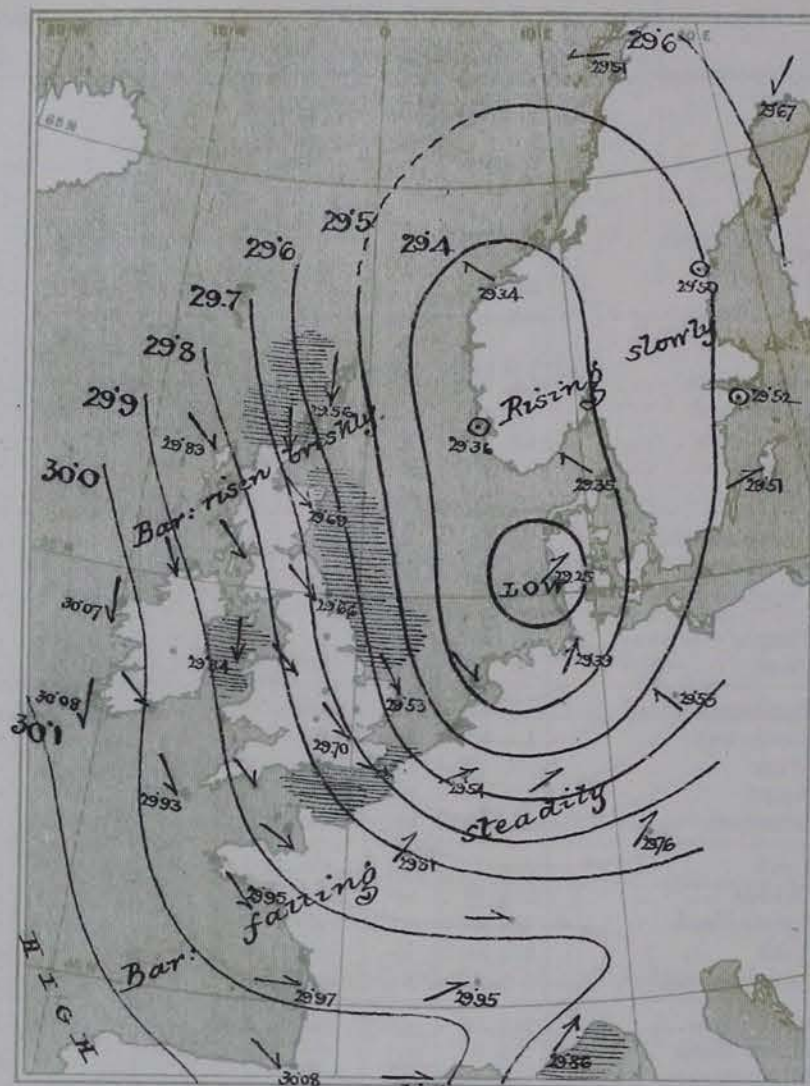
SEA DISTURBANCE—Where considerable, is shown thus:

— = 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. ins.
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	29.874
Donaghadee	29.882
Holyhead	29.907
Liverpool	29.911
Parsonstown	29.924
Valencia	29.925
Roche's Point	29.927
Pembroke	29.929
Scilly	29.947
Prawle Point	29.955
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.

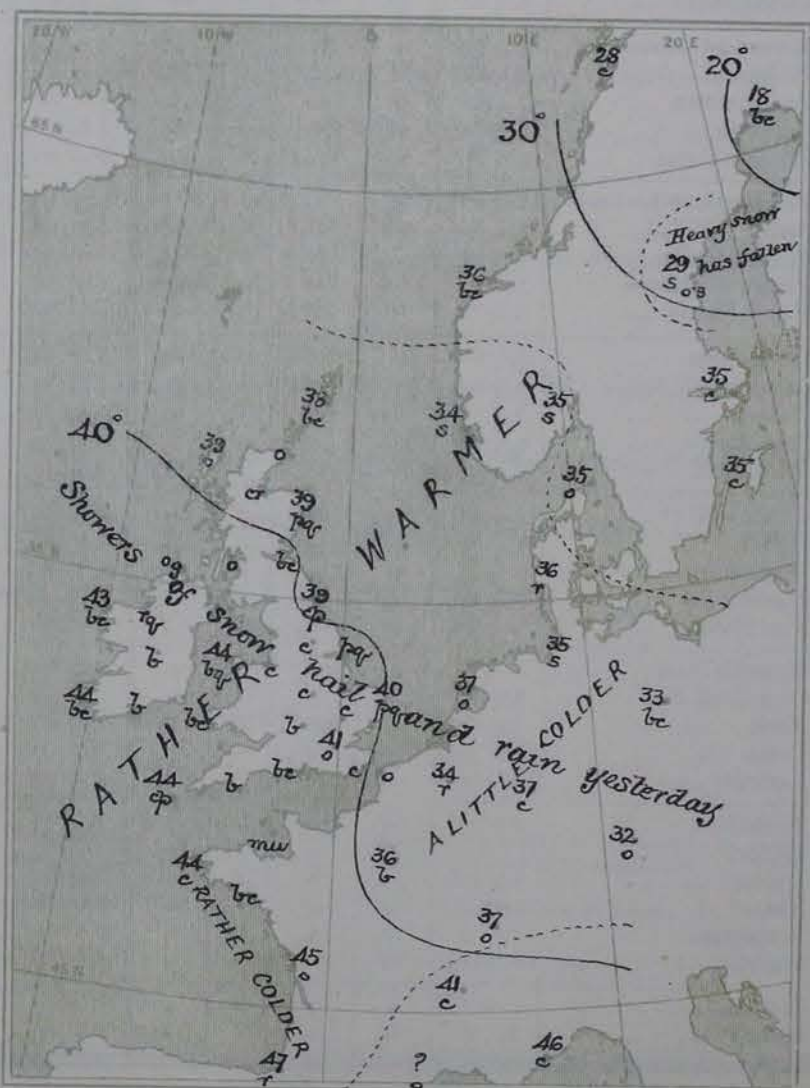
WEATHER—Is shown by letters of the Beaufort Scale.

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	41.0	34.5	39.1	38.1	3.79
Wick	41.8	31.0	39.0	37.2	2.02
Nairn	45.0	33.2	38.0	36.2	1.08
Aberdeen	45.4	34.4	38.5	36.5	2.38
Leith	47.9	34.0	39.5	37.7	1.41
Shields	45.9	35.2	39.4	37.8	1.75
Spurn Head	41.7	35.6	39.7	38.4	1.22
York	48.1	34.0	38.5	37.9	1.78
Loughborough	49.5	34.2	39.0	37.3	1.64
Ardrossan	46.3	33.3	40.1	38.6	2.14
Mullaghmore	47.9	38.4	41.9	40.2	2.61
Donaghadee	47.2	37.1	40.6	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	42.0	41.2	1.85
Jersey	49.5	39.9	44.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
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	34.0	38.0	37.4	1.59
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, 30.1 ins. and more to 29.9 ins. over Spain, the Bay of Biscay, and the west and southwest of France; 29.5 ins. and more over the Baltic.
Lowest, 29.3 ins. and less, in a depression near Paris; 29.4 and less, over Norway.

Gradient moderate, and decreasing slowly.

Barometer rising except over Spain, France, and the eastern shore of the North Sea.

TEMPERATURE

Highest, 50° at Lisbon, 47° at Biarritz, 45° at Jersey, 44° at Valencia Island.

Lowest, 18° at Haparanda, 29° at Helsingfors, 32° at Munich, 33° at Berlin, 36° at Paris, and 41° in London.

There has again been a sharp frost on the grass over England during the night, notwithstanding the freshness of wind.

WIND

(1) N¹ to NW¹, fresh in Scotland; NW¹, moderate in Ireland and the Hebrides; NW strong and squally over England and the Channel.

(2) W¹, moderate over the greater part of France, SW over Western Germany, S in Holstein, SE in the Skagerrak, E in the northwest of Norway.

WEATHER

Fine and bright at many of the western stations, cloudy, squally, and rather showery elsewhere.

Snow or hail fell in all parts of our Islands yesterday and at some northern and southeastern stations the showers were heavy.

SEA

Rather rough on all exposed parts of our coasts, moderate elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the east appears to be filling up slowly, so that a gradual decrease in the force of the wind, and in the sea disturbances is probable.

FORECASTS

For the 24 hours ending at NOON on 29TH MARCH 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Same as No 5

NW¹ and N¹ winds, strong to moderate; squally, some cold showers. Very cold at night.

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

NW¹ and N¹ winds, moderating slowly; a few cold passing showers. Very cold at night.

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		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.25	36	35	SSE	6	r	4	Holyhead ...	29.72	43	43	WNW	5	cq	5
Sumburgh Head ...	29.22	41	40	NE	4	c	5	Valencia ...							
Stornoway ...	29.15	45	44	N	7	r	6	Scilly ...							
Aberdeen ...								Jersey ...	29.96	48	43	WNW	5	bu	4
Shields ...								Dungeness ...	29.73	39	37	W	8	0	6
Ardrossan ...								London ...							8
Malin Head ...	29.61	42	39	NW	6	oqp	5	Yarmouth ...							
Mullaghmore ...	29.61	40	38	NW	6	cqhrs	4	Rochefort ...	30.22	51	47	WNW	4	c	2
Belmullet ...	29.90	42	39	NW	4	0	*								

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

Weather fine and bright over many part of Lapland, Finland, and northern Russia, and also over the southern part of Spain, the Mediterranean and southeastern Europe; cloudy, changeable, and unsettled elsewhere, snow, hail, or cold rain showers in many parts of the British Islands, snow in Sweden, at Berlin, and Kiev, rain at Mennel + Casow. Snow and hail showers over northwestern Europe generally during day, rain in several parts of France. Heavy snow reported at Hemsand.

Temperature very low generally for the time of year, exceeding 50° on the Portuguese coast and at some of the Mediterranean stations only; exceeding 40° at the other Mediterranean stations, in the west of France, and the southern parts of the British Islands; below 40° elsewhere, and as low as 3°F at Archangel, 8° at Kuopio, 12° at Uleaborg and Helsingborg, and below the freezing point over all the inland parts of Russia. Not touching 50° at any of our own and the German stations later, but exceeding that value in the southwest and south of France, and exceeding 60° at Nice, Perpignan and Lisbon.

Wind strong and squally from between N. and W. over the British Islands, the Channel and northwest of France, and blowing a gale at some exposed places, moderate W over Germany, and the southern parts of the Baltic, SE over Finland and the northern half of Scandinavia. Fresh to strong NW over the northwestern part of the Mediterranean, S and SW over Italy, and a strong gale from SW at Palermo. Remaining squally throughout our Islands during day, but inclined to decrease.

Barometer highest 30.4 ins. and more to 30.1 ins. over the Spanish Peninsula, the Bay of Biscay, the southwestern half of France and the greater part of the Mediterranean and southeastern Europe; 29.9 ins. and more over northern Russia. Lowest about 29.1 ins. in a depression between the Shetland Islands and Norway, below 29.7 ins. over North Germany, and slightly below 30.0 ins. in a small depression over the Riviera and Gulf of Genoa. The northern depression moving southwards later and barometer rising over Norway, Scotland, and the north of Ireland.

NOTE— The Report for Good Friday will not be issued before Monday.

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. The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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Weekly " " " £1 10 0 "

DAILY WEATHER REPORT.

for Sunday 29th March 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.57	26	NE	4	S	29.72	+ .05	24	23	+ 6	E	4	S	*	32	9	0.04
	Hernösand ...	29.56	28	Z	0	S	29.56	+ .06	32	31	+ 3	NE	2	S	*	36	27	0.08
	Stockholm ...	29.51	?	SE	2	0	29.47	- .05	33	28	- 2	E	2	C	*	50	27	-
	Wishby ...	29.49	31	SSE	4	b	29.43	- .08	33	32	- 2	E	4	b	*	?	?	-
	Bodö ...	29.44	28	SE	6	C	29.48	- .03	29	23	+ 1	E	6	b	3	?	23	-
	Christiansund	29.25	36	WSW	1	bc	29.19	- .15	35	31	- 1	E	2	bc	3	39	32	-
	Skudesnaes ...	29.33	35	SE	4	C	29.27	- .09	35	34	+ 1	SSE	4	0	3	42	34	-
	Christiania Fjord (Færdar)	29.38	34	ENE	3	0	29.29	- .11	33	33	- 2	E	3	S	2	36	32	-
	Skagen (The Scaw)	29.26	33	SSE	3	0	29.23	- .12	35	35	0	SSE	3	0	3	?	?	0.28
	Fanö ...	29.37	33	NW	4	b	29.26	+ .01	35	35	- 1	SSW	4	r	*	37	32	0.16
BRITISH ISLANDS.	Sumburgh Head	29.30	40	NNW	3	C	29.42	- .14	29	28	- 9	N	3	bc	4	41	26	0.17
	Stornoway ...	29.61	44	NW	4	r	29.73	- .10	32	32	- 7	NW	4	S	4	45	29	0.06
	Wick ...	29.45	40	NW	4	0	29.58	- .12	30	30	- 8	N	7	sw	4	42	29	0.25
	Nairn ...	29.54	40	NNW	4	r	29.66	- .11	33	32	- 6	NW	3	C	3	42	32	0.10
	Aberdeen ...	29.53	40	W	6	C	29.61	- .08	35	32	- 4	WNW	6	ey	5	44	32	0.03
	Leith ...	29.66	42	W	1	C	29.69	- .06	37	33	- 4	NW	1	b	*	47	36	-
	Shields ...	29.69	43	WNW	3	0	29.65	- .01	36	33	- 3	NW	3	bc	4	45	33	0.05
	Spurn Head ...	29.71	39	NW	3	op	29.62	+ .03	37	36	- 4	NW	5	op	4	44	35	0.10
	York ...	29.74	44	WNW	2	C	29.69	+ .01	40	34	- 1	NW	4	b	*	47	35	0.02
	Loughborough	29.79	44	WNW	4	C	29.70	- .01	43	40	+ 2	WNW	4	Cq	*	49	40	0.01
GERMANY & HOLLAND.	Ardrossan ...	29.73	45	WNW	3	C	29.72	- .08	41	37	- 1	NW	6	b	4	45	37	0.01
	Malin Head ...	29.81	43	NW	5	C	29.80	- .11	41	40	- 1	NNW	4	bop	4	44	39	0.05
	Mullaghmore ...	29.98	43	WNW	5	C	29.91	- .08	45	42	+ 3	NNW	6	Cpq	4	46	40	0.10
	Belmullet ...	30.04	44	WNW	4	bc	29.98	- .09	46	45	+ 3	NNW	4	0	*	47	42	0.06
	Donaghadee ...	29.84	44	N	3	C	29.82	- .05	43	42	0	NW	3	b	2	47	42	0.04
	Liverpool (Bidston)	29.83	41	WNW	5	0	29.74	- .05	43	40	+ 2	W	6	C	4	46	38	0.13
	Holyhead ...	29.89	43	NW	4	0	29.83	- .01	43	42	- 1	NNW	4	Cq	4	45	41	0.05
	Parsonstown ...	30.01	44	Z	0	bc	29.96	- .05	45	43	+ 5	W	1	0	*	48	39	-
	Valencia ...	30.12	46	N	4	C	30.09	+ .01	47	44	+ 3	NNW	4	ag	3	50	42	0.02
	Roche's Point...	30.03	47	N	4	b	30.01	00	45	41	+ 3	NW	4	bc	4	51	40	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.96	44	NW	2	bc	29.91	+ .02	44	43	0	WNW	5	Cq	5	47	42	-
	Scilly ...	30.01	45	N	4	b	30.01	+ .08	45	43	+ 1	NW	5	cp	3	46	42	-
	Prawle Point ...	29.94	43	NNW	3	b	29.95	+ .10	42	41	0	NW	3	C	2	53	36	0.02
	Jersey (St. Aubin's)	29.92	47	WNW	4	b	29.95	+ .09	47	43	+ 2	WNW	5	bcw	4	50	41	-
	Hurst Castle ...	29.86	45	NNW	4	bc	29.84	+ .07	43	41	+ 1	WNW	6	bc	4	50	38	-
	Dungeness ...	29.79	41	NNW	2	C	29.74	+ .10	40	39	- 1	WNW	5	bc	4	47	36	0.16
	London ...	29.80	45	W	2	bcw	29.75	+ .05	43	40	+ 2	WNW	3	C	*	48	37	-
	Oxford ...	29.85	41	WNW	3	C	29.76	+ .02	41	39	0	WSW	3	bc	*	49	35	-
	Cambridge ...	29.78	44	NW	3	bc	29.68	+ .01	44	42	+ 1	NW	3	C	*	52	36	-
	Yarmouth ...	29.70	40	NNW	4	C	29.59	+ .06	41	40	+ 1	NW	4	ag	4	44	34	0.08
PENINSULA.	Cuxhaven ...	29.41	34	NW	5	0	29.40	- .01	35	35	0	SW	3	S	*	38	34	0.07
	Berlin ...	29.43	38	SSW	4	0	29.43	- .10	35	35	+ 2	W	4	S	*	42	34	0.04
	Wiesbaden ...	*	*	*	*	*	29.69	+ .04	37	36	0	SW	3	0	*	43	34	0.04
	Munich ...	?	32	SW	8	m	29.72	- .04	32	31	0	W	6	S	*	37	28	0.04
	The Helder ...	29.59	39	NW	3	C	29.50	+ .15	38	37	+ 1	NNW	3	r	3	41	37	0.08
	Brussels (9 a.m.)	*	*	*	*	*	29.69	+ .15	36	35	+ 2	WSW	4	r	*	44	32	0.08
	Cape Gris Nez	29.77	41	N	2	bc	29.73	+ .12	39	37	0	W	5	0	5	45	36	0.08
	Paris ...	29.83	44	NW	3	bc	29.87	+ .06	38	36	+ 2	W	2	b	*	50	35	-
	Brest ...	30.00	48	NW	2	bc	30.07	+ .06	45	42	+ 1	N	3	C	3	49	40	-
	Lorient ...	29.96	47	N	3	b	30.02	+ .07	42	39	0	NW	2	b	2	50	39	-
PENINSULA.	Rochefort ...	29.96	47	NW	5	bc	30.01	+ .04	43	41	- 2	N	3	b	2	52	38	-
	Belfort ...	29.89	40	SSW	1	b	29.98	+ .03	38	36	- 3	NE	1	C	*	49	33	-
	Lyons ...	29.71	49	W	6	bc	29.72	- .14	44	42	- 2	NNE	4	0	1	59	34	-
	Nice ...	29.91	51	NW	2	0	29.96	- .08	46	41	?	N	3	b	*	58	41	-
	Perpignan ...	29.99	47	WSW	3	0	30.01	- .07	41	39	- 6	E	3	C	3	52	37	0.20
	Biarritz ...	29.99	47	WSW	3	0	30.01	- .07	41	39	- 6	E	3	C	3	52	37	0.20

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Sunday, 29th March, 1891.

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.

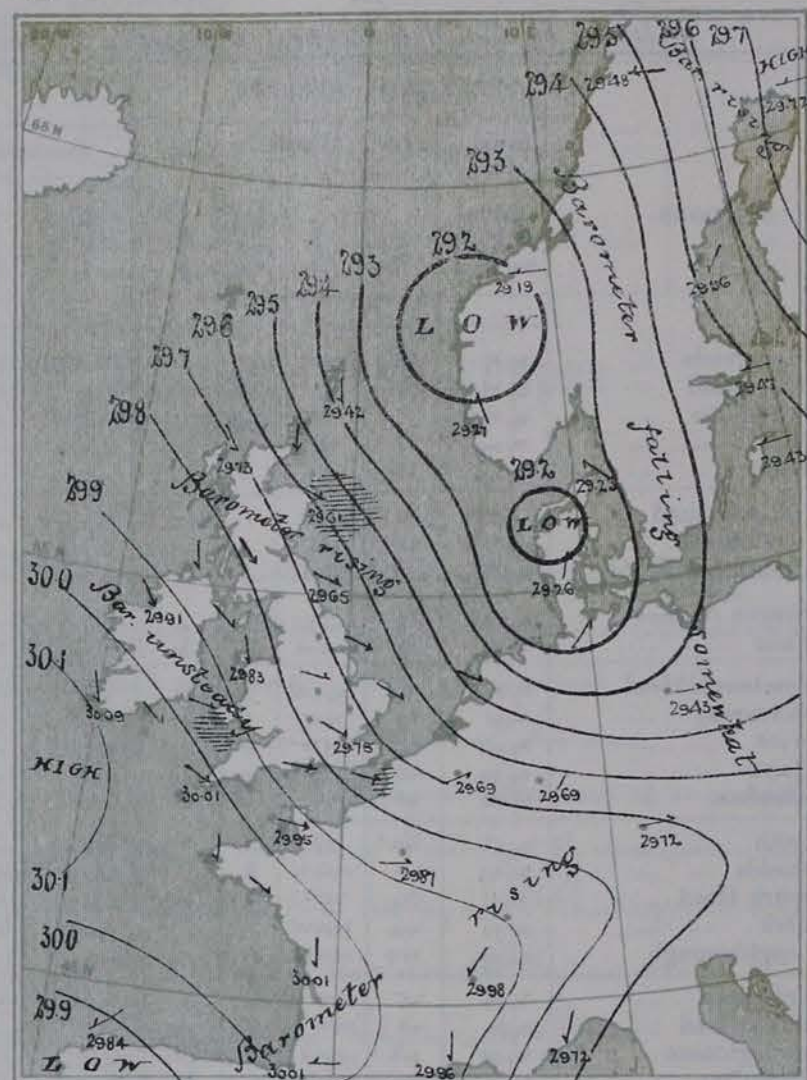
SEA DISTURBANCE—Where considerable, is shown thus:

— = 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	29.955
Mullaghmore	29.974
Donaghadee	29.982
Holyhead	29.997
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	29.991
Hurst Castle	29.954
Dover	29.933
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.

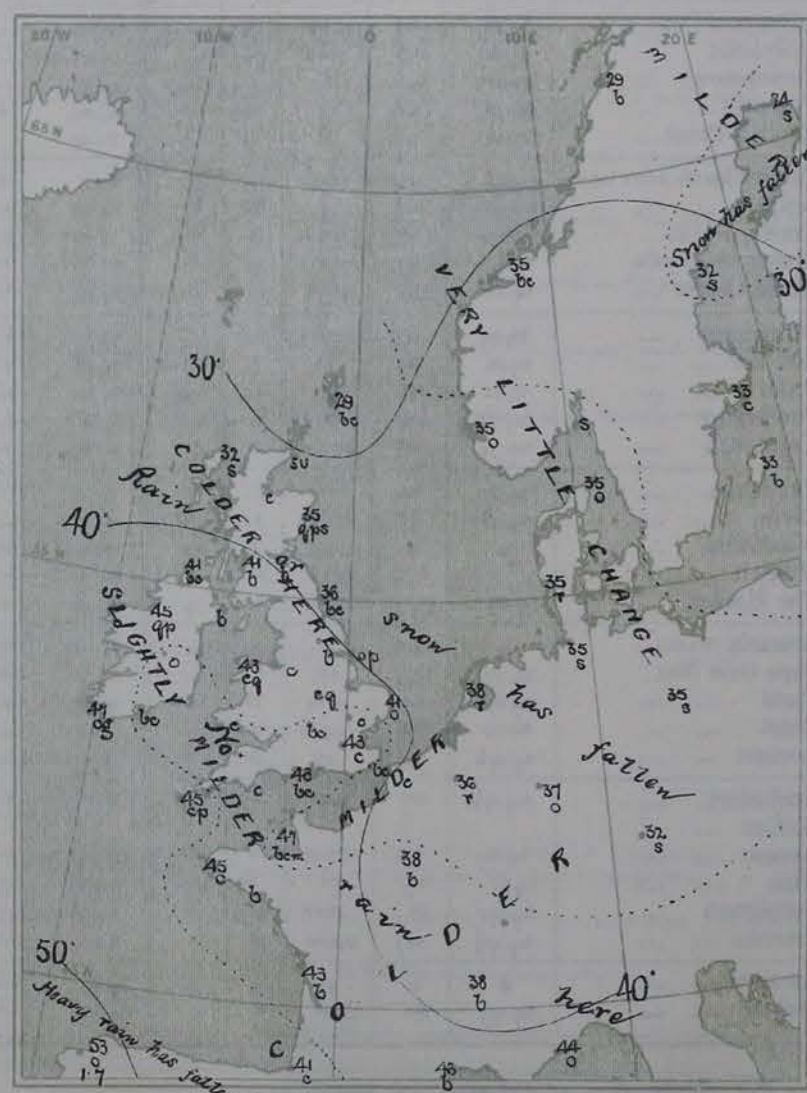
WEATHER is shown by letters of the Beaufort Scale.

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.	at 8 a.m. Wet.	
Sumburgh Head.....	42.6	33.9	38.5	36.9	2.79
Stornoway	44.9	34.5	39.1	38.1	8.79
Wick	44.8	34.0	39.0	37.2	2.02
Nairn	45.0	33.0	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	34.0	38.5	37.0	1.73
Loughborough	49.5	34.2	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	2.61
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	40.8	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	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	49.5	42.5	45.0	43.2	2.40
Prawle Point	48.1	37.7	42.6	41.2	1.95
Jersey	40.5	39.0	41.0	42.0	2.33
Hurst Castle	47.8	37.2	41.0	40.1	1.84
Dover	46.4	38.9	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	33.0	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30.1 ins. to 29.9 ins. over the southern part of the British Islands, the west of France and the Bay of Biscay; (2) 29.7 ins. and more over Central Europe; (3) 29.7 ins. and less, to 29.3 ins. in a depression over Norway, Denmark, Holstein, and the Sound; (4) 29.5 ins. and less in another approaching from the Atlantic. Gradients somewhat steep over the North Sea, and the Netherlands, generally moderate elsewhere. Barometer rising over France, the north and northwest of our Islands and the northern part of Scandinavia, falling irregularly elsewhere.

TEMPERATURE

Highest, 57° at Lisbon, 53° at Fiume, 47° at Valencia Island, 45° at Scilly, and 43° in London. Lowest, (1) 44° at Haparanda, 23° at Oslo, 32° at Helsingfors, and also at Munich; (2) 29° at Lumburg, 11° at Kiel, 32° at Stornoway, and 33° at Narvik. It has been down to 30° or less at Lumburg, H. Stornoway, and Kiel during the night; to 37° in the shade and 32° on the grass in London.

WIND

E over the greater part of Scandinavia, strong at Oslo. N and NW, strong to a gale in Scotland; NW, moderate to strong in Ireland and England. W, fresh to moderate in the north of France and over Germany; N in the south of France. At Lisbon the wind, shifted to the S.

WEATHER

Fair as a whole on our western and southern coasts and in the west of France, fine in the south of France. Unsettled generally elsewhere. Snow is falling at many stations to the eastward of the North Sea, Cold rain and snow on our north and northeast coasts. Wick reports a very threatening appearance. Heavy rain has fallen at Limerick and Limerick.

SEA

Rather rough at Aberdeen. C. for N. and Pembroke, moderate elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 30th March 1891.

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.

The NORTH CONE was rehoisted yesterday in districts 0, 1, 6, 7, and 9.

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		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.71	42	36	NNW	4	b	3	Holyhead ...	29.95	42	38	N	5	b	5
Sumburgh Head ...	29.76	39	38	NNW	1	bc	4	Valencia ...	30.07	50	45	NNW	1	o	1
Stornoway ...	29.97	38	36	N	4	c	4	Scilly ...	30.00	46	43	NNE	4	bc	3
Aberdeen ...	29.89	39	35	NW	4	bcg	4	Jersey ...	29.90	49	43	NW	5	bc	4
Shields ...	29.80	40	38	N	4	bc	4	Dungeness ...	29.74	43	37	NNW	4	c	3
Ardrossan ...	29.81	45	42	W	5	o	3	London ...	29.89	44	37	NW	4	bc	*
Malin Head ...	29.92	44	40	NW	5	bc	4	Yarmouth ...	29.67	40	36	NNW	5	bcgshp	?
Mullaghmore ...	30.04	42	37	NNW	5	og	3	Rocheport ...	29.97	57	48	NW	5	c	
Belmullet ...	30.08	44	39	NE	1	c	*								

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

Weather fine in the west and south of our Islands, as well as over the greater part of France and the Mediterranean. Cloudy or overcast elsewhere, with passing showers on the east coasts of St. Britain, and snow over the Baltic provinces and many parts of Scandinavia and Germany. Snow falling later in the north of Scotland and heavy rain in the western parts of the Iberian peninsula (1.7 ins. at Corunna and 1.1 ins. at Lisbon).

Temperature highest 59° at Algiers, 56° at Barcelona, Palma and La Calle, and 55° at Palermo; above 50° at most of the Mediterranean stations and also over the Adriatic. Lowest 10° at Archangel, 15° at Kuopio, 18° at Haparanda, and 19° at Uleaborg; below the freezing point over the northern parts of Russia and Scandinavia generally, and below 40° in the north of Scotland. Daily maxima below 50° over the greater part of the United Kingdom and below 40° at some of the German stations but thermometer exceeding 55° in the south of France.

Wind moderate to strong from the NWnd over our Islands and the west of France; moderate from the SWnd over Italy the east and south of France, and western Germany; light from the Snd over Denmark, the Baltic and eastern Germany. E^{ly} or variable over Scandinavia; S^{ly} in Algeria; variable over the Spanish peninsula. Strong S^{ly} wind setting in at Lisbon in evening.

Barometer highest 30.2 ins. and upwards over Algeria; 30.1 ins. and upwards over Spain and the southern parts of the Mediterranean and also (apparently) to the westward of Ireland. Lowest 29.25 ins. to 29.4 ins. in an elongated depression extending from the mouth of the Trondjemstjord to Holland and North Germany. New disturbance appearing later to the northward of the Shetlands; shallow cyclonic system lying all day off the Portuguese coast.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Monday, 30th March,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

PUBLISHED BY THE METEOROLOGICAL OFFICE, 55, VICTORIA STREET, LONDON. H. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 6.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.83	19	NE	2	b	29.88	+ 16	17	16	- 7	NE	4	S	*	32	?	-
	Hernösand ...	29.62	31	NE	2	o	29.72	+ 16	27	26	- 5	NE	4	S	*	37	27	0.08
	Stockholm ...	29.51	30	E	2	b	29.54	+ 07	28	27	- 5	NE	2	O	*	41	28	-
	Wisby ...	29.45	30	E	4	b	29.42	- 01	33	32	0	ESE	4	bc	*	39	28	-
	Bodö ...	29.67	31	E	2	b	29.80	+ 32	30	26	+ 1	E	4	b	2	36	23	-
	Christiansund	29.37	37	N	3	b	29.63	+ 44	33	30	- 2	ESE	2	bc	2	43	30	-
	Skudesnaes ...	29.18	29	NW	2	b	29.57	+ 30	30	?	- 5	ESE	2	b	0	?	36	-
	Christiania Fjord (Fjorder)	29.34	33	E	5	S	29.55	+ 26	32	30	- 1	NNE	5	r	2	34	30	-
	Skagen (The Seaw)	29.25	35	S	2	o	29.45	+ 22	34	32	- 1	SE	4	bc	3	37	32	-
	Fanö ...	29.19	33	NW	6	r	29.23	- 03	33	33	- 2	NNE	6	c	*	41	32	0.28
BRITISH ISLANDS.	Sumburgh Head	29.36	28	N	4	S	29.66	+ 24	34	33	+ 5	N	3	b	4	34	25	0.08
	Stornoway ...	29.75	34	NW	6	o	29.89	+ 16	33	32	+ 1	N	6	S	6	35	28	0.05
	Wick ...	29.63	30	N	7	bc	29.76	+ 18	36	35	+ 6	N	6	c	5	36	28	0.18
	Nairn ...	29.67	38	NW	4	c	29.82	+ 16	34	33	+ 1	NW	2	c	3	38	30	0.01
	Aberdeen ...	29.61	31	NW	6	c	29.75	+ 14	33	32	- 2	NW	4	sq	5	37	30	0.75
	Leith ...	29.69	38	NW	1	bc	29.79	+ 10	37	33	0	NW	3	bc	*	48	30	-
	Shields ...	29.65	38	N	3	o	29.66	+ 01	35	33	- 1	NW	4	asp	5	44	27	-
	Spurn Head ...	29.62	40	NW	1	c	29.60	- 02	34	32	- 3	NW	8	bc	5	42	31	0.03
	York ...	29.67	42	NW	3	c	29.69	00	36	33	- 4	N	3	c	*	48	27	0.02
	Loughborough	29.73	43	NW	4	bc	29.76	+ 06	35	30	- 8	NW	5	b	*	50	30	-
GERMANY & HOLLAND.	Ardrossan ...	29.74	41	NW	7	bc	29.84	+ 12	39	34	- 2	N	1	b	0	45	33	-
	Malin Head ...	29.82	40	NW	5	o	29.94	+ 14	38	34	- 3	NW	6	og p	3	44	36	-
	Mullaghmore ...	29.93	45	NW	5	c	30.00	+ 09	40	35	- 5	N	5	og	4	49	37	-
	Belmullet ...	29.98	46	NW	2	o	30.03	+ 05	42	39	- 4	N	2	o	*	49	39	0.06
	Donaghadee ...	29.83	41	NNE	4	c	29.91	+ 09	39	36	- 4	NNE	5	c	3	49	35	0.03
	Liverpool (Bidston)	29.76	40	N	5	c	29.82	+ 08	37	36	- 6	NW	5	bc	5	46	36	0.01
	Holyhead ...	29.82	46	NW	4	c	29.88	+ 05	39	36	- 4	N	5	bc	5	50	35	0.02
	Parsonstown ...	29.94	47	N	1	o	30.01	+ 05	38	37	- 7	NW	1	c	*	53	34	0.05
	Valencia ...	30.08	48	NW	2	o	30.06	- 03	47	45	0	NW	2	o	3	52	43	0.03
	Roche's Point...	29.99	48	NW	5	bc	30.02	+ 01	45	42	0	NW	3	bc	3	50	43	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.88	46	N	4	c	29.94	+ 03	41	38	- 3	NW	4	bcq	3	47	38	-
	Scilly ...	30.00	48	NW	5	c	29.99	- 02	46	44	+ 1	N	5	cp	3	48	43	0.02
	Prawle Point ...	29.94	46	E	4	c	29.93	- 02	43	40	+ 1	NW	1	b	1	48	36	0.03
	Jersey (St. Aubin's)	29.94	48	NW	5	b	29.89	- 06	45	41	- 2	NW	4	cgm	3	51	42	-
	Hurst Castle ...	29.82	46	NW	5	bc	29.82	- 02	40	38	- 3	NW	5	bc	3	55	36	-
	Dungeness ...	29.75	43	SW	3	c	29.73	- 01	36	32	- 4	NW	4	b	2	53	30	-
	London ...	29.73	47	NW	4	bc	29.75	00	36	31	- 7	NW	4	b	*	52	33	-
	Oxford ...	29.78	42	NW	4	r	29.79	+ 03	35	32	- 6	NW	3	b	*	51	32	0.03
	Cambridge ...	29.69	42	NW	3	o	29.73	+ 05	35	32	- 9	NW	3	b	*	50	28	0.09
	Yarmouth ...	29.68	40	NW	4	c	29.60	+ 01	33	31	- 8	NW	5	bcq	1	42	30	0.04
PENINSULA.	Cuxhaven ...	29.30	35	NW	7	S	29.29	- 01	34	33	- 1	NW	7	S	*	43	33	0.12
	Berlin ...	29.36	35	N	3	r	29.39	- 04	33	31	- 2	N	4	c	*	41	30	0.20
	Wiesbaden ...	*	*	*	*	*	29.48	- 21	34	32	- 3	N	0	o	*	43	32	0.12
	Munich ...	29.67	34	SW	8	o	29.57	- 15	32	32	0	SW	5	o	*	37	30	-
	The Helder ...	29.59	35	NW	4	o	29.44	- 06	35	33	- 3	NW	5	S	4	39	34	0.08
	Brussels (9 a.m.)	*	*	*	*	*	29.63	- 06	31	30	- 5	NW	4	S	*	42	30	0.12
	Cape Gris Nez	29.74	42	SW	1	o	29.71	- 02	35	31	- 4	NW	5	c	5	45	32	0.04
	Paris ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Brest ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lorient ...	30.01	48	NW	2	o	29.91	- 05	45	43	+ 3	NW	3	c	2	52	41	-
PENINSULA.	Rocheport ...	29.99	48	NW	4	b	29.97	- 04	46	45	+ 3	NW	4	b	*	55	36	-
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lyons ...	29.93	44	NW	3	c	29.89	- 09	40	35	+ 2	N	1	o	*	51	37	-
	Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PENINSULA.	Biarritz ...	30.01	50	NNE	4	b	30.03	+ 02	45	40	+ 4	ESE	1	o	4	54	32	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PENINSULA.	Lisbon ...	29.81	53	SW	2	b	29.82	- 00	46	47	- 9	NW	3	f	6	57	46	0.32

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 30th March, 1891.

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.

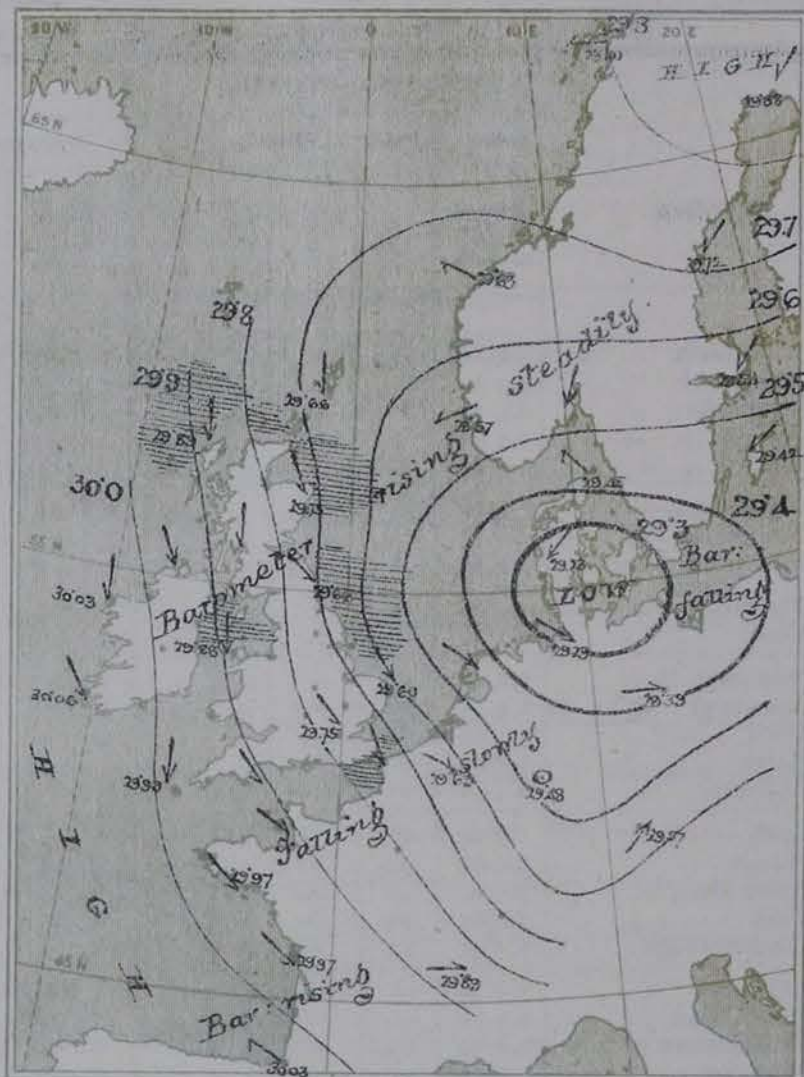
SEA DISTURBANCE—Where considerable, is shown thus:

⊞ = 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
Souru Head	29.896
York	29.908
Loughborough	29.932
Ardrossan	29.955
Midlothmore	29.974
Donaghadee	29.981
Holyhead	29.997
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.

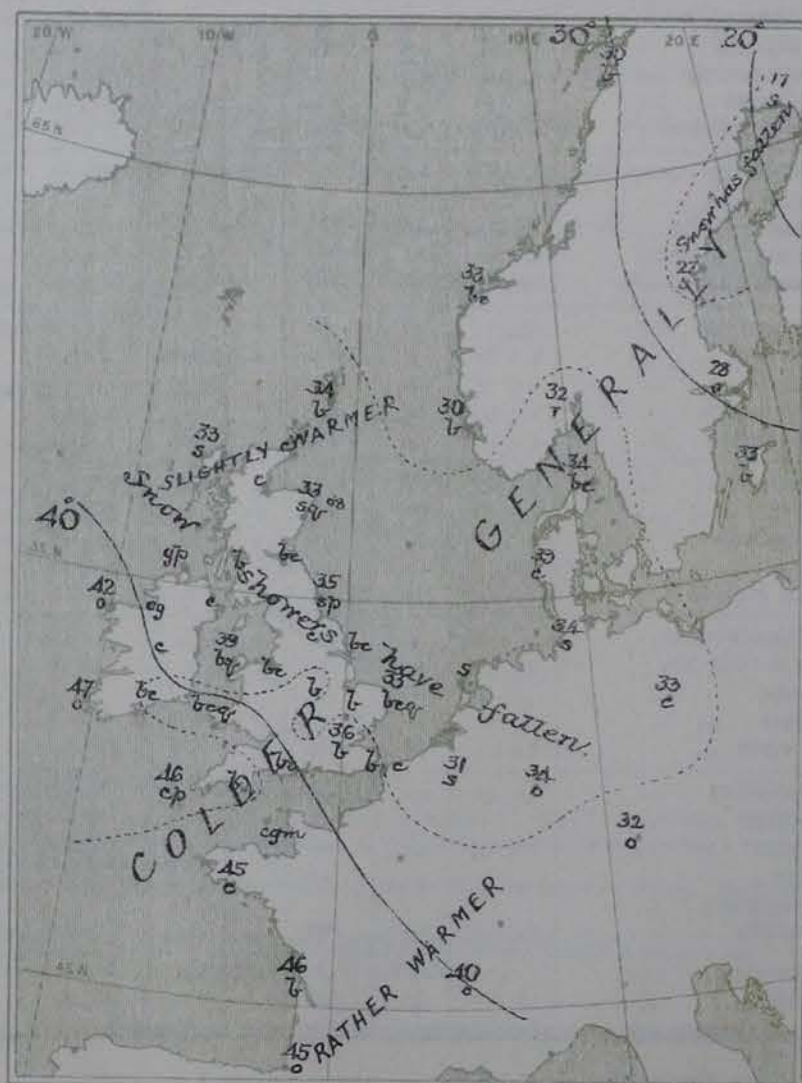
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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 4 p.m.	
Sumburgh Head	42.0	33.9	38.3	36.9	2.79
Stornoway	41.9	34.5	39.1	38.1	3.79
Wick	44.5	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
Souru Head	41.7	30.8	39.7	38.4	1.22
York	48.1	34.0	38.5	37.0	1.75
Loughborough	40.5	31.2	35.0	37.3	1.61
Ardrossan	40.3	35.3	40.1	38.5	2.44
Midlothmore	47.9	38.4	41.9	40.2	2.61
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	36.0	40.4	38.8	1.33
Valencia	51.1	40.2	44.9	42.8	4.20
Roche's Point	49.7	36.6	43.3	41.5	3.71
Pembroke	46.6	39.1	42.1	40.3	2.40
Sally	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	1.84
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	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 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. and more, to 23 Dins. over the Bay of Biscay and the western part of our Islands; 29.8 ins. and more, over England.
 Lowest, 29.3 ins. and less, in a depression the central part of which covers Holstein.
 Gradients moderate and decreasing.
 Barometer rising throughout our Islands and Scandinavia.

TEMPERATURE

Highest, 48° at Leith, 47° at Heligoland, 46° at Rye, 45° at Portland and Jersey.
 Lowest, 17° at Haparanda, 17° at Helsingfors, 31° at Brussels, 33° at Aberdeen and Berlin, 36° in London.
 It has been down to considerably below the freezing point in the northern and eastern parts of the Kingdom during the night.

WIND

E to NE, moderate, over Sweden and Norway; N, fresh, in Scotland and Ireland; NW, moderate to strong, over England and the Channel; WNW, strong, in the Netherlands; W over Germany.
 There was a fresh to strong N gale in several parts of Scotland yesterday.

WEATHER

Fair and dry over the greater part of our Islands, but snow squalls are still reported at various stations on the shores of the North Sea.
 Heavy snow fell at Aberdeen yesterday and smaller quantities over our northern and eastern districts generally.

SEA

Rough in the northeast, north and northwest moderate generally elsewhere except off sheltered parts of our southern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression in the East continues to move away, clearer weather is likely to prevail very generally but with very low temperatures at night, especially at inland stations.

FORECASTS

For the 24 hours ending at NOON on 31st March 1891.

DISTRICTS.

FORECASTS.

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

N^{ly} winds, moderating; snow showers at first, finer later, very cold.
 NW^{ly} winds, strong to moderate; dry and cold.

DISTRICTS.

FORECASTS.

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

N^{ly} winds, moderating; dry, cold.
 N^{ly} winds, light; dry, cold. Very cold inland tonight.

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		WEA	SEA		BAR	THER.		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.31	30	30	NW	4	S	4	Holyhead ...	29.86	49	46	NW	4	cy	6
Sumburgh Head ...								Valencia ...							
Stornoway ...	29.75	33	34	NW	6	0	6	Scilly ...							
Aberdeen ...								Jersey ...	29.94	51	47	WNW	5	60	4
Shields ...								Dungeness ...	29.75	48	44	N	5	60	2
Ardrossan ...								London ...							*
Mulin Head ...	29.83	42	40	NW	6	0	4	Yarmouth ...							
Mullaghmore ...								Rochefort ...	30.02	53	46	WNW	3	6	2
Belmullet ...	29.99	44	46	WNW	4	0	*								

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

Continental information not yet received

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD

FROM THE 21ST TO 28TH MARCH 1881.

During this week the weather over the United Kingdom has been almost uninterruptedly cold and unsettled. The high-pressure systems which lay over our neighbourhood at the end of last week soon moved southwards and depressions of considerable magnitude appeared off our northern coasts, and spread laterally over the Kingdom. Their movement was at first doubtful but after lingering for some time in the neighbourhood of the Shetland Islands and west of Norway they began to spread southwards towards the North Sea. The W. winds after increasing to a gale in several places began to veer towards NW. and N; they were very keen and were accompanied by squalls of snow, hail and cold rain which quickly spread over the whole of the British Islands and subsequently reached France and Germany. Thunderstorms of considerable intensity accompanied these snow showers over most parts of England during the day time of Thursday, but the nights of the latter part of the week were, as a rule, clear and frosty.

On Saturday one of these depressions was filling up over the eastern side of the North Sea, and the wind was moderating over England, with some improvement in the weather, but little rise of temperature. In the north, however, there were already indications of the approach of further disturbances from the northward, and the weather in Scotland was becoming very cold and remaining very unsettled.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE I.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 TUESDAY 31ST MARCH. 1891.

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

		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.			
STATIONS.		Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)	Weather.	Sea. (0 to 5.)	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.96	19	NE	4	bc	30.01	+1.13	14	12	-3	NE	6	bc	•	27	12	—	
	Hernösand ...	29.86	23	N	4	bc	29.83	+1.11	23	21	-4	N	6	bc	•	36	23	0.04	
	Stockholm ...	29.63	30	N	4	bc	29.61	+0.7	28	26	0	N	6	bc	•	36	25	—	
	Wisby ...	29.52	33	N	6	bc	29.78	+1.36	33	32	0	NNE	4	bc	•	36	25	0.01	
	Bodö ...	29.97	25	ENE	2	bc	30.06	+1.26	23	20	-7	ENE	4	bc	2	32	19	—	
	Christiansund	29.86	36	NE	2	c	29.98	+1.35	31	30	-2	ENE	2	bc	2	41	28	—	
	Skudesnaes ...	29.78	33	N	0	bc	29.87	+1.30	32	30	+2	ENE	2	bc	2	43	28	—	
	Christiania Fjord (Færdar)	29.72	34	N	3	c	29.84	+1.29	28	25	-4	N	5	bc	2	36	28	—	
	Skagen (The Seaw)	29.69	34	NE	2	bc	29.81	+1.26	30	29	-4	NE	3	bc	3	37	28	—	
	Fanö ...	29.67	32	NNE	4	c	29.83	+1.60	31	30	-2	N	2	bc	*	37	28	—	
BRITISH ISLANDS.	Sumburgh Head	29.80	38	N	3	bc	29.93	+1.27	38	37	+4	N	1	bc	3	41	33	0.05	
	Stornoway ...	30.00	37	N	3	c	30.00	+1.11	40	39	+7	N	0	bc	3	40	27	0.02	
	Wick ...	29.87	40	NW	4	c	29.98	+1.22	37	35	+1	NW	1	bc	1	42	32	0.05	
	Nairn ...	29.92	40	NW	1	c	30.00	+1.18	37	36	+3	W	1	bc	1	41	33	0.04	
	Aberdeen ...	29.90	37	WNW	5	bc	30.01	+1.26	37	35	+4	NW	2	bc	4	40	32	0.25	
	Leith ...	29.96	40	N	2	bc	30.02	+1.23	37	35	+2	W	1	bc	*	47	32	—	
	Shields ...	29.88	38	WNW	4	c	29.96	+1.30	37	35	+2	NW	3	c	4	42	29	0.05	
	Spurn Head ...	29.82	38	N	6	c	29.96	+1.36	36	34	+2	WNW	4	bc	3	41	33	0.19	
	York ...	29.88	40	N	4	bc	29.97	+1.30	39	35	+3	WNW	2	bc	*	42	28	0.03	
	Loughborough	29.89	38	WNW	2	bc	30.02	+1.26	35	31	0	WNW	2	bc	*	41	28	0.02	
GERMANY & HOLLAND.	Ardrossan ...	29.97	42	N	1	bc	30.03	+1.19	39	35	0	N	0	bc	•	47	28	—	
	Malin Head ...	30.01	39	N	4	c	30.00	+1.06	37	36	-1	N	1	bc	1	40	30	—	
	Mullaghmore ...	30.05	41	N	4	c	30.02	+1.02	38	34	-2	ENE	3	bc	2	43	29	—	
	Belmullet ...	30.07	42	NE	2	c	29.96	-1.07	38	36	-4	NE	2	bc	*	40	34	—	
	Donaghadee ...	29.99	42	NNE	4	bc	30.04	+1.13	37	35	-2	WNW	3	bc	1	46	35	0.02	
	Liverpool (Bidston)	29.95	41	NW	3	bc	30.03	+1.21	37	37	+2	W	1	bc	2	44	34	—	
	Holyhead ...	29.97	41	N	4	bc	30.04	+1.16	40	42	+9	W	1	bc	2	48	35	—	
	Parsonstown ...	30.04	42	N	0	c	30.03	+1.02	33	32	-3	N	0	bc	*	46	24	—	
	Valencia ...	30.05	47	WNW	2	c	29.95	-1.11	45	43	-2	ENE	4	bc	4	50	38	0.01	
	Roche's Point...	30.03	44	N	2	bc	30.03	+1.01	45	41	0	SSE	3	bc	3	49	35	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.97	40	N	3	bc	30.05	+1.11	40	38	-1	NE	1	bc	1	44	34	—	
	Scilly ...	30.01	44	NNE	5	c	30.05	+1.06	44	40	-2	E	2	bc	3	46	40	—	
	Prawle Point ...	29.97	40	WNW	3	bc	30.07	+1.14	41	38	-2	N	1	bc	0	47	32	—	
	Jersey (St. Aubin's)	?	?	?	?	?	30.06	+1.17	40	37	-3	WNW	2	bc	2	51	31	—	
	Hurst Castle ...	29.91	43	WNW	6	bc	30.05	+1.23	35	34	-5	N	3	bc	2	47	30	—	
	Dungeness ...	29.80	38	N	5	bc	29.98	+1.25	34	34	-2	N	4	bc	2	45	28	—	
	London ...	29.86	35	NW	4	bc	30.01	+1.26	36	33	0	WNW	2	bc	*	45	30	—	
	Oxford ...	29.94	35	NW	1	bc	30.05	+1.26	34	32	-1	NW	1	bc	*	45	27	—	
	Cambridge ...	29.88	37	NW	3	bc	30.02	+1.29	36	34	+1	NW	1	bc	*	45	28	0.07	
	Yarmouth ...	29.75	36	N	5	c	29.95	+1.35	37	36	+4	WNW	3	bc	4	40	30	0.16	
PENINSULA.	Cuxhaven ...	29.43	34	NNE	5	bc	29.78	+1.49	33	31	-1	NNE	4	bc	•	?	31	—	
	Berlin ...	29.48	34	N	0	bc	29.65	+1.26	32	31	-1	NW	3	bc	*	48	27	—	
	Wiesbaden ...	*	*	*	*	*	29.77	+1.29	35	33	+1	NW	1	bc	*	41	32	0.04	
	Munich ...	29.70	28	SW	5	bc	29.76	+1.19	29	27	-3	W	4	bc	*	36	25	0.24	
	The Helder ...	29.69	37	N	3	bc	29.90	+1.46	35	33	0	N	1	bc	2	37	34	0.12	
	Brussels (9 a.m.)	*	*	*	*	*	29.97	+1.26	36	34	+1	N	4	bc	*	40	32	—	
	Cape Gris Nez	29.78	38	NNE	5	bc	29.97	+1.22	35	33	-3	NW	2	bc	*	45	32	—	
	Paris ...	29.85	40	NW	3	bc	30.08	+1.12	36	35	-10	NE	1	bc	2	50	34	—	
	Brest ...	30.01	46	N	3	bc	30.08	+1.12	36	35	-10	NE	1	bc	2	50	34	—	
	Lorient ...	29.98	47	NW	4	bc	30.05	+1.08	37	35	-1	NE	2	bc	2	52	36	—	
FRANCE AND BELGIUM.	Rocheport ...	29.97	50	NW	5	bc	30.01	+1.04	38	37	-1	NNE	4	bc	*	54	28	—	
	Belfort ...	30	30	N	3	bc	?	?	32	30	-7	W	3	bc	*	42	?	0.01	
	Lyons ...	29.88	37	NW	1	bc	29.97	+1.08	33	30	-7	NW	2	bc	*	51	33	0.04	
	Nice ...	29.88	37	NW	1	bc	29.97	+1.08	33	30	-7	NW	2	bc	*	51	33	0.04	
	Perpignan ...	29.88	37	NW	1	bc	29.97	+1.08	33	30	-7	NW	2	bc	*	51	33	0.04	
	Biarritz ...	30.01	50	N	3	bc	30.01	+1.08	46	44	+1	NNE	2	bc	2	52	43	0.04	
PENINSULA.	Corunna ...	29.87	38	NW	4	bc	29.91	+1.09	54	51	+6	WNW	5	bc	*	63	?	—	
	Lisbon ...	29.87	38	NW	4	bc	29.91	+1.09	54	51	+6	WNW	5	bc	*	63	?	—	

For Explanation of Columns, see bottom of p. 4.

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for 8 a.m. on Tuesday, 31st March, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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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.

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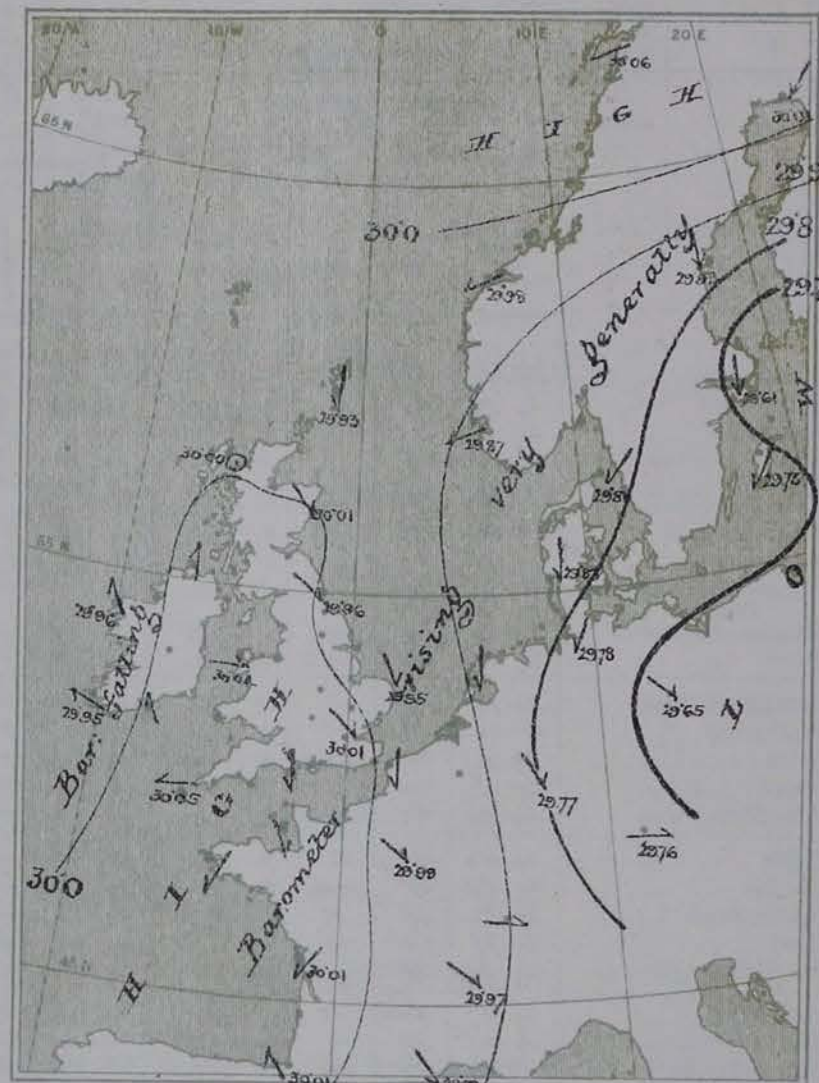
☼ = Rough. ☼ = High.

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.....	29.896
York.....	29.908
Loughborough.....	29.932
Ardrossan.....	29.865
Mullaghmore.....	29.874
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.....	29.941
Yarmouth.....	29.920



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and upwards, in an anticyclone lying over the greater part of the United Kingdom, the Bay of Biscay and the west of France, and also in a smaller system lying over the north of Scandinavia.
 Lowest, 29.7 in. and less, over Germany and the northern parts of the Baltic.
 Gradients slight and irregular. Barometers falling in Ireland, but rising elsewhere.

TEMPERATURE

Highest, 49° at Loughswilly, 48° at Holyhead, 46° at Harwich, 45° at Valentia Island and Rocherpoint, and 44° at Seilly.
 Lowest, 14° at Napaivanda, 23° at Helsingfors and Vöro, 28° at Stockholm and Jönköping, 29° at Munich and 30° at Riga.
 Sharp frost occurred last night in many parts of the United Kingdom, in London the thermometer on the grass fell to 19°.

WIND

Light or moderate from the SEth or Sth in Ireland, variable on the west coasts of Great Britain.
 Nth or NWth in most other parts of Western Europe, but NEth over the north of Scandinavia.

WEATHER

Fine over the greater part of our area, but dull and showery at Valentia Island.
 Snow is falling at several of the German stations and also at Belfast.
 Snow showers were experienced yesterday in all the more northern and eastern parts of Great Britain.

SEA

Slight or smooth generally, but rather rough at Cape Fin Key.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands and France appears to be moving eastwards, and a depression is approaching the Irish coasts. Southerly winds seem likely to spread in over our western districts, and in Ireland they will probably increase in force with rain.

FORECASTS

For the 24 hours ending at NOON on 1st APRIL 1891.

DISTRICTS.

FORECASTS.

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

Variable breezes, finally SWth; fine to dull and some rain.
 NWth to Variable or SWth breezes; fine generally.
 NWth to Variable breezes; fair generally. Sharp frost tonight.

DISTRICTS.

FORECASTS.

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

Variable breezes, finally Sth; fair generally.
 SEth and Sth winds increasing in force; 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		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.71	42	36	NW	4	t	3	Holyhead ...	29.90	42	38	N	5	t	5
Sumburgh Head ...	29.76	35	38	NW	1	bc	4	Valencia ...	30.07	52	45	NW	1	o	1
Stornoway ...	29.77	38	36	N	4	c	4	Scilly ...	30.00	46	43	NW	4	bc	3
Aberdeen ...	29.83	39	35	NW	4	bcg	4	Jersey ...	29.53	46	42	NW	4	c	4
Shields ...	29.85	40	38	N	4	bc	5	Dungeness ...	29.74	43	37	NW	4	c	3
Ardrossan ...	29.92	45	39	N	4	t	2	London ...	29.75	44	37	NW	4	bc	3
Malin Head ...	30.01	39	37	NW	4	c	3	Yarmouth ...	29.67	40	36	NW	5	bcgsp	5
Mullaghmore ...	30.04	42	37	NW	5	og	3	Rochefort ...	29.97	51	48	NW	5	c	3
Belmullet ...	30.08	44	39	NE	1	c	*								

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

Weather in morning: fine and bright over France, the greater part of the Mediterranean, and southeastern Europe, drier and brighter than of late over the western parts of our Islands, cloudy and unsettled elsewhere; snow falling at many of the Baltic, Russian, and German stations, as well as at some of those in the north and northeast of Great Britain. Snow at times in the north and east of our Islands later and to the eastward of the North Sea, fall considerable at Aberdeen and Munich.

Temperatures fallen again over Northern Europe, the North Sea and England, risen over central and southern Russia; still very low generally.

Morning readings exceeding 50° at some of the Mediterranean ^{stations} and Comma only: below 40° over all the northern and central countries, and as low as 11° at Archangel, 17° at Naparanda, 27° at Hermand, 28° at Stockholm and 30° at Bodo, Hango and Skiersburg. Remaining below 50° over Great Britain and Ireland all day, and not exceeding 40° to 42° on our north and northeast coasts. Air dry and keen.

Wind moderate E over Northern Europe, moderate to strong N over the United Kingdom, NE to NW in Holstein and the Netherlands; NW, very moderate over the Bay of Biscay and France. W over Germany, Austria, and southwestern Russia; variable over Spain and the northern parts of the Mediterranean, owing to local disturbances near San Fernando and the Riviera. Moderating over our Islands later, and falling light in far west.

Barometer highest (1) 30.0 ins. and more, to 29.9 ins. over the western parts of the British Isles, Bay of Biscay, north of Spain, and west and southwest of France; (2) 29.9 ins. and more to 29.8 ins. over northern Russia and Lapland as well as over Tunis and eastern Algeria. Lowest 29.3 ins. and less, in a complete depression covering Holstein, North Germany and Baltic Provinces; 29.6 ins. and less in another depression over the Gulf of Genoa; and about 29.8 ins. in a third (very shallow) over Spain not far from Cadiz. Raining over Northwestern Europe generally later, but inclined to fall at Valencia Island in evening.

NOTE. The Barometric readings reported from Malin Head on March 25th 8 am and 6 pm; 26th 8 am and 6 pm, and 28th 6 pm are all open to considerable doubt.

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. The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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.

DATE.	STATIONS.	YESTERDAY EVENING.						8 A.M. TO-DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Direc.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force (0 to 12.)			Max.	Min.			
2	Brussels	*	*	*	*	*	30.12	-15	47	-	+6	SW	4	m	*	54	?	-		
"	Corunna	*	*	*	*	*	30.32	-09	47	44	+1	NE	2	b	5	64	39	-		
3	Brussels	*	*	*	*	*	30.15	+08	39	-	-8	NNW	5	0	*	49	38	0.08		
"	Orient	30.30	47	NW	3	0	30.50	+17	42	-	-2	NNW	3	b	2	50	41	-		
5	Corunna	*	*	*	*	*	30.45	-13	51	46	+1	NE	5	b	6	55	46	-		
6	Corunna	*	*	*	*	*	30.23	-22	53	47	+2	NE	1	b	4	66	43	-		
7	Corunna	*	*	*	*	*	29.98	-25	53	48	0	E	2	0	4	66	41	-		
9	Brussels	*	*	*	*	*	29.74	+08	33	-	-9	NNE	1	S	*	46	33	0.32		
"	Corunna	*	*	*	*	*	29.45	-30	56	54	+2	S	6	T	4	63	52	0.20		
10	Scilly	29.23	35	EHE	8	S	29.01	-60	34	34	-5	NE	8	S	7	39	34	0.04		
"	Prawle Point	29.37	34	EHE	9	S	29.17	-51	32	32	-3	EHE	8	S	7	35	31	?		
"	Jersey	-	-	-	-	-	29.26	-40	46	43	+8	SE	5	bcm	4	46	35	0.70		
"	Biarritz	29.53	51	SW	6	T	29.61	-06	50	-	-12	NW	3	T	2	73	46	0.08		
"	Corunna	*	*	*	*	*	29.58	+13	46	-	-10	SW	6	T	4	64	43	0.39		
"	Lisbon	29.75	58	SSW	6	0	29.79	00	50	49	-8	NNW	3	T	4	61	48	0.32		
"	Scilly 2pm	-	-	-	-	-	29.12	-	34	34	-	NNE	8	S	7	-	-	-		
"	Jersey 2pm	-	-	-	-	-	29.11	-	47	44	-	SSE	5	C	4	-	-	-		
"	Bungness 2pm	-	-	-	-	-	29.30	-	39	38	-	E	4	C	3	-	-	-		
11	Scilly	29.28	34	NNE	7	0	29.49	+48	39	34	+5	N	4	C	6	39	30	0.25		
"	Prawle Point	29.08	34	EHE	8	S	29.45	+28	35	33	+3	NNW	1	b	0	38	31	?		
"	Jersey	29.04	47	S	6	C	29.35	+09	37	34	-9	NNW	5	0	5	49	35	0.20		
"	Bungness	-	-	-	-	-	29.15	-16	35	35	0	NE	6	T	4	39	32	0.69		
"	Cape Gris Nez	29.25	35	E	5	T	29.14	-	36	-	-	S	2	T	2	39	30	0.24		
"	Brest	28.99	46	NW	7	0	29.52	+42	38	-	-7	N	5	C	4	48	34	0.08		
"	Corunna	*	*	*	*	*	29.75	+17	45	42	-1	SSW	4	bC	4	50	39	0.12		
"	Lisbon	29.80	50	WSW	5	0	29.95	+16	44	41	-6	NNW	3	b	3	57	43	0.20		
"	Scilly 2pm	-	-	-	-	-	29.52	-	42	38	-	NNE	3	C	4	-	-	-		
"	Jersey 2pm	-	-	-	-	-	29.53	-	41	36	-	NW	4	bC	4	-	-	-		
12	Scilly	29.52	39	ESE	3	C	29.45	-04	39	37	0	EHE	8	T	6	42	35	0.01		
"	Prawle Point	29.58	33	N	1	b	29.58	+13	35	34	0	EHE	5	0	4	37	28	?		
"	Jersey	29.58	31	NNW	3	b	29.59	+24	39	37	+2	E	5	0	5	43	30	-		
"	Corunna	*	*	*	*	*	29.28	-47	45	44	0	SSE	1	T	4	54	41	0.98		
"	Lisbon	29.43	51	SSW	5	bC	29.52	-43	52	49	+8	SW	6	T	9	55	?	0.35		
"	Scilly 2pm	-	-	-	-	-	29.45	-	37	36	-	NE	8	T	6	-	-	-		
"	Jersey 2pm	-	-	-	-	-	29.51	-	37	37	-	E	5	0	5	-	-	-		
13	Scilly	29.47	36	NE	8	T	29.60	+15	36	36	-3	NE	7	0	6	39	34	0.46		
"	Prawle Point	29.62	36	EHE	6	T	29.66	+08	34	34	-1	EHE	6	S	6	37	32	?		
"	Jersey	29.51	39	E	5	0	-	-	-	-	-	-	-	-	-	-	-	-		
"	Corunna	*	*	*	*	*	29.60	+32	49	47	+4	NW	7	T	8	54	41	0.59		
"	Scilly 2pm	-	-	-	-	-	29.73	-	37	37	-	NNE	6	0	6	-	-	-		
14	Scilly	29.78	39	NNE	5	T	29.90	+30	42	38	+6	N	5	C	4	42	36	0.13		
"	Prawle Point	29.76	36	NE	3	C	29.86	+20	34	33	0	NNW	6	C	1	37	32	?		
"	Brest	29.69	45	EHE	4	0	29.89	+38	42	-	-2	N	4	0	4	46	39	0.04		
"	Corunna	*	*	*	*	*	30.05	+45	49	45	0	NNW	3	C	6	?	41	0.08		
15	Prawle Point	29.88	36	NNW	1	b	29.58	-28	43	42	+9	SSW	5	T	3	44	33	?		
"	Jersey	-	-	-	-	-	29.75	-	44	42	-	SSW	4	bC	4	45	33	0.30		
"	Jersey 2pm	-	-	-	-	-	29.54	-	46	45	-	S	4	0	4	-	-	-		
16	Prawle Point	29.29	41	W	5	C	29.25	-33	38	35	-5	SSE	2	bcp	3	45	31	?		
"	Corunna	*	*	*	*	*	29.58	-54	47	45	-3	WSW	4	T	6	55	43	0.71		
17	Prawle Point	28.99	42	E	3	C	29.42	+17	42	41	+4	EHE	5	C	3	44	37	?		
"	Brussels	*	*	*	*	*	29.60	+12	46	-	+4	ESE	1	0	*	48	40	0.20		
"	Nice	29.88	44	NE	5	C	29.82	-07	41	-	+1	SW	6	bL	5	50	39	1.70		

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

DATE.	STATIONS.	YESTERDAY EVENING.					8 A.M. TO-DAY.								PAST 24 HOURS.			
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 6.)	SHADE TEMP.		Amount of Rainfall.
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.	
17	Corunna	*	*	*	*	*	29.35	- 23	47	45	0	SSW	5	r	6	52	39	0.28
18	Corunna	*	*	*	*	*	29.45	+ 10	48	45	+ 1	SSE	4	0	5	55	41	0.16
19	Prawle Point	29.75	44	EHE	4	0	29.88	+ 18	39	37	- 4	EHE	3	c	3	49	34	0.01
"	Corunna	*	*	*	*	*	29.62	+ 17	51	47	+ 3	S	3	c	2	55	"	-
20	Prawle Point	29.99	40	EHE	2	c	29.87	- 01	38	35	- 1	NW	2	b	1	45	31	-
"	Corunna	*	*	*	*	*	29.69	+ 07	48	47	- 3	NHE	1	r	4	55	45	0.35
21	Corunna	*	*	*	*	*	29.76	+ 07	50	47	+ 2	NHE	1	bc	3	50	43	0.16
22	Corunna	*	*	*	*	*	30.06	+ 19	46	41	- 2	NHE	6	b	4	52	43	-
23	Corunna	*	*	*	*	*	30.27	+ 21	46	45	0	NE	2	r	3	52	39	0.08
24	Brussels	*	*	*	*	*	29.77	- 26	41	-	+ 10	SW	4	b	*	45	31	0.04
"	Corunna	*	*	*	*	*	30.34	+ 07	48	48	+ 2	N	3	0	5	57	45	0.12
26	Corunna	*	*	*	*	*	30.20	- 14	55	51	+ 7	W	3	0	5	61	46	-
28	Corunna	*	*	*	*	*	30.03	- 31	48	47	- 2	SSW	3	r	5	59	46	0.12
29	Belfort	?	35	W	3	0	?	?	36	?	- 1	SW	3	0	*	47	35	-
30	Paris	29.84	44	W	3	c	29.77	- 10	38	34	0	NW	4	b	*	51	36	0.12
"	Brest	30.06	48	N	4	b	29.96	- 11	46	44	+ 1	N	3	0	3	52	41	-
"	Belfort	?	36	W	5	r	?	?	37	36	+ 1	W	5	r	*	47	34	0.16
"	Nice	29.75	49	SW	3	b	29.65	- 07	44	35	0	NE	4	b	1	59	37	-
"	Perpignan	29.93	54	N	2	b	29.94	- 02	45	44	- 1	N	2	b	*	61	34	-
"	Corunna	*	*	*	*	*	29.99	+ 15	51	47	- 2	NHE	6	b	4	57	46	-
31	Brussels	*	*	*	*	*	29.93	+ 30	34	-	+ 3	NW	2	c	*	41	31	0.04
"	Corunna	*	*	*	*	*	20.03	+ 04	54	47	+ 3	NE	3	b	3	54	36	-
2. CORRECTIONS.																		
1	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-
"	Jersey	30.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Mullaghmore	-	-	-	-	-	-	-	43	-	- 2	-	-	-	-	-	-	-
4	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
6	Berlin	29.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Oxford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07
10	Wick	29.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22
"	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
11	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-
"	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Parsonstown	-	43	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
16	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-
"	Cambridge	29.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
17	Mairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-
18	Mairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
"	Rock's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Hraby	29.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Christiansund	29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	29.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
22	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Skagen	30.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mairn	-	-	-	-	-	-	-	-	-	-	NW	-	-	-	-	-	-
27	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
28	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
30	Samburghid	29.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
"	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTE. — In the "CORRECTIONS" for February the fourth line should read as under. Cambridge Min: was correct as in Report																		
3 ^d	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-