

# DAILY WEATHER REPORT.

January to June 1894.





METEOROLOGICAL OFFICE.

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DAILY WEATHER REPORTS.

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1<sup>ST</sup> JANUARY TO 30<sup>TH</sup> JUNE, 1894.



# DAILY WEATHER REPORT

for 8 a.m. on MONDAY. 1<sup>st</sup> JANUARY.

1894.

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
		Reading at 5 <sup>30</sup> P. and Sea Level.	Dry Bulb.	Force (0 to 12).	Weather.		Reading at 5 <sup>30</sup> P. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).		Weather.	Max.		Min.		
		Ina.	°				Ina.	°	°	°						°	°	100.		
SCANDINAVIA.	Haparanda ...	29.84	31	N	4	b	30.08	+24	31	2	-16	N	4	b	2	b	28	31	—	
	Hernösand ...	29.73	31	NW	4	c	30.14	+76	11	9	-21	NW	4	b	2	c	27	11	0.04	
	Stockholm ...	29.72	32	N	4	b	29.98	+24	20	19	-17	NW	6	b	2	b	23	20	0.04	
	Wisby ...	29.73	36	NW	8	b	29.80	+14	33	30	-12	NW	4	o	2	b	21	28	—	
	Bodö ...	29.82	33	NW	4	c	30.31	+31	16	13	-19	E	4	b	2	c	36	14	—	
	Christiansund...	30.11	33	N	4	b	30.14	+14	34	33	-3	N	1	b	5	b	37	32	0.71	
	Skudesnaes ...	30.22	35	NW	6	b	30.17	+02	35	32	-5	NW	4	c	2	c.b.	40	32	—	
	Christiania Fjord (Fjorder)	30.03	35	NW	4	b	30.01	+12	35	31	-7	NW	4	b	1	b	43	34	—	
	Skagen (The Scaw)	30.04	38	NW	1	b	30.01	+14	36	33	-8	N	1	b	0	b	45	36	—	
	Fanö ...	30.10	37	NW	2	c	30.04	-16	30	30	-13	NW	2	b	2	c	45	30	—	
BRITISH ISLANDS.	Sumburgh Head	30.41	37	N	2	c	30.39	+08	34	33	-5	N	2	c.b.	4	c	38	31	0.01	
	Stornoway ...	30.29	30	NW	3	c	30.31	+14	36	35	-11	N	3	c	2	b.c.	40	32	—	
	Wick ...	30.44	36	N	2	b.c.	30.45	+11	34	33	-9	N	2	b.c.	2	b.c.	43	32	0.05	
	Nairn ...	30.47	40	NW	1	b.c.	30.48	+12	37	35	-12	NW	1	c	1	b.c.	50	33	0.05	
	Aberdeen ...	30.48	38	NW	2	b.c.	30.48	+38	35	32	-9	NW	4	c.b.	5	q.p.b.c.	48	35	0.03	
	Leith ...	30.41	43	SW	2	T	30.48	+05	37	33	-7	NW	1	o	2	T	50	35	0.01	
	Shields ...	30.37	44	NW	3	c	30.38	-06	38	35	-2	NW	3	o	2	c.T	46	35	0.08	
	Spurn Head ...	30.38	40	NW	2	omg	30.30	-18	37	36	+3	N	4	o	4	f.p.g.m.	42	34	0.03	
	York ...	30.39	42	o	1	o	30.38	-12	36	34	+4	NW	2	o	2	o	43	30	—	
	Loughborough	30.43	35	N	1	b	30.37	-17	34	33	+1	NW	1	b.m.	2	b.d.	42	32	0.04	
GERMANY & HOLLAND.	Ardrossan ...	30.42	46	2	o	b	30.48	+01	34	32	-13	NW	1	b.m.	1	b	49	32	—	
	Malin Head ...	30.48	45	N	4	om	30.49	-03	40	37	-6	NW	4	b	2	om	47	40	—	
	Mullaghmore ...	30.56	43	SW	2	b.c.	30.50	-10	40	41	+1	NW	2	o	2	o.b.c.	46	41	0.03	
	Belmullet ...	30.46	45	SW	4	b.c.	30.48	-07	42	39	+2	NW	5	c	3	b.c.	46	39	—	
	Donaghadee ...	30.46	45	SW	4	b.c.	30.48	-07	42	39	+2	NW	5	c	3	b.c.	46	39	—	
	Liverpool (Bldston)	30.46	43	NW	2	o	30.43	-12	36	34	-4	NW	1	b	1	o	45	36	—	
	Holyhead ...	30.44	45	NW	1	o	30.41	-3	41	41	-1	E	3	c	1	o	46	41	—	
	Parsonstown ...	30.45	38	2	o	o	30.37	-16	38	37	+11	2	o	o	2	o.T	48	26	0.04	
	Valencia ...	30.52	35	ENE	1	b	30.37	-15	39	39	+8	2	o	o	1	b	43	29	0.01	
	Roche's Point	30.52	34	NW	3	b.m.	30.44	-16	42	41	+7	N	2	o	3	b.m.	42	33	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.48	42	NW	2	c	30.36	-22	40	44	+10	NW	2	c.b.	1	c	45	35	0.02	
	Scilly ...	30.48	43	ENE	3	b.c.	30.35	-17	45	41	+1	NW	2	c	3	b.c.	47	38	—	
	Prawle Point ...	30.48	33	NW	2	b.c.	30.34	-21	33	39	+5	N	1	o.p.	0	b.c.	45	31	0.01	
	Jersey (St. Aubin's)	30.44	34	SW	2	b.m.	30.30	-24	40	38	+9	NW	1	om	1	b.m.	41	30	—	
	Hurst Castle ...	30.44	36	SW	1	o.g.	30.33	-24	39	37	+11	NW	3	m	1	o.g.f.	37	26	—	
	Dungeness ...	30.40	34	N	2	f	30.35	-23	37	36	+14	N	2	f	2	m.f.	37	22	—	
	North Foreland	30.42	34	SW	2	f	30.37	-26	41	38	+9	NE	4	b.c.	5	m.f.	42	29	0.02	
	London ...	30.41	32	N	1	om	30.38	-23	37	35	+13	NW	2	b.m.	2	o.g.f.m.	37	24	0.01	
	Oxford ...	30.44	32	2	o	f	30.36	-22	35	35	+10	NW	2	o.f.	2	f.T	38	25	0.03	
	Cambridge ...	30.43	32	SW	1	f	30.33	-22	32	32	+5	NW	3	b	2	f	38	26	—	
PENINSULA.	Yarmouth ...	30.37	32	NW	2	m	30.26	-23	38	36	+10	NW	2	c.b.	3	m	40	27	0.04	
	Cuxhaven ...	30.18	29	NW	2	o	30.06	-28	36	34	-1	NW	1	c	4	o	40	34	—	
	Berlin ...	30.11	27	2	o	b	30.15	-40	27	26	+8	2	o	o	2	b	27	19	—	
	Wiesbaden ...	30.11	27	2	o	b	30.11	-40	14	13	+13	N	2	c	2	b	16	1	—	
	Munich ...	30.11	27	2	o	b	30.11	-40	14	13	+13	N	2	c	2	b	16	1	—	
	The Helder ...	30.11	27	2	o	b	30.11	-40	14	13	+13	N	2	c	2	b	16	1	—	
	Brussels (9 a.m.)	30.11	27	2	o	b	30.11	-40	14	13	+13	N	2	c	2	b	16	1	—	
	Cape Gris Nez	30.11	27	2	o	b	30.11	-40	14	13	+13	N	2	c	2	b	16	1	—	
	Paris ...	30.11	27	2	o	b	30.11	-40	14	13	+13	N	2	c	2	b	16	1	—	
	Brest ...	30.11	27	2	o	b	30.11	-40	14	13	+13	N	2	c	2	b	16	1	—	

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Monday, 1<sup>st</sup> Janv. 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

— forces above 10, — forces 8 to 10;  
— forces 6 to 7, — forces 4 to 5;  
— force 1 to 4.

— dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus

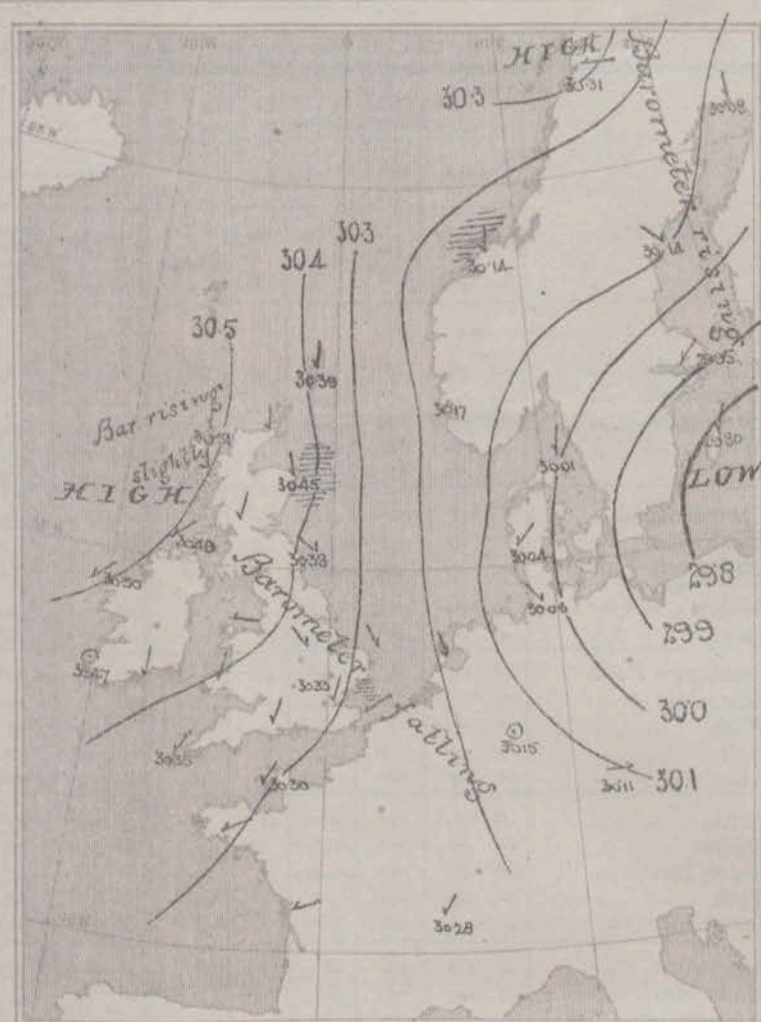
— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Sparn Head	29.920
York	29.932
Loughborough	29.967
Ardrossan	29.838
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.935
Valencia	29.887
Rocha's Point	29.908
Pembroke	29.936
Sally	29.969
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

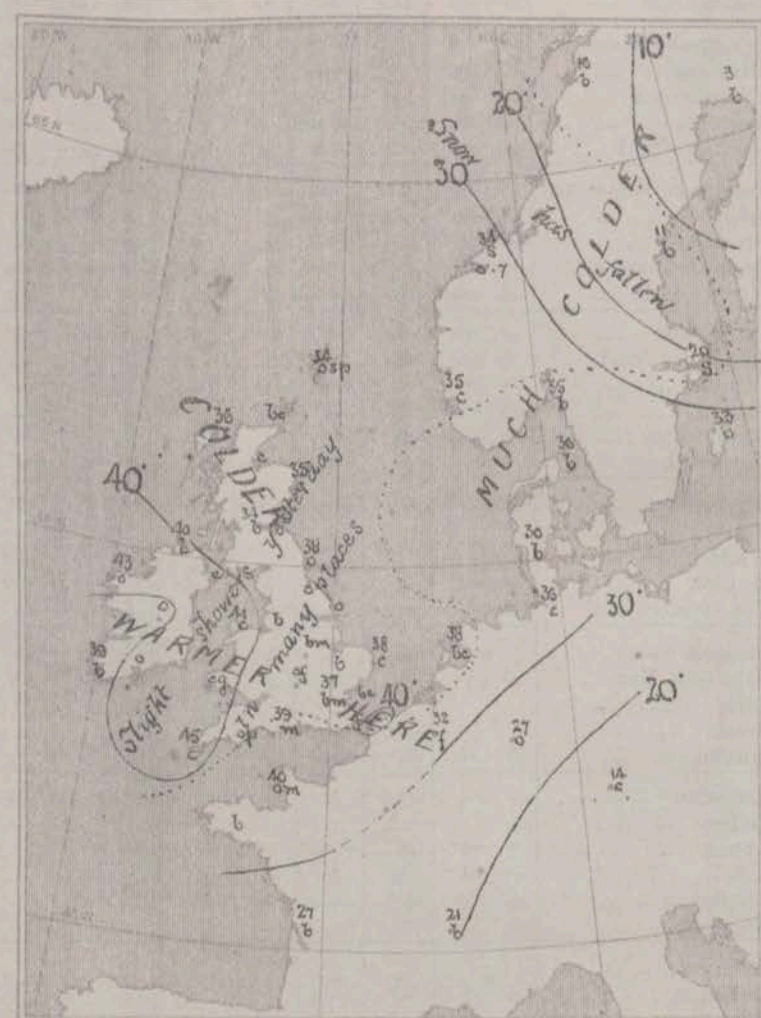
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.9	35.6	39.7	38.4	3.72
Stornoway .....	43.3	34.5	39.5	38.4	5.30
Wick .....	42.4	33.3	38.2	36.8	2.05
Nairn .....	42.2	32.9	37.3	35.0	1.09
Aberdeen .....	42.4	33.2	37.3	35.6	2.31
Leith .....	44.4	33.7	38.6	37.2	1.93
Shields .....	43.0	34.2	38.2	36.9	1.75
Sparn Head .....	41.7	34.5	37.7	36.7	1.35
York .....	42.7	32.5	36.7	35.7	1.87
Loughborough .....	43.0	32.3	36.4	35.4	2.04
Ardrossan .....	44.2	36.3	40.0	39.5	4.25
Mullaghmore .....	46.1	38.0	41.6	40.1	4.36
Donaghadee.....	41.4	36.1	40.0	39.2	2.98
Holyhead .....	45.6	38.7	41.7	40.3	3.38
Liverpool .....	43.5	35.2	38.6	37.0	2.22
Parsonstown .....	45.6	34.2	38.9	37.8	3.12
Valencia .....	49.5	40.4	44.5	43.3	6.89
Rocha's Point .....	47.7	39.5	43.2	41.9	5.50
Pembroke .....	45.5	39.6	42.7	41.3	3.75
Sally .....	48.8	42.9	46.4	44.9	3.73
Prawle Point .....	46.2	37.6	42.0	41.0	3.09
Jersey .....	45.8	38.3	41.8	40.4	3.21
Hurst Castle .....	45.0	36.3	40.3	39.5	2.94
Dover .....	43.5	35.8	39.2	38.1	2.58
LONDON .....	44.1	33.8	37.6	36.6	2.12
Oxford .....	43.1	33.6	37.1	36.1	2.26
Cambridge .....	43.3	31.7	36.2	35.4	1.54
Yarmouth .....	41.5	33.8	37.5	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.5 in. and more off our extreme northwest coasts, and exceeding 30.2 in. all over our Islands.  
 Lowest, 29.9 in. and less, over the Baltic, and below 30.1 in. over the southern part of the Spanish Peninsula.  
 Gradients moderate over the North Sea, slight elsewhere.  
 Barometer rising rapidly over Scandinavia, slightly on our extreme north and northwest coasts, and the fall at our southern stations has apparently almost ceased.

## TEMPERATURE

Highest, 45° at Seely, 43° at Helmslet, 42° at Rock Point.  
 Lowest, (1) 3° F. at Haparanda, 11° at Hunsand, 16° at Boö, 20° at Stockholm.  
 It has risen decidedly at our southern and eastern stations, but fallen in the north.

## WIND

N<sup>2</sup> over our Islands generally, NE<sup>1</sup> in the Channel and over the Bay of Biscay; N<sup>1</sup> and NW<sup>1</sup> over the North Sea, NE<sup>2</sup> to NW<sup>2</sup> at the Swedish stations, W<sup>2</sup> at Munich.

## WEATHER

Fine in most places, but in some localities the sky is overcast or fog prevalent; and at Sumburgh Head snow is fallen.  
 Very slight showers have fallen in many parts of the Kingdom and in the Netherlands; at Christiansund a fall of 0.7 in. is reported.

## SEA

Moderate to rather rough at our eastern stations, slight to very smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The recovery of pressure and the fall of temperature noticed in the north seem likely to increase, and to spread southwards over Ireland and England.

# FORECASTS

For the 24 hours ending at NOON on 2<sup>nd</sup> January 1894

## DISTRICTS.

## FORECASTS.

## DISTRICTS.

## FORECASTS.

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

N<sup>2</sup> breezes, light or moderate; slight cold showers, frost tonight.

N<sup>2</sup> breezes, moderate; fair, cold, frost inland tonight.

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

Same as N<sup>0</sup> to 2.

NE<sup>2</sup> breezes, light; fair, cold.

N<sup>2</sup> and NE<sup>2</sup> breezes, light; fair, frost 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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.19	37	34	NW	6	c	3	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.43	40	37	W	4	bc	4	Jersey ...	30.49	41	34	E	3	b	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.43	39	34	N	3	m	2
Ardrossan ...								North Foreland ...	30.45	34	33	NW	3	f	3
Malin Head ...	30.47	37	37	W	4	om	2	London ...							*
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.58	46	45	SW	2	o		Rochefort ...	30.54	33	34	E	4	b	*
Holyhead ...															

## 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 24<sup>TH</sup> TO 30<sup>TH</sup> DEC. 1893.

In the course of this week an important change took place in the weather over the United Kingdom. The depressions which appeared in the west and north-west were of much slighter intensity than those experienced in the previous week, and spread comparatively little over our Islands as they passed by. The gales experienced were consequently slight, and were confined to the western and northern parts of the Kingdom, and rainfall decreased in most places—especially in the south and east.

In the meantime an anticyclone advanced over France from the West increased in intensity, and spread slowly over Germany, the North Sea and our Islands; it was subsequently joined (for a brief interval) by another system, developed over northern Europe.

At the close of the week cold anticyclonic conditions were general over Germany, France, England and Ireland. But a large and deep depression was advancing over northern Europe from the West, and its W. breezes were causing a considerable rise of temperature in Scotland.

#### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on TUESDAY. 2<sup>nd</sup> JANUARY. 1894.

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

PAST 24 HOURS.																
THIS MORNING.																
YESTERDAY EVENING.																
(See note at bottom of last page.)																
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For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Tuesday, 2<sup>nd</sup> Jan<sup>y</sup>, 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— forces above 10 — forces 8 to 10 —

— forces 5 to 7 — forces 1 to 4 —

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

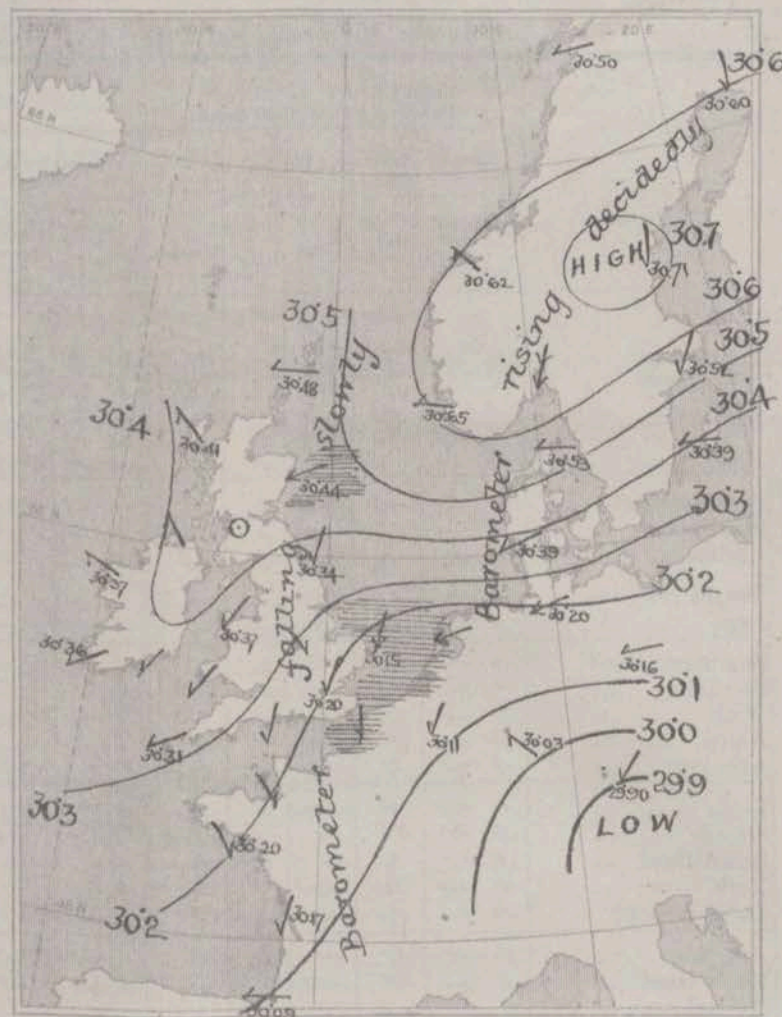
— = Rough. — = High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.820
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrossan	29.838
Mullaghmore	29.817
Dunaghahee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roch's Point	29.908
Pembroke	29.936
Seilly	29.969
Prawle Point	30.008
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.990
Cambridge	29.983
Yarmouth	29.979



## 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.

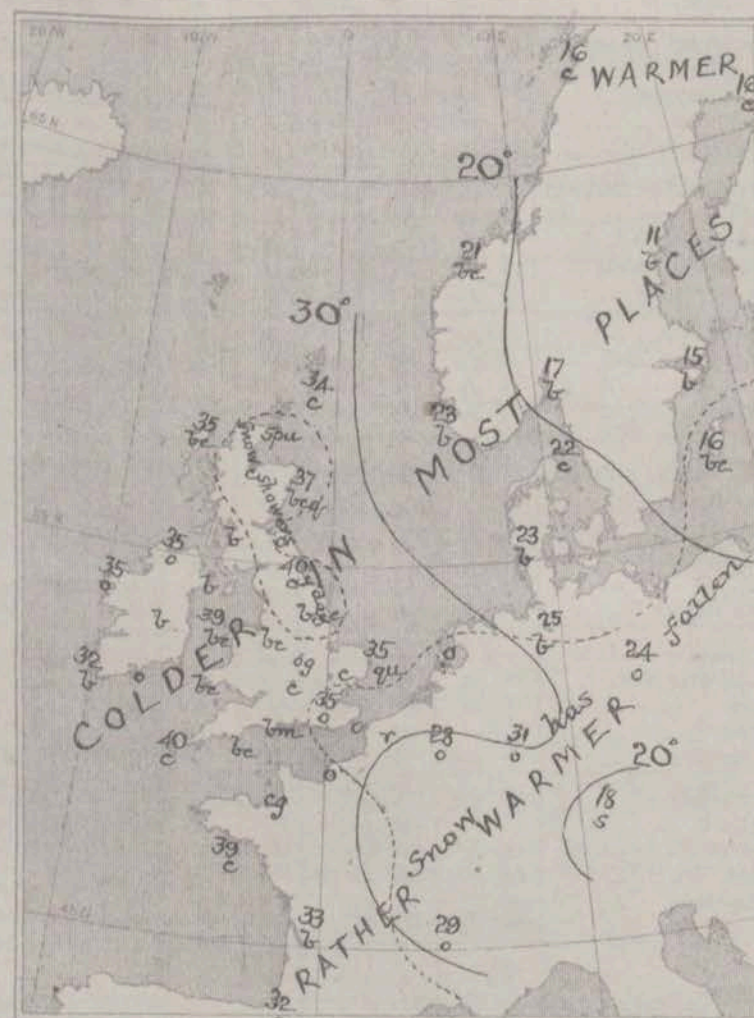
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head....	42.9	35.6	39.7	38.4	3.72
Stornoway.....	43.3	34.5	39.5	38.4	5.30
Wick.....	42.4	33.3	38.2	36.8	2.05
Nairn.....	42.2	32.9	37.2	35.6	1.99
Aberdeen.....	42.4	33.2	37.3	35.6	2.31
Leith.....	44.4	33.7	38.6	37.2	1.93
Shields.....	43.0	34.2	38.2	36.9	1.75
Spurn Head.....	41.7	34.5	37.7	36.7	1.35
York.....	42.7	32.5	36.7	35.7	1.87
Loughborough.....	43.0	32.3	36.4	35.4	2.04
Ardrossan.....	44.2	36.3	40.0	38.8	4.25
Mullaghmore.....	46.1	38.0	41.6	40.4	4.30
Dunaghahee.....	44.4	36.1	40.0	39.2	2.08
Holyhead.....	45.6	38.7	41.7	40.3	3.38
Liverpool.....	43.5	35.2	38.0	37.0	2.22
Parsonstown.....	45.6	34.2	38.9	37.8	3.12
Valencia.....	49.5	40.4	44.3	43.3	6.69
Roch's Point.....	47.7	39.5	43.2	41.9	5.50
Pembroke.....	45.5	39.6	42.7	41.3	3.75
Seilly.....	48.8	42.9	46.4	44.9	3.73
Prawle Point.....	46.2	37.5	42.9	41.0	3.09
Jersey.....	45.8	38.3	41.8	40.4	3.21
Hurst Castle.....	45.0	36.3	40.3	39.5	2.04
Dover.....	43.5	35.8	39.2	38.1	2.38
LONDON.....	44.1	33.8	37.6	36.6	2.12
Oxford.....	43.1	33.6	37.1	36.1	2.26
Cambridge.....	43.3	31.7	36.2	35.4	1.54
Yarmouth.....	41.5	33.8	37.5	36.7	1.05

**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. to 30.7 in. in a large anticyclone lying over Scandinavia.

Lowest, 29.9 in. and less, in a depression over South Germany.

Gradients slight. Barometer falling a little in Ireland and the west of Scotland, as well as in France and South Germany, but rising elsewhere.

## TEMPERATURE

Highest, 40° at Selly Jersey, and Lisbon, 39° at Holyhead and Seixas, and 38° at Donaghadee and the North Foreland.

Lowest, 11° at Helsingfors, 15° at Stockholm, 16° at Haparanda, Rode and Stockholm, 17° at Sweden, and 18° at Munich.

Frost occurred last night in many parts of the United Kingdom, the lowest reading in the series being 28° at Androssan.

## WIND

NE<sup>y</sup> over the greater part of Western Europe, light or moderate in force generally, but strong on the southeast coasts of England, and blowing a gale in the Christiania Fjord.

S<sup>y</sup> or SE<sup>y</sup> on the north coasts of Ireland and Scotland, and fresh in force at Ullish.

## WEATHER

Fair generally, but dull on our extreme north and northwest coasts with snow showers at Ullish.

Dull also over Germany, the Netherlands, and the southeast of England, with snow at Munich and hail at the North Foreland.

In the course of the past 24 hours snow and hail showers have fallen at many of our northern and western stations.

## SEA

Rather rough on some parts of our east and southeast coasts, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer on our western coasts is at present slight, and there are no decided indications of any important change in the weather.

# FORECASTS

For the 24 hours ending at NOON on 3<sup>rd</sup> January, 1894

## DISTRICTS.

## FORECASTS.

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

E<sup>y</sup> and SE<sup>y</sup> winds, freshening; unsettled, some snow showers.

Same as N° 5.

NE<sup>y</sup> winds, light or moderate, fair generally but slight snow showers in places.

## DISTRICTS.

## FORECASTS.

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

NE<sup>y</sup> and E<sup>y</sup> winds, light, fair generally.

Same as N° 0 and 1.

## WARNINGS

None issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.17	35	33	NNE	4	bc	2	Valencia ...	30.42	44	42	2	0	0	1
Sumburgh Head ...	30.30	35	35	N	2	0	4	Scilly ...	30.30	44	45	NE	2	c	3
Stornoway ...	30.52	36	35	N	3	0	3	Jersey ...	30.25	44	42	NNE	3	om	3
Aberdeen ...								Hurst Castle ...	30.29	40	38	NNE	3	bc	1
Shields ...	30.35	37	37	NNE	4	c	4	Dungeness ...	30.19	38	36	NNE	4	c	3
Ardrossan ...	30.46	39	35	N	1	bc	1	North Foreland ...	30.21	39	36	NE	3	c	5
Malin Head ...	30.47	40	36	NNE	3	0	2	London (Windsor) ...	30.26	39	36	N	2	om	4
Mullaghmore ...								Yarmouth ...	30.19	38	37	NNE	3	bc	4
Belmullet ...	30.48	46	42	E	2	bc	*	Rochefort ...	30.19	32	31	E	3	bc	*
Holyhead ...	30.42	39	36	E	2	c	2								

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

Continental Information not received.

Remarks on the Weather over Europe for the 24 hours ended at 8 a.m. on Jan<sup>y</sup> 1<sup>st</sup> 1893

Weather fine in many parts of the United Kingdom, but foggy or misty over the central and southern parts of England, and dull on our extreme north and northwest coasts, with rain at Wick. Fine and bright over France, Italy and Austria, as well as over the greater part of Scandinavia and Denmark; dull at the Russian, North German, and Spanish stations. Slight cold showers falling <sup>during</sup> in many parts of the United Kingdom, and snow at some of the Scandinavian stations (amount large at Christiansund).

Temperature fallen in most places, but risen over Central Russia and North Germany, as well as at some of our own northern and central stations. Morning readings highest (1) 54° at Algiers, 50° at Malta and 46° at Langunaires; (2) 49° at Nairn and 47° at Stornoway and Ardrossan. Lowest -8° F. at Hermanstadt, +1° at Memel, 13° at Munich, and 17° at Nikolaioff and Odessa; below the freezing point over Central and Eastern Europe generally, as well as over Central Ireland and the southern part of England. Rising during day to between 45° and 50° in Ireland and Scotland, but remaining below 40° in the southeast of England. Frost occurring in many parts of the United Kingdom at night.

Wind light from the W<sup>nd</sup> on our northern coasts and strong from the same quarter or from NW. over Scandinavia, Denmark, the Baltic, and northern Russia. Variable over the more central part of our Islands; light to moderate from the E<sup>nd</sup> or NE<sup>nd</sup> on our south coasts and also over the greater part of France, Spain, and Italy; SE<sup>nd</sup> or S<sup>nd</sup> in Algeria. Subsequently veering to the N<sup>nd</sup> over Norway and Scotland, light W<sup>nd</sup> breezes setting in on the east coasts of England.

Barometer highest 30.3 in: to 30.6 in: or rather more in an anticyclone covering our Islands, France, and the greater part of Central, southern, and southeastern Europe. Lowest, 28.6 in: in a large depression having its centre over Northern Russia. Gradients rather steep over the whole of northern Europe. Depression subsequently moving eastwards, and brisk rise of barometer taking place over Scandinavia; mercury falling rather decidedly over England and France.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

Wednesday, 3<sup>rd</sup> January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Shade Temp.		Amount of Rainfall.		
Reading at 35° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 35° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Max.	Min.						
Inch.	°			Inch.	°	°	°					°	Inch.						
SCANDINAVIA.																			
Haparanda ...	30.65	14	NW	2	0	30.50	-10	8	8	-8	SW	2	0	16	5				
Hernösand ...	30.80	7	N	0	0	30.76	+0.05	0	-3	-11	N	0	0	12	2				
Stockholm ...	30.64	16	NW	2	0	30.79	+0.27	15	14	0	NW	2	0	19	12	0.04			
Wisby ...	30.58	23	NE	6	0	30.70	+0.31	21	18	+5	NE	4	0	32	12	0.04			
Bodö ...	30.63	26	E	2	0	30.51	+0.01	34	35	+22	SW	6	0	?	14	0.08			
BRITISH ISLANDS.																			
Christiansund...	30.82	26	ESE	2	0	30.86	+0.24	33	29	+12	WSW	2	0	34	21				
Skudesnaes ...	30.88	23	N	0	0	30.89	+0.24	24	20	-2	NNE	1	0	25	19				
Christiania Fjord (Fjord)	30.84	17	NNE	4	0	31.07	+0.41	17	16	0	NNE	4	0	19	16				
Skagen (The Scaw)	?	21	ESE	4	0	30.85	+0.30	23	21	+1	ESE	1	0	23	18				
Fanö ...	30.66	23	ESE	5	0	30.71	+0.32	23	22	0	NNE	6	0	25	23				
Sumburgh Head	30.65	33	SSE	3	0	30.75	+0.27	34	33	0	SSE	2	0	36	30	0.03			
Stornoway ...	30.45	36	SE	4	0	30.80	+0.19	36	34	+1	SE	4	0	40	30				
Wick ...	30.57	36	SE	6	0	30.68	+0.25	35	34	-2	SE	5	0	37	34	0.02			
Nairn ...	30.86	32	SSW	1	0	30.71	+0.27	29	28	-5	N	0	0	37	22	0.03			
Aberdeen ...	30.64	33	SE	6	0	30.78	+0.34	34	30	-3	SSE	3	0	37	32	0.04			
Leith ...	30.54	33	NE	2	0	30.71	+0.30	33	30	-4	ESE	1	0	40	30				
Shields ...	30.56	34	ESE	5	0	30.71	+0.37	35	33	-5	E	3	0	40	31	0.03			
Spurn Head ...	30.46	31	ESE	5	0	30.65	+0.42	32	31	-4	E	4	0	36	28	0.03			
York ...	30.49	30	E	1	0	30.68	+0.37	31	30	-2	E	1	0	37	28	0.03			
Loughborough	30.46	28	NE	3	0	30.65	+0.37	26	25	-8	NE	1	0	36	23	0.06			
GERMANY & HOLLAND.																			
Ardrossan ...	30.52	35	E	3	0	30.71	+0.30	32	31	-1	E	3	0	36	28				
Malin Head ...	30.41	37	SSE	4	0	30.87	+0.17	31	30	-4	SE	4	0	39	31				
Mullaghmore ...	30.37	34	ESE	4	0	30.47	+0.10	31	30	-4	ESE	6	0	38	30				
Belmullet ...	30.49	38	E	6	0	30.65	+0.22	33	32	-5	SE	6	0	40	30				
FRANCE AND BELGIUM.																			
Liverpool (Bldston)	30.50	31	ESE	5	0	30.67	+0.32	29	27	-5	E	2	0	37	27				
Holyhead ...	30.42	34	E	4	0	30.86	+0.19	29	28	-10	E	3	0	40	28				
Parsonstown ...	30.38	33	N	0	0	30.49	+0.04	32	30	-1	E	4	0	36	30				
Valencia ...	30.33	39	E	4	0	30.41	+0.05	35	33	+3	E	5	0	43	30				
Roche's Point	30.35	37	NE	2	0	30.47	+0.11	35	34	-2	ESE	7	0	40	34				
PENINSULA.																			
Pembroke (St. Ann's Hd.)	30.84	37	ESE	4	0	30.82	+0.18	27	25	-10	E	4	0	40	27				
Scilly ...	30.26	40	ESE	4	0	30.86	+0.05	36	31	-4	ESE	5	0	44	31				
Prawle Point ...	30.27	35	ESE	4	0	30.43	+0.14	29	29	-1	E	7	0	40	29				
Jersey (St. Aubin's)	30.20	38	ESE	5	0	30.37	+0.17	28	26	-12	NE	4	0	41	28	0.25			
Hurst Castle ...	30.29	36	NE	5	0	30.50	+0.26	30	30	-2	ESE	7	0	37	27				
FRANCE AND BELGIUM.																			
Dungeness ...	30.26	33	E	6	0	30.44	+0.33	29	28	-5	E	8	0	38	28	0.15			
North Foreland	30.32	32	E	6	0	30.52	+0.41	29	27	-9	E	6	0	39	26				
London ...	30.34	30	ESE	4	0	30.74	+0.34	28	27	-7	NE	4	0	37	26	0.05			
Oxford ...	30.44	28	NE	3	0	30.58	+0.33	27	25	-5	ESE	3	0	36	24				
Cambridge ...	30.43	28	NW	4	0	30.61	+0.39	28	26	-3	NNE	3	0	36	24				
Yarmouth ...	30.34	31	ESE	8	0	30.57	+0.42	31	31	-4	E	6	0	37	29	0.01			
GERMANY & HOLLAND.																			
Cuxhaven ...	30.47	24	ESE	6	0	30.67	+0.47	25	24	0	NE	5	0	25	23				
Berlin ...	30.46	18	NNE	3	0	30.82	+0.36	17	17	-7	NNE	2	0	30	12				
Wiesbaden ...	30.82	17	NE	6	0	30.82	+0.49	19	17	-12	NE	6	0	31	16				
Munich ...	30.62	17	NE	6	0	30.15	+0.25	3	2	-15	NE	4	0	19	3				
The Helder ...	30.54	38	ESE	7	0	30.69	+0.45	26	24	-7	E	5	0	?	25				
FRANCE AND BELGIUM.																			
Brussels (9 a.m.)	*	*	*	*	*	30.52		16	?		NE	5	0	31	13				
Cape Gris Nez	*	*	*	*	*	30.52		16	?		NE	5	0	31	13				
Paris ...	30.14	29	NE	3	0	30.29	+0.24	19	17	-11	NNE	4	0	?	?				
Brest ...	?	28	N	0	0	?		28	28	-11	E	3	0	43	26				
Lorient ...	30.15	37	N	5	0	30.25	+0.05	28	24	-11	ESE	5	0	39	25				
FRANCE AND BELGIUM.																			
Rochefort ...	30.07	35	NNE	4	0	30.10	-0.07	28	27	-5	ESE	5	0	41	25				
Belfort ...	?	21	E	6	0	?		18	16	-7	E	7	0	31	?				
Lyons ...	29.91	16	N	5	0	29.97		18	17	-11	N	6	0	32	18				
Nice ...	?	37	E	1	0	29.60	0.00	37	31	-2	NE	4	0	43	36				
Perpignan ...	29.86	36	NW	5	0	29.88	-0.02	29	26	-7	NW	4	0	41	28				
Biarritz ...	30.05	38	NE	3	0	30.06	-0.03	28	27	-4	NE	5	0	41	27				
FRANCE AND BELGIUM.																			
Corunna ..	*	*	*	*	*	30.01		35	34	-5	NNE	3	0	50	34				
Lisbon ...	30.06	12	N	3	0	30.01	-0.08	35	34	-5	NNE	3	0	50	34				

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday 5<sup>th</sup> Jan<sup>y</sup> 1894

## 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 5 to 10.  
→ forces 5 to 7 → forces 1 to 4.  
— dead calm.

**SEA DISTURBANCE**—Where considerable, it is shown thus—

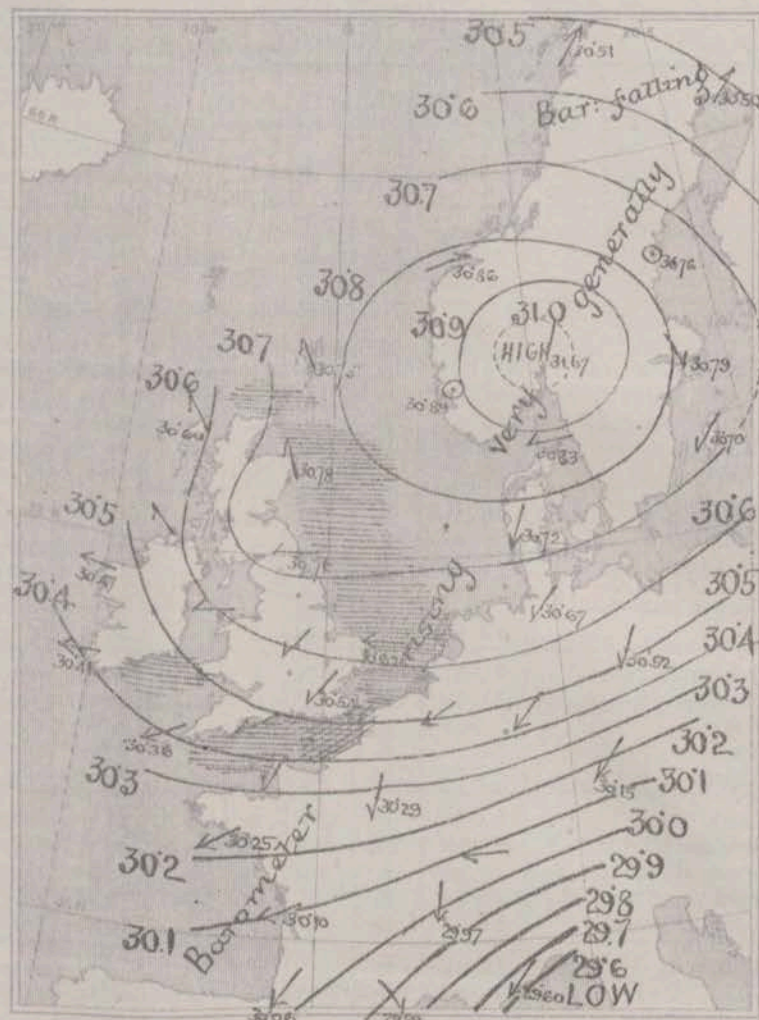
— Rough. — High

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardfinnan	29.838
Mullaghmore	29.817
Donaghadee	29.806
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.805
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Scilly	29.909
Prawle Point	30.005
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.990
Cambridge	29.963
Yarmouth	29.970



## 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.

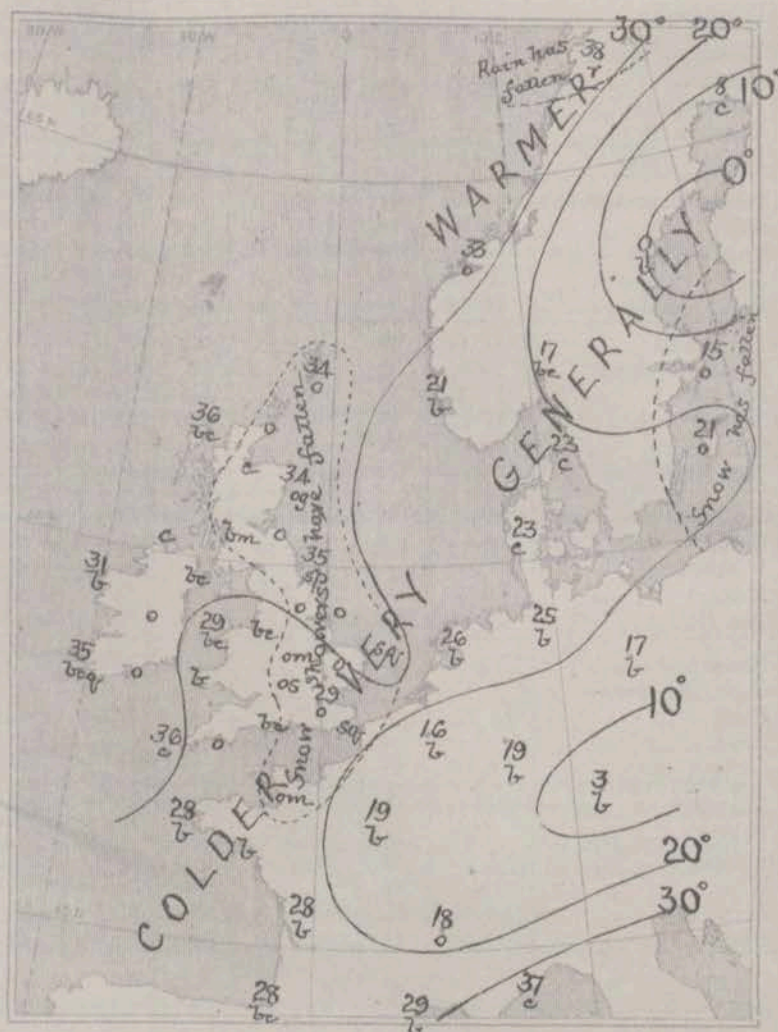
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	42.9	35.0	30.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.9	38.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.90
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.57
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardfinnan	44.2	34.3	40.0	38.8	1.25
Mullaghmore	46.1	38.0	41.0	40.4	4.30
Donaghadee	44.4	36.1	40.0	39.2	2.08
Holyhead	45.6	38.7	41.7	40.3	2.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	0.69
Roche's Point	47.7	39.5	43.2	41.9	5.90
Pembroke	45.5	39.0	42.7	41.3	3.75
Scilly	48.8	42.9	46.1	44.9	3.75
Prawle Point	46.2	37.0	42.0	41.6	3.09
Jersey	45.8	38.3	41.4	40.4	5.21
Hurst Castle	45.9	36.3	40.3	39.5	2.94
Dover	43.5	36.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.36
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

**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, 30.7 in. to 30.9 in. and upwards, in a large anticyclone covering all the most southern parts of Scandinavia with Denmark, the North Sea, and the northern parts of Great Britain.

Lowest, 29.6 in. and less, in a depression over the Gulf of Genoa.

Gradients rather steep over the southern parts of France and Germany, but slight elsewhere. Barometer rising generally, but falling in the north of Scandinavia.

## TEMPERATURE

Highest, (1) 38° at Rode, 36° at Birmmday and Feilly, and 35° at Hill. Shields, Valencia (Ireland) and Rochester; (2) 37° at Niza and 35° at Lisbon.

Lowest, (1) 0° zero at Hemsö and 8° at Haparanda and 15° at Stockholm; (2) 3° at Munich, 17° at Berlin, and 18° at Riga.

Thaw frost occurred last night in most parts of the United Kingdom; at Nain the standard thermometer fell to 22°, at Loughone to 23°, and at Oxford and Cambridge to 24°.

## WIND

E or NE over the greater part of Western Europe, but SE in Scotland and the north of Ireland and SW over the northern parts of Scandinavia. On the more exposed parts of our west, south, and southeast coasts the E wind blows strongly, with a gale at Dungeness.

## WEATHER

Cloudy, with snow squalls, in the eastern and central parts of England.

Fair or fine in most other parts of our area, but dull in the north of Scotland and the west of Norway, with rain at Rode.

Since yesterday morning snow or hail has fallen in many parts of Great Britain, the fall being rather decided at Dungeness and Jersey.

## SEA

High at Dungeness, and rough or rather so on most parts of our northern, eastern, and southern coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present. The anticyclone over Scandinavia is apparently moving southwards, but strong easterly winds will probably continue on many parts of our coast.

# FORECASTS

For the 24 hours ending at NOON on 4<sup>th</sup> JANUARY, 1894

## DISTRICTS.

## FORECASTS.

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

SE winds, moderate or fresh; fair generally.

E winds, moderate; cloudy, some snow showers.

Same as No. 5.

Same as No. 2.

E winds, moderate inland; strong on coast; changeable, some snow showers.

## DISTRICTS.

## FORECASTS.

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

E winds, freshening; fair generally.

E and SE winds, strong; fair to cloudy and some snow 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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.72	32	32	E.N.E.	2	b	2	Valencia ...	30.33	42	39	E	3	b	3
Sumburgh Head ...	30.57	35	34	E.S.E.	3	bc	4	Scilly ...	30.26	44	39	N.E.	4	c	1
Stornoway ...	30.40	40	39	S.E.	4	b	4	Jersey ...	30.17	41	37	per E	5	bc	4
Aberdeen ...	30.86	35	31	S.E.	6	cq	6	Hurst Castle ...	30.21	37	36	N.E.	4	bc	3
Shields ...	30.47	36	34	N.E.	5	cq	5	Dungeness ...	30.16	36	34	E	5	c	4
Ardrossan ...	30.43	36	34	N.E.	1	bc	1	North Foreland ...	30.23	35	33	E	6	S	6
Malin Head ...	30.41	33	35	S.S.E.	2	0	0	London (Westminster) ...	30.24	37	35	N	3	og op	4
Mullaghtmore ...								Yarmouth ...	30.25	32	31	E	8	cqrs	6
Behmullet ...	30.38	37	33	E.S.E.	4	b	4	Rocheport ...	30.09	39	38	N.E.	4	b	4
Holyhead ...	30.36	40	37	E	3	c	2								

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

Weather fair over the greater part of the United Kingdom and France, but dull in places, with snowshowers at Wick, and hail at the North Foreland. Fine and bright in Scandinavia, Denmark and Russia, as well as in Spain and the south of Italy; dull over Germany, Austria, central France and northern Italy, with snow in many places and even as far south as Rome. Snow falling during day in Sweden, and also in several parts of Great Britain, the quantity being rather large at Jersey and Dungeness.

Temperature risen in most parts of France and southern Europe, but fallen elsewhere. Morning readings highest 51° at Trieste and Remous, 50° at Malta and Algiers, 47° at Brindisi and 46° at La Caille; above 40° at most of the Mediterranean stations and just touching that point in the Scilly and Channel Islands. Lowest 4° at Helsingfors, 5° at Riga, 8° at Kuopio, and 9° at Mirel (many of the Russian reports wanting); considerably below the freezing point in Scandinavia and Central Europe generally, and slightly below it at some of the English stations. Daily maxima below 40° in all but the southwestern parts of the United Kingdom and also in many parts of France, but thermometer reaching 50° at Lisbon.

Wind NE<sup>3</sup> over a considerable portion of our Islands and the Continent; light or moderate in force generally, but strong in force on the southeast coasts of England, as well as at some of the Danish and Baltic stations. SE<sup>1</sup> in the extreme north and northwest of our Islands. N<sup>3</sup> in Russia. S<sup>1</sup> or SW<sup>3</sup> over the southern parts of Italy. Variable in Algeria. Subsequently increasing to a fresh gale from the E<sup>nd</sup> on the Norfolk coast; no important change occurring elsewhere.

Barometre highest 30.7 in: and upwards over Central Sweden; 30.4 in: and upwards in a large anticyclone covering the whole of Scandinavia and extending westwards over the North Sea and the northern parts of our Islands. Lowest 29.6 in: and less in a depression over the Gulf of Genoa. Anticyclone continuing to spread westwards and southwards during day, and barometer rising in most parts of Northwestern Europe.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

Weekly " " " £1 10 0



# DAILY WEATHER REPORT

for 8 a.m. on

Thursday, 4<sup>th</sup> January,

1894.

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

Issued by the Meteorological Office, 65, Victoria Street, London. R. H. SCOTT, Secretary.																				
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 3).	SHADE TEMP.		Amount of Rainfall.			
		Reading at 5 P. and Sea Level.	Dry Bulb.	Force (0 to 12).	Weather.		Reading at 5 P. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).		Weather.	Max.		Min.		
		Inch.	°				Inch.	°	°	°										
SCANDINAVIA.	Haparanda ...	30.41	14	2	0	0	30.43	-0.02	16	15	+1	WNW	2	b	3	0	16	5	—	
	Hernösand ...	30.65	11	2	0	0	30.66	-0.01	22	20	+2	WNW	2	bc	3	0	22	14	—	
	Stockholm ...	30.80	13	2	0	0	30.75	-0.05	19	18	+1	W	2	0	3	0	19	9	—	
	Wibby ...	30.77	17	15	4	0	30.81	+0.04	18	17	-1	S	2	b	3	0	27	14	—	
	Bodö ...	30.55	10	10	6	0	30.56	+0.01	29	27	+2	SW	5	0	3	0	40	34	0.01	
SCANDINAVIA.	Christiansund...	30.90	35	SW	2	0	30.86	-0.04	34	29	+5	SE	1	bc	3	0	36	32	—	
	Skudesnaes ...	30.89	22	ENE	1	0	30.81	-0.08	26	25	+1	ENE	1	bc	1	0	27	21	—	
	Christiania Fjord (Farder)	30.85	25	WNW	2	0	30.80	-0.05	31	28	+3	WNW	1	0	1	0	3	16	—	
	Skagen (The Seaw)	30.81	23	2	0	0	30.77	-0.04	26	25	+1	ESE	1	0	0	0	27	14	—	
	Fanö ...	30.71	21	NNE	5	0	30.68	-0.03	21	21	0	NE	2	b	3	0	28	18	—	
SCANDINAVIA.	Sumburgh Head	30.77	26	NNE	1	0	30.76	-0.01	33	32	-1	SSE	1	0	3	0	36	32	—	
	Stornoway ...	30.66	23	S	4	0	30.64	-0.02	33	33	0	SE	3	c	3	0	38	29	0.03	
	Wick ...	30.73	25	NNE	4	0	30.67	-0.06	35	33	0	SE	5	0	4	0	36	32	—	
	Nairn ...	30.74	26	2	0	0	30.67	-0.07	32	31	+1	W	0	c	1	0	33	20	—	
	Aberdeen ...	30.79	34	NNE	2	0	30.67	-0.12	35	32	+3	E	5	oggy	5	0	35	33	—	
SCANDINAVIA.	Leith ...	30.75	34	NNE	1	0	30.53	-0.22	36	34	+2	E	2	0	3	0	35	30	—	
	Shields ...	30.71	33	ENE	3	0	30.52	-0.19	34	32	-2	ENE	3	oggy	3	0	35	32	0.01	
	Spurn Head ...	30.53	23	ENE	5	0	30.42	-0.11	30	30	0	ENE	5	oggy	5	0	34	28	0.02	
	York ...	30.67	32	ENE	1	0	30.48	-0.19	30	30	0	ENE	1	0	3	0	35	29	0.02	
	Loughborough	30.61	27	NNE	2	0	30.40	-0.21	26	26	0	ENE	2	0	3	0	30	25	0.03	
BRITISH ISLANDS.	Ardrossan ...	30.72	23	E	2	0	30.56	-0.16	33	32	+1	ENE	2	om	1	0	34	30	—	
	Malin Head ...	30.59	22	SE	5	0	30.51	-0.08	34	31	+3	SE	5	0	2	0	34	31	—	
	Mullaghmore ...	30.52	20	SE	6	0	30.41	-0.11	32	32	0	E	2	bc	3	0	34	29	—	
	Belmullet ...	30.69	25	ENE	3	0	30.57	-0.12	35	32	+3	ENE	7	bc	5	0	36	32	—	
	Donaghadee ...	30.64	21	ENE	2	0	30.43	-0.21	31	30	+1	ENE	4	c	3	0	32	28	—	
BRITISH ISLANDS.	Liverpool (Bidston)	30.64	20	ENE	2	0	30.44	-0.20	34	33	+1	E	4	0	3	0	34	30	—	
	Holyhead ...	30.56	21	E	5	0	30.43	-0.13	31	31	0	E	2	b	3	0	35	30	—	
	Parsonstown ...	30.44	26	E	5	0	30.34	-0.10	34	32	-2	ENE	2	0	3	0	35	32	—	
	Valencia ...	30.49	26	ENE	7	0	30.34	-0.15	35	34	+1	E	6	f	5	0	37	32	—	
	Roche's Point	30.51	21	E	5	0	30.23	-0.28	28	28	0	NNE	4	oggy	3	0	32	25	—	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.37	25	ENE	6	0	30.19	-0.18	22	29	-7	ENE	6	c	4	0	36	29	—	
	Scilly ...	30.42	20	E	7	0	30.18	-0.24	25	25	0	E	7	c	6	0	35	25	—	
	Prawle Point ...	30.35	20	NNE	7	0	30.09	-0.26	24	28	-4	ENE	6	bc	5	0	30	23	0.02	
	Jersey (St. Aubin's)	30.47	29	NNE	6	0	30.22	-0.25	28	27	-1	NNE	7	bc	5	0	37	25	—	
	Hurst Castle ...	30.40	21	E	7	0	30.18	-0.22	25	25	0	E	8	c	7	0	31	24	—	
BRITISH ISLANDS.	Dungeness ...	30.48	21	E	7	0	30.26	-0.22	25	24	-1	E	8	c	7	0	31	24	—	
	North Foreland	30.57	29	NNE	5	0	30.28	-0.29	25	24	-1	NNE	7	0	3	0	31	24	0.20	
	London ...	30.53	25	ENE	3	0	30.33	-0.20	25	24	-1	NNE	2	oggy	3	0	31	23	—	
	Oxford ...	30.56	26	NNE	2	0	30.33	-0.23	25	25	0	ENE	4	bc	3	0	32	23	0.01	
	Cambridge ...	30.52	21	ENE	7	0	30.36	-0.16	27	26	-1	E	9	oggy	6	0	32	25	0.02	
GERMANY & HOLLAND.	Cuxhaven ...	30.62	24	ENE	6	0	30.61	-0.01	20	19	-1	E	6	b	3	0	19	14	—	
	Berlin ...	30.59	15	SE	2	0	30.60	+0.01	5	4	-1	SE	4	b	3	0	19	5	—	
	Wiesbaden ...	30.55	15	SE	2	0	30.23	-0.32	9	8	-1	NNE	5	b	3	0	19	9	—	
	Munich ...	30.55	15	SE	2	0	30.23	-0.32	9	8	-1	NNE	5	b	3	0	19	9	—	
	The Helder ...	30.62	27	E	6	0	30.52	-0.10	19	18	-1	E	8	b	4	0	20	19	—	
FRANCE AND BELGIUM.	Brussels (6 a.m.)	30.40	24	E	6	0	30.32	-0.08	11	5	-6	ENE	6	b	3	0	24	11	—	
	Cape Gris Nez	30.26	21	NNE	5	0	30.18	-0.08	12	11	-1	E	5	b	3	0	25	16	—	
	Paris ...	30.26	21	NNE	5	0	30.08	-0.18	12	11	-1	E	5	b	3	0	25	16	—	
	Brest ...	30.26	21	NNE	5	0	30.08	-0.18	12	11	-1	E	5	b	3	0	25	16	—	
	Lorient ...	30.26	21	NNE	5	0	30.08	-0.18	12	11	-1	E	5	b	3	0	25	16	—	
FRANCE AND BELGIUM.	Rochefort ...	30.11	22	ENE	3	0	29.97	-0.14	15	14	-1	NNE	5	b	3	0	27	12	—	
	Belfort ...	30.11	22	ENE	3	0	29.97	-0.14	15	14	-1	NNE	5	b	3	0	27	12	—	
	Lyons ...	29.93	17	WNW	4	0	29.73	-0.20	10	7	-3	N	1	0	3	0	20	10	—	
	Nice ...	29.61	16	NNE	2	0	29.65	+0.04	22	25	-3	NNE	2	c	6	0	29	20	—	
	Perpignan ...	29.80	23	WNW	6	0	29.81	+0.01	21	19	-2	WNW	2	b	3	0	24	21	—	
PENINSULA.	Biarritz ...	29.94	23	WNW	4	0	29.92	-0.02	15	15	0	E	4	0	3	0	23	14	—	
	Corunna ...	29.89	21	WNW	2	0	29.78	-0.11	15	14	-1	NNE	4	0	3	0	25	22	—	
PENINSULA.	Lisbon ...	29.89	21	WNW	2	0	29.78	-0.11	15	14	-1	NNE	4	0	3	0	25	22	—	

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Thursday, 4<sup>th</sup> January 1894

## 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

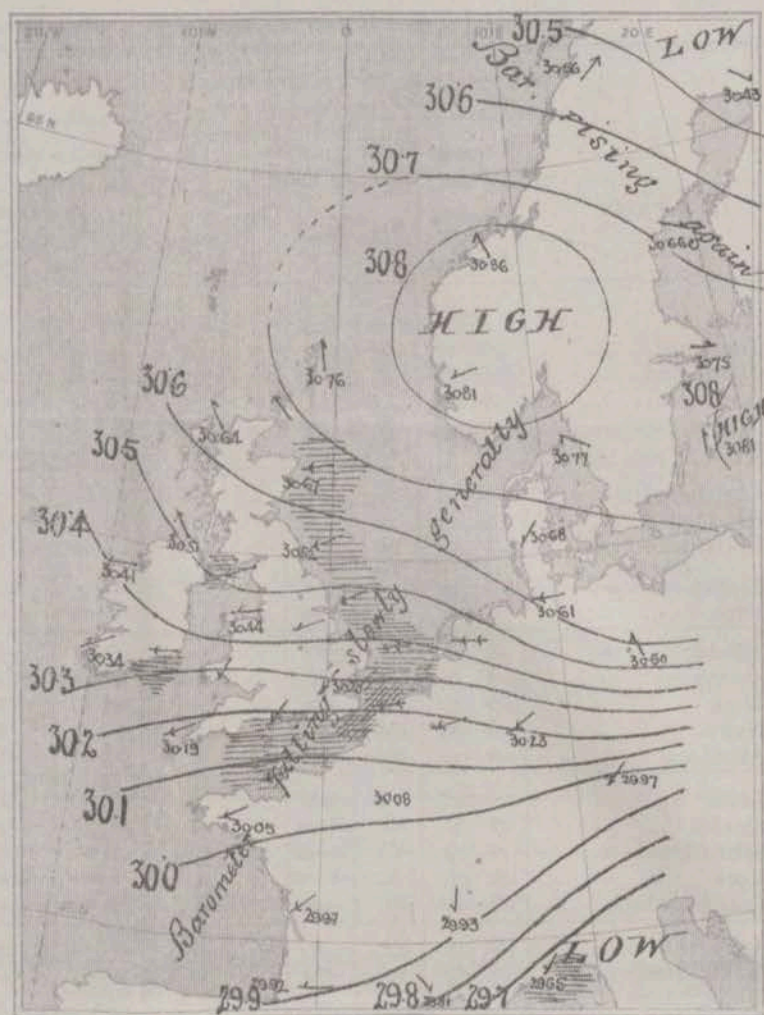
at 8.0 a.m. for the month of January.

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.841
Spurn Head	29.920
York	29.982
Loughborough	29.967
Ardrossan	29.848
Mullaghmore	29.817
Doughbeale	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roshe's Point	29.908
Pembroke	29.936
Scilly	29.969
Prawle Point	30.000
Jersey	30.022
Hurst Castle	30.062
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

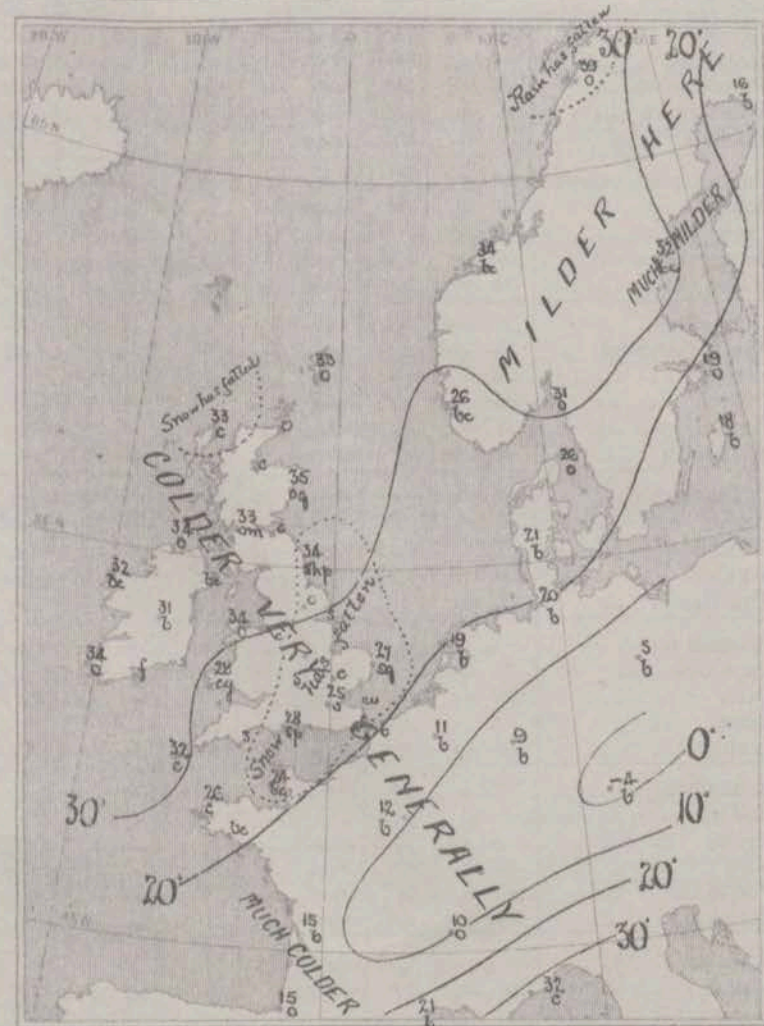
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.98
Shields	43.9	34.2	38.2	36.9	1.75
Spurn Head.	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.30
Doughbeale	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.0	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	40.5	40.4	44.5	43.3	0.60
Roshe's Point	47.7	39.5	43.2	41.9	5.60
Pembroke	45.5	39.6	42.7	41.3	3.75
Scilly	48.8	42.0	46.1	44.9	3.75
Prawle Point	46.2	37.6	42.0	41.0	3.00
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

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, 30.8 in. and upwards over the southern parts of Norway and also over Gotthard.  
 Lowest, 29.7 in. and less, over the Gulf of Genoa; 29.8 in. and less over the southern part of the Spanish Peninsula.  
 Gradients rather steep over Germany and the Netherlands, but moderate or slight elsewhere.  
 Barometer falling generally, but rising over the northern parts of Scandinavia.

## TEMPERATURE

Highest, (1) 39° at Alais, 36° at Leith, and 35° at Wick, Aberdeen, Douglas, Valencia (Ireland) and Rochfort; (2) 35° at Lisbon.  
 Lowest, -4° Fahr. at Munich, +5° at Berlin, 9° at Wiesbaden, 10° at Lyons, 11° at Brussels, 12° at Paris, 15° at Rochfort and Biarritz.  
 At many of the English stations the thermometer yesterday failed to reach 32°; at Loughborough, Crawley and Jersey the maximum was only 30°.

## WIND

Chiefly E<sup>3</sup> or NE<sup>4</sup>, strong in force on many parts of the English and Irish coasts, with a gale in the east and southeast.  
 SE<sup>1</sup> on the northern coasts of Ireland and Scotland; SW<sup>1</sup> or W<sup>1</sup> over the northern parts of Scandinavia.

## WEATHER

Fine at some of the Irish stations, but cloudy or overcast in most other parts of the United Kingdom, with snow over England.  
 Fine at most of the Continental stations.  
 Since yesterday morning snow has fallen in many parts of England, the amount being mostly small, but rather large 0.20 inch at Buxton. At Westminster the measurement was only 0.03 inch.

## SEA

High in the Kentish coasts and rough or rather so in the east and south generally, as well as at some of the more exposed stations in the west.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The gradients over our Islands are increasing generally, and the gale in the south and east seems likely to extend further to the northward. Snow showers are probable in many districts.

## FORECASTS

For the 24 hours ending at NOON on 5<sup>th</sup> JAN<sup>y</sup> 1894

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	} E <sup>4</sup> and SE <sup>4</sup> winds, increasing in force; cloudy, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E <sup>4</sup> and NE <sup>4</sup> winds, strong; squally, some snow showers.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as No 2.
5	ENGLAND SOUTH	E <sup>4</sup> and NE <sup>4</sup> gales and strong winds; squally, some snow showers.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	} E <sup>4</sup> winds, freshening; cloudy, some snow showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	} E <sup>4</sup> winds, strong; fair generally, but snow showers in places.
10	IRELAND SOUTH	
WARNINGS		At 7.10 pm yesterday to districts 3.5. and part of 2 and 8. "Hoist North Cone".

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.79	36	24	E.N.E.	1	b	2	Valencia ...	30.41	27	35	E.S.E.	5	b.c.g.	5
Sumburgh Head ...	30.78	35	33	S.E.	2	o	4	Scilly ...	30.38	35	32	E.N.E.	6	c	4
Stornoway ...	30.61	36	34	S.E.	4	b	4	Jersey ...	30.34	36	30	N.E.	6	b.c.	5
Aberdeen ...	30.79	34	32	S.S.E.	2	o	4	Hurst Castle ...	30.49	31	31	E.N.E.	7	b.c.	6
Shields ...	30.72	35	33	E.N.E.	4	o	5	Dungeness ...	30.45	30	30	E.	7	o.s.g.	6
Ardrossan ...	30.70	34	32	E.	2	o	2	North Foreland ...	30.52	29	27	E.	7	o.s.p.	5
Main Head ...	30.57	32	30	N.E.	3	b	2	London ...	30.54	31	30	E.	6	c.r.s.g.p.	5
Mullaghmore ...	30.44	34	32	S.E.	6	b	3	Yarmouth ...	30.35	32	31	E.	5	b	5
Belmullet ...	30.44	34	32	S.E.	6	b	3	Rochefort ...	30.19	27	26	E.N.E.	5	b	5
Holyhead ...	30.62	31	30	E.S.E.	2	b	1								

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

Weather fine at many of our western stations, but cloudy in other parts of the United Kingdom, with snowsqualls over Eastern and central England. Fine and bright over the greater part of the Continent, but dull in the west of Norway, with rain at Røst. Rain was also falling at Athens, Palermo, and La Celle. No important change occurring during day, but heavy snow-falling in the southern suburbs of London at night.

Temperature fallen generally, but risen in the west of Norway. Morning readings highest (1) 48° at Athens and Algiers, 46° at Oran, and 41° at Nemours, Tunis, and Sfax (Italian reports wanting); (2) 38° at Røst and 36° at Tromsø. Lowest -28° Fahr. at Archangel, -27° at Moscow, -11° at Kharkov and -8° at Kiof; below 10° in several parts of Germany and Austria, below 20° over Belgium and Central France, and below the freezing point over England and all but the extreme southern parts of the Continent. Remaining below 32° all day at several of the English and French stations and below 20° in Germany; maximum at Munich only 7°.

Wind E<sup>1</sup> or NE<sup>1</sup> over England and a considerable portion of the Continent, strong in force on many parts of the English and Irish coasts, and blowing a gale at Munich and Trieste. SE<sup>3</sup> in Scotland and the north of Ireland. SW<sup>1</sup> over the northern parts of Scandinavia. NW<sup>1</sup> or W<sup>1</sup> in Algeria. Subsequently increasing to a moderate gale from the E.<sup>2</sup> on the southeast coast of England; no important change occurring elsewhere.

Barometer highest 30.8 in. and upwards over the southern parts of Scandinavia and the northern part of the North Sea; 30.6 in. and upwards, in a large anticyclone covering nearly the whole of northern Europe and extending westwards over all the more northern parts of Great Britain. Lowest 29.6 in. and less in a large depression lying (apparently) over Italy and the adjacent part of the Mediterranean. Gradients steep over Austria, South Germany, Switzerland, and the southeast of France. Fall taking place during day over France, Spain and the south of our Islands, with some increase in the gradients for easterly winds.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on

Friday 5. January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		Barom.	Temp.	Wind.	Force	Weather.	Barometrical.		Shade Temp.			Wind.	Force	Weather.	Sea	Shade Temp.		Amount of Rainfall.	
							Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.					Direc.	Max.		Min.
		Inch.	°	Direc.	(0 to 12).		Inch.	°	°	°		(0 to 12).		(0 to 9).		°	Inch.		
SCANDINAVIA.	Haparanda ...	30.34	22	NW	2	b	30.31	-.12	18	17	+	2	2	0	b	6	25	12	-
	Hernösand ...	30.62	24	2	0	b	30.50	-.16	23	22	-	9	2	0	bc	6	36	9	-
	Stockholm ...	30.69	23	W	2	b	30.62	-.13	18	17	-	1	NSW	2	b	6	?	10	-
	Wisby ...	30.71	23	E	4	o	30.68	-.13	26	24	+	8	S	4	o	6	28	14	-
	Bodö ...	30.83	39	NSW	6	o	30.48	-.08	39	37	-	0	NSW	6	o	3	39	36	0.04
	Christiansund...	30.76	32	ESE	2	b	30.62	-.24	30	29	-	4	ESE	1	b	2	34	28	-
	Skudesnaes ...	30.71	34	2	0	o	30.52	-.29	34	32	+	8	ESE	4	c	2	34	26	-
	Christiania Fjord (Fjorder)	30.73	29	NNE	5	b	30.61	-.19	26	24	-	5	NNE	5	o	1	32	25	-
	Skagen (The Scaw)	30.70	28	SSE	1	o	30.60	-.17	27	26	+	1	SSE	1	o	0	28	25	-
	Fanö ...	30.35	24	ESE	6	o	30.40	-.28	19	18	-	2	ESE	6	b	6	27	19	-
BRITISH ISLANDS.	Sumburgh Head	30.62	36	SE	3	o	30.38	-.38	35	34	+	2	ESE	3	o	4	36	30	0.02
	Stornoway ...	30.49	36	SE	4	c	30.23	-.41	36	35	+	3	SE	5	o	4	36	30	-
	Wick ...	30.83	36	ESE	6	ow	30.23	-.44	37	35	+	2	SE	8	ow	6	38	34	0.02
	Nairn ...	30.47	34	E	1	c	30.22	-.45	34	33	+	2	E	1	o	1	34	29	-
	Aberdeen ...	30.51	36	ESE	7	og rrs	30.24	-.43	34	30	-	1	E	7	og rhp	7	36	33	0.03
	Leith ...	30.40	35	E	3	o	30.09	-.50	32	32	-	4	E	3	o	4	37	29	-
	Shields ...	30.35	34	E	7	bepot	30.03	-.49	33	32	-	1	E	7	osthp	7	35	26	0.02
	Spurn Head ...	30.20	30	E	8	ogv	29.93	-.49	27	26	-	3	E	7	og	6	31	26	0.02
	York ...	30.31	28	ENE	2	f	29.96	-.52	28	28	-	2	ENE	2	o	6	31	27	0.11
	Loughborough	30.21	24	NE	3	5	29.92	-.51	20	19	-	6	E	5	sq	6	27	19	0.05
GERMANY & HOLLAND.	Ardrossan ...	30.37	33	ENE	2	omv	30.04	-.52	32	31	-	1	ENE	4	bm	2	36	29	-
	Malin Head ...	30.29	36	ESE	7	osp	29.98	-.53	33	31	-	1	SE	7	omsp	3	37	29	-
	Mullaghmore ...																		
	Belmullet ...	30.27	33	E	3	b	29.95	-.46	30	30	-	2	E	4	bc	6	35	28	-
	Donaghadee ...	30.22	35	ENE	7	bosp	29.99	-.52	30	32	-	2	ENE	9	bc	7	37	30	0.02
	Liverpool (Bidston)	30.24	27	ENE	4	c	29.91	-.52	25	24	-	6	ENE	5	o	4	32	24	0.01
	Holyhead ...	30.21	29	ESE	6	c	29.90	-.54	27	26	-	7	E	6	o	4	34	20	-
	Parsonstown ...	30.18	29	E	3	b	29.89	-.54	27	26	-	4	E	1	b	6	35	23	-
	Valencia ...	30.11	31	NE	4	b	29.84	-.52	26	25	-	8	NE	5	c	4	36	25	-
	Roche's Point	30.07	31	ENE	6	spf	29.82	-.52	25	25	-	10	ENE	5	fsp	5	35	25	0.35
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.04	27	ENE	2	b	29.79	-.44	25	25	-	3	ENE	5	sq	4	31	20	-
	Scilly ...	29.89	32	ENE	10	c	29.65	-.51	29	28	-	3	ENE	6	c	4	28	25	-
	Prawle Point ...	29.92	25	E	7	o	29.79	-.39	21	21	-	4	E	7	sq	6	25	21	-
	Jersey (St. Aubin's)	29.89	21	E	6	cmv	29.77	-.37	18	17	-	6	SE	4	ogmv	3	25	16	0.01
	Hurst Castle ...	29.94	27	ENE	8	cg	29.87	-.37	19	19	-	9	ENE	7	sgm	6	28	18	-
	Dungeness ...	30.03	20	E	8	o	29.83	-.35	15	15	-	10	SE	6	osq	5	28	13	-
	North Foreland	30.08	20	E	7	c	29.83	-.43	17	16	-	8	SE	6	sw	6	25	15	-
	London ...	30.07	23	NE	7	o	29.86	-.42	14	13	-	11	ESE	2	o	6	27	14	0.05
	Oxford ...	30.07	21	ENE	5	s	29.85	-.45	15	15	-	10	SE	2	s	6	26	15	0.01
	Cambridge ...	30.16	23	ENE	6	o	29.89	-.49	19	19	-	6	ENE	1	s	6	27	18	0.01
PENINSULAR.	Yarmouth ...	30.15	25	E	9	cg	29.90	-.46	21	21	-	6	ESE	7	csq	6	27	20	0.04
	Cuxhaven ...	30.61	15	E	7	b	30.30	-.31	5	3	-	15	ESE	6	b	6	20	5	-
	Berlin ...	30.54	4	NE	4	b	30.42	-.18	0	0	-	5	E	4	b	6	14	0	-
	Wiesbaden ...						30.06	-.17	10	9	+	1	NE	4	b	6	12	9	-
	Munich ...	29.92	-3	E	2	b	29.92	-.05	-3	-4	+	1	SW	3	b	6	5	-4	-
	The Helder ...	30.23	12	E	8	b	30.12	-.40	9	8	-	10	E	6	b	3	19	7	-
	Brussels (9 a.m.)	*	*	*	*	*	29.95	-.37	8	7	-	3	ESE	3	o	6	19	7	-
	Cape Gris Nez	30.00	10	E	6	b	29.83	-.35	9	9	-	8	E	5	bc	5	25	?	-
	Paris ...	29.97	11	E	4	b	29.79	-.29	7	6	-	5	ESE	2	b	6	17	7	-
	Brest ...	?	21	E	4	c	?	?	17	17	-	9	ESE	3	o	3	28	14	-
PENINSULAR.	Lorient ...	29.84	17	E	5	c	29.64	-.41	16	14	-	5	ESE	5	c	2	28	?	-
	Rochefort ...	29.81	15	E	3	o	29.69	-.28	15	14	-	0	SE	4	o	6	25	12	-
	Belfort ...	?	11	NE	5	b	?	?	8	7	+	1	E	4	b	6	13	2	-
	Lyons ...																		
	Nice ...	29.78	34	N	1	c	29.87	+.22	30	28	-	2	E	3	o	4	30	30	-
	Perpignan ...	29.86	21	2	o	b	29.73	-.08	26	24	+	5	E	2	o	6	29	17	-
	Biarritz ...	29.77	22	ENE	3	b	29.68	-.34	25	24	+	10	E	3	o	2	27	18	-
	Corunna ...	*	*	*	*	*													
	Lisbon ...	29.50	42	ENE	4	r	29.58	-.20	41	41	+	6	N	3	f	6	43	41	0.05

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Friday, 5<sup>th</sup> January 1894

## 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 6 to 7; → force 4 to 6;

→ force 1 to 4;

→ dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

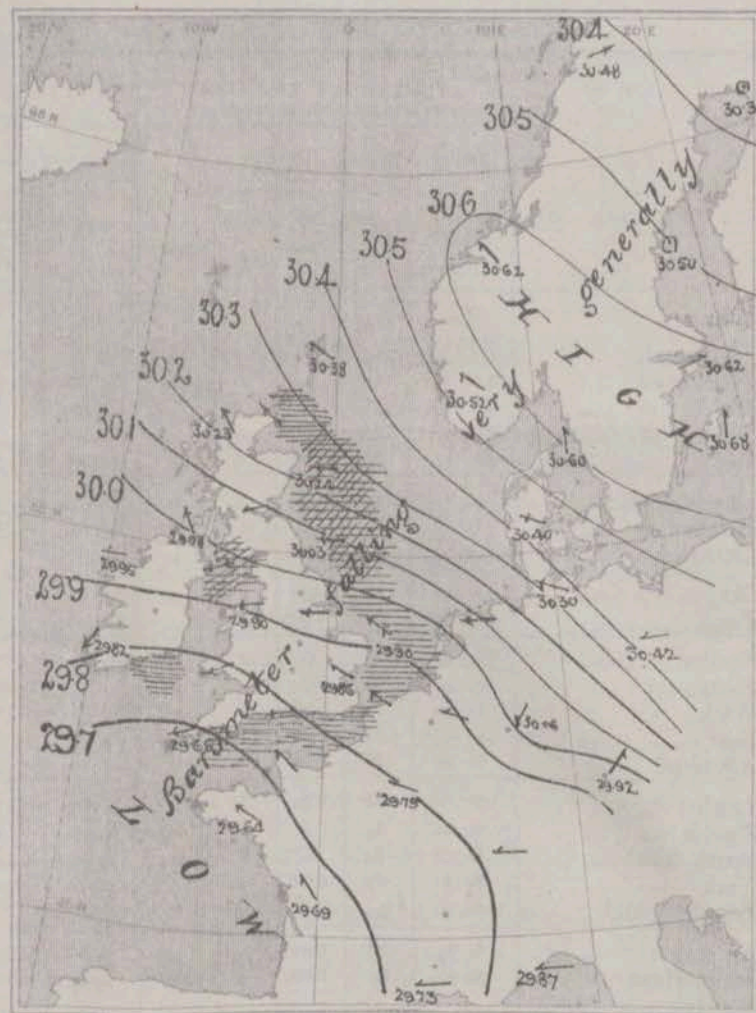
— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.475
Stornoway	29.682
Wick	29.719
Nairn	29.743
Aberdeen	29.787
Leith	29.825
Shields	29.841
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrumhan	29.938
Mullaghmore	29.817
Donaghadee	29.850
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Rocha's Point	29.908
Pembroke	29.936
Sally	29.909
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.062
Dover	30.012
LONDON	30.006
Oxford	29.990
Cambridge	29.993
Yarmouth	29.979



## 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.

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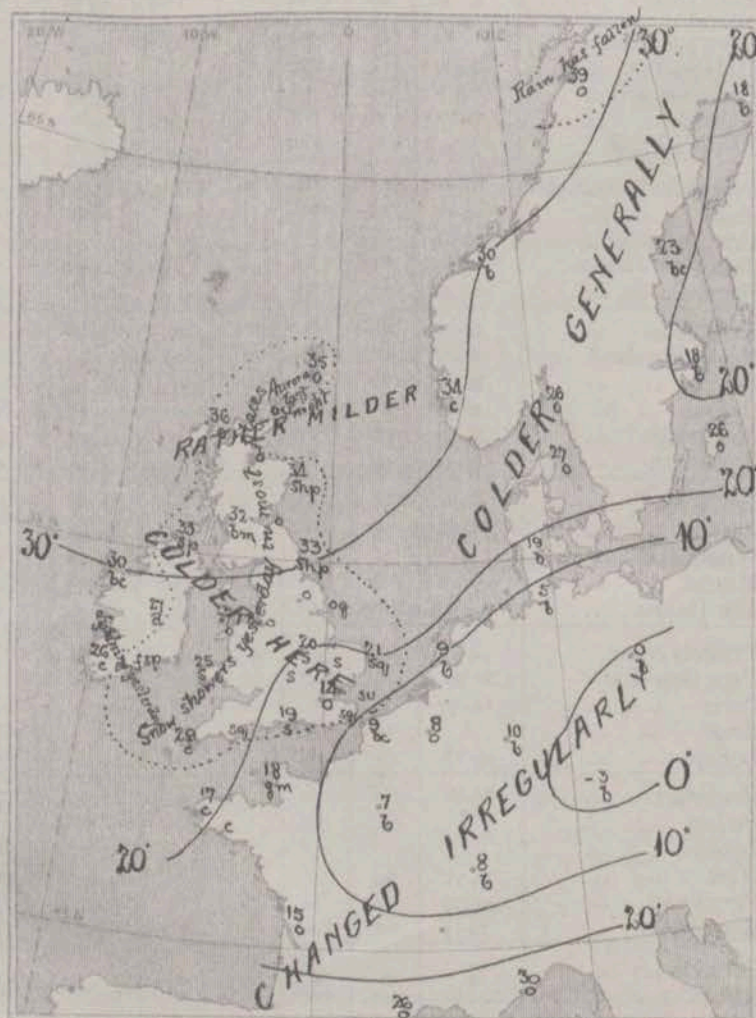
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.09
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.53
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrumhan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	40.1	38.0	41.6	40.4	4.36
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	40.5	40.1	44.5	43.3	6.69
Rocha's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.3	3.75
Sally	48.8	42.9	40.1	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

**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 ins. and upwards in a large anticyclone lying over Scandinavia.

Lowest 29.6 ins. and less in Portugal, 29.7 ins. and less in a large depression lying over Spain, the Bay of Biscay & the S.W. of France.

Gradients rather steep over Germany and the S.W. parts of the North Sea, but moderate or slight elsewhere.

Barometer falling generally, but rising again at London.

## TEMPERATURE

Highest (1) 41° at Lisbon; (2) 39° at Bodo, 37° at Wick, 36° at Stormy, & 34° at Skudesnes, &c. in S. of London.

Lowest -3° at Munich, 0° at Berlin, 5° at Cuxhaven, & 7° at Paris, lowest in our Islands 14° in London and 15° at Dover & Dungeness.

The maxima registered yesterday were 100° freezing point over a considerable part of England, at Jersey and the North Foreland the thermometer did not exceed 25°.

## WIND

E<sup>2</sup> over the greater part of western Europe, and strong to a gale on nearly all our own coasts.

Strong from the SW<sup>4</sup> at Bodo, calm over the N.W. parts of Sweden; light from the NW<sup>2</sup> at Lisbon.

## WEATHER

Fine at some of the Irish stations, but cloudy in all other parts of our Islands, with snow over the greater part of England.

Fine over the neighbouring parts of the Continent, but dull in the S.W. parts of Scandinavia & France.

Snow showers fell yesterday in many parts of the United Kingdom, the amounts measured this morning being small in most places, but large at Roche's Pt. Lightning was seen yesterday at Roche's Pt. and a bright aurora at Wick.

## SEA

High at Aberdeen, Shields and Donaghadee, and rough on nearly all other parts of our coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system in the south west is spreading northwards. No immediate change in the weather is indicated, but the winds on our southern coasts are likely to moderate gradually.

## FORECASTS

For the 24 hours ending at NOON on 6<sup>TH</sup> JAN 1894

### DISTRICTS.

### FORECASTS.

- ↑<sub>0</sub> SCOTLAND NORTH
- ↑<sub>1</sub> SCOTLAND EAST
- ↑<sub>2</sub> ENGLAND N.E.
- ↑<sub>3</sub> ENGLAND EAST
- ↑<sub>4</sub> MIDLAND COUNTIES
- ↑<sub>5</sub> ENGLAND SOUTH

E<sup>2</sup> and SE<sup>2</sup> gales and strong winds; squally, some snow, colder.

E<sup>2</sup> gales and strong winds; squally, some snow showers, colder.

E<sup>2</sup> winds, fresh, unsettled, some snow.

E<sup>2</sup> and SE<sup>2</sup> winds, moderate inland, strong on coast; changeable, some snow showers.

### DISTRICTS.

### FORECASTS.

- ↑<sub>6</sub> SCOTLAND WEST
- ↑<sub>7</sub> ENGLAND N.W.
- ↑<sub>8</sub> ENGLAND S.W.
- ↑<sub>9</sub> IRELAND NORTH
- ↑<sub>10</sub> IRELAND SOUTH

Same as N<sup>o</sup> 1, to 3.

E<sup>2</sup> winds, strong; squally, some snow showers.

Same as N<sup>o</sup> 1 to 3.

Same as N<sup>o</sup> 8.

At 3.50 pm yesterday to districts 1, 7 and parts of 2 and 9, and 7.0 pm to districts 2, 10 and the remainder of 9. Hoist N. Cone. The signals are now flying on all coasts.

### 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. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.77	32	30	ESE	1	o	1	Valencia ...	30.20	35	33	NE	4	b cm	1
Sumburgh Head ...	30.64	36	34	SE	2	o	3	Scilly ...	30.10	32	29	ESE	6	bc	4
Stornoway ...	30.55	36	36	SE	3	o	3	Jersey ...	29.95	25	23	E	6	bc	5
Aberdeen ...	30.57	36	33	E	5	o g h p	6	Hurst Castle ...	30.04	28	27	ESE	8	bc	6
Shields ...	30.44	35	32	E	5	bc h p	5	Dungeness ...	30.02	25	25	E	9	c	7
Ardrossan ...	30.46	36	35	ENE	2	a	1	North Foreland ...	30.14	25	22	E	7	c	7
Malin Head ...	30.37	37	32	ESE	6	o	3	London (Westminster) ...	30.14	26	25	NE	6	c g	6
Mullaghmore ...								Yarmouth ...	30.24	27	25	E	9	c g g	6
Belmullet ...	30.36	35	33	E	4	bc	#	Rochefort ...	29.89	18	16	ESE	4	bc	#
Holyhead ...	30.28	31	31	ESE	5	bc sp	4								

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

Weather fine at some of the Irish stations, but cloudy in other parts of the United Kingdom, with snow over England. Fine and bright over a considerable portion of the Continent, but dull in northern Russia, with snow at St. Petersburg; cloudy also in Austria, Spain and the south of France, with snow at Perpignan. Snow showers falling during day in many parts of our Islands, — amounts mostly slight, but large at Roche's Point. Lightning seen at Roche's Point and, bright aurora at Wick.

Temperature risen slightly at some of our own northern stations and rapidly over northern Asia, but fallen elsewhere. Morning readings, highest, (1) 46° at Algiers, 45° at Oran, and 43° at La Cella (Italian and Greek reports wanting) (2) 39° at Bodo, and 36° at Leith. Lowest — 27° F. at Moscow, — 24° at Khar'kov, — 44° at Kiev, — 4° at Munich and — 2° at Breslau and Cracow, below 10° in most parts of Germany, below 15° in Belgium and the central parts of France, and ranging between 25° and 27° over the eastern, central and southern parts of England. Remaining below the freezing point all day over a considerable portion of England, and not exceeding 25° at Jersey and the North Foreland. Hard frost over England at night, thermometer falling to 13° at Dungeness, and to 14° in London.

Wind E. or NE. over the greater part of our Islands and the Continent, and strong in force in many places, with a gale over the Netherlands, and the southeast of England, as well as at Trieste. Light from the W. over the northern parts of Scandinavia and Russia, and also at many of the Algerian Stations. Moderate gale setting in later on our northeast and northwest coasts; no important change occurring elsewhere.

Barometer highest 30.8 ins. and upwards in two areas, one lying over the southern parts of Norway and the other over central Russia; 30.5 ins. and upwards over all the more N. parts of our Islands and the Continent. Lowest 29.7 ins. and less in a large depression lying over the Adriatic, Italy (apparently) and the neighbouring parts of the Mediterranean, 29.8 ins. and less in another system over the southwestern parts of the Spanish Peninsula. Latter disturbance spreading slowly northwards during day and barometer falling in all parts of western Europe.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Saturday, 6<sup>th</sup> January,

1894.

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.		
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.				
SCANDINAVIA.																				
Haparanda ...	30.36	22	2	0	b	30.36	+05	6	6	-12	2	0	7	#	b	25	?	-		
Hernösand ...	30.47	15	2	0	b	30.88	-12	14	13	-9	2	0	b	#	b	30	14	-		
Stockholm ...	30.56	24	NW	2	0	30.46	-16	21	21	+3	E	2	b	#	0	25	16	-		
Wisby ...	30.59	17	SSW	4	b	30.42	-26	23	22	-3	SE	4	b	#	b	28	14	-		
Bodö ...	30.39	39	2	0	0	30.12	-36	82	29	-7	E	2	b	#	0	39	30	-		
Christiansund...	30.30	28	ESE	2	b	30.06	-56	27	26	-3	ESE	1	b	2	b	30	27	-		
Skudesnaes ...	30.17	33	ESE	6	b	30.01	-51	32	31	-2	SE	2	0	3	b	36	30	-		
Christiania Fjord (Fierder)	?	28	NNE	4	d	30.24	-37	26	24	0	NE	5	0	1	0	28	25	-		
Skagen (The Seaw)	30.28	25	SE	4	0	30.16	-44	28	27	+1	SSE	3	0	1	0	28	25	-		
Fanö ...	30.10	20	ESE	8	0	29.97	-43	20	19	+1	SE	6	0	#	0	21	18	-		
Sumburgh Head	30.11	36	ESE	5	0	29.72	-66	35	34	0	SE	4	0	6	ops	37	33	0.03		
Stornoway ...	29.96	34	SE	5	0	29.46	-77	34	33	-2	E	3	0	3	0	36	30	0.04		
Wick ...	29.97	33	SE	7	0	29.58	-65	30	28	-7	S	6	smu	7	0	37	28	0.15		
Nairn ...	29.90	32	ESE	1	0	29.54	-68	21	20	-13	SE	1	b	1	0	35	19	0.01		
Aberdeen ...	29.92	33	ESE	8	ops	29.67	-57	25	24	-9	SSE	5	cq	8	qsp	34	23	0.20		
Leith ...	29.78	32	E	3	S	29.60	-49	17	17	-15	SSE	3	bc	#	3	34	15	0.01		
Shields ...	29.77	29	E	5	0	29.71	-32	13	13	-20	SW	1	bc	5	osp	33	12	0.04		
Spurn Head ...	29.71	28	ESE	5	sm	29.69	-24	26	26	-1	NW	2	0	4	sm, b	28	19	0.02		
York ...	29.75	23	ESE	1	0	29.72	-24	12	12	-16	NW	1	0	#	0	30	10	0.12		
Loughborough	29.73	18	ESE	2	0	29.69	-23	20	20	0	ESE	1	smgsp	#	0	21	5	0.02		
BRITISH ISLANDS.																				
Ardrossan ...	29.76	31	NE	1	os	29.56	-48	25	24	-7	ESE	4	sm	4	os	33	23	0.03		
Malin Head ...	29.73	32	SE	6	osp	29.48	-50	23	22	-10	S	4	bcp	2	osp	35	23	-		
Mullaghmore ...																				
Belmullet ...	29.73	32	E	4	0	29.48	-47	34	29	+4	SE	4	0	#	0	34	26	0.05		
Donaghadee ...	29.71	30	ESE	8	S	29.53	-46	22	22	-11	NW	4	bc	5	S	35	20	0.11		
Liverpool (Bidston)	29.69	14	E	3	C	29.64	-27	16	14	-9	ESE	3	0	3	C	25	13	0.01		
Holyhead ...	29.67	21	ESE	4	bc	?	?	26	25	-1	ESE	1	C	1	6.6c	28	20	-		
Parsonstown ...	29.66	25	2	0	0	29.54	-35	7	7	-20	2	0	b	#	0.8	27	6	0.03		
Valencia ...	29.65	27	NE	1	cm	29.54	-28	22	21	-4	2	0	C	#	bcc, sm	31	20	-		
Roche's Point	29.62	24	NE	4	cs	29.51	-31	21	21	-4	NW	3	bc	4	cqs	25	20	0.40		
Pembroke (St. Ann's Hd.)	29.58	22	E	3	0	29.51	-28	30	28	+5	ESE	3	Cq	3	0	30	19	-		
Scilly ...	29.57	29	ESE	5	S	29.48	-17	33	32	+4	SSE	4	S	4	sp	33	25	-		
Prawle Point ...	29.60	21	E	3	S	29.56	-23	28	27	+7	E	2	C	1	S	28	20	-		
Jersey (St. Aubin's)																				
Hurst Castle ...	29.61	21	ESE	4	0	29.58	-29	28	27	+9	ESE	3	0	4	osm	28	18	0.06		
Dungeness ...	29.70	23	S	4	oqs	29.61	-22	30	30	+15	S	4	0	4	0	30	14	-		
North Foreland	29.74	21	S	5	Cq	29.62	-21	30	29	+13	S	5	Cq	4	0, csp	31	16	-		
London ...	29.72	18	SE	2	C	29.64	-22	24	23	+10	N	1	os	#	bc, o.b.s	24	13	0.14		
Oxford ...	29.69	14	E	1	0	29.64	-21	22	21	+7	NE	1	sp	#	csp	22	11	0.03		
Cambridge ...	29.73	16	ESE	1	0	29.66	-23	22	22	+3	NW	3	S	#	0	22	11	0.05		
Yarmouth ...	29.72	25	SE	7	cs	29.63	-27	32	31	+11	ESE	5	C	5	Cqsp	32	20	0.01		
GERMANY & HOLLAND.																				
Cuxhaven ...	30.12	13	ESE	6	b	29.91	-39	12	10	+7	SE	4	b	#	b	13	5	-		
Berlin ...	30.23	8	ESE	3	b	30.02	-40	10	10	+10	E	4	b	#	b	10	0	-		
Wiesbaden ...						29.81	-25	21	20	+11	2	0	0	#	#	21	10	-		
Munich ...	29.86	3	2	0	b	29.73	-19	10	10	+13	E	1	0	#	b	10	-4	-		
The Helder ...	29.92	?	ESE	5	b	29.78	-34	18	17	+9	ESE	2	C	2	b	18	7	-		
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)						29.71	-24	26	23	+18	ESE	1	0	#	0	?	7	-		
Cape Gris Nez	29.73	15	SE	1	bc	29.61	-22	24	24	+15	SE	1	m	1	bc	25	9	-		
Paris ...	29.74	23	ESE	2	0	29.63	-16	26	26	+19	ESE	2	0	#	0	?	?	-		
Brest ...	?	26	ESE	2	0	?	?	26	25	+9	ESE	4	m	#	0	27	16	-		
Lorient ...	29.51	25	E	5	0	29.56	-08	24	23	+8	E	3	m	2	0	27	16	-		
Rochefort ...	29.54	29	SE	4	0	29.60	-09	33	33	+18	SW	3	0	#	b.0	?	?	-		
Belfort ...	?	18	NE	4	b	?	?	17	15	+9	NE	3	b	#	b	19	8	-		
Lyons ...	?	21	E	1	0	29.73	-17	22	20	+12	N	1	0	#	0	?	?	-		
Nice ...	29.81	37	E	5	0	29.62	-25	38	31	+8	ESE	2	0	4	0	39	30	-		
Perpignan ...	29.65	40	S	3	0	29.58	-15	41	39	+15	S	2	r	#	c	44	26	-		
Biarritz ...	29.55	33	ESE	3	S	29.60	+02	32	32	+7	SE	2	r3	2	S	41	25	0.43		
PENINSULA.																				
Corunna ...																				
Lisbon ...	29.78	44	NW	3	b	29.65	+07	39	39	-2	N	3	bc	#	b	48	41	0.85		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Saturday, 6<sup>th</sup> Jan. 1894

## 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:

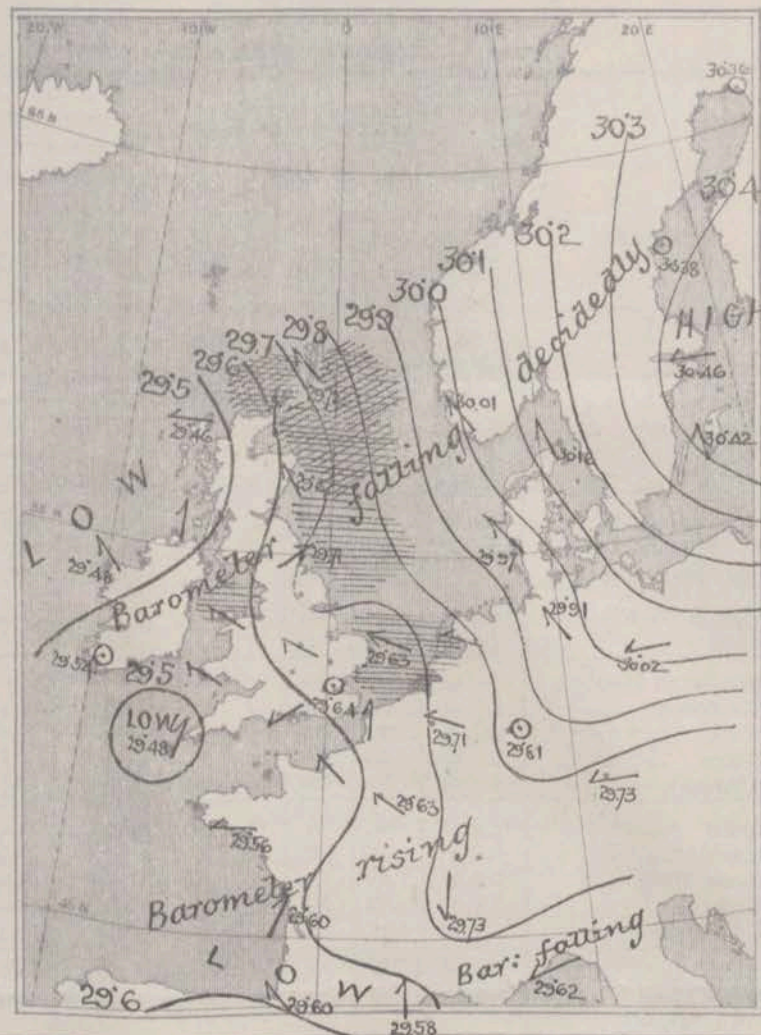
▨ = Rough, ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrossan	29.838
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.992
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Scilly	29.969
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

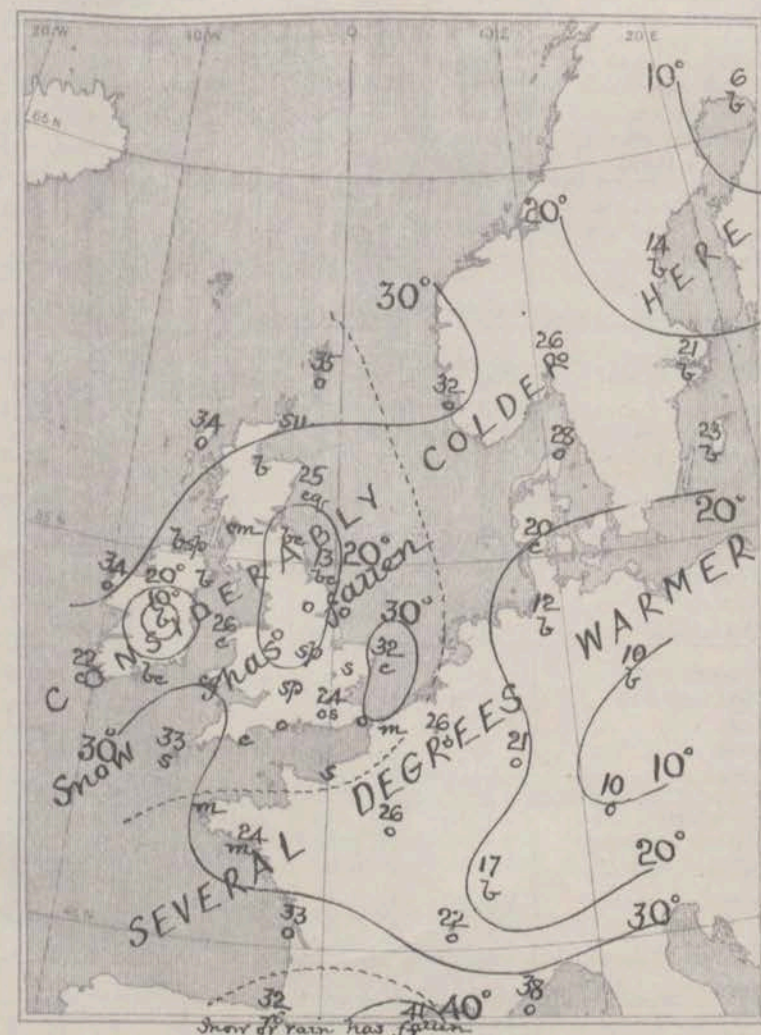
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.90
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.90
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.30
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.69
Roche's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.3	39.6	42.7	41.3	3.75
Scilly	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.05

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in. and upward, over the southern parts of Sweden.

Lowest, 29.5 in. and less, in a large depression lying off our extreme north-west coasts, and also in a smaller system near Sicily.

Gradients slight generally. Barometer rising in France, but falling elsewhere, — most in the north of our Islands.

## TEMPERATURE

Highest, (1) 41° at Perpignan, 39° at Lisbon, and 38° at Nice; (2) 35° at Lumburg, 11°, and 34° at Norway, and Belmullet.

Lowest, (1) 6° at Hafnarvundur and 14° at Hornörsund; (2) 7° at Ramenstown, 12° at York, 13° at Shields, and 17° at Leith; (3) 10° at Baden and Munich, and 12° at Copenhagen.

In the course of the past 24 hours the sheltered thermometer here fallen to a minimum of 5° at Loughborough, 6° at Ramenstown, 10° at York, and 11° at Oxford and Cambridge; at Oxford the thermometer exposed on the grass fell to 2°.

## WIND

S<sup>ly</sup> or SE<sup>ly</sup> over the greater part of Western Europe, but SW<sup>ly</sup> at some of the Irish stations, and variable in the north of England. Calm over the northern parts of Sweden.

Light or moderate in force generally, but fresh or strong in the northeast of Scotland.

## WEATHER

Fine in Ireland and also in Sweden and North Germany, but cloudy or overcast elsewhere, with snow at several of the English stations, as well as at Wick.

Snow fell yesterday in nearly all parts of the United Kingdom, but the amount of water yielded some as is not large.

## SEA

High off the northeast of Scotland and rough or rather so on our north and east coasts generally, as well as at Donaghadee.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is now undergoing an entire change. The wind seems likely to draw more into the S<sup>wd</sup>, and milder weather will probably spread northwards over our Islands.

## FORECASTS

For the 24 hours ending at NOON on 7<sup>th</sup> JANUARY, 1894

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>ly</sup> and SE <sup>ly</sup> winds, strong; unsettled, some snow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Light Variable breezes; unsettled, some snow, temperature rising.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	Variable breezes, finally S <sup>ly</sup> ; dull, misty or foggy, some snow. Becoming milder.
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SE <sup>ly</sup> winds light or moderate; dull, some snow. Becoming milder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	
10	IRELAND SOUTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, moderate, unsettled; some snow, temperature rising.

### WARNINGS

At 10.20 am today to districts 2, 6, 7, 9, and 10. "Lower Cone". Signals are still flying in districts 0 and 1.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.39	35	38	ESE	4	0	2	Valencia ...	29.70	29	26	NE	5	bc	4
Sumburgh Head ...	30.22	36	35	ESE	4	orp	5	Scilly ...	29.54	30	27	E	5	csp	4
Stornoway ...	30.00	34	33	SE	4	c	4	Jersey ...							
Aberdeen ...	30.05	33	31	ESE	8	oggs	8	Hurst Castle ...	29.61	20	20	EHE	5	oms	4
Shields ...	29.85	31	30	E	6	csp	7	Dungeness ...	29.71	20	19	SE	4	0	4
Ardrossan ...	29.87	32	31	EHE	4	bc	2	North Foreland ...	29.74	21	20	SE	5	c	5
Malin Head ...	29.80	33	31	ESE	7	0	4	London (Westminster)	29.93	18	18	ESE	3	0	*
Mullaghmore ...								Yarmouth ...	29.79	23	23	ESE	2	cqsp	6
Belmullet ...	29.81	34	32	E	3	0	*	Rochefort ...	29.65	28	27	SE	4	b	*
Holyhead ...	29.73	24	23	ESE	5	5	4								

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

Weather fine at some of the Irish stations, but cloudy over Great Britain, with snow in nearly all parts of England, as well as in some parts of France and central Spain. Fine and bright over Scandinavia, Denmark, Germany, and the south of Russia, dull at many of the S. E. stations and also over the northern and central parts of Russia. Raining in Algeria. Snow falling during day in nearly all parts of the United Kingdom, but amounts mostly small.

Temperatures risen quickly over Central Russia, and to a less extent over the north of Scotland and the greater part of southern Europe, but fallen elsewhere. Morning readings highest (1) 52° at Oran, 51° at Algiers, 50° at Nemours and 48° at Athens and Patras; (2) 39° at Bodo and 37° Lowest -13° at Kiev, -9° at Kharkov, and -5° at Neufahrwasser and Warsaw; below zero in many of the eastern and southern parts of Germany, below 10° over the Netherlands and Central France, and below 20° over the southern part of England. Remaining below 20° all day at some of our southern stations, but gradual rise of temperature spreading southwards from France at night.

Wind E over the greater part of western and central Europe; strong in force on all our own coasts, with a gale over the Irish Sea and the north of Scotland. Calm in the north of Sweden, but W over the northern and central parts of Russia, and N in the south of that country, as well as at some of the Spanish and Italian stations. Wind subsequently falling moderate over the southern parts of the United Kingdom, but increasing somewhat on our north and northeast coasts.

Barometer highest 30.7 in. and upwards over Western Russia, 30.5 in. and upwards in a large area spreading northwards across Scandinavia. Lowest 29.6 in. in a large shallow depression over the Bay of Biscay and the northern part of Spain; 29.9 in. and less, over northern Russia. Spanish depression subsequently spreading northwards towards our Islands and barometer continuing to fall steadily over the whole Kingdom.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on Sunday 7<sup>th</sup> January,

1894.

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.				
	Ina.	°					Ina.	°	°	°							°	Ina.			
SCANDINAVIA.																					
Haparanda ...	30.23	21	W	2	6	30.14	- .22	16	16	+	10	W	4	6	†	6	27	5	—		
Hernösand ...	30.37	15	Z	0	6	30.28	- .10	17	15	+	3	Z	0	6	†	6	27	10	—		
Stockholm ...	30.33	27	SE	2	6	30.27	- .19	30	29	+	9	ESE	2	0	†	6	30	18	—		
Wisby ...																					
Bodö ...	29.99	32	E	2	6	30.05	- .07	36	33	+	3	SW	6	6	†	6	25	23	—		
Christiansund...	30.04	30	SE	2	6	30.07	+ .01	30	27	+	3	ESE	3	6	3	6	32	27	—		
Skudesnaes ...	30.00	23	SE	4	0	29.99	- .02	33	30	+	1	SE	2	0	2	0	34	32	—		
Christiana Fjord (Farder)	30.17	28	NNE	5	0	30.08	- .16	29	28	+	3	NNE	5	0	1	0	?	26	—		
Skagen (The Seaw)	30.06	30	SE	3	0	30.03	- .13	30	30	+	2	SE	3	5	1	0	30	27	—		
Fanö ...	29.88	24	SE	6	0	29.81	- .16	26	25	+	6	SE	2	6	†	0	26	19	—		
Sumburgh Head	29.70	35	SSE	4	chp	29.72	00	38	37	+	3	SE	4	0	5	h,c	38	34	0.35		
Stornoway ...	29.47	30	SE	7	5	29.55	+ .09	35	34	+	1	SE	5	6	5	5	35	26	0.04		
Wick ...	29.62	25	S	4	6	29.69	+ .11	34	32	+	4	S	3	6	6	6	34	20	0.06		
Nairn ...	29.61	20	Z	0	6	29.66	+ .12	21	20	0	SE	1	6	1	6	6	23	12	—		
Aberdeen ...	29.71	15	W	1	6	29.77	+ .10	14	13	—	11	WNW	2	6	5	6,6	28	11	—		
Leith ...	29.66	18	SE	2	6	29.76	+ .16	21	21	+	4	SW	1	6	†	6	22	13	—		
Shields ...	29.69	24	Z	0	m	29.79	+ .08	20	20	+	7	SW	2	6	†	m	24	13	—		
Spurn Head ...	29.65	30	WNW	2	0	29.84	+ .15	25	24	—	1	SSW	2	6	3	s,om	33	22	0.06		
York ...	29.68	20	NNW	1	0	29.84	+ .12	21	21	+	9	S	1	0	†	0	21	11	—		
Loughborough	29.70	22	E	1	0	29.85	+ .16	25	25	+	5	SE	1	6	†	0	25	20	—		
ARCTIC ISLANDS.																					
Ardrossan ...	29.60	21	NE	3	cm	29.70	+ .14	22	21	—	3	ESE	2	6	2	om	25	18	0.03		
Malin Head ...	29.44	16	S	5	om	29.52	+ .04	32	31	+	9	S	5	6	2	6,om	32	23	—		
Mullaghmore ...																					
Belmullet ...	29.43	34	S	2	f	29.58	+ .10	39	36	+	5	SW	2	0	†	6	39	28	0.20		
Donaghadee ...	29.56	24	W	2	6	29.67	+ .14	33	33	+	11	S	3	6	†	6	34	22	0.06		
Liverpool (Bidston)	29.65	23	SE	4	6	29.80	+ .16	25	23	+	9	SE	4	6	3	6	26	16	—		
Holyhead ...	29.56	29	S	1	6	29.71	?	36	35	+	10	SSE	2	6	1	6	37	21	—		
Parsonstown ...	29.54	12	Z	0	6	29.64	+ .10	20	20	+	13	Z	0	6	†	6	27	7	0.01		
Valencia ...	29.57	32	Z	0	5	29.69	+ .15	35	32	+	13	SE	2	6	†	6	35	20	0.02		
Roche's Point	29.57	24	N	2	6	29.72	+ .21	26	26	+	5	N	2	6	†	6	26	21	—		
Pembroke (St. Ann's Hd.)	29.53	33	SSW	4	s	29.77	+ .26	36	35	+	6	SW	2	6	3	s	39	29	0.16		
Scilly ...	29.55	38	WNW	4	esp	29.78	+ .30	37	34	+	4	Z	0	6	3	esp	38	32	0.36		
Prawle Point ...	29.60	36	S	3	s	29.81	+ .25	28	27	0	SW	1	6	1	s	36	26	—			
Jersey (St. Aubin's)																					
Hurst Castle ...	29.62	31	ENE	2	6	29.83	+ .25	32	30	+	4	N	2	6	2	6	27	26	—		
Dungeness ...	29.65	36	S	3	e	29.82	+ .21	16	16	—	14	N	1	6	1	s	36	15	0.02		
North Foreland	29.71	32	S	2	e	29.85	+ .23	29	28	—	1	NW	1	6	1	s	32	23	0.05		
London ...	29.68	26	SE	1	6	29.91	+ .27	21	20	—	3	Z	0	6	†	6	29	20	0.02		
Oxford ...	29.72	24	NE	1	6	29.87	+ .23	21	21	—	1	Z	0	6	†	6	36	20	—		
Cambridge ...	29.70	18	NW	1	6	29.89	+ .23	21	?	—	1	WNW	1	6	†	6	28	12	0.09		
Yarmouth ...	29.66	31	SW	1	0	29.86	+ .23	20	20	—	12	W	1	6	†	6	33	18	—		
GERMANY & HOLLAND.																					
Cuxhaven ...	29.86	22	SE	4	0	29.86	- .05	22	20	+	10	SSE	2	6	†	6	?	?	—		
Berlin ...	29.91	25	E	1	0	29.88	- .14	20	19	+	10	ESE	3	0	†	6	?	10	—		
Wiesbaden ...						29.84	+ .03	20	18	—	1	E	2	0	†	6	21	18	—		
Munich ...	29.73	19	SW	2	0	29.78	+ .05	18	18	+	8	Z	0	6	†	6	21	10	—		
The Helder ...	29.77	24	ESE	1	6	29.86	+ .08	28	28	+	10	ENE	1	0	†	6	28	18	—		
FRANCE AND BELGIUM.																					
Brussels (5 a.m.)						29.88	+ .17	29	28	+	3	WSW	1	0	†	6	38	27	—		
Cape Gris Nez	29.67	28	S	1	0	29.84	+ .23	28	28	+	4	SE	1	6	†	6	32	24	—		
Paris ...	29.70	32	SSE	1	0	29.88	+ .25	30	29	+	4	N	3	6	†	6	?	?	—		
Brest ...		39	SW	3	f	?	?	35	34	+	9	ESE	2	0	2	f	39	25	—		
Lorient ...	29.65	28	ESE	4	m	29.74	+ .18	30	28	+	6	E	5	6	3	m	32	23	—		
ROEYAL BELGIUM.																					
Rochefort ...	29.28	35	N	1	6	29.78	+ .18	28	28	—	5	ESE	3	0	†	6	41	27	—		
Belfort ...		24	NE	4	6	?	?	14	14	—	3	NE	3	6	†	6	28	12	—		
Lyons ...	29.70	30	N	1	0	29.84	+ .11	24	?	+	2	NE	1	0	†	6	38	23	—		
Nice ...	29.65	37	Z	0	6	29.74	+ .12	37	33	—	1	E	1	0	†	6	46	34	—		
Perpignan ...	29.60	38	NW	3	r	29.73	+ .15	40	37	—	1	NW	3	6	†	6	47	36	0.71		
Biarritz ...	29.65	37	SSW	3	6	29.78	+ .18	38	33	+	6	S	3	0	†	6	41	30	0.16		
PENINSULA.																					
Corunna ...																					
Lisbon ...	29.85	46	W	3	6	29.96	+ .31	42	41	+	3	ENE	2	6	†	6	48	39	0.05		

For Explanation of Codes...

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Sunday, 7<sup>th</sup> January 1894

## 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 5 to 10 —

— forces 5 to 7 — forces 1 to 4

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus—

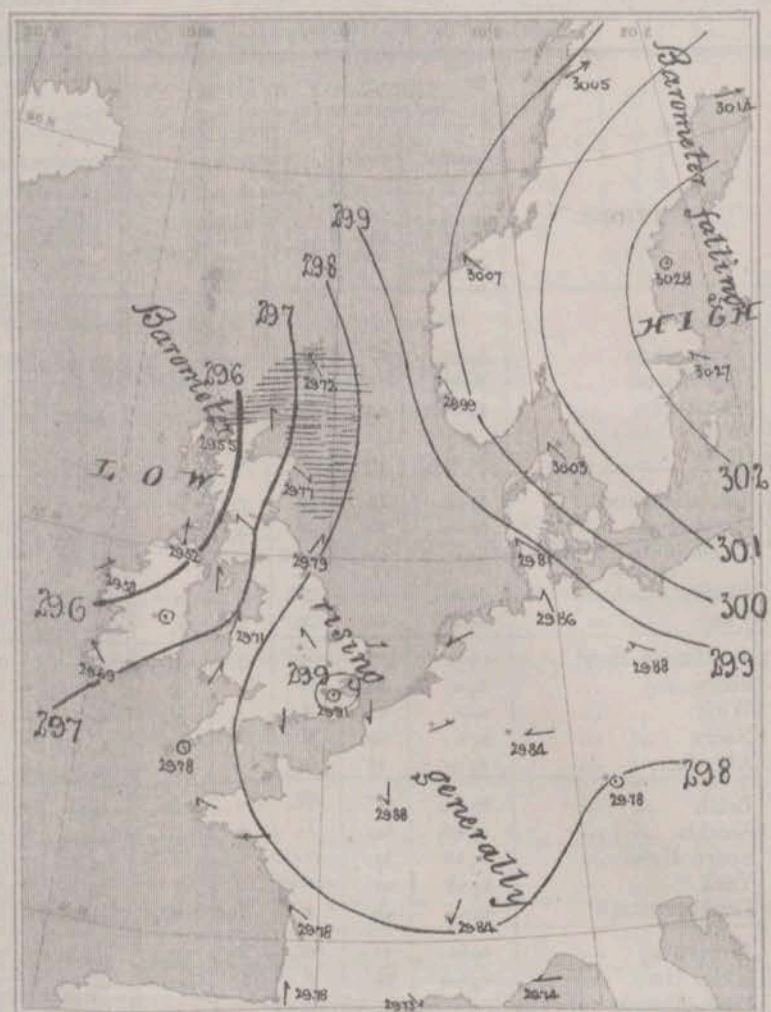
— = Rough — = High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sundburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrossan	29.988
Mullaglumore	29.817
Donaghadee	29.836
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.806
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.969
Prawle Point	30.000
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.000
Oxford	29.990
Cambridge	29.993
Yarmouth	29.979



## 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.

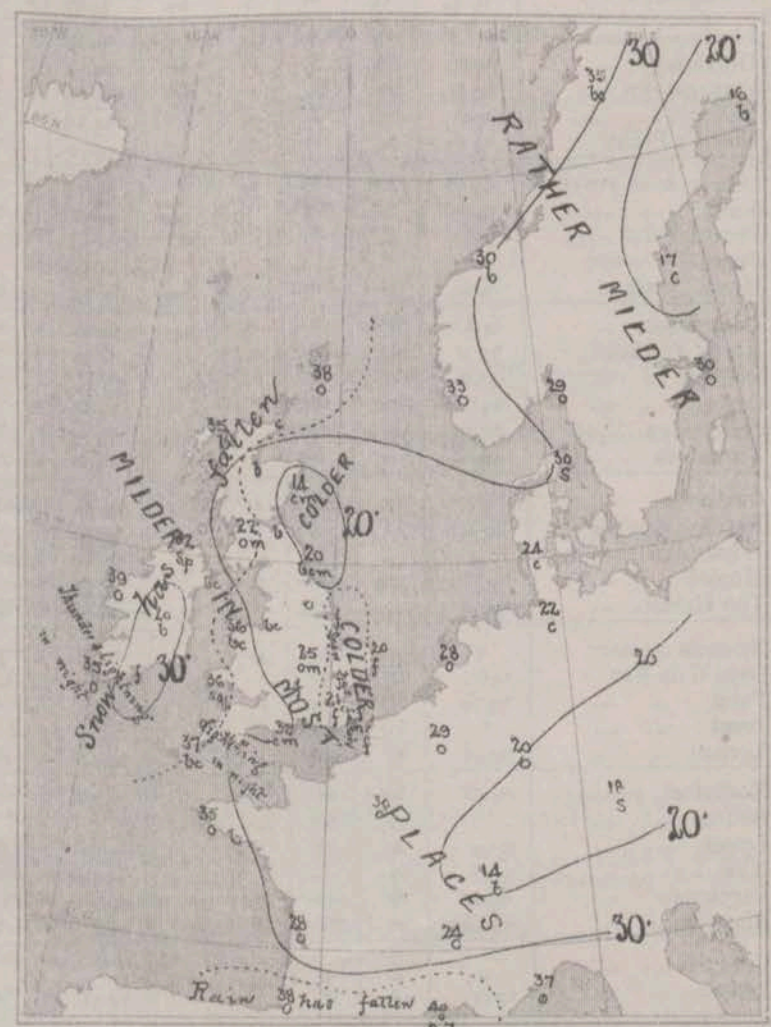
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sundburgh Head	42.9	35.6	39.7	38.4	1.72
Stornoway	43.2	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.15
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaglumore	46.1	38.0	41.6	40.4	4.36
Donaghadee	41.4	36.1	40.6	39.2	2.08
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.09
Roche's Point	47.7	39.5	43.2	41.9	5.60
Pembroke	45.3	39.0	42.7	41.3	3.75
Sally	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.6	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.20
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 35 years 1866-90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins: and upwards in Sweden; 29.9 ins: and upwards over the southern parts of the Iberian Peninsula.

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

Gradients slight. Barometer rising in our Islands and France, but falling in Scandinavia, Denmark, and North Germany.

## TEMPERATURE

Highest, (1) 42° at Lisbon, 40° at Perpignan, and 38° at Biarritz; (2) 39° at Belmullet, 38° at Lumburg 11<sup>th</sup>, and 35° at Bodo and Honnau.

Lowest, (1) 14° at Aberdeen, 16° at Dingy, and 20° at Shields, Bournemouth, and Yarmouth. (2) 16° at Lapaunda and 17° at Hovisand. (3) 14° at Rapaunda and 18° at Munich.

The lowest minima registered over our Islands last night were 11° at Aberdeen and York and 12° at Naun and Cambridge.

## WIND

Light from the S<sup>W</sup> (SE to SW) over the greater part of the United Kingdom, but N<sup>W</sup> or NW<sup>W</sup> in the southeast of England. SE<sup>W</sup> in the west of France and also on the eastern shores of the North Sea, but SW<sup>W</sup> or W<sup>W</sup> in the north of Scandinavia.

Light from N. or NE. over the central parts of France.

## WEATHER

Fine at several of our own eastern and northern stations, as well as over the northern parts of Scandinavia.

Cloudy or overcast in most other parts of Western Europe, with fog in the east and southeast of England.

Snow fell yesterday in many parts of the United Kingdom, and heavy rain at Perpignan; lightning was seen last night at Rapaunda.

## SEA

Light or smooth generally, but rough off the north and northeast of Scotland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

# FORECASTS

For the 24 hours ending at NOON on 8<sup>th</sup> January 1894

## DISTRICTS.

## FORECASTS.

## DISTRICTS.

## FORECASTS.

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

*None issued*

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

*None issued*

## WARNINGS

*None issued*

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.98	30	31	ESE	4	c	3	Valencia ...	29.35	30	27	NE	1	cm	1
Sumburgh Head ...	29.71	30	35	SSE	4	c	6	Scilly ...	29.51	30	35	WNW	4	c	4
Stornoway ...	29.47	30	30	SE	4	s	4	Jersey ...							
Aberdeen ...	29.69	26	24	SSW	2	bc	7	Hurst Castle ...	29.61	29	28	ENE	3	og	3
Shields ...	29.68	21	20	SW	2	m	5	Dungeness ...	29.61	35	34	NNE	2	osp	2
Ardrossan ...	29.60	24	23	NE	4	c	2	North Foreland ...	29.66	32	31	S	3	s	3
Malin Head ...	29.50	24	22	S	3	bc	1	London ...	29.65	29	29	L	0	ofg	*
Mullaghmore ...								Yarmouth ...	29.64	33	32	S	4	os	4
Belmullet ...	29.44	31	31	S	3	os	*	Rochefort ...	29.63	39	37	S	2	m	*
Holyhead ...	29.58	30	31	S	1	bc	1								

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

Weather fine in Ireland, as well as over the greater part of Scandinavia and North Germany. Cloudy or overcast in nearly all other countries, with snow at several of the English stations, and also at Niek, Bilbao, and Liphorn; rain falling in the south of France and also at Barcelona and Brindisi. Snow occurring during day in many parts of Great Britain, and heavy rain in the south of France, as well as at some of the Austrian and Italian stations. Lightning seen at Chavabats at night.

Temperature fallen considerably in the west and north of our Islands, and to less extent in Scandinavia and Finland, but risen elsewhere. Lowest (1) 1° at Neufahrwasser, 2° at Nicolaiff, 3° at Limburg, and 4° at Odessa; (2) 7° at Larvik, 12° at York, 13° at Shields, and 17° at Leth; frost prevalent in all localities excepting the Shetlands, Hebrides, and southern parts of Europe. Rise taking place during day in the south of our Islands, but decided fall in the north; minima in following night as low as 11° at Aberdeen and York, and 12° at Naum and Cambridge.

Wind S<sup>3</sup> or SE<sup>1</sup> over the greater part of Western and Central Europe, but SW<sup>3</sup> at some of the Irish stations, and variable in the north and east of England. Light from the W<sup>2</sup> or NW<sup>2</sup> in Russia; strong from the E<sup>2</sup> or SE<sup>2</sup> in Italy; light or moderate from the SW<sup>2</sup> over Algeria. Subsequently becoming light and variable in most parts of the United Kingdom; light SW<sup>3</sup> breeze setting in on the west coast of France.

Barometer highest 30.6 in: and upwards in a long band stretching from the Black Sea and the south of Russia to the Boche provinces. Lowest 29.5 in: and less (1) in a large shallow area lying to the northward of our Islands, (2) in a small shallow system near Sicily, and (3) in a well defined depression between the coasts of Italy and Corsica. Small disturbances near Sicily subsequently moving northwards and dispersing; Italian depression also partially filling up, and barometer rising in most parts of Western and Southern Europe.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Monday, 8<sup>th</sup> January,

1894.

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETR.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.					
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.	Amount of Rainfall.			
SCANDINAVIA.																				
Haparanda ...	30.22	13	SW	2	b	30.43	+2.9	0	-1	-16	NE	2	b	#	6	28	?	-		
Hernösand ...	30.31	24	2	0	6	30.33	+1.0	28	27	+11	S	2	0	#	6	29	9	-		
Stockholm ...	30.23	30	SE	2	0	30.26	-0.1	31	31	+1	SE	2	0	#	0	32	25	-		
Wisby ...	30.21	30	SE	4	0	30.25		30	29		SE	4	0	#	0	30	19	-		
Bodö ...	30.24	31	2	0	b	30.20	+1.5	32	28	-3	E	4	0	#	2	37	28	-		
Christiansund...	30.06	31	SW	2	b	30.13	+0.6	33	31	+3	ESE	2	S	B	60	33	27	-		
Skudesnaes ...	30.06	34	ESE	4	0	30.13	+1.4	33	32	0	SE	2	0	3	0	34	32	-		
Christiania Fjord (Fjorder)	30.11	31	NNE	5	0	30.19	+1.1	29	28	0	NNE	5	S	1	0	31	27	-		
Skagen (The Scaw)	30.09	30	S	1	0	30.13	+1.0	29	28	-1	ESE	1	0	0	0	32	28	-		
Fanö ...	30.03	27	Z	0	0	30.13	+3.2	27	26	+1	Z	0	0	#	0	27	25	-		
Sumburgh Head	29.83	34	Z	0	0	29.91	+1.9	38	36	0	SW	1	0	4	0	40	32	0.16		
Stornoway ...	29.59	38	SW	6	0	29.77	+2.2	40	39	+5	S	7	60	6	5.0	40	32	0.10		
Wick ...	29.72	36	S	4	0	29.89	+2.0	36	35	+2	S	3	60	4	0	36	25	-		
Nairn ...	29.74	32	S	1	0	29.90	+2.4	34	33	+13	SE	1	6	1	0	36	17	-		
Aberdeen ...	29.57	28	SEW	2	b	30.02	+2.5	29	28	+15	SW	1	0	2	0	31	14	-		
Leith ...	29.87	24	Z	0	m	29.97	+2.1	25	25	+4	Z	0	m	#	0	28	17	-		
Shields ...	29.92	25	SW	2	b	30.06	+2.7	17	17	-3	SW	2	6	4	0	27	14	-		
Spurn Head ...	29.97	26	SW	1	f	30.10	+2.6	25	24	0	S	2	6	3	0	27	20	-		
York ...	29.87	26	S	1	0	30.10	+2.6	22	22	+1	S	1	6	3	0	27	20	-		
Loughborough	30.01	26	W	1	0	30.09	+2.4	22	22	-3	ESE	1	0	#	0	28	20	-		
BRITISH ISLANDS.																				
Ardrossan ...	29.83	40	S	2	b	29.93	+2.3	30	29	+8	NE	2	60	2	0	40	22	-		
Malin Head ...	29.72	33	S	5	b	29.73	+2.1	34	33	+2	SE	5	6	2	0	36	32	-		
Mullaghmore ...																				
Belmullet ...	29.70	37	ESE	3	b	29.61	+0.3	38	36	-1	E	7	0	#	0.60	40	33	0.03		
Donaghadee ...	29.86	31	SEW	3	b	29.87	+2.0	38	37	+5	SE	5	60	3	0	39	32	0.07		
Liverpool (Bidston)	29.94	25	ESE	3	0	29.98	+1.8	25	24	0	ESE	2	0	2	0	30	23	-		
Holyhead ...	29.84	39	S	3	0	29.89	+1.6	31	30	-5	S	1	0	1	0.6	41	31	-		
Parsonstown ...	29.89	31	SE	1	b	29.88	+0.4	37	35	+17	SE	6	0	#	0	37	20	-		
Valencia ...	29.75	41	SE	5	b	29.43	-2.6	43	40	+8	ESE	8	ch	5	h.7.6	44	34	0.24		
Roche's Point	29.82	40	SW	3	b	29.60	-1.2	43	41	+17	SE	8	0	6	f.6	43	26	-		
Pembroke (St. Ann's Hd.)	29.89	40	S	3	0	29.79	+0.2	40	37	+4	SE	7	0	6	0	42	33	0.07		
Seilly ...	29.84	42	ESE	3	0	29.68	-1.0	42	40	+5	SE	7	0	4	0	46	34	0.02		
Prawle Point ...	29.94	37	E	2	0	29.88	+0.7	38	38	+10	SE	5	0	4	0	39	28	-		
Jersey (St. Aubin's)																				
Hurst Castle ...	29.98	35	N	2	bem	29.98	+1.6	38	36	+6	ESE	4	0	2	m.60	39	26	-		
Dungeness ...	29.97	33	Z	0	0	30.07	+2.5	34	32	+18	SE	5	0	4	0.6	38	15	-		
North Foreland	30.04	31	NW	1	f	30.05	+2.3	34	30	+5	SE	4	0	4	f	36	25	-		
London ...	30.01	21	Z	0	f	30.08	+1.7	24	22	+3	NE	1	0	#	0.6	24	18	-		
Oxford ...	30.05	22	E	1	f	30.06	+1.9	23	23	+2	Z	0	0	#	f	26	19	-		
Cambridge ...	30.03	23	NW	1	f	30.11	+2.2	19	19	-2	NW	1	0	#	f	25	15	-		
Yarmouth ...	29.98	20	Z	0	bef	30.09	+2.3	32	31	+12	ESE	4	0	4	bef	32	14	-		
GERMANY & HOLLAND.																				
Cuxhaven ...	29.94	24	SE	1	0	30.21	+3.5	29	27	+7	EHE	1	0	#	0	24	?	-		
Berlin ...	29.99	27	SE	1	0	30.18	+3.0	26	25	+6	SW	2	0	#	0	28	20	-		
Wiesbaden ...						30.16	+2.2	17	17	-3	E	1	0	#	#	24	?	-		
Munich ...	29.92	11	SE	3	f	30.05	+2.7	16	16	-2	E	1	0	#	5	23	10	-		
The Helder ...	30.07	34	NW	1	b	30.21	+3.5	27	26	-1	SEW	1	0	1	60	34	27	-		
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)						30.17	+2.9	27	26	-2	E	1	0	#	0	34	27	-		
Cape Gris Nez	29.96	28	E	1	f	30.04	+2.0	29	28	+1	SE	1	0	1	f	32	23	-		
Paris ...	29.97	32	NNE	2	0	30.09	+2.1	25	25	-5	ESE	2	0	#	0	34	25	-		
Brest ...		36	E	3	b	?	?	36	36	+1	E	5	0	#	0	46	30	-		
Lorient ...	29.86	29	EHE	5	0	29.90	+1.6	33	32	+3	ESE	2	0	2	0	34	28	-		
Rochefort ...	29.91	35	ESE	4	0	30.00	+2.2	36	35	+8	S	3	0	#	0	41	28	0.12		
Belfort ...	?	23	NE	3	b	?	?	19	18	+5	NE	3	0	#	0	37	14	-		
Lyons ...	29.94		N	1	0	30.12	+2.8	23	22	-1	NNE	1	0	#	0	35	23	-		
Nice ...	29.85	36	E	2	f	29.96	+2.2	33	31	-4	E	2	0	3	0	50	32	0.20		
Perpignan ...	29.91	42	NW	3	0	30.06	+3.3	41	37	+1	W	2	0	#	0	46	37	-		
Biarritz ...	29.92	46	NW	5	f	29.98	+2.0	38	33	+5	SE	3	0	#	0	48	34	0.55		
PENINSULA.																				
Corunna ...																				
Lisbon ...	30.04	48	ESE	3	b	30.00	+0.4	52	51	+10	ESE	4	0	#	0	54	42	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Monday, 8<sup>th</sup> Jan<sup>y</sup> 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their heads and feathers refer to force thus—

— forces above 10 — forces 8 to 10 —

— forces 6 to 7 — forces 4 to 5 —

— dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus

— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

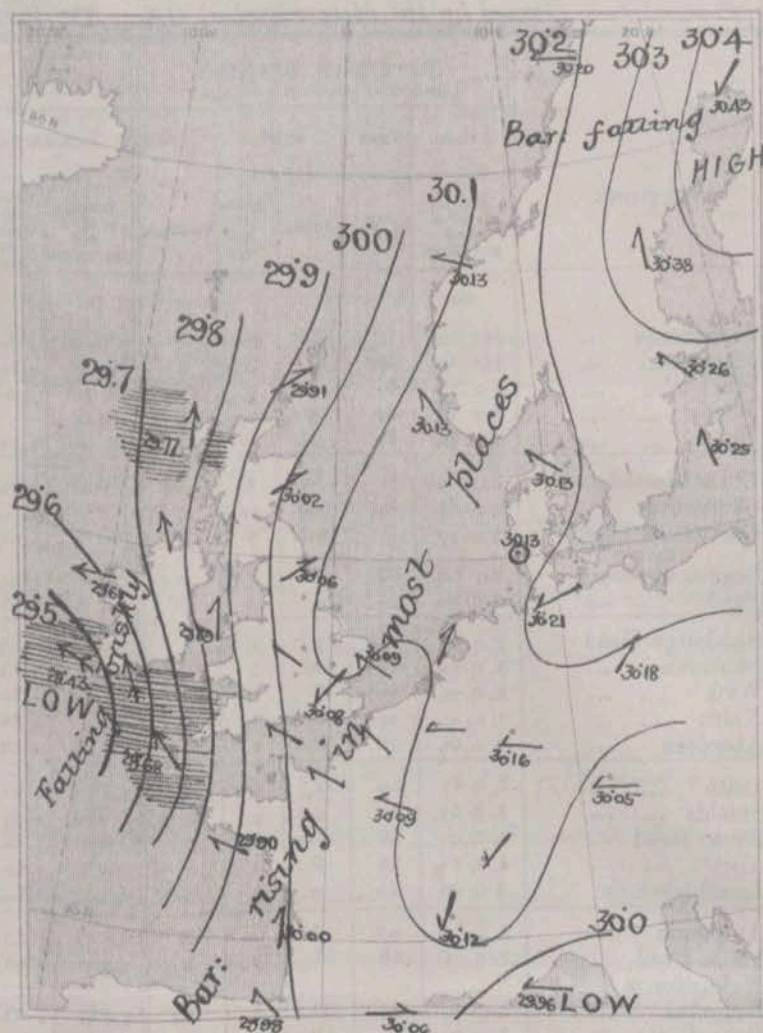
at 8 a.m. for the month of January.

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Samburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Glasgow	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.987
Ardrumhan	29.838
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.935
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.969
Pravle Point	30.006
Jersey	30.022
Hurst Castle	30.062
Dover	30.012
LONDON	30.000
Oxford	29.999
Cambridge	29.993
Yarmouth	29.970



## 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.

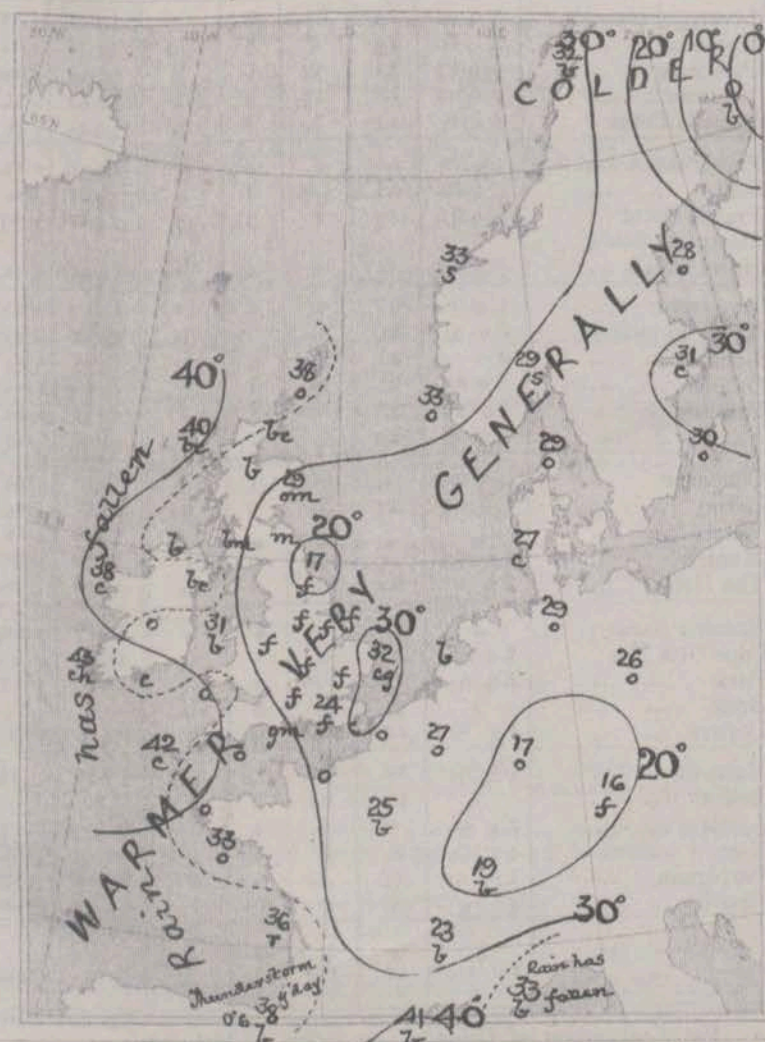
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Day	Night	
Samburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	38.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.5	35.6	1.09
Aberdeen	42.4	33.2	37.3	35.6	2.34
Leith	41.4	33.7	38.6	37.2	1.63
Glasgow	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	38.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.94
Ardrumhan	44.2	38.8	40.0	38.8	4.25
Mullaghmore	46.1	39.0	41.0	40.1	1.30
Donaghadee	41.4	36.1	40.0	38.2	9.06
Holyhead	45.0	38.7	41.7	40.3	3.78
Liverpool	43.5	35.2	38.0	37.0	2.22
Parsonstown	45.6	34.2	39.0	37.8	3.12
Valencia	49.5	40.4	44.5	43.2	6.00
Roche's Point	47.7	39.5	43.2	41.9	5.30
Pembroke	45.5	39.6	42.7	41.3	3.75
Sally	48.8	42.9	46.4	44.9	3.72
Pravle Point	46.2	37.5	42.0	41.0	3.60
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.04
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	35.8	39.6	38.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.20
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.00

**NOTE.**—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-93.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in. and upwards over the Gulf of Bothnia, 30.1 in. and upwards over the whole of Scandinavia, Denmark, the North Sea, Germany, and Central France.  
Lowest, 29.5 in. and less, in a depression approaching the southwest of Ireland.

Gradients moderate in the west and north of our Islands, but slight elsewhere.

Barometer falling in the west, but rising in most other localities.

## TEMPERATURE

Highest, { 52° at Lisbon, 43° at Valencia (Ireland) and Rockport, 42° at Selly, 40° at Bournemouth and Pembroke, and 38° at Lumburg H<sup>t</sup>. Belmullet, Hurst Castle and Killybegs.

Lowest, (1) 0° at Haparanda; (2) 16° at Munich and 17° at Wiesbaden; (3) 17° at Shields, 19° at Cambridge, and 22° at York and Loughborough.  
The maxima registered yesterday were considerably below the freezing point over the northern and central parts of Great Britain.

## WIND

Strong from the SE<sup>th</sup> in the west of our Islands, with a gale in the south of Ireland.

Light from the same quarter or from S. in most other parts of the United Kingdom, and also in Scandinavia and the coast of France.

Variable over Denmark, Germany, the Netherlands, and central France.

## WEATHER

Fine at several of our western and northern stations, but hail reported at Killybegs (Ireland).

Dull in most other parts of Western Europe, with fog over the northern and central parts of England, rain at Rochfort, and mist at Bournemouth and Portland.

In the course of the past 24 hours a little snow has fallen in Ireland and the southwest of England, as well as in the Firth of Clyde and the Hebrides.

A thunderstorm, with heavy rain, occurred yesterday at Killybegs, and lightning was seen at Holyhead.

## SEA

Rough off the south of Ireland, as well as at Bournemouth, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the southwest of Ireland seems likely to spread eastwards and occasion <sup>increasing</sup> SE<sup>th</sup> and S<sup>th</sup> winds over the greater part of the United Kingdom. A further rise of temperature is probable over Great Britain.

## FORECASTS

For the 24 hours ending at NOON on 9<sup>th</sup> January, 1894

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
ft 0 SCOTLAND NORTH	S <sup>th</sup> and SE <sup>th</sup> winds, increasing to a gale; fine to unsettled and some snow.	ft 6 SCOTLAND WEST	Same as N <sup>o</sup> 0 and 1.
ft 1 SCOTLAND EAST		ft 7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as N <sup>o</sup> 5	ft 8 ENGLAND S.W.	SE <sup>th</sup> to S <sup>th</sup> gales and strong winds; squally, some rain or sleet.
3 ENGLAND EAST		ft 9 IRELAND NORTH	
4 MIDLAND COUNTIES		ft 10 IRELAND SOUTH	
5 ENGLAND SOUTH	SE <sup>th</sup> and S <sup>th</sup> winds, freshening; fog clearing and temperature rising. Fair to unsettled with some snow or cold rain.	WARNINGS	At 10.10 am today to districts 0, 1, and 6 to 10 "Horst South Cone"

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.01	34	32	ESE	4	0	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	29.59	34	34	SE	5	5	4	Jersey ...							
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	29.90	35	34	4	1	0	1
Ardrossan ...								North Foreland ...	29.95	30	27	4	1	f	1
Malin Head ...	29.65	35	33	S	5	6	3	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.67	37	37	SE	3	c		Rochefort ...		35	34	ESE	3	6c	
Holyhead ...															

## 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 31<sup>ST</sup> DEC. 1893 TO THE 6<sup>TH</sup> JAN. 1894.

In the course of last week a steady but very decided fall of temperature occurred over the whole of western Europe, severe frost being reported in all parts of the United Kingdom towards the close of the period, with heavy snow in many places. E<sup>ly</sup> gales were experienced on many parts of our coasts on the 4<sup>th</sup> and 5<sup>th</sup> of January.

At the commencement of the week a large anticyclone extended over western Europe from the Atlantic, the wind being light from the W<sup>ly</sup> on our northern coasts, but from the NE<sup>ly</sup> in the south. The weather was distinctly mild for the time of year in Ireland and Scotland, with maximum temperatures ranging between 45° and 50°, but cold over England and especially in our southeastern counties. On the 31<sup>st</sup> Dec. when a large depression moved from northern to central Europe the eastern portion of the anticyclone gave way, but on the following day a new high pressure system appeared over Scandinavia, the system eventually spreading south-westward over the North Sea and the northern parts of our Islands. E<sup>ly</sup> winds now became general and very cold weather extended over us from the Continent, while frequent snow showers occurred in the eastern and southeastern parts of Great Britain.

After the 3<sup>rd</sup> January a large and complex depression began to spread northwards from Spain and the Bay of Biscay, the gradients over our Islands increased and E<sup>ly</sup> gales set in first, on our S<sup>th</sup> and SE<sup>th</sup> coasts and afterwards over nearly the whole Kingdom. Snow now became general and temperature continued to fall, minimum readings below 15° being reported in many parts of England and Ireland between the 4<sup>th</sup> and 6<sup>th</sup> at Loughborough the sheltered thermometer on the night of the 5<sup>th</sup> fell to 5°, and at Parsloes to 6°.

By the close of the week the low pressure system had spread over the entire Kingdom, and while colder weather had set in over Ireland S<sup>ly</sup> breezes and rising temperature were reported in the extreme S<sup>th</sup> and SW<sup>th</sup> parts of our Islands.

#### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 9<sup>TH</sup> JANUARY, 1894.

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.		Force	Weather.	Barometer.		SHADE TEMP.			Wind.		Force	Weather.	Sea	SHADE TEMP.		Amount	
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	(0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	(0 to 12).	(0 to 5).	Max.	Min.	of Rainfall.					
Inch.	°			Inch.	°	°	°	°				°	Inch.							
SCANDINAVIA.																				
Haparanda ...	30.49	20	2	0	0	30.36	-0.07	20	20	+10	NW	2	0	0	0	21	0	—		
Hernösand ...	30.35	20	2	4	0	30.23	-0.11	20	20	+2	S	4	0	0	0	24	23	0.16		
Stockholm ...	30.34	23	SE	2	0	30.25	+0.19	22	22	-7	SW	2	0	0	0	24	24	—		
Wisby ...	30.31	22	SE	4	0	30.44	+0.19	22	22	+2	S	2	0	0	0	24	25	—		
Bodö ...	30.21	26	ENE	2	C	30.13	-0.07	27	24	-5	ENE	4	0	0	0	26	25	—		
Christiansund ...	30.15	23	ESE	2	C	30.17	+0.04	26	25	+3	SW	3	0	0	0	26	26	0.12		
Skudesnaes ...	30.23	26	SE	5	0	30.19	+0.06	25	22	+2	SE	6	0	0	0	26	22	—		
Christiania Fjord (Fjorden)	30.30	27	NW	2	0	30.37	+0.10	29	28	0	2	0	0	0	0	29	27	—		
Skagen (The Scaw)	30.27	24	2	0	0	30.22	+0.10	22	21	+3	SE	2	0	0	0	24	27	—		
Fanö ...	30.28	27	SE	2	0	30.22	+0.10	27	27	0	SE	4	0	0	0	26	25	—		
BRITISH ISLANDS.																				
Sumburgh Head	29.97	28	S	1	C	29.77	-0.14	28	28	+1	SE	6	7	7	bc.c	41	28	0.06		
Stornoway ...	29.72	40	S	6	6	29.45	-0.32	40	40	0	SE	7	7	6	c.b	42	35	0.04		
Wick ...	29.88	28	S	6	6	29.56	-0.33	40	38	+4	S	7	0	0	bc	40	35	—		
Nairn ...	29.82	22	SE	1	6	29.57	-0.33	29	27	+5	SW	1	0	0	0	29	28	—		
Aberdeen ...	29.95	27	SE	4	0	29.71	-0.31	29	28	+10	SE	5	0	0	bc	29	27	0.20		
Leith ...	29.90	27	SE	2	6	29.64	-0.33	27	25	+12	2	0	0	0	0	27	23	—		
Shields ...	29.94	27	SE	2	6	29.74	-0.32	27	24	+10	SE	3	0	0	0	27	23	0.10		
Spurn Head ...	29.96	24	SE	5	0	29.81	-0.25	27	25	+12	SE	5	0	0	0	27	25	—		
York ...	29.96	22	SE	5	0	29.78	-0.32	27	24	+11	SE	1	0	0	0	24	20	0.28		
Loughborough	29.92	21	SE	5	0	29.77	-0.32	25	24	+13	SE	3	0	0	0	26	22	0.02		
Ardrossan ...	29.77	22	ENE	4	0	29.60	-0.33	40	40	+10	E	2	0	0	0	40	29	0.01		
Malin Head ...	29.51	25	SE	6	0	29.46	-0.27	40	38	+6	S	4	0	0	0	40	34	0.02		
Mullaghmore ...	29.33	27	SE	7	0	29.44	-0.17	38	37	0	SE	2	0	0	0	42	35	0.24		
Belmullet ...	29.68	27	SE	7	0	29.53	-0.32	40	35	+7	S	6	0	0	0	45	36	0.18		
Donaghadee ...	29.33	27	SE	7	0	29.44	-0.17	38	37	0	SE	2	0	0	0	42	35	0.24		
Liverpool (Bidston)	29.80	22	SE	6	0	29.68	-0.30	37	36	+12	SE	5	0	0	0	37	25	0.11		
Holyhead ...	29.66	25	SE	5	0	29.58	-0.31	43	43	+12	S	2	0	0	0	44	31	0.10		
Parsonstown ...	29.40	28	SE	8	0	29.32	-0.16	37	37	+1	SE	1	0	0	0	42	35	0.12		
Valencia ...	29.24	46	SE	2	C	29.48	+0.05	46	44	+3	SE	2	0	0	0	47	29	0.33		
Roche's Point	29.40	46	SW	5	0	29.32	-0.08	45	44	+2	S	2	0	0	0	48	38	0.45		
Pembroke (St. Ann's Hd.)	29.57	40	SE	7	0	29.58	-0.21	45	44	+3	SE	5	0	0	0	47	37	0.48		
Scilly ...	29.51	49	S	7	C	29.53	-0.13	43	43	+6	SE	3	0	0	0	50	40	0.28		
Prawle Point ...	29.72	42	SE	6	0	29.65	-0.23	44	44	+6	SE	2	0	0	0	44	38	0.07		
Jersey (St. Aubin's)	29.87	41	SE	5	0	29.76	-0.22	42	41	+4	S	5	0	0	0	43	37	0.44		
Hurst Castle ...	29.87	41	SE	5	0	29.76	-0.22	42	41	+4	S	5	0	0	0	43	37	0.44		
Dungeness ...	29.98	28	SE	6	C	29.83	-0.24	37	35	+3	S	5	0	0	0	38	33	—		
North Foreland	29.82	24	SE	5	0	29.85	-0.23	37	32	+3	SE	4	0	0	0	37	25	—		
London ...	29.96	24	SE	2	0	29.81	-0.27	36	35	+12	SE	2	0	0	0	39	24	—		
Oxford ...	29.88	25	SE	2	0	29.77	-0.29	37	36	+14	SE	2	0	0	0	39	23	0.01		
Cambridge ...	29.98	20	SE	4	0	29.83	-0.28	34	23	+15	SE	2	0	0	0	37	18	0.05		
Yarmouth ...	30.03	23	SE	6	C	29.89	-0.20	37	35	+3	SE	5	0	0	0	37	30	0.09		
GERMANY & HOLLAND.																				
Cuxhaven ...	30.28	24	2	0	0	30.20	-0.01	25	24	-4	SE	2	0	0	0	25	24	—		
Berlin ...	30.29	29	2	0	0	30.26	+0.12	26	25	0	E	2	0	0	0	26	25	—		
Wiesbaden ...	30.16	16	SE	2	0	30.21	+0.05	23	22	+6	E	1	0	0	0	25	17	—		
Munich ...	30.20	26	SE	2	0	30.18	+0.12	27	27	+1	SE	2	0	0	0	28	16	—		
The Helder ...	30.20	26	SE	2	0	30.09	-0.12	22	22	-5	SE	2	0	0	0	26	22	—		
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)	30.22	23	SE	4	0	30.22	-0.15	28	26	+1	SE	5	0	0	0	28	24	—		
Cape Gris Nez	29.98	23	SE	4	0	29.85	-0.19	27	23	+3	SE	4	0	0	0	28	24	—		
Paris ...	30.08	29	SE	2	0	29.97	-0.12	27	26	+2	SE	2	0	0	0	28	25	—		
Brest ...	30.08	29	SE	2	0	29.97	-0.12	27	26	+2	SE	2	0	0	0	28	25	—		
Lorient ...	29.78	46	S	6	0	29.64	-0.26	43	43	+10	SE	5	0	0	0	46	32	0.09		
Rochefort ...	29.54	27	SE	4	0	29.74	-0.26	37	37	+1	SE	5	0	0	0	39	36	—		
Belfort ...	29.54	26	SE	3	0	29.74	-0.26	37	37	+1	SE	5	0	0	0	39	36	—		
Lyons ...	30.15	28	NW	1	0	30.13	+0.01	24	24	+1	SE	1	0	0	0	24	21	—		
Nice ...	30.05	27	E	1	0	30.18	+0.22	27	27	+6	E	1	0	0	0	27	21	—		
Perpignan ...	30.07	27	SE	2	0	30.07	+0.01	27	27	-7	2	0	0	0	0	27	21	—		
Biarritz ...	30.07	27	SE	2	0	30.07	+0.01	27	27	-7	2	0	0	0	0	27	21	—		
PENINSULA.																				
Corunna ...	30.04	27	S	2	0	30.04	+0.04	27	27	+2	S	2	0	0	0	27	22	1.26		
Lisbon ...	30.04	27	S	2	0	30.04	+0.04	27	27	+2	S	2	0	0	0	27	22	1.26		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Tuesday, 9<sup>th</sup> January, 1894

## 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:

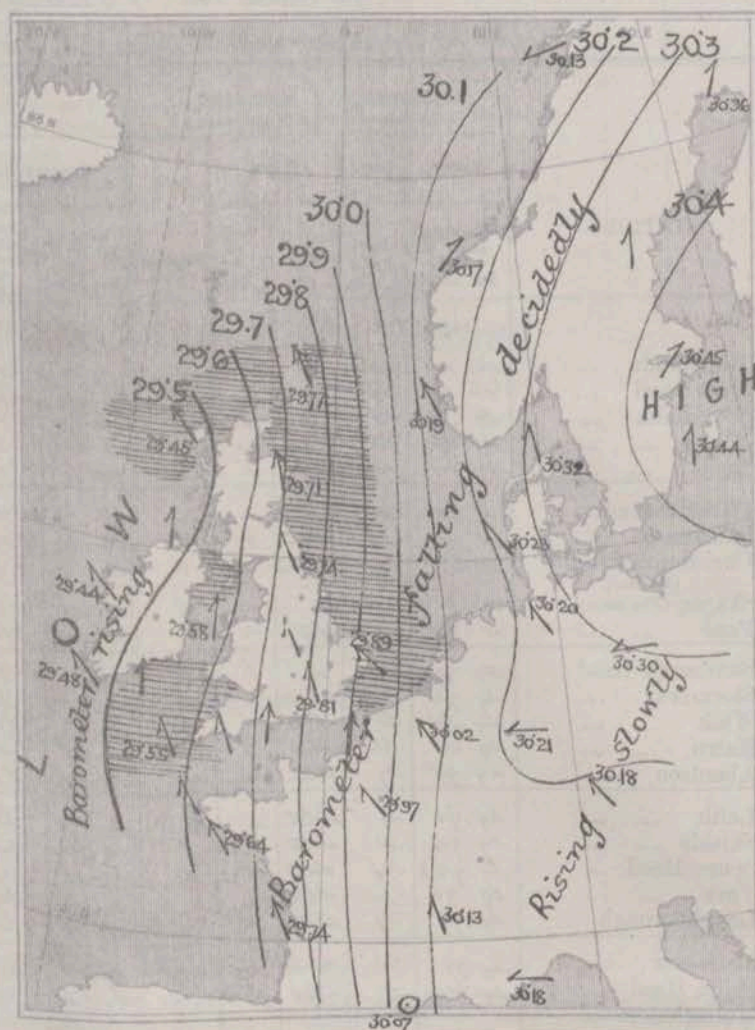
— Rough. — High.

### MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrossan	29.938
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parseltown	29.895
Valencia	29.887
Rocha's Point	29.908
Pembroke	29.936
Seilly	29.909
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

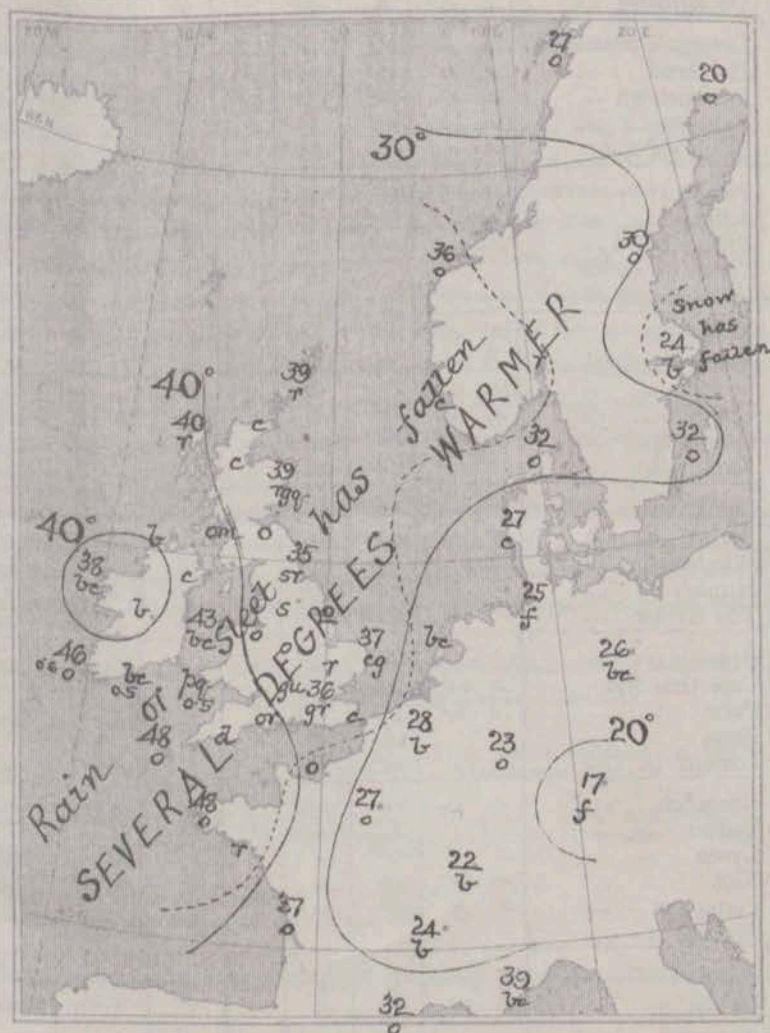
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	42.9	35.0	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	38.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.44
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.36
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parseltown	45.6	34.2	38.0	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.69
Rocha's Point	47.7	39.5	43.2	41.9	5.59
Pembroke	45.5	39.0	42.7	41.3	3.75
Seilly	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.99
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins: and more over the Baltic.

Lowest, 29.5 ins: and less, over the western part of Ireland and adjacent parts of the Atlantic.

Gradients somewhat steep for S winds over Great Britain and the North Sea, slight over Ireland, as well as over Scandinavia and the Baltic.

Barometer ceased falling in Ireland, but the fall continues at the more eastern stations.

## TEMPERATURE

Highest, 48° at Hert and Sully, 45° to 46° in the south of Ireland, 43° at Holyhead.

Lowest, 14° at Munich, 23° at Wiesbaden, 25° at Copenhagen, 34° to 37° over the eastern counties of England.

The thermometer rose to 50° at Sully yesterday, and to 48° at Rochester; at our northern and eastern stations it has not touched 40° yet.

## WIND

SE<sup>1</sup> to S<sup>2</sup> over the whole of our Islands and their neighbourhood—moderate over Ireland and the Bay of Biscay, fresh to strong over the Irish Sea and England, and blowing a moderate gale in Scotland.

Strong gales from S were felt at many of our western stations yesterday.

## WEATHER

Very dull and damp over Great Britain and France, with rain at Lisant, and many of our own stations, wet snow in some places; in Ireland the weather is fair.

Rainfall has been considerable at some of our western stations.

## SEA

Rather high in the north, rough in the west, and somewhat rough on our coasts generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure area in the west is spreading out in an easterly direction, and at present there is no new depression appearing in the west. Some fall of temperature is probable.

## FORECASTS

For the 24 hours ending at NOON on 10<sup>th</sup> JANUARY, 1894

### DISTRICTS.

### FORECASTS.

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

S<sup>2</sup> winds, strong to moderate; rain at times.

SE<sup>1</sup> to S<sup>2</sup> winds, fresh; rainy to fair, changeable.

### DISTRICTS.

### FORECASTS.

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

SE<sup>2</sup> and S<sup>2</sup> winds; weather changeable, some rain.

SE<sup>2</sup> breezes, force uncertain; weather colder, rather changeable.

The SOUTH CONE has been lowered this morning in districts 6 to 10, but is still flying in districts 0 and 1.

### 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.20	35	32	SE	4	c	2	Valencia ...	29.26	42	40	E	7	fm	6
Sumburgh Head	29.96	39	37	SW	1	bc	4	Scilly ...	29.51	45	44	SE	9	fm	6
Stornoway ...	29.79	42	40	S	6	c	6	Jersey ...							
Aberdeen ...	29.90	36	34	SE	3	bc	3	Hurst Castle	29.89	40	39	SE	5	mg	2
Shields ...	30.01	25	25	SW	2	f	3	Dungeness...	29.99	37	36	SE	5	bc	4
Ardrossan ...	29.84	33	33	ENE	2	bc	2	North Foreland...	30.02	38	36	SE	5	o	4
Malin Head ...	29.70	36	35	SE	6	o	3	London ...	29.90	34	32	SE	3	mg	*
Mullaghmore ...								Yarmouth ...	30.06	33	32	SE	5	cg	4
Belmullet ...	29.43	30	30	SE	7	f	*	Rocheport ...	29.97	37	36	SE	4	o	*
Holyhead ...	29.76	35	34	SE	4	cg	3								

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

Weather in morning very variable; still quiet over Eastern, central, and southern Europe, clear in some places, dull in others. Cold and foggy over England, much milder and unsettled in Ireland, raining at Rocheport. Considerable rain at our western stations during day, and the wet mild weather spreading eastwards over Great Britain and France, breaking up the frost, and dispersing the fog.

Temperature rising decidedly in the extreme west, and rain spreading eastwards. Morning readings lowest (1) 19° to 23° over Russia, 15° to 26° over Central Europe, 25° at Paris, 27° at Brussels and the Helder, (2) 17° at Shields, 19° at Cambridge, 22° at York and Loughborough, 24° in London. Rising later to 50° at Lally ~~and~~ to 45° and more in the south of Ireland, and to between 37° and 39° over the eastern and north-eastern counties of England.

Wind anticyclonic in direction and light to moderate in force over the greater part of Continental Europe, SE<sup>3</sup> to S<sup>3</sup> over the United Kingdom, and beginning to blow hard at several of the south-western stations. Gale becoming strong later and spreading northwards, but not extending to our eastern stations.

Barometer highest 30.6 ins: and more to 30.3 ins: over Russia, Poland, Finland, and the Gulf of Bothnia, and exceeding 30.1 ins: over western Germany, the eastern parts of France and England and the North Sea. Lowest 29.5 ins: and less, in a depression off the south-west of Ireland, and below 30.0 ins: over the Adriatic and eastern half of the Mediterranean. Depression in west spreading ("surging") eastwards and moving northwards 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.

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 10<sup>th</sup> January, 1894.

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

Issued by the Meteorological Office, 55, Victoria Street, London. K. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirac.	Force (0 to 12).		Max.
		Inch.	°				Inch.		°	°							°	Inch.	
SCANDINAVIA.	Haparanda ...	30.12	22	?	?	bc	30.23	-13	8	7	-12	13.11	2	6	4	bc	30	?	-
	Hernösand ...	30.34	17	Z	0	b	30.38	+08	16	17	-12	8	2	0	4	6	30	16	-
	Stockholm ...	30.47	28	Z	0	0	30.44	-01	29	25	+5	SE	2	0	4	0	30	21	-
	Wisby ...	30.47	30	S	4	0	30.44	-00	29	28	-3	SSW	4	0	4	0	37	28	-
	Bodö ...	30.11	27	E	2	0	30.10	-03	34	31	+7	E	2	6	1	0	?	23	-
	Christiansund...	30.14	34	ESE	2	c	30.07	-10	33	31	-3	ESE	2	6c	3	c	36	32	-
	Skudesnaes ...	30.18	35	SSE	8	0	30.04	-15	37	34	+2	SE	4	6	4	0	37	34	-
	Christiania Fjord (Farder)	30.34	31	NE	4	0	30.24	-08	33	32	+4	SSE	2	0	1	0	?	28	-
	Skagen (The Seaw)	30.29	33	S	3	0	30.23	-09	31	30	-1	S	3	0	1	0	34	28	-
	Fanö ...	30.15	29	NNE	2	0	30.11	-12	28	27	+1	SE	4	0	4	0	32	27	-
BRITISH ISLANDS.	Sumburgh Head	29.73	40	SE	6	r	29.59	-18	42	41	+3	SE	6	0	7	r	42	39	0.08
	Stornoway ...	29.54	39	SW	7	0	29.16	-29	45	45	+5	SW	7	0	6	0	45	39	0.20
	Wick ...	29.65	40	S	7	bc	29.39	-17	42	42	+2	S	8	0	7	bc	42	38	0.18
	Nairn ...	29.65	40	Z	0	c	29.33	-24	42	40	+3	Z	0	0	1	0	43	34	-
	Aberdeen ...	29.75	38	S	2	bc	29.51	-20	41	40	+2	SE	6	0.99	7	0.9m, bc	42	38	0.19
	Leith ...	29.71	37	SE	1	c	29.40	-24	39	38	+2	SE	3	0	4	0	44	35	0.01
	Shields ...	29.79	36	S	3	m	29.62	-12	38	37	+3	S	4	0	3	0.3m	38	32	0.09
	Spurn Head ...	29.82	37	SSE	3	og	29.76	-05	36	35	+1	SSE	4	0	4	0.9p	39	34	0.02
	York ...	29.81	36	SE	1	0	29.70	-08	36	36	+3	SSE	2	0	4	0	36	32	0.23
	Loughborough	29.82	35	SE	1	0	29.73	-04	39	39	+4	S	4	0.99m	4	0	39	33	0.01
GERMANY & HOLLAND.	Ardrossan ...	29.65	39	E	2	om	29.34	-26	46	46	+6	SSE	4	0m	4	0m	46	37	0.13
	Malin Head ...	29.49	43	S	6	om	29.14	-32	46	44	+6	S	6	0	3	0m, p	47	40	0.10
	Mullaghmore ...	29.30	43	E	4	bc	29.14	-30	49	46	+11	SW	5	0	4	b. bc	49	38	0.28
	Belmullet ...	29.64	43	SSE	5	r	29.34	-21	45	44	+1	SSW	7	0	5	r	46	42	0.25
	Donaghadee ...	29.64	43	SSE	5	r	29.34	-21	45	44	+1	SSW	7	0	5	r	46	42	0.25
	Liverpool (Bidston)	29.74	36	ESE	3	0	29.60	-08	41	41	+4	SE	5	0	3	0	41	35	-
	Holyhead ...	29.64	43	S	1	0	29.46	-12	43	43	+5	S	5	0.99	4	0	43	42	0.04
	Parsonstown ...	29.50	45	SE	4	0	29.32	-20	48	47	+10	S	4	0	4	0.7	51	30	0.05
	Valencia ...	29.32	50	SE	7	og	29.27	-21	50	46	+4	S	6	0.6m	6	0m, og	54	45	0.34
	Roche's Point	29.46	47	S	6	0	29.39	-13	49	47	+4	SSW	6	0	5	0.7	49	45	0.25
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.64	44	SE	4	0	29.58	-00	49	49	+4	SSW	5	0m	7	0	50	42	0.17
	Scilly ...	29.61	50	S	4	0	29.60	+05	51	50	+3	SSW	5	0	5	f, 0	52	48	0.15
	Prawle Point ...	29.74	44	SSE	2	r	29.70	+05	49	49	+5	SW	5	0	4	2	49	39	0.15
	Jersey (St. Aubin's)	29.79	42	SSE	3	0.2m	29.80	+04	46	45	+4	S	6	0.7m	4	0m, 2	46	40	0.80
	Hurst Castle ...	29.79	42	SSE	3	0.2m	29.80	+04	46	45	+4	S	6	0.7m	4	0m, 2	46	40	0.80
	Dungeness ...	29.80	38	S	4	0	29.40	+07	42	42	+5	SW	4	0	3	r, c	42	36	-
	North Foreland	29.88	37	SE	4	0	29.90	+05	39	36	+2	S	4	0.99	3	0	39	27	0.01
	London ...	29.94	36	SE	2	om	29.85	+04	40	40	+4	SSE	4	0.99	4	0.9p, b	40	30	0.45
	Oxford ...	29.82	36	SE	2	0	29.78	+01	42	41	+5	S	4	0.99	4	0	42	35	0.10
	Cambridge ...	29.84	34	ESE	2	r	29.83	-00	36	36	+2	SSE	4	0	4	r	37	30	0.16
PENINSULA.	Yarmouth ...	29.84	37	SSE	5	c	29.87	-02	38	37	+1	SSE	4	0.99m	4	0.99m	38	33	0.01
	Cuxhaven ...	30.14	27	SE	2	0	30.12	-08	24	22	-1	S	2	0	4	0	?	?	-
	Berlin ...	30.25	22	SE	3	6	30.25	-02	21	20	-5	ESE	2	0	4	6	30	18	-
	Wiesbaden ...	?	?	?	?	?	30.23	+02	25	26	+5	E	2	0	4	?	25	23	-
	Munich ...	30.12	20	SE	2	m	30.24	+06	13	13	-4	SE	3	0	4	m	21	12	-
	The Helder ...	30.01	?	ESE	2	f	30.04	-05	29	28	+7	SE	1	0	1	f	29	?	-
	Brussels (9 a.m.)	?	?	?	?	?	30.05	+03	37	37	+9	SSE	3	0	4	0	38	27	-
	Cape Gris Nez	29.82	33	S	1	m	29.91	+06	36	36	+2	S	3	0	3	m	36	32	0.04
	Paris ...	29.86	37	SSE	3	0	30.08	+11	35	35	+8	SSW	2	0	4	0	37	27	-
	Brest ...	?	48	S	3	0	?	?	51	50	+3	S	5	0	5	0	?	46	-
PENINSULA.	Lorient ...	29.81	39	Z	0	0	29.88	+24	31	48	+8	?S	5	0	5	0	48	37	0.43
	Rochefort ...	29.92	47	W	4	c	30.06	+32	40	39	+3	SSW	3	0	4	c	52	36	0.16
	Belfort ...	?	28	NNE	3	S	?	?	30	29	+8	W	3	?	4	S	32	22	-
	Lyons ...	30.13	39	S	3	r	30.21	+08	36	36	+12	SW	1	0	4	r	47	37	0.24
	Nice ...	30.17	41	Z	0	0	30.13	-05	38	37	-1	E	1	0	4	0	50	37	-
	Perpignan ...	30.09	44	NE	2	c	30.21	+14	37	37	+5	W	2	0	4	c	49	32	-
	Biarritz ...	30.01	37	S	3	0	30.01	+21	35	46	+3	S	4	0	4	0	51	30	-
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-
	Lisbon ...	30.06	59	S	3	0	30.08	+04	59	58	+5	S	5	0	4	0	61	52	-

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday, 10<sup>th</sup> Jan 1894

## 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:

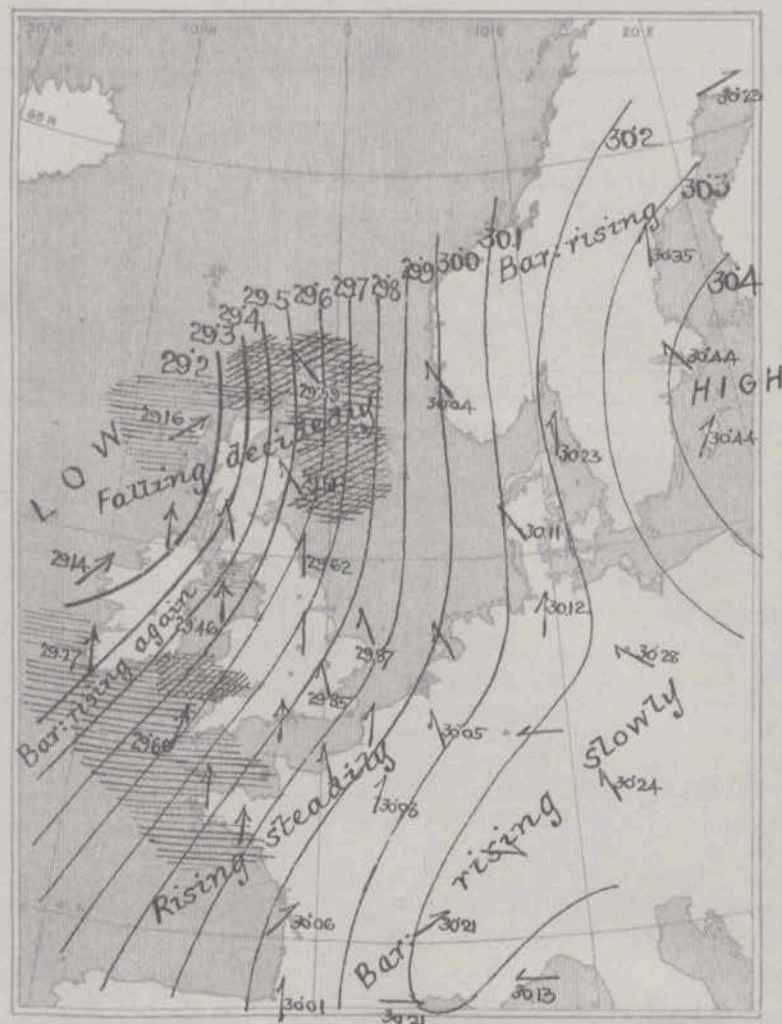
▨ = Rough, ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Samburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.967
Ardrossan	29.838
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.969
Prawle Point	30.000
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.963
Yarmouth	29.979



## 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.

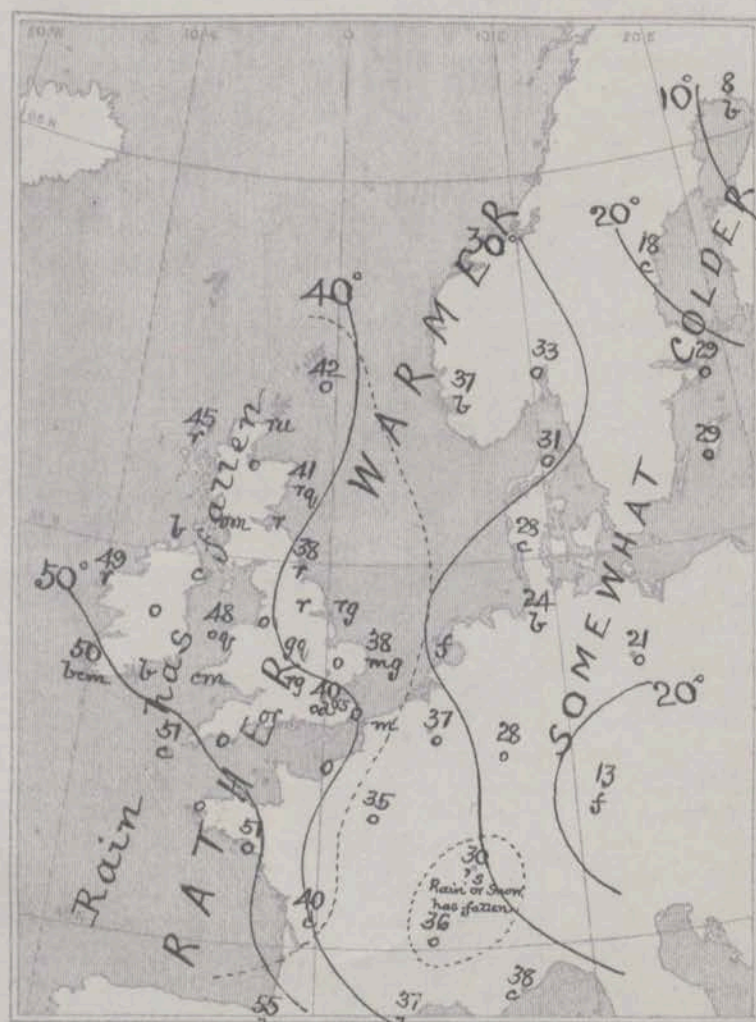
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	42.9	35.6	39.7	38.4	3.72
Stornoway .....	43.3	34.5	39.5	38.4	5.30
Wick .....	42.4	33.3	38.2	36.8	2.05
Nairn .....	42.2	32.9	37.2	35.6	1.90
Aberdeen .....	42.4	33.2	37.3	35.6	2.31
Leith .....	44.4	33.7	38.6	37.2	1.93
Shields .....	43.0	34.2	38.2	36.9	1.75
Spurn Head.....	41.7	34.5	37.7	36.7	1.35
York .....	42.7	32.5	36.7	35.7	1.87
Loughborough .....	43.0	32.3	36.4	35.4	2.04
Ardrossan .....	44.2	36.3	40.0	38.8	4.25
Mullaghmore .....	46.1	28.0	41.6	40.4	4.36
Donaghadee .....	44.4	36.1	40.0	39.2	2.98
Holyhead .....	45.6	38.7	41.7	40.3	3.38
Liverpool .....	43.5	35.2	38.6	37.0	2.22
Parsonstown .....	45.6	34.2	38.9	37.8	3.12
Valencia .....	40.5	40.4	44.5	43.3	6.69
Roche's Point .....	47.7	39.5	43.2	41.9	5.50
Pembroke .....	45.5	39.6	42.7	41.3	3.75
Sally .....	48.8	42.9	46.4	44.9	3.73
Prawle Point .....	46.2	37.6	42.0	41.0	3.09
Jersey .....	45.8	38.3	41.8	40.4	3.21
Hurst Castle .....	45.0	36.3	40.3	39.5	2.94
Dover .....	43.5	35.8	39.2	38.1	2.58
LONDON .....	44.1	33.8	37.6	36.6	2.12
Oxford .....	43.1	33.6	37.1	36.1	2.26
Cambridge .....	43.3	31.7	36.2	35.4	1.54
Yarmouth .....	41.5	33.8	37.5	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in. and more over the Baltic, and exceeding 30.0 in. over the eastern shores of the North Sea and the greater part of France.  
Lowest, 29.2 in. and less, over the northwest of Ireland and west of Scotland, and still lower over the adjacent parts of the Atlantic.  
Gradients steep in the northwest and north, rather so over England.

Barometer rising decidedly in the south of Ireland, and the rise is spreading northwards and eastwards; in Scotland the barometer is still falling.

## TEMPERATURE

Highest, 55° at Bixartz, 51° at Brest and Seilly, 50° at Valencia, and above 45° at our western stations generally.  
Lowest, (1) 8° at Haparanda, 18° at Helsingfors, 25° at Moscow; (2) 13° at Munich, 21° at Berlin, 36° to 38° on our own eastern coasts.  
The changes during the past 24 hours have been very irregular; the rise over England during the night has been considerable.

## WIND

S<sup>3</sup> over our area generally — light at most of the Continental stations, fresh to strong in our Islands.  
A strong S<sup>6</sup> gale was felt over Ireland during the night.

## WEATHER

Very changeable, fair in Ireland and also over parts of Scandinavia; dull squally and rainy over England, and thoroughly unsettled.  
Rain has fallen very generally during the past twenty-four hours, but the largest amounts measured were 0.45 inch in London, 0.43 inch at Lorient, and 0.34 inch at Valencia (Ireland).

## SEA

High in the north, rough in the west and southwest, moderate to slight in most other places.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer is now rising in Ireland the general appearance is very unsettled, and the south cone is left flying at the Irish stations.

# FORECASTS

For the 24 hours ending at NOON on 11<sup>th</sup> January, 1894

## DISTRICTS.

## FORECASTS.

- |   |                  |  |
|---|------------------|--|
| 0 | SCOTLAND NORTH   | { S <sup>2</sup> and SW <sup>2</sup> winds, strong to moderate; squally, changeable, some rain |
| 1 | SCOTLAND EAST    |  |
| 2 | ENGLAND N.E.     | { S <sup>2</sup> and SW <sup>2</sup> winds, moderating; changeable, showery to fair.           |
| 3 | ENGLAND EAST     |  |
| 4 | MIDLAND COUNTIES |  |
| 5 | ENGLAND SOUTH    |  |

## DISTRICTS.

## FORECASTS.

- |    |               |  |
|----|---------------|--|
| 6  | SCOTLAND WEST | { S <sup>2</sup> and SW <sup>2</sup> winds, varying greatly in force; weather changeable and unsettled, rain at times. |
| 7  | ENGLAND N.W.  |  |
| 8  | ENGLAND S.W.  |  |
| 9  | IRELAND NORTH |  |
| 10 | IRELAND SOUTH |  |
|    |               |  |

## WARNINGS

The SOUTH CONE is still flying in districts 9 and 10.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.		THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.16	36	32	SSE	6	o	4	Valencia ...	29.44		52	47	SE	5	cm	4
Sumburgh Head ...	29.73	41	40	SE	6	r	7	Scilly ...	29.59		49	49	S	3	f	5
Stornoway ...	29.53	44	44	SW	7	o	6	Jersey ...								
Aberdeen ...	29.72	38	37	SSE	3	o g m	6	Hurst Castle ...	29.71		42	41	SSE	4	o d m	3
Shields ...	29.75	36	35	SSW	3	o	3	Dungeness ...	29.80		38	37	S	4	r	4
Ardrossan ...	29.63	41	41	E	2	o	2	North Foreland ...	29.82		37	32	SE	4	o	3
Malin Head ...	29.52	43	41	S	3	c	1	London (Westminster) ...	29.79		37	36	SSE	2	o m r	4
Mullaghmore ...								Yarmouth ...	29.84		37	36	SSE	4	c g m	5
Belmullet ...	29.45	43	41	SE	2	b	1	Rochefort ...	29.75		48	47	W	6	r	4
Holyhead ...	29.63	45	44	S	1	o	1									

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

Weather in morning fine and quiet over Russia, several parts of the Mediterranean, and greater part of Ireland, foggy over Central Europe, dull elsewhere, and very rainy over Brittany, England and Scotland; thunderstorm reported at Malta. Rain falling very generally over the British Islands, and west of France later, but amount not large.

Temperature risen decidedly over the United Kingdom. Morning readings 50° or more at Malta, Algiers, and on the Portuguese coast, 48° at Brest and Scilly, and exceeding 40° on our western coasts generally. Lowest -3° at Arkharov, +6° at Odessa, 7° at Hermannstadt and Kiev; below 25° over Russia and the south and east of Germany generally; 27° at Paris and Yano, 28° at Brussels. Changing very irregularly over the western countries later, with a definite tendency to rise.

Wind light and anticyclonic over eastern, southeastern and central Europe; S<sup>3</sup> to SE<sup>3</sup> over western Europe, and blowing strongly at many of the British stations. Increasing to a gale in Ireland later, and freshening on our western coasts generally.

Barometer highest 30.7 in. and upwards in a large anticyclone lying over Russia; 30.2 in. and upwards in another system over Algeria and the south of Spain. Lowest 29.5 in. and less, in a large depression lying to the westward of our Islands; 30.0 in. and less, in a shallow system lying to the southward of Sicily. Depression in west subsequently moving northwards, but new disturbances approaching the southwest of Ireland in evening.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Thursday, 11<sup>th</sup> January, 1894.

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
	Reading at 5 P.M. and Sea Level.	Dry Bulb.	Dew Point.	Force (0 to 12).	Weather.	Reading at 5 P.M. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.				
	Inch.	°					Inch.	°	°	°					°	Inch.				
SCANDINAVIA.																				
Haparanda ...	30.22	27	17.5	4	0	30.09	-14	28	28	+20	SSW	2	0	4	32	5				
Hernösand ...	30.23	29	18	4	0	30.07	-18	26	26	+8	SSW	2	0	4	30	9				
Stockholm ...	30.36	31	SE	2	0	30.35	-0.9	27	26	-2	SW	2	0	4	32	25				
Wisby ...	30.44	28	SE	4	0	30.44	0.0	29	28	0	SSW	4	0	4	37	27				
Bodo ...	29.97	30	E	2	0	29.98	-12	27	26	-7	ESE	2	0	1	34	27				
Christiansund...	29.85	40	ESE	4	0	29.87	-20	40	37	+7	ESE	1	0	3	41	32				
Skudesnaes ...	29.96	40	SSE	8	0	29.93	-11	43	41	+6	SSE	6	0	5	?	37				
Christiania Fjord (Færdar)	30.23	30	SE	5	0	30.20	-0.9	34	34	+1	SSE	5	0	3	?	28				
Skagen (The Scaw)	30.21	32	S	4	0	30.18	-0.5	33	32	+2	SSW	4	0	1	34	30				
Faro ...	30.15	30	SE	6	0	30.14	+0.3	31	31	+3	SE	4	0	4	32	28				
Sumburgh Head	29.47	44	SSW	3	bc	29.44	-15	46	45	+4	ESE	3	0	6	46	42				
Stornoway ...	29.29	47	SW	8	bc	29.27	+11	49	48	+4	SW	6	0	6	51	43				
Wick ...	29.41	42	S	5	0	29.38	-0.1	45	44	+3	S	2	0	5	45	40				
Nairn ...	29.43	45	SW	1	bc	29.37	+0.4	45	43	+3	Z	0	0	1	52	40				
Aberdeen ...	29.57	43	S	4	bc	29.49	-0.2	44	43	+3	S	4	0	6	45	41				
Leith ...	29.59	44	Z	0	bc	29.43	+0.3	50	49	+11	E	1	0	4	53	38				
Shields ...	29.69	42	ESE	4	f	29.61	-0.1	46	44	+8	S	4	0	3	47	36				
Spurn Head ...	29.80	40	SSE	3	ogm	29.76	0.0	41	39	+5	ESE	5	0	4	47	34				
York ...	29.74	44	SSE	1	0	29.70	0.0	46	44	+10	SSE	3	0	4	47	35				
Loughborough	29.78	47	SW	3	0	29.75	+0.2	46	43	+7	SSW	5	0	4	48	39				
BRITISH ISLANDS.																				
Ardrossan ...	29.50	47	SSE	3	0	29.36	+0.2	48	48	+2	SSE	4	0	3	48	45				
Malin Head ...	29.30	47	SSE	5	og	29.29	+1.5	45	44	-1	SSE	2	0	1	51	45				
Mullaghmore ...																				
Belmullet ...	29.19	49	SE	6	0	29.26	+1.2	46	45	-3	SSE	2	0	4	51	45				
Donaghadee ...	29.48	48	S	6	0	29.32	-0.2	50	50	+5	S	8	0	6	50	45				
Liverpool (Bidston)	29.61	48	SE	5	0	29.57	-0.3	50	47	+9	SE	5	0	4	51	41				
Holyhead ...	29.51	50	SSW	4	0	29.43	-0.3	50	49	+2	S	6	0	5	50	42				
Parsonstown ...	29.31	49	SE	4	0	29.33	+0.1	46	45	-2	SE	1	0	5	53	44				
Valencia ...	29.19	53	SSE	6	ogm	29.37	+1.0	45	43	-5	SSE	2	0	4	58	44				
Roche's Point	29.34	50	SSE	8	0	29.42	+0.3	48	46	-1	SW	5	0	5	50	45				
Pembroke (St. Ann's Hd.)	29.48	50	S	7	0	29.58	0.0	50	48	+1	SSW	6	0	7	50	48				
Scilly ...	29.51	53	S	7	0	29.66	+0.6	50	49	-1	SSW	6	0	7	53	49				
Prawle Point ...	29.73	49	SSW	5	0	29.76	+0.6	49	49	0	SW	5	0	4	51	48				
Jersey (St. Aubin's)																				
Hurst Castle ...	29.88	47	SSW	5	0	29.85	+0.5	48	47	+2	SSW	6	0	6	51	44				
Dungeness ...	29.94	46	SSW	4	0	29.93	+0.3	45	43	+3	S	6	0	5	46	41				
North Foreland	29.97	44	S	4	0	29.95	+0.5	43	41	+4	SSE	4	0	3	44	38				
London ...	29.88	47	S	5	0	29.85	0.0	46	43	+6	S	5	0	4	49	40				
Oxford ...	29.82	46	S	2	0	29.80	+0.2	46	44	+4	SSE	3	0	4	48	41				
Cambridge ...	29.88	43	SSE	3	0	29.85	+0.2	43	41	+7	SSE	5	0	4	46	35				
Yarmouth ...	29.90	42	S	4	0	29.91	+0.4	41	40	+3	S	5	0	4	42	36				
GERMANY & HOLLAND.																				
Cuxhaven ...	30.20	31	SSE	2	0	30.26	+1.4	34	32	+10	S	2	0	4	?	?				
Berlin ...	30.36	20	SE	3	0	30.41	+1.3	20	20	-1	SE	3	0	4	25	19				
Wiesbaden ...						30.32	+0.9	26	25	-2	E	1	0	4	32	25				
Munich ...	30.33	12	SE	4	0	30.34	+1.0	15	15	+2	E	3	0	4	21	12				
The Helder ...	30.09	37	S	3	0	30.14	+1.0	35	34	+6	ESE	3	0	2	37	28				
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)						30.12	+0.7	39	37	+2	SSE	6	0	4	40	36				
Cape Gris Nez	29.93	46	S	5	0	29.93	+0.2	44	42	+8	S	5	0	4	46	36				
Paris ...	30.13	42	SSE	2	0	30.07	-0.1	36	35	+1	SE	2	0	4	42	35				
Brest ...		53	S	5	0	?	?	51	51	0	SW	5	0	6	54	50				
Lorient ...	29.86	49	SSE	5	0	29.89	+0.1	51	49	0	SSW	5	0	6	52	46				
ROCHEFORT.																				
Belfort ...	30.01	46	SSE	4	0	30.01	-0.5	42	41	+2	SSE	5	0	4	50	39				
Lyons ...	?	28	H	2	m	?	?	30	28	0	H	3	0	4	?	23				
Nice ...	30.24	39	SW	1	0	30.23	+0.2	31	31	-5	SE	1	0	4	47	30				
Perpignan ...	30.25	42	Z	0	0	30.27	+1.4	39	36	+1	E	1	0	4	50	36				
Biarritz ...	30.19	46	SE	1	0	30.23	+0.2	45	44	+8	H	2	0	4	51	37				
PENINSULA.																				
Corunna ...	30.02	58	S	4	0	30.01	0.0	59	50	+4	S	4	0	4	64	54				
Lisbon ...	30.04	60	S	5	0	29.97	-11	59	59	0	S	6	0	4	63	59				

For Explanation of Columns see bottom of last page.

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Thursday, 11<sup>th</sup> Jan: 1894

## 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:

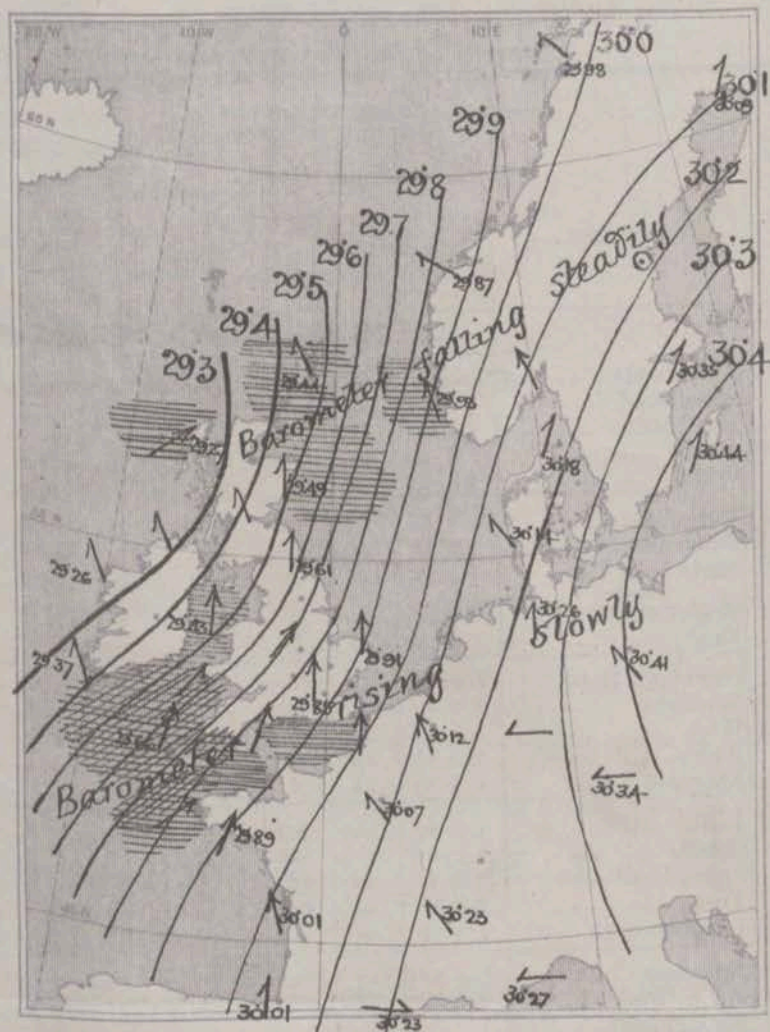
▨ = Rough. ▩ = High.

### MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.820
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.967
Ardrossan	29.838
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.962
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Rocha's Point	29.908
Pembroke	29.936
Scilly	29.960
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

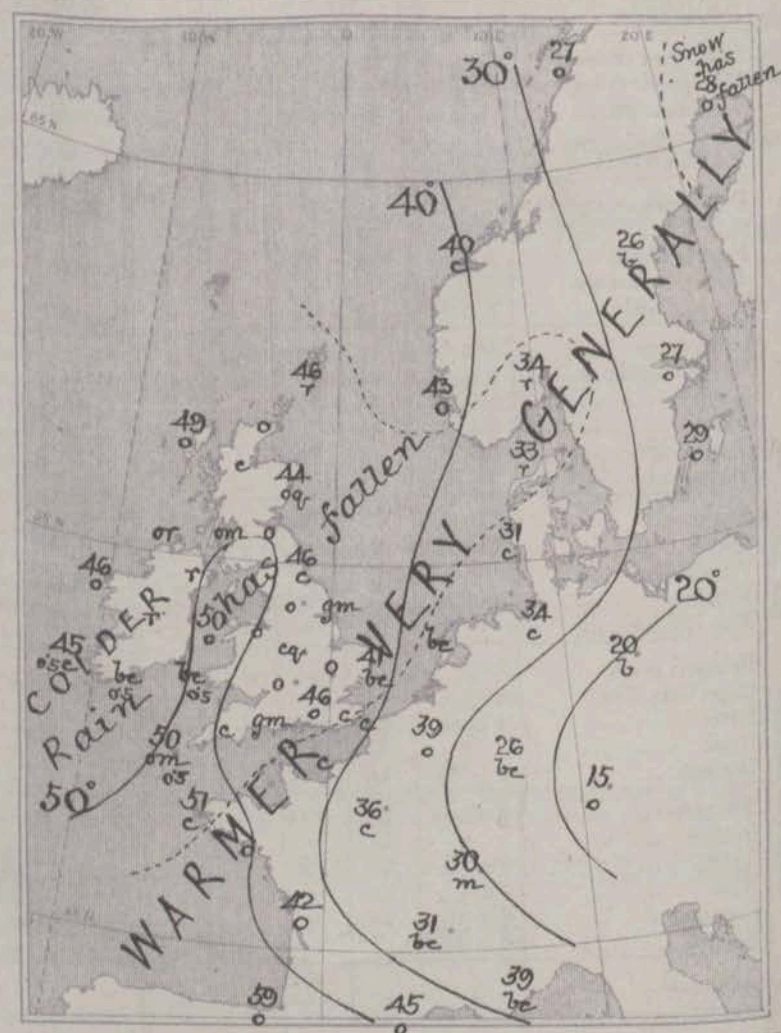
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of January.)

STATIONS.	TEMPERATURE				RAINFALL (inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.90
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.1	4.36
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.69
Rocha's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.3	3.75
Scilly	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins: and more, over the Baltic and Germany, and about 30.0 ins: over the eastern shores of the North Sea and the greater part of France.

Lowest, 19.3 ins: and less, over the northwest of Ireland and west of Scotland.

Gradients sharp over our Islands.

Barometer rising over Ireland and England, falling in the far north. The changes in movement occur frequently and suddenly.

## TEMPERATURE

Highest, 59° at Biarritz, 51° at Brest, 50° at Lilly, Holyhead, Liverpool, and Faith.

Lewert, (1)  $15^{\circ}$  at Munich,  $20^{\circ}$  at Berlin,  $26^{\circ}$  at Wiesbaden (2)  $26^{\circ}$  to  $29^{\circ}$  at the Lundish stations.

The maxima registered during yesterday exceeded  $50^{\circ}$  at all our western stations, and touched  $53^{\circ}$  at Lith and  $51^{\circ}$  at Kauri.

## WIND

Still S<sup>3</sup> over our Islands and their neighbourhood, and blowing a fresh to strong breeze in most places.

On the Continent it is moderate in force, and at the German stations it is  $SE^3$  to  $E^3$  in direction.

A S<sup>2</sup> gale has been experienced on our western coasts during the night.

WEATHER

Fair on the Continent, changeable and squally in our Islands, with rain at times, but some bright intervals. The rainfall has been considerable on our southwestern coast, slight elsewhere.

## SEA

High off our southwestern coasts, and rough in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The pressure-distribution over our Islands and Western Europe is of a very unsettled type, and mild changeable weather is likely to continue, with liability to southerly gales in the west.

## FORECASTS

For the 24 hours ending at NOON on 12<sup>th</sup> January, 1894

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
1	0 SCOTLAND NORTH	S <sup>1</sup> <sub>2</sub> breezes; very mild, a little rain at times, bright intervals.	1	6 SCOTLAND WEST	S <sup>1</sup> <sub>2</sub> winds, moderating at first; some showers.
	1 SCOTLAND EAST				
	2 ENGLAND N.E.				
	3 ENGLAND EAST				
	4 MIDLAND COUNTIES				
5	5 ENGLAND SOUTH	S <sup>1</sup> <sub>2</sub> and S W <sup>1</sup> <sub>2</sub> winds, fresh or strong; some showers, then finer.	1	8 ENGLAND S.W.	S <sup>1</sup> <sub>2</sub> and S E <sup>1</sup> <sub>2</sub> winds, force very variable; changeable, some rain occasionally.
			WARNINGS		The <u>SOUTH COLE</u> has been lowered again this morning except on our western coasts.



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.95	34	35	SS E	8	0	4	Valencia ...	29.30	52	53	SE	5	0 q m	5
Samburgh Head ...	29.41	42	42	SS E	7	7	7	Scilly ...	29.54	53	52	S	6	0	5
Stornoway ...	29.21	49	48	SW	8	0	6	Jersey ...							
Aberdeen ...	29.52	43	42	S	4	c q	7	Hurst Castle ...	29.83	48	46	SS W	6	c m	5
Shields ...	29.62	42	41	S	4	c	3	Dungeness ...	29.91	46	45	SW	4	c	3
Ardrossan ...	29.47	43	42	SS E	4	6	3	North Foreland ...	29.92	43	41	S	5	0	3
Malin Head ...	29.28	49	45	S	7	6 c	3	London (Westminster) ...	29.87	49	47	SS E	3	0 m	7
Mullaghmore ...								Yarmouth ...	29.87	41	40	S	4	0 d	4
Belmullet ...	29.26	49	46	SS E	7	0		Rochefort ...	30.03	48	45	S	4	c	
Holyhead ...	29.56	49	49	SS W	4	0 q									

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

Weather in morning still very quiet over Russia and Central Europe, as well as over the southern parts of France and Spain; changeable and unsettled over the British Islands, the North Sea, and Denmark, rather so over Greece. Rain during the day over the British Islands and North Sea generally, and amounts considerable at our western and southern stations.

Temperature showing further increase in the west, and a decrease in the east. Morning readings lowest 55° to 56° over Central Russia and Hungary, 12° at Riga and Memel, 13° at Breslau and Munich; (2) 8° at Haparanda, 18° at Helsingfors, 23° at Stockholm. Highest 59° at Fribourg, 55° at Biarritz and above 50° at the Algerian stations, at Brest, Scilly, and Valencia (Ireland). Rising later to above 50° at several of our western and northern stations, and touching 49° in London.

Winds (1) S<sup>3</sup> all over the British Islands and France, SE<sup>3</sup> on the eastern shores of the North Sea, and strong and squally in most places; (2) light and anticyclonic over eastern and central Europe; (3) E<sup>3</sup> to N<sup>3</sup> over southern Europe and the Mediterranean, and blowing a gale from NE. at Athens. Strong S<sup>3</sup> winds or gales felt in many parts of our islands later, and spreading to the west of Norway.

Barometer highest 30.7 in. and more to 30.4 in. over Russia, Poland, eastern Germany, and the Baltic, and exceeding 30.0 in. at nearly all the Continental stations. Lowest 29.2 in. and less, in the extreme northwest of Ireland and west of Scotland—gradient being rather steep over the British Isles and North Sea. Falling somewhat in the west later and gradient becoming steep over the Bay of Biscay as well as the United Kingdom.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Friday 12<sup>th</sup> January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. H. A. SCOTT, Secretary.																				
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 2).	Shade Temp.		Amount of Rainfall.			
				Reading at 32° F. and Sea Level.	Dry Bulb.		Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.		Direc.	Force (0 to 12).		Weather.	Max.	Min.
		Inch.	°				Inch.		°	°	°					°		104.		
SCANDINAVIA.	Haparanda ...	30.18	24	NN	2	b	30.12	+ .03	22	22	-	6	NW	2	o	#	b	30	22	-
	Hernösand ...	30.15	26	L	0	o	30.09	+ .02	23	22	-	3	L	0	b	#	o	34	18	-
	Stockholm ...	30.36	31	L	0	o	30.34	- .01	33	32	+	6	SW	2	o	#	o	33	25	-
	Wibby ...	30.44	32	SW	4	c	30.42	- .02	33	32	+	4	SSW	2	be	#	c	39	27	-
	Bodö ...	29.95	27	E	4	o	29.81	- .17	35	34	+	8	E	6	r	#	o	?	23	0.35
SCANDINAVIA.	Christiansund...	29.71	45	SE	3	c	30.04	+ .17	43	41	+	3	SSW	1	b	4	c	45	37	-
	Skudesnaes ...	30.00	45	SSE	10	o	30.02	+ .09	41	41	-	2	SSE	2	be	5	o	46	39	-
	Christiania Fjord (Furder)	30.23	36	SSE	4	m	30.27	+ .07	35	34	+	1	SSE	2	m	3	m	36	34	-
	Skagen (The Scaw)	30.22	35	S	4	be	30.24	+ .06	35	33	+	2	S	3	m	1	be	36	32	-
	Fanö ...	30.16	33	SSE	4	c	30.13	- .01	31	29		0	SE	4	c	#	c	36	30	-
SCOTLAND.	Sumburgh Head	29.36	47	SSE	4	o	29.63	+ .19	44	44	-	2	SE	5	o	6	r, o	47	41	0.09
	Stornoway ...	29.41	45	S	3	o	29.30	+ .03	48	47	-	1	S	5	o	5	r, o	49	41	0.08
	Wick ...	29.35	42	S	4	b	29.47	+ .09	44	44	-	1	S	5	orw	6	b	48	40	0.23
	Nairn ...	29.55	40	SW	1	b	29.43	+ .06	50	45	+	5	WSW	4	c	2	b	55	36	-
	Aberdeen ...	29.67	43	SSW	3	b	29.59	+ .10	43	42	-	1	SSE	4	orgg	5	r, c, g, b	48	41	0.21
SCOTLAND.	Leith ...	29.65	46	SSW	2	b	29.55	+ .12	49	46	-	1	S	2	omv	#	b	53	40	0.04
	Shields ...	29.77	48	SSW	3	be	29.72	+ .11	42	41	-	4	SW	3	m	2	b, be	53	39	-
	Spurn Head ...	29.85	39	SSE	3	b	29.81	+ .05	40	39	-	1	SSE	3	o	3	b, p	45	37	0.02
	York ...	29.83	47	SSE	1	b	29.80	+ .10	44	43	-	2	SSE	1	c	#	b	52	40	0.08
	Loughborough	29.86	45	SE	2	c	29.81	+ .06	46	45		0	SSE	2	omv	#	c	57	40	0.06
BRITISH ISLANDS.	Ardrossan ...	29.64	46	ENE	1	om	29.55	+ .19	47	45	-	1	SSE	5	be	4	c, omv	49	43	0.23
	Malin Head ...	29.50	44	SSE	5	o	29.29	.00	46	44	+	1	SSW	7	og	4	r, b, o	46	41	0.23
	Mullaghmore ...																			
	Belmullet ...	29.40	46	S	5	o	29.43	+ .17	46	45		0	SW	5	be	#	be, o	48	44	0.03
	Donaghadee ...	29.63	46	S	4	be	29.58	+ .26	44	43	-	6	SSE	6	be	4	be	51	43	0.30
BRITISH ISLANDS.	Liverpool (Bidston)	29.78	48	SE	3	be	29.74	+ .17	47	44	-	3	SW	3	be	3	be	53	44	0.05
	Holyhead ...	29.65	46	SSW	4	om	29.69	+ .26	46	46	-	4	SW	3	be	2	omv	50	45	0.16
	Parsonstown ...	29.40	48	SE	4	o	29.60	+ .27	42	40	-	4	SE	2	o	#	o	49	42	0.14
	Valencia ...	29.22	52	ESE	8	orgw	29.60	+ .23	46	43	+	1	S	4	c	6	omv, orgw	52	45	0.26
	Roche's Point	29.38	47	SE	8	r	29.65	+ .26	48	46		0	SW	5	be	5	o, p	48	45	0.55
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.60	48	SE	5	c	29.79	+ .21	48	46	-	2	SW	5	by	6	c	50	46	0.61
	Scilly ...	29.51	50	SE	7	r	29.84	+ .18	50	50		0	SSW	6	be	6	omv, r	53	48	0.40
	Prawle Point ...	29.73	47	SSE	4	o	29.93	+ .17	47	47	-	2	WSW	4	b	4	o, p	52	45	0.08
	Jersey (St. Aubin's)																			
	Hurst Castle ...	29.84	48	S	4	be	29.96	+ .11	44	44	-	4	WSW	5	be	5	be, be	53	43	0.15
BRITISH ISLANDS.	Dungeness ...	29.92	44	S	4	be	29.95	+ .02	46	45	+	1	SW	4	cp	4	o, be	47	42	0.04
	North Foreland	29.95	43	S	3	b	29.97	+ .02	46	45	+	3	SW	2	og	1	b	47	40	-
	London ...	29.89	44	S	2	b	29.92	+ .07	47	45	+	1	SSW	2	o	#	c, b, or	53	40	0.12
	Oxford ...	29.82	44	S	2	b	29.88	+ .08	45	44	-	1	SW	3	b	#	o, b, r	54	44	0.12
	Cambridge ...	29.89	42	SSE	3	b	29.89	+ .04	43	43		0	S	4	be	#	b	52	36	0.08
BRITISH ISLANDS.	Yarmouth ...	29.93	39	S	3	be	29.91	.00	43	42	+	2	S	3	be	4	be	43	36	0.01
	Cuxhaven ...	30.27	28	SSE	2	c	30.16	- .10	29	27	-	5	SSE	2	b	#	c	34	26	-
	Berlin ...	30.40	25	SE	3	b	30.33	- .08	19	19	-	1	SE	3	b	#	b	28	18	-
	Wiesbaden ...	#	#	#	#	#	30.25	- .07	18	17	-	8	NE	2	o	#	#	27	18	-
	Munich ...	30.27	18	L	0	o	30.26	- .08	4	4	-	11	SW	3	m	#	o	19	4	-
GERMANY & HOLLAND.	The Helder ...	30.10	34	SE	1	b	30.03	- .11	31	30	-	4	S	2	b	2	b	39	30	-
	Brussels (9 a.m.)	#	#	#	#	#	30.09	- .03	40	38	+	1	SSW	3	r	#	c	47	35	-
	Cape Gris Nez	29.93	41	S	2	be	29.94	+ .01	43	43	-	1	SSW	5	o	4	be	48	36	-
	Paris ...	30.02	41	SE	1	b	30.12	+ .05	42	41	+	6	SSW	2	o	#	b	48	36	0.08
	Brest ...	?	49	SSE	4	r	?	?	49	48	-	2	SW	3	b	5	r	54	43	0.13
GERMANY & HOLLAND.	Lorient ...	29.77	46	SE	5	o	30.06	+ .17	48	44	-	3	SSW	5	b	6	o	54	43	-
	Rochefort ...	29.95	45	SSE	3	c	30.20	+ .19	47	46	+	5	W	3	b	#	c	50	39	0.16
	Belfort ...																			
	Lyons ...	30.15	43	S	2	b	30.33	+ .10	40	37	+	9	SW	1	o	#	b, r	48	31	-
	Nice ...	30.28	42	L	0	b	30.33	+ .06	38	34	+	1	E	1	c	2	b	50	36	-
FRANCE AND BELGIUM.	Perpignan ...	30.17	49	SE	2	o	30.28	+ .05	49	49	+	4	E	2	r	#	o	54	45	-
	Biarritz ...	29.98	62	SSE	4	o	30.25	+ .24	51	48	-	8	ENE	2	c	3	o	66	48	-
	Corunna ...		#	#	#	#														
	Lisbon ...	30.23	56	WSW	3	b	30.26	+ .29	50	48	-	9	E	4	f	#	b	61	48	0.08

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Friday, 12<sup>th</sup> Jan<sup>y</sup> 1894

## 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

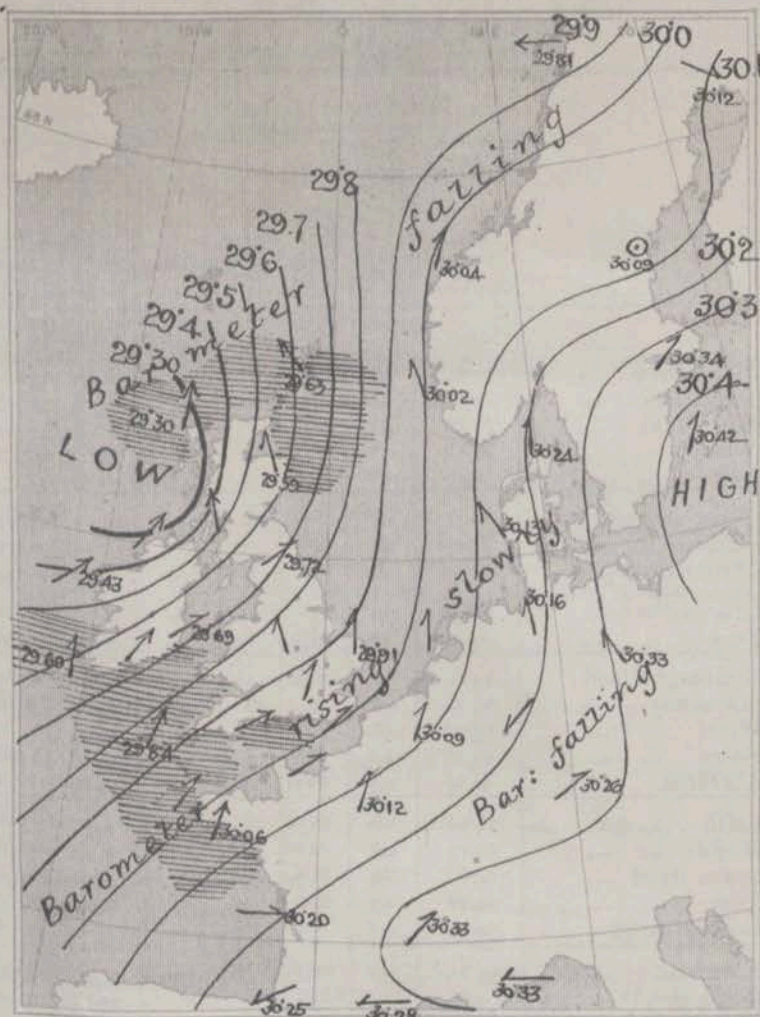
at 8.0 a.m. for the month of January.

During the 20 Years 1871—1890.

### \* STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Samburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.743
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.967
Ardrossan	29.858
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.862
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.969
Pravle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.963
Yarmouth	29.979



## 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.

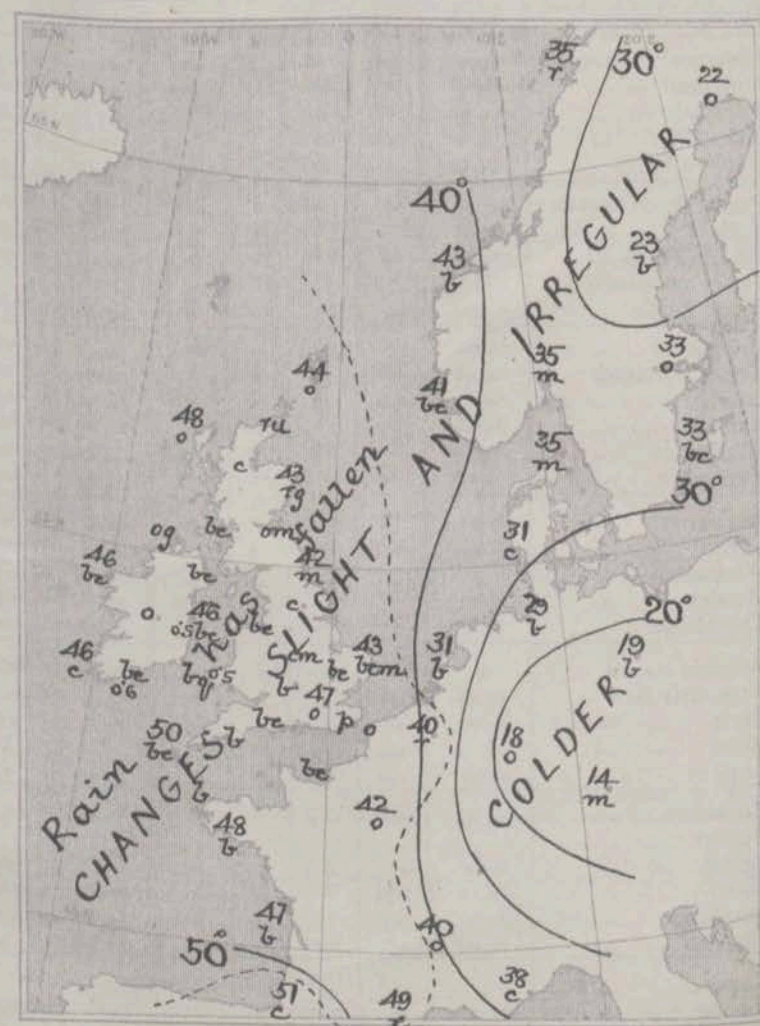
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Samburgh Head.....	42.9	35.6	39.7	38.4	3.72
Stornoway.....	43.3	34.5	39.5	38.4	5.30
Wick.....	42.4	33.3	38.2	36.8	2.05
Nairn.....	42.2	32.9	37.2	35.6	1.99
Aberdeen.....	42.4	33.2	37.3	35.6	2.31
Leith.....	44.4	33.7	38.6	37.2	1.03
Shields.....	43.0	34.2	38.2	36.9	1.75
Spurn Head.....	41.7	31.5	37.7	36.7	1.35
York.....	42.7	32.5	38.7	35.7	1.87
Loughborough.....	43.0	32.3	38.4	35.4	2.04
Ardrossan.....	44.2	36.3	40.0	38.8	4.25
Mullaghmore.....	46.1	39.0	41.6	40.1	4.36
Donaghadee.....	44.4	36.1	40.0	39.2	2.98
Holyhead.....	45.6	38.7	41.7	40.3	3.38
Liverpool.....	43.5	35.2	38.0	37.0	2.22
Parsonstown.....	45.6	34.2	38.9	37.8	3.12
Valencia.....	49.5	40.3	44.5	43.3	6.09
Roche's Point.....	47.7	39.5	43.2	41.9	5.59
Pembroke.....	45.5	39.6	42.7	41.3	3.75
Sally.....	48.8	42.0	46.4	44.9	3.73
Pravle Point.....	46.2	37.6	42.0	41.0	3.08
Jersey.....	45.8	38.3	41.8	40.4	3.21
Hurst Castle.....	45.0	36.3	40.3	39.5	2.94
Dover.....	43.5	35.8	39.2	38.1	2.38
LONDON.....	44.1	33.8	37.6	36.6	2.12
Oxford.....	43.1	33.6	37.1	36.1	2.26
Cambridge.....	43.3	31.7	36.2	35.4	1.54
Yarmouth.....	41.5	33.8	37.5	36.7	1.95

**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 over the Baltic, 30.3 ins. and upwards in the south of France.

Lowest 29.3 ins. and less in a depression lying off the west of Scotland.

Gradients rather steep over the northern parts of the United Kingdom, but moderate or slight elsewhere.

Barometer falling in the extreme northwest of our Islands, as well as in Sweden, Denmark, Germany and the Netherlands, but falling elsewhere.

## TEMPERATURE

Highest 51° at Biscaritz, 50° at Nain, Sicily and Lisbon, 49° at Leith and Perpignan, and 48° at Stornoway, Rook's Point, Pembroke and Lorient.

Lowest 4° at Munich, 18° at Wiesbaden, 19° at Berlin, 22° at Haparanda, 23° at Herneford, and 24° at Cuxhaven.

The maxima registered yesterday were above 50° in many parts of the United Kingdom: at Nain the thermometer rose to 55°, and at Loughborough to 57°.

## WIND

S<sup>W</sup> or S<sup>W</sup><sup>2</sup> in our Islands; moderate in force generally, but strong on our extreme N. and N.W. coasts.

Light from the S.E. <sup>W</sup> on the eastern shores of the North Sea.

Variable over the northern parts of Scandinavia, E<sup>2</sup> in the south of France.

## WEATHER

Fair at present over the greater part of western Europe, but dull in the extreme north and northwest of our Islands, with rain at White.

Rain fell yesterday in most parts of our Islands, the largest amounts being 0.6 inch at Rook's Pt. and 0.5 inch at Holyhead and Pembroke.

## SEA

Rough on our southwestern and extreme northern coasts, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland is moving northwards, but as the wind at Valentia holds to the S<sup>W</sup> it is very probable that the disturbances will shortly approach our Islands from the Atlantic.

# FORECASTS

For the 24 hours ending at NOON on 13<sup>TH</sup> JANUARY. 1894.

## DISTRICTS.

## FORECASTS.

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

S<sup>2</sup> winds, strong, changeable, some showers.

Same as N<sup>o</sup> 5.

S<sup>2</sup> and S.W.<sup>2</sup> breezes, fair to showery, very mild.

## DISTRICTS.

## FORECASTS.

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

Same as N<sup>o</sup> 0 and 1.

S<sup>2</sup> winds, strong, fair to unsettled and rainy.

## WARNINGS

At 7.20 pm yesterday to districts 0 to 3 and 5. Hoist South Cone. The signals are now flying 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.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.91	46	47	SE	8	c	5	Valencia ...	29.42	50	47	ESE	5	om	5
Sumburgh Head ...	29.40	45	45	SSE	3	r	6	Scilly ...	29.65	51	50	S	7	om	7
Stornoway ...	29.30	46	46	SW	3	r	4	Jersey ...							
Aberdeen ...	29.45	46	44	SSE	6	cgy	6	Hurst Castle ...	29.89	51	49	S	4	bm	5
Shields ...	29.49	53	48	SSW	3	b	2	Dungeness ...	29.96	46	44	SSW	4	c	4
Ardrossan ...	29.46	46	45	S	7	c	5	North Foreland ...	29.98	47	41	S	3	b	2
Malin Head ...	29.44	45	44	S	3	b	2	London ...	29.91	52	49	S	3	bc	4
Mullaghmore ...								Yarmouth ...	29.93	43	42	S	3	bm	4
Belmullet ...	29.41	48	45	S	2	bc	5	Rocheport ...	30.05	46	44	SSE	3	c	#
Holyhead ...	29.47	49	47	SW	5	o	5								

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

*Weather* cloudy or overcast in most parts of the United Kingdom, with rain at several of the Irish stations, and also in the Shetlands. Varying greatly in different parts of the Continent, - mostly cloudy, with rain in the neighbourhood of the Kattegat, and also at Lisbon - but fine at many of the German, Austrian and Italian stations, as well as in the south of France. Heavy rain falling later in the southwest of our Islands, and smaller quantities reported in most other parts of the United Kingdom.

*Temperature* fallen in Russia, Austria and Italy, but risen in most other countries. Morning readings, highest, 59° at Biarritz and Lisbon, 58° at Corunna, 56° at Algiers, and 54° at Malta, reaching 50° on many parts of our own western coasts, as well as at Leith. Lowest 3° at Moscow and Kharkov, 5° at Lemberg and Hermannstadt, and 6° at Warsaw and Kiev. Considerably below the freezing point over nearly the whole of Russia, Austria and Germany, and slightly below it at many of the Scandinavian stations. Daily maxima exceeding 50° in many parts of our Islands and France, and reaching 57° at Loughborough. Thermometer rising to 61° at Lisbon, and to 66° at Biarritz.

*Wind* fresh or strong from the S<sup>W</sup> or SE<sup>W</sup> over nearly the whole of western and northern Europe, with a gale at Donaghadee. Light or moderate from the NE<sup>W</sup> in the south of Russia, and from the N<sup>W</sup> in Italy, variable in the south of France. Subsequently increasing to a gale from the SE<sup>W</sup> in the southwest of our Islands, and also in the west of Norway, no important change occurring elsewhere.

*Barometer* highest 30.8 ins. and upwards over central Russia, 30.3 ins. and upwards in an anticyclone covering the whole of eastern and central Europe. Lowest 29.3 ins. and less in a large depression lying to the westward of our Islands; gradients rather steep over England and the North Sea. New depression subsequently advancing to our extreme southwest coasts and moving quickly northwards during night.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on

Saturday, 13<sup>th</sup> January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. Y. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Change since Yester- day Morn.		Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Max.	Min.						
		Ina.	°	Dir.	Force (0 to 12).		Ina.	°	°	°		Dir.	Force (0 to 12).			°	Ina.		
SCANDINAVIA.	Haparanda ...	30.24	22	2	0	0	30.20	+0.08	25	24	+3	SSW	2	0	#	0	27	18	0.12
	Hernösand ...	30.24	21	2	0	0	30.11	+0.02	28	27	+5	S	4	0	#	0	32	19	-
	Stockholm ...	30.43	30	W	2	0	30.30	-0.04	25	23	-8	WSW	2	0	#	0	36	26	-
	Wisby ...	30.41	32	SW	4	0	30.37	-0.05	29	28	-4	SW	4	0	#	0	37	28	-
	Bodö ...	30.38	39	S	2	0	29.89	+0.08	41	40	+6	SW	4	0	#	0	43	34	0.67
	Christiansund...	29.86	47	N	3	0	29.99	-0.05	37	36	-6	ESE	1	0	#	0	47	37	-
	Skudesnaes ...	30.06	41	SSE	7	0	30.12	+0.10	42	40	+1	SSE	7	0	6	0	46	39	-
	Christiania Fjord (Farder)	30.24	34	ESE	2	0	30.28	+0.01	35	34	0	S	2	0	m	0	35	32	-
	Skagen (The Scaw)	30.23	34	SSW	3	m	30.31	+0.07	33	32	-2	S	1	0	m	0	36	32	-
	Fanö ...	30.21	31	SE	4	0	30.25	+0.12	33	33	+2	SE	2	0	#	0	36	30	-
BRITISH ISLANDS.	Sumburgh Head	29.63	45	SSW	3	0	29.60	-0.03	45	44	+1	SSE	5	0	0	0.6	46	43	0.01
	Stornoway ...	29.50	46	SW	7	0	29.16	-1.14	48	48	0	S	9	0	6	0	49	41	0.05
	Wick ...	29.63	42	S	3	0	29.47	-0.00	45	43	+1	S	7	0	bu	0	47	42	0.05
	Nairn ...	29.68	43	SW	1	0	29.42	-0.01	50	45	0	SSW	5	0	0	0	51	40	-
	Aberdeen ...	29.78	44	S	5	0	29.67	+0.08	44	43	+1	SSE	7	0	0	0	47	42	0.09
	Leith ...	29.83	45	SSW	2	0	29.61	+0.06	50	45	+1	SSW	5	0	0	0	51	42	-
	Shields ...	29.95	46	SW	3	0	29.83	+0.11	45	44	+1	SSW	4	0	2	bc.m.t	50	40	0.03
	Spurn Head ...	30.04	39	SSE	2	0	29.98	+0.14	40	39	0	SSE	4	0	0	bc.m.b	46	37	0.01
	York ...	30.01	45	S	1	0	29.90	+0.10	44	43	0	S	4	0	0	0	51	41	0.05
	Loughborough	30.06	43	SE	1	0	29.95	+0.14	45	44	-1	S	3	0	0	0	53	41	0.03
GERMANY & HOLLAND.	Ardrossan ...	29.77	47	SSE	3	0	29.60	+0.05	48	46	+1	S	6	0	0	0	48	47	0.01
	Malin Head ...	29.61	44	S	4	0	29.22	-0.07	47	46	+1	SSW	9	0	4	0	50	42	0.02
	Mullaghmore ...	29.51	46	SE	5	0	29.37	-0.06	48	45	+2	SW	8	0	0	0	50	37	0.71
	Belmullet ...	29.78	45	SE	4	0	29.59	+0.01	48	47	+1	SSW	8	0	0	0	50	43	0.16
	Liverpool (Bidston)	29.95	43	SSE	2	0	29.82	+0.08	46	44	-1	SE	4	0	0	0	51	42	0.04
	Holyhead ...	29.85	45	SW	4	0	29.72	+0.03	47	46	+1	S	6	0	4	0	50	40	0.10
	Parsonstown ...	29.64	47	SE	3	0	29.58	-0.02	47	44	+5	SE	4	0	0	0	50	40	0.14
	Valencia ...	29.36	49	ESE	9	0	29.54	-0.06	49	47	+3	SSE	4	0	0	0	52	46	0.44
	Roche's Point	29.61	48	S	8	0	29.62	-0.06	49	49	+1	SSW	5	0	0	0	49	45	0.45
	Pembroke (St. Ann's Hd.)	29.84	49	S	5	0	29.79	-0.00	48	47	0	S	5	0	0	0	49	47	0.12
FRANCE AND BELGIUM.	Scilly ...	29.82	50	S	6	0	29.76	-0.08	50	50	0	S	5	0	0	0	53	47	0.10
	Prawle Point ...	30.03	49	S	4	0	29.91	-0.02	48	48	+1	SSW	4	0	0	0	50	46	0.03
	Jersey (St. Aubin's)	30.11	47	S	4	0	29.99	+0.03	46	45	+2	S	4	0	0	0	49	43	0.02
	Hurst Castle ...	30.15	45	SSW	3	0	30.11	+0.16	44	43	-2	S	5	0	0	0	48	42	-
	Dungeness ...	30.17	43	SW	2	0	30.11	+0.14	43	42	-3	S	3	0	0	0	51	41	-
	North Foreland	30.13	45	S	3	0	30.06	+0.12	45	43	-2	SSW	3	0	0	0	54	43	-
	Oxford ...	30.09	44	SW	2	0	29.99	+0.11	44	43	-1	SE	2	0	0	0	53	43	0.03
	Cambridge ...	30.11	44	SSW	3	0	30.04	+0.15	43	42	0	SE	6	0	0	0	53	38	0.02
	Yarmouth ...	30.05	44	SW	3	0	30.09	+0.18	41	40	-2	S	4	0	0	0	48	36	-
	Cuxhaven ...	30.24	32	SSE	2	0	30.33	+0.17	37	37	+8	S	2	0	0	0	37	29	-
PENINSULA.	Berlin ...	30.39	27	SE	2	0	30.43	+0.10	25	24	+6	S	2	0	0	0	34	19	-
	Wiesbaden ...	30.38	31	SW	2	0	30.38	+0.13	31	30	+13	2	0	0	0	0	31	18	0.12
	Munich ...	30.41	26	SW	2	0	30.38	+0.12	24	24	+20	SE	5	0	0	0	27	14	-
	The Helder ...	30.25	37	SSW	2	0	30.27	+0.24	34	34	+3	SSE	2	0	0	0	34	30	-
	Brussels (8 a.m.)	30.28	35	SW	3	0	30.28	+0.19	35	34	-5	SSE	2	0	0	0	45	32	-
	Cape Gris Nez	30.15	41	SSW	3	0	30.10	+0.16	41	41	-2	W	4	0	0	0	46	37	-
	Paris ...	30.30	41	SSW	2	0	30.22	+0.10	36	32	-6	SE	2	0	0	0	50	32	-
	Brest ...	30.12	43	S	3	0	30.08	+0.04	43	42	-1	S	3	0	0	0	52	48	-
	Lorient ...	30.12	43	SSE	5	0	29.98	-0.08	49	48	+1	S	4	0	0	0	52	45	0.12
	Rochefort ...	30.24	47	SSE	3	m	30.08	-0.12	44	42	-3	S	4	0	0	0	54	41	-
FRANCE AND BELGIUM.	Belfort ...	30.24	37	W	1	m	30.08	-0.12	44	42	-3	S	4	0	0	0	54	41	-
	Lyons ...	30.40	39	NE	1	0	30.37	+0.04	30	30	-10	SE	1	0	0	0	39	28	-
	Nice ...	30.36	39	W	0	0	30.35	+0.02	40	31	+2	E	1	0	0	0	49	26	0.04
	Perpignan ...	30.38	41	SW	1	0	30.31	+0.03	39	39	-10	W	2	0	0	0	45	36	-
	Biarritz ...	30.21	55	E	4	0	30.09	-0.16	59	49	+8	S	3	0	0	0	61	48	-
PENINSULA.	Corunna ...	30.22	54	SSW	5	0	30.19	-0.07	58	58	+8	S	4	0	0	0	61	50	0.20
	Lisbon ...	30.22	54	SSW	5	0	30.19	-0.07	58	58	+8	S	4	0	0	0	61	50	0.20

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Saturday, 13<sup>th</sup> Jan<sup>y</sup> 1894

## 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

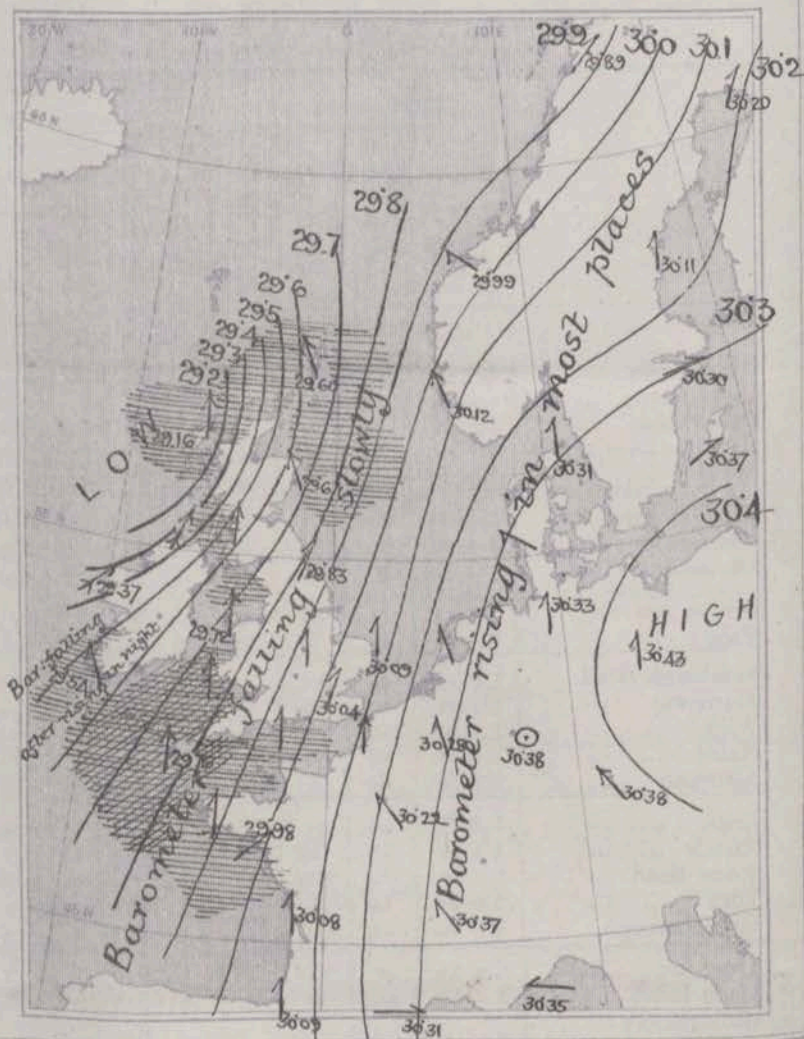
at 8.0 a.m. for the month of January

During the 20 Years 1871–1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.907
Ardrossan	29.838
Mullaghmore	29.817
Donaghadee	29.836
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.930
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Prawle Point	30.000
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.000
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

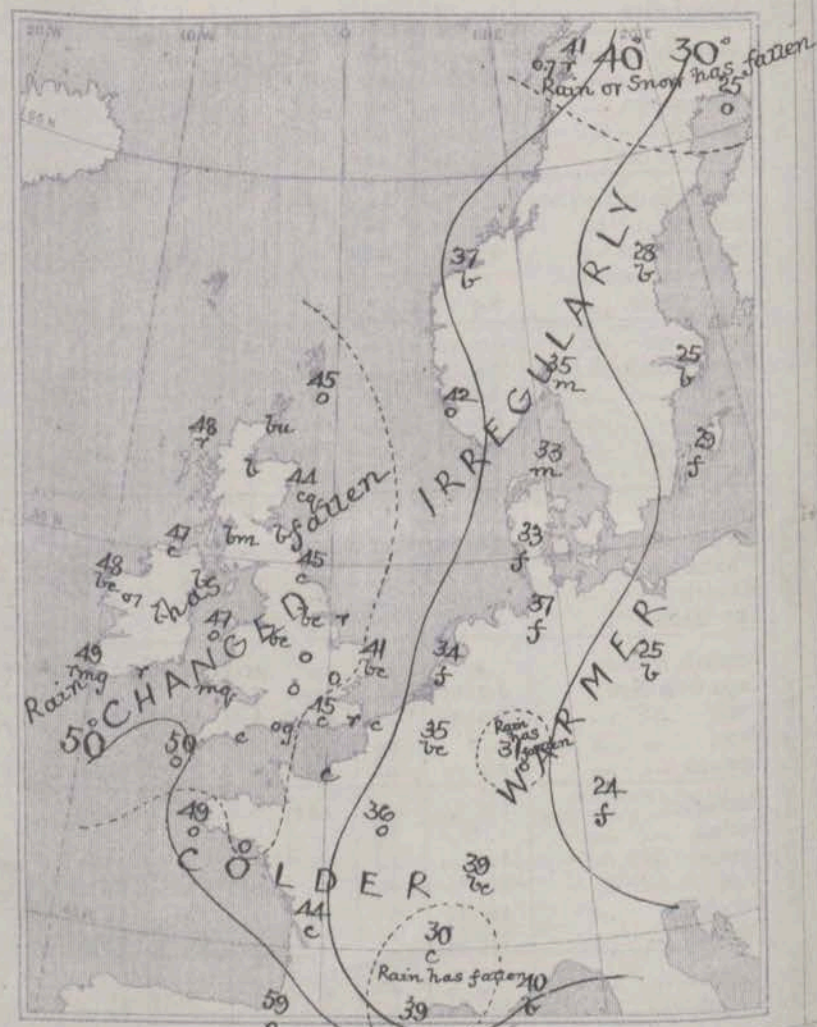
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	35.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.36
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.69
Roche's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.3	3.75
Scilly	48.8	42.9	46.4	44.3	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.00
Jersey	45.8	38.3	41.8	40.4	4.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.20
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

**NOTE.**—The Temperature means are for the 20 years 1871–90, the Rainfall means are mainly those for the 35 years 1858–90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in: and more over Germany and the Baltic, and exceeding 30.0 in: at most of the fundamental stations and over the eastern parts of the North Sea.  
 Lowest, 29.2 in: and less, off our extreme northwestern coasts.  
 Gradients steep in the north, rather steep in the west, slight on the Continent.  
 Barometer inclined to fall again after a rapid recovery in the night.

## TEMPERATURE

Highest, 59° at Biarritz, 50° at Seilly, and Navin, 49° in the south of Ireland, and above 40° over the United Kingdom generally.  
 Lowest, (1) 25° to 29° at the Swedish stations; (2) 24° at Munich, 25° at Berlin, 30° at Lyons, 31° at Wiesbaden.  
 The maximum recorded yesterday exceeded 50° in almost all parts of the Kingdom, and was as high as 61° at Lisbon and Biarritz.

## WIND

Still S<sup>1</sup> over our Islands generally, and blowing a gale at the northwestern stations, a fresh to moderate breeze elsewhere.  
 SE<sup>1</sup> over Germany and the east of France, SW<sup>1</sup> in the north in the north of Norway.  
 It blew a strong gale at our western and southwestern stations in the night; Beaufort reports an extreme of force 12.

## WEATHER

Fine over Germany, the Baltic, and Sweden, mild and very changeable and showery over the United Kingdom, foggy in the Netherlands.

Rain has fallen generally in the west and north (rather heavily in Ireland) and some falls have occurred locally in the east and south.

## SEA

Very high in the southwest, rough in the west and north generally, moderate in the east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further disturbances are evidently approaching our western coast, and are likely to cause a renewal of the S<sup>2</sup> gales on our western and northern coasts. Mild gusty showery weather is probable elsewhere.

# FORECASTS

For the 24 hours ending at NOON on 14<sup>th</sup> JANUARY, 1894

## DISTRICTS.

## FORECASTS.

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

S<sup>2</sup> winds, varying from a gale to a moderate breeze; changeable, some showers.  
 S<sup>2</sup> winds, fresh; changeable, some showers, bright intervals.

## DISTRICTS.

## FORECASTS.

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

S<sup>2</sup> winds, strong to a gale; squally, showery, unsettled.

## WARNINGS

Signals lowered in the southeast and east this morning, but are still up in districts 0, 1 and 6 to 10.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.00	45	39	SE	6	0	5	Valencia ...	29.62	50	47	SE	5	0 m	5
Sumburgh Head	29.55	45	44	SE	5	0	6	Scilly ...	29.88	51	50	SE	6	0 m	6
Stornoway ...	29.33	49	48	S	8	0	6	Jersey ...							
Aberdeen ...	29.70	46	43	SE	4	0	4	Hurst Castle ...	30.04	49	47	W	4	0	4
Shields ...	29.85	50	45	W	3	0	2	Dungeness ...	30.10	49	46	W	3	0	3
Ardrossan ...	29.73	48	46	SE	5	0	4	North Foreland ...	30.02	51	48	W	3	0	2
Malin Head ...	29.58	46	44	SW	5	0	3	London (Westminster)	30.08	53	49	W	3	0	3
Mullaghmore ...								Yarmouth ...	30.03	48	46	W	3	0 m	3
Belmullet ...	29.59	49	46	W	4	0	3	Rochefort ...	29.25	51	50	S	3	0 m	3
Holyhead ...	29.84	48	40	W	4	0	3								

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

Weather in morning remaining very quiet over eastern, central, southern and south-western Europe—fine and bright at many of the stations, foggy at others; slight snow reported at Kiev; changeable and unsettled over the British Isles and their neighbourhood, as well as over northern Europe, with rain in some places, snow at Archangel and St. Petersburg. Rain falling later in many parts of our Islands and their neighbourhood—the amounts being considerable in Ireland and at Bodo.

Temperature continuing high in the northwest, but showing a further fall over central and eastern Europe. Morning readings exceeding 50° on the southern side of the Mediterranean, just touching 50° at the Portuguese stations and Scilly, and above 40° all over our Islands. Lowest -3°F at Kharkov, -2° at Kiev, +3° at Warsaw, and 4° at Knefshwasser; much below the freezing point all over Russia and Central Europe. Rising later to 50° or more at most of our own and the western French stations, and touching 61° at Biarritz and Lisbon.

Wind continuing anticyclonic over the greater part of the Continent, but cyclonic—SW<sup>3</sup> to SE<sup>3</sup> over the British Islands and west of Norway, and blowing very strongly on our north-western coasts. Blowing strongly from NE. and E. over France and the south of Italy. Increasing to a strong gale over the western parts of our Islands later, and freshening considerably over England.

Barometer highest 30.7 ins. and more over the southern parts of Russia, and exceeding 30.0 ins. almost all over Europe. Lowest 29.3 ins. and less, in a depression off the west of Scotland; gradients steep in the extreme northwest. Falling fast again in Ireland towards evening and fall spreading more or less over the Kingdom.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

Sunday 14<sup>th</sup> January

1894.

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
	Barom.	Temp.	Wind.		Force (0 to 12).	Weather.	Barometer.	Shade Temp.			Wind.		Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.
	Reading at 52° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).			Reading at 52° F. and Sea Level.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).					Max.	Min.	
	Ina.	°					Ina.	°	°	°									
SCANDINAVIA.	Haparanda ...	30.12	28	S	2	o	30.04	-16	28	28	+ 3	SW	4	o	#	o	30	19	0.04
	Hernösand ...	30.13	16	L	0	b	29.99	-12	10	9	- 18	L	0	b	#	o	30	?	—
	Stockholm ...	30.25	25	L	0	f	30.17	-13	30	29	+ 5	L	0	f	#	f	30	19	—
	Wisby ...	30.22	32	SW	6	o	30.24	-13	31	31	+ 2	SW	4	o	#	o	34	27	—
	Bodö ...	29.91	41	L	0	o	29.74	-15	41	?	0	?	4	e	2	o	43	37	0.04
	Christiansund...	29.85	44	SE	5	bc	29.74	-25	43	41	+ 6	ESE	1	o	4	bc	45	37	—
	Skudesnaes ...	30.04	43	SSE	8	o	29.95	-17	42	39	0	SSE	8	o	7	o	43	39	—
	Christiania Fjord (Fjord)	30.23	35	SSE	2	f	30.12	-16	36	36	+ 1	SSE	2	f	1	f	36	?	—
	Skagen (The Scaw)	30.23	36	SSW	1	f	30.13	-18	36	36	+ 3	SSW	2	f	0	f	36	32	—
	Fanö ...	30.20	35	SE	4	o	30.07	-18	33	32	0	SE	4	f	#	o	36	?	—
BRITISH ISLANDS.	Sumburgh Head	29.53	46	S	6	bc	29.61	+ 01	43	43	- 2	S	1	c	5	bbe	47	42	0.05
	Stornoway ...	29.33	48	SW	8	o	29.56	+ 40	48	47	0	W	3	c	4	to	49	41	0.10
	Wick ...	29.50	44	S	3	b	29.61	+ 14	40	39	- 5	S	2	bc	2	b	49	40	—
	Nairn ...	29.52	46	WSW	2	c	29.63	+ 21	37	37	- 13	L	0	bc	1	c	52	36	—
	Aberdeen ...	29.65	44	SSE	6	b	29.71	+ 04	42	41	- 2	S	2	o	4	bogb	46	42	—
	Leith ...	29.67	48	SSE	1	o	29.68	+ 07	45	44	- 5	S	1	o	#	o	52	42	—
	Shields ...	29.81	45	SSW	4	c	29.75	- 08	42	42	- 3	S	3	o	2	bcm,c	48	40	—
	Spurn Head ...	29.89	40	SSE	3	bc	29.81	- 14	38	38	- 2	SSE	3	f	3	bc	43	37	—
	York ...	29.86	46	SSE	1	o	29.80	- 10	42	42	- 2	SSE	1	f	0	o	47	41	—
	Loughborough	29.90	45	SSW	2	o	29.80	- 15	42	42	- 2	SE	2	ogf	#	o	47	42	—
GERMANY & HOLLAND.	Ardrossan ...	29.60	48	S	6	o	29.69	+ 09	45	44	- 3	L	0	c	2	o	48	43	0.10
	Malin Head ...	29.51	44	S	5	o	29.66	+ 14	40	39	- 7	S	2	b	2	o	48	39	0.02
	Mullaghmore ...	29.52	46	S	3	o	29.70	+ 33	40	39	- 8	SW	2	b	#	op	48	39	0.03
	Belmullet ...	29.62	47	SSE	6	r	29.71	+ 12	37	37	- 11	ESE	5	bc	3	rf	49	33	0.08
	Donaghadee ...	29.68	47	SE	3	o	29.74	- 08	45	44	- 1	SE	2	o	2	o	50	43	0.02
	Liverpool (Bidston)	29.66	47	S	5	r	29.69	- 03	45	45	- 2	SW	1	og	1	c,rgf	49	45	0.65
	Holyhead ...	29.67	45	SW	1	c	29.75	+ 17	36	36	- 11	L	0	b	#	c	48	36	0.39
	Parsonstown ...	29.60	45	WNW	1	c	29.79	+ 25	37	36	- 12	NE	2	b	4	c	49	34	0.53
	Valencia ...	29.63	47	SW	5	bc	29.76	+ 14	40	39	- 9	WNW	1	b	4	bep	50	38	0.15
	Roche's Point	29.63	47	SW	5	bc	29.76	+ 14	40	39	- 9	WNW	1	b	4	bep	50	38	0.15
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.71	49	S	4	c	29.74	- 05	45	44	+ 3	W	1	cg	5	c	49	45	0.20
	Scilly ...	29.71	51	S	5	c	29.73	- 03	49	47	- 1	WNW	4	c	5	oc	52	46	0.02
	Prawle Point ...	29.85	47	SSE	4	o	29.73	- 18	47	44	- 1	W	1	rf	1	o	48	47	0.13
	Jersey (St. Aubin's)	29.91	46	SSE	4	o	29.80	- 19	45	45	- 1	S	3	omd	4	ofd	47	43	0.02
	Hurst Castle ...	29.98	45	S	4	c	29.82	- 29	43	42	- 1	S	5	p	4	c	45	42	0.01
	Dungeness ...	30.00	44	SE	4	c	29.84	- 27	42	39	- 1	S	3	og	2	c	45	39	—
	North Foreland	29.95	44	S	2	bc	29.81	- 23	42	41	- 3	SE	2	ogrm	#	c,b	51	40	0.04
	London ...	29.89	44	S	2	o	29.79	- 20	44	43	0	SE	1	fg	#	o	45	44	0.01
	Oxford ...	29.95	44	SSE	3	o	29.83	- 21	41	41	- 2	ESE	1	o	#	o	48	38	—
	Cambridge ...	29.99	41	S	4	bc	29.86	- 23	38	37	- 3	S	2	bc	3	bo	42	35	—
PORTUGAL.	Yarmouth ...	29.99	41	S	4	bc	29.86	- 23	38	37	- 3	S	2	bc	3	bo	42	35	—
	Cuxhaven ...	30.30	35	SSE	2	o	30.08	- 25	28	26	- 9	SE	2	m	#	o	38	26	—
	Berlin ...	30.41	31	L	0	b	30.22	- 21	19	17	- 6	SE	3	b	#	o	36	18	—
	Wiesbaden ...	#	#	#	#	#	30.16	- 22	31	30	0	NE	1	o	#	#	34	28	—
	Munich ...	30.31	18	L	0	f	30.17	- 21	0	0	- 24	NW	2	b	#	f	27	0	—
	The Helder ...	30.13	35	SSE	2	b	29.97	- 30	33	32	- 1	SE	1	b	1	f	39	30	—
	Brussels (9 a.m.)	#	#	#	#	#	29.95	- 33	36	34	+ 1	SE	3	c	#	b	46	34	—
	Cape Gris Nez	29.97	43	S	4	c	29.83	- 27	44	40	+ 3	S	4	o	4	c	48	37	—
	Paris ...	30.09	40	SE	2	b	29.90	- 32	39	36	+ 3	SE	3	o	#	b	45	35	—
	Brest ...	?	49	S	3	o	?	?	48	47	- 1	WNW	3	r	5	o	61	45	0.12
PORTUGAL.	Lorient ...	29.83	48	S	4	bc	29.72	- 26	45	44	- 4	ESE	3	m	5	bc	54	43	0.04
	Rochefort ...	30.04	47	S	3	o	29.85	- 23	46	46	+ 2	S	5	#	#	o	52	41	0.16
	Belfort ...	?	37	E	1	b	?	?	28	26	- 11	E	2	#	#	b	40	27	—
	Lyons ...	30.23	41	S	1	b	30.03	- 34	44	36	+ 14	S	3	c	#	b	48	30	—
	Nice ...	30.32	43	L	0	bc	30.23	- 12	36	31	- 4	ENE	2	bc	2	bc	52	36	—
	Perpignan ...	30.25	43	L	0	b	30.01	- 30	36	48	+ 11	S	4	o	#	b	49	38	—
	Biarritz ...	30.00	58	S	3	o	29.91	- 18	51	51	- 8	W	5	#	3	o	66	48	0.24
	Corunna ...	#	#	#	#	#										#			
	Lisbon ...	#	#	#	#	#										#			

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Sunday, 14<sup>th</sup> January 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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Changes since previous morning are stated in words.

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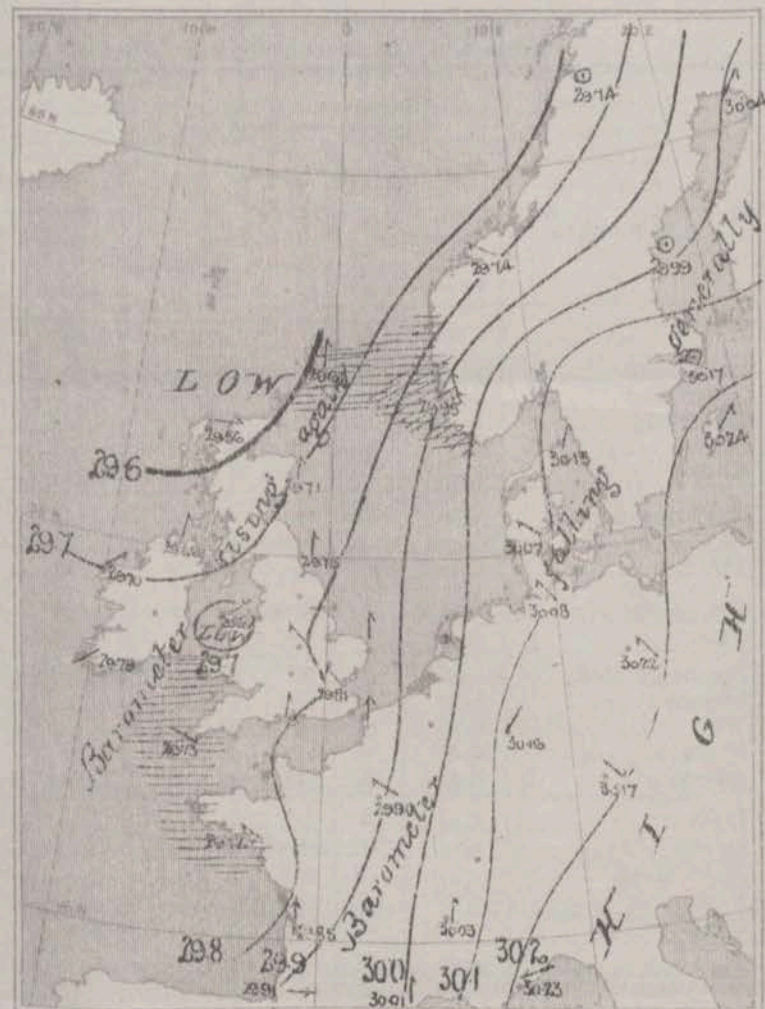
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at 8.0 a.m. for the month of January.

During the 20 Years 1871—1890.

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Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.905
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.969
Prawle Point	30.006
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Hurst Castle	30.002
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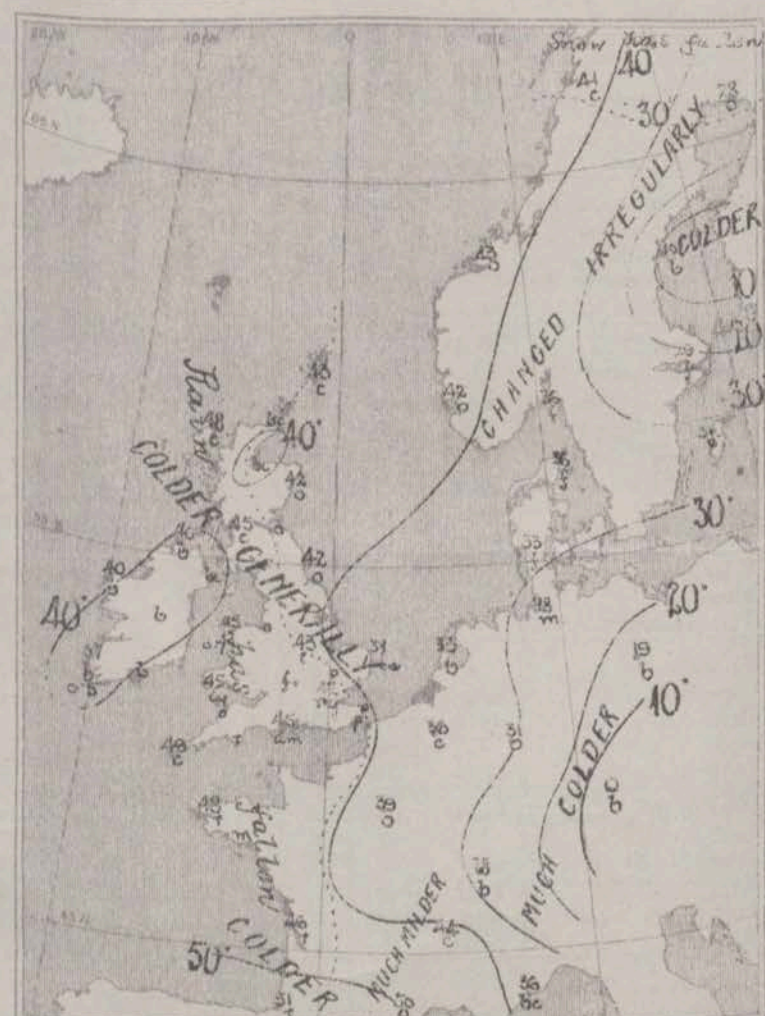
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(For the month of January.)

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Nairn .....	42.2	32.9	37.2	35.6	1.09
Aberdeen .....	42.4	32.2	37.3	35.6	2.31
Leith .....	44.4	33.7	38.6	37.2	1.03
Shields .....	43.0	34.2	38.2	36.9	1.75
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Ardrossan .....	44.2	36.3	40.0	38.8	4.25
Mullaghmore .....	46.1	38.0	41.6	40.4	4.36
Donaghadee .....	44.4	36.1	40.0	39.2	2.98
Holyhead .....	45.6	38.7	41.7	40.3	3.38
Liverpool .....	43.5	35.2	38.6	37.0	2.22
Parsonstown .....	45.6	34.2	38.9	37.8	3.12
Valencia .....	49.5	40.4	44.5	43.3	6.69
Roche's Point .....	47.7	39.5	43.2	41.9	5.50
Pembroke .....	45.5	39.6	42.7	41.3	3.75
Sally .....	48.8	42.0	40.4	41.9	3.73
Prawle Point .....	46.2	37.6	42.0	41.0	3.00
Jersey .....	45.8	38.3	41.8	40.4	3.24
Hurst Castle .....	45.0	36.3	40.3	39.5	2.94
Dover .....	43.5	35.8	39.2	38.1	2.58
LONDON .....	44.1	33.8	37.6	36.6	2.12
Oxford .....	43.1	33.6	37.1	36.1	2.26
Cambridge .....	43.3	31.7	36.2	35.4	1.54
Yarmouth .....	41.5	33.8	37.5	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins. and more to 30.0 ins. over Germany, the coast of France, the Baltic, and eastern shores of the North Sea.  
 Lowest, 29.6 ins. and less, over the Hebrides and north-west of Scotland, and below 29.8 ins. over the western parts of our Islands and the Bay of Biscay.

Gradient moderate to very slight and irregular.

Barometer rising decidedly on our west and north-west coasts, falling in the east and south.

## TEMPERATURE

Highest, 50° and more in the south-west of France, 49° at Kelly, 45° on the western coasts of England and Wales.

Lowest, (1) 51° at Munich, 19° at Berlin, 23° at Copenhagen; (2) 10° at Amsterdam, 13° at Copenhagen, 19° at Stockholm, 38° at the Hebrides.

It has fallen fast at the Irish stations in night, and the fall is spreading eastwards.

## WIND

S. over France and at our eastern and north-eastern stations, SE. over North Germany and the eastern shores of the North Sea.  
 NE. in the south of France. Very variable and light over Ireland.

## WEATHER

Fine over Ireland and a great deal of Scotland, as well as over northern and western Germany; very dull and unsettled over England, with fog in many places, rain over the southeastern countries. All heavy in the west of France.  
 Rainfall considerable over Ireland during past 24 hours, but only just commenced in London.

## SEA

going down quickly — still rather rough on the south-west coast of England and at Lough Malin, moderate in the West and at the Hebrides.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

# FORECASTS

For the 24 hours ending at NOON on 15<sup>th</sup> Jan: 1894

## DISTRICTS.

## FORECASTS.

## DISTRICTS.

## FORECASTS.

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

None issued

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

None issued

## WARNINGS

None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.09	42	40	SSE	8	o	6	Valencia ...	29.53		49	47	S	3	ny	4
Sumburgh Head ...	29.81	47	44	S	5	b	6	Scilly ...	29.74		52	51	S	5	o	7
Stornoway ...	29.19	48	48	SW	9	r	7	Jersey ...								
Aberdeen ...	29.70	45	43	SSE	5	bcg	6	Hurst Castle ...	29.94		47	46	S	4	o	5
Shields ...	29.50	47	45	SSW	4	bcw	2	Dungeness ...	30.01		45	44	S	4	c	3
Ardrossan ...	29.63	48	46	S	6	c	5	North Foreland ...	30.06		44	42	S	3	c	3
Malin Head ...	29.47	46	44	S	5	o	3	London (Westminster) ...	29.98		48	45	SSW	3	c	*
Mullaghmore ...								Yarmouth ...	30.03		44	40	S	4	bc	4
Belmullet ...	29.47	48	46	SSW	3	o	*	Rocheport ...	30.11		48	46	S	4	o	*
Holyhead ...	29.72	48	47	S	5	c	4									

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

Weather in morning fine and bright over many parts of Sweden, Germany, the south of Russia, and at many of the Mediterranean stations, as well as over the northern half of Ireland and several parts of Scotland. Very changeable, however, over the northwestern countries as a whole, with rain at times. Rain later over the greater part of our Islands—especially in the west—as well as over Brittany, and some at Palermo.

Temperature highest 58° at Comma and Lubin, 54° at Alps and Malta, 50° at Seilly, 49° in the south of Ireland, at Brest and Lorient, and above 40° over our Islands generally; lowest—5° to 13° over the south of Russia, Hungary, Poland, and eastern Germany, rather higher over Austria, north Germany, and northern Russia, 35° at Brussels, 36° at Paris. Rising later to 50° or more in several parts of the United Kingdom and the west and south of France and south of Italy, and to 60° and more over Algeria, but hard frost continuing over Austria and Russia.

Wind S<sup>3</sup> over the whole of the Bay of Biscay, the British Isles, the North Sea, and Scandinavia, and blowing hard on the northern and northwestern coasts of our Islands,—chiefly SE<sup>3</sup> over Germany, anticyclonic over central and eastern Europe, very variable over the Mediterranean. Falling light over the United Kingdom later, but blowing a gale at Shetland.

Barometer highest 30.6 in. and more to 30.4 in. in an anticyclone covering central and southeastern Europe, and exceeding 30.2 in. in a ridge stretching northwards over the Baltic and Finland. Lowest (1) below 30.1 in. over central Russia; (2) below 29.7 in. off our extreme northwest coasts. Rising in the latter region during day, but tending to fall over the Continent generally.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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“ Weekly “ “ “ £1 10 0 “



# DAILY WEATHER REPORT

for 8 a.m. on *Monday, 15<sup>th</sup> January,*

1894.

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.		Force (0 to 12).	Weather.	Barometer.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.					
Reading at 82° F. and Sea Level.	Dry Bulb.	Direc.	Force	Reading at 82° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force	Weather.	Max.	Min.	Amount of Rainfall.						
Inch.	°			Inch.	°	°	°	°		(0 to 12).		°	Inch.							
SCANDINAVIA.																				
Haparanda ...	29.91	24	SW	2	0	29.76	-28	24	24	-	4	SW	4	0	0	30	23	0.04		
Hernösand ...	29.94	7	Z	0	0	29.92	-07	9	8	-	1	Z	0	0	0	19	7	-		
Stockholm ...	30.13	34	Z	0	0	30.09	-08	34	32	+	5	SW	4	0	0	36	25	-		
Wisby ...	30.22	35	SW	4	1	30.13	-11	34	28	+	3	S	4	0	0	37	25	0.04		
Bodö ...	30.54	44	SW	6	1	29.64	-10	39	38	-	2	WSW	6	0	0	45	36	0.35		
Christiansund...	29.81	43	WSW	1	c	29.81	+07	41	39	-	2	E	1	0	0	45	41	-		
Skudesnaes ...	29.93	40	SSE	1	0	29.79	-16	38	37	-	4	ESE	2	0	0	42	36	-		
Christiania Fjord (Færdor)	30.07	35	SSW	2	b	29.95	-17	32	31	-	4	E	4	0	0	37	30	-		
Skagen (The Scaw)	30.06	34	S	3	bc	29.91	-22	33	32	-	3	S	3	m	0	36	32	-		
Faro ...	29.96	28	SSE	1	b	29.86	-24	34	33	+	1	SSE	3	m	0	34	27	-		
BRITISH ISLANDS.																				
Sunburgh Head	29.70	41	SSW	1	c	29.68	+07	42	42	-	1	W	1	m	4	46	39	0.02		
Stornoway ...	29.67	43	SW	3	c	29.69	+13	39	38	-	9	W	2	bc	3	48	35	0.06		
Wick ...	29.69	40	SW	2	b	29.71	+10	39	37	-	1	W	1	bc	1	45	39	-		
Nairn ...	29.74	37	W	1	b	29.75	+12	33	32	-	4	Z	0	c	1	45	29	-		
Aberdeen ...	29.76	41	SSW	1	c	29.80	+09	38	31	-	9	W	1	bm	2	45	33	-		
Leith ...	29.76	44	W	1	0	29.83	+15	34	33	-	11	WSW	2	m	0	46	32	-		
Shields ...	29.76	43	SSW	1	0	29.87	+12	39	38	-	3	SW	2	c	2	44	37	0.15		
Spurn Head ...	29.77	38	SE	2	rf	29.94	+13	37	36	-	1	WSW	2	b	2	40	36	0.19		
York ...	29.76	43	S	1	0	29.94	+14	38	38	-	4	W	1	b	0	44	38	0.15		
Loughborough	29.79	44	SW	1	0	30.00	+20	38	37	-	5	WSW	1	bm	0	45	37	0.06		
GERMANY & HOLLAND.																				
Ardrossan ...	29.78	43	W	1	0	29.81	+12	42	41	-	3	S	3	0	0	47	39	-		
Malin Head ...	29.66	40	S	2	b	29.72	+06	39	38	-	1	S	4	0	0	46	37	-		
Mullaghmore ...	29.77	44	W	2	b	29.60	-10	43	41	+	3	E	4	0	0	46	39	0.16		
Belmullet ...	29.81	36	W	3	bf	29.85	+14	37	37	+	0	SSE	4	bc	2	45	35	0.01		
BRITISH ISLANDS.																				
Liverpool (Bidston)	29.82	44	W	2	0	29.95	+21	38	36	-	7	S	1	b	2	47	37	-		
Holyhead ...	29.79	42	W	1	0	29.79	+04	42	42	-	3	SSW	1	bc	1	47	40	-		
Parsonstown ...	29.80	40	Z	0	b	29.79	+04	39	38	+	3	SE	8	0	0	46	34	-		
Valencia ...	29.91	45	SW	3	b	29.65	-14	47	47	+	10	SSE	5	rgm	4	48	37	0.48		
Roche's Point	29.82	45	W	1	bc	29.82	+06	48	47	+	8	SSW	5	ou	5	49	37	0.05		
GERMANY & HOLLAND.																				
Pembroke (St. Ann's Hd.)	29.86	45	W	2	c	29.96	+22	46	44	+	1	SSW	4	bc	4	47	44	0.02		
Scilly ...	29.91	49	W	4	bc	29.99	+26	49	48	+	0	S	5	c	5	50	46	-		
Prawle Point ...	29.86	45	W	4	0	30.08	+35	44	43	+	?	WSW	2	bc	1	47	40	0.06		
Jersey (St. Aubin's)	29.80	45	S	1	fd	30.09	+29	41	40	-	4	W	3	bm	3	45	39	0.26		
Hurst Castle ...	29.80	45	S	1	fd	30.09	+29	41	40	-	4	W	3	bm	3	45	39	0.26		
FRANCE AND BELGIUM.																				
Dungeness ...	29.78	45	SSW	4	opa	30.04	+22	43	43	0	0	W	3	c	2	45	41	0.13		
North Foreland	29.85	43	S	4	ogm	30.03	+19	42	41	0	0	W	3	c	0	44	39	0.12		
London ...	29.81	44	SW	1	0	30.06	+25	38	37	-	4	W	1	b	0	45	38	0.45		
Oxford ...	29.84	44	SE	1	0	30.05	+26	36	36	-	8	SW	1	bf	0	45	36	0.11		
Cambridge ...	29.79	42	ESE	1	0	30.04	+21	40	39	-	1	WSW	3	0	0	44	39	0.36		
Yarmouth ...	29.78	40	S	3	0	29.96	+10	39	38	+	1	WSW	3	b	3	40	36	0.11		
FRANCE AND BELGIUM.																				
Cuxhaven ...	30.04	36	SE	2	b	30.03	-05	37	37	+	9	SSW	2	f	0	37	26	-		
Berlin ...	30.12	25	SE	2	b	30.13	-09	20	19	+	1	Z	0	0	0	28	18	-		
Wiesbaden ...	30.12	9	SW	1	b	30.24	+08	30	29	-	1	Z	0	0	0	34	25	-		
Munich ...	30.12	9	SW	1	b	30.28	+11	7	7	+	6	S	1	b	0	16	0	-		
The Helder ...	29.91	34	SSE	1	0	29.99	+02	38	38	+	5	SSW	4	c	2	39	32	-		
FRANCE AND BELGIUM.																				
Brussels (3 a.m.)	30.07	42	W	1	0	30.07	+12	42	41	+	6	SSW	5	0	0	44	36	-		
Cape Gris Nez	29.81	44	S	4	0	30.02	+19	43	43	-	1	W	3	f	3	46	37	0.12		
Paris ...	29.93	45	S	3	0	30.17	+27	41	39	+	2	SW	2	b	0	46	39	0.51		
Brest ...	29.94	45	SSW	3	0	30.19	+27	41	40	-	2	WSW	3	c	5	54	43	-		
Lorient ...	29.94	45	W	5	c	30.19	+27	41	42	-	1	SSW	3	c	5	50	43	0.47		
FRANCE AND BELGIUM.																				
Rochefort ...	30.01	46	W	3	0	30.25	+40	44	40	-	2	S	1	b	0	50	39	-		
Belfort ...	30.10	44	E	1	c	30.31	+23	37	35	-	7	SW	1	bc	0	50	35	-		
Lyons ...	30.19	42	E	4	bc	30.29	+06	36	31	-	0	E	2	b	0	50	34	-		
Nice ...	30.03	50	S	2	0	30.29	+28	45	44	-	4	W	2	f	0	55	43	0.63		
Perpignan ...	30.08	49	W	6	0	30.26	+35	50	49	-	1	WSW	3	f	4	54	46	0.47		
Biarritz ...	30.08	49	W	6	0	30.26	+35	50	49	-	1	WSW	3	f	4	54	46	0.47		
FRANCE AND BELGIUM.																				
Corunna ...	30.40	47	W	3	b	30.42	+35	50	48	-	1	W	3	bc	0	57	48	-		
Lisbon ...	30.40	47	W	3	b	30.42	+35	50	48	-	1	W	3	bc	0	57	48	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Monday, 15<sup>th</sup> Jan. 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, it is shown thus:

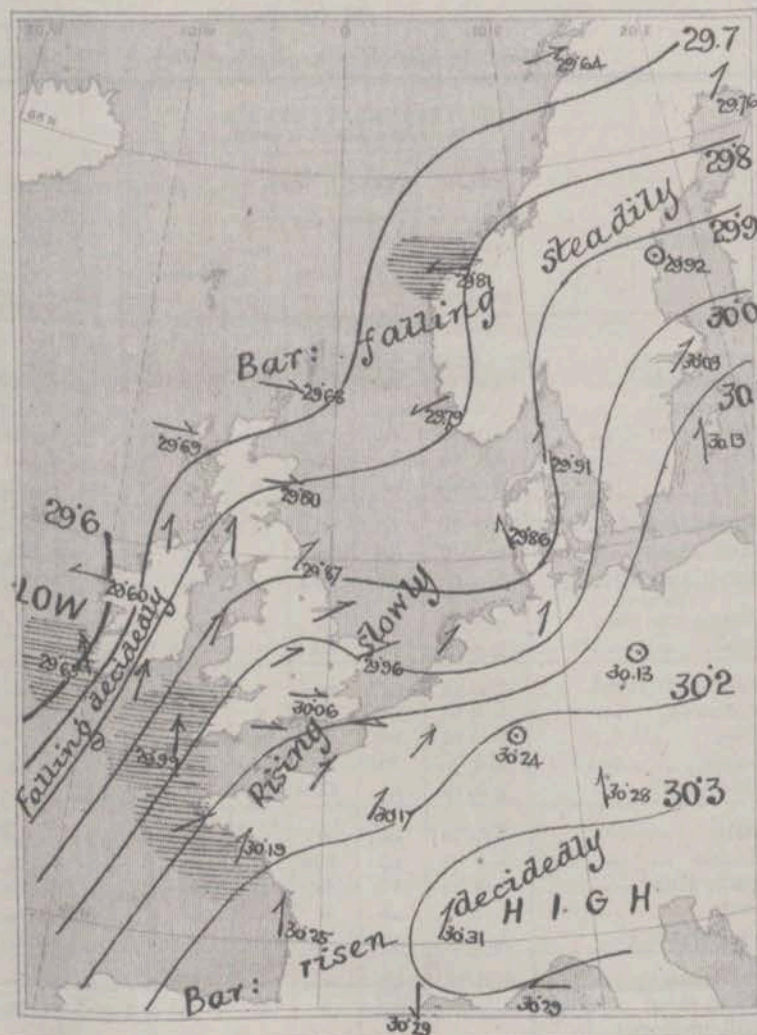
☼ = Rough. ☼ = High.

### MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.710
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.841
Spurn Head	29.920
York	29.932
Loughborough	29.967
Ardrossan	29.838
Mullaghmore	29.847
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.930
Sally	29.969
Prawle Point	30.006
Jersey	30.022
Hutal Castle	30.062
Dover	30.012
LONDON	30.006
Oxford	29.989
Cambridge	29.983
Yarmouth	29.979



## 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.

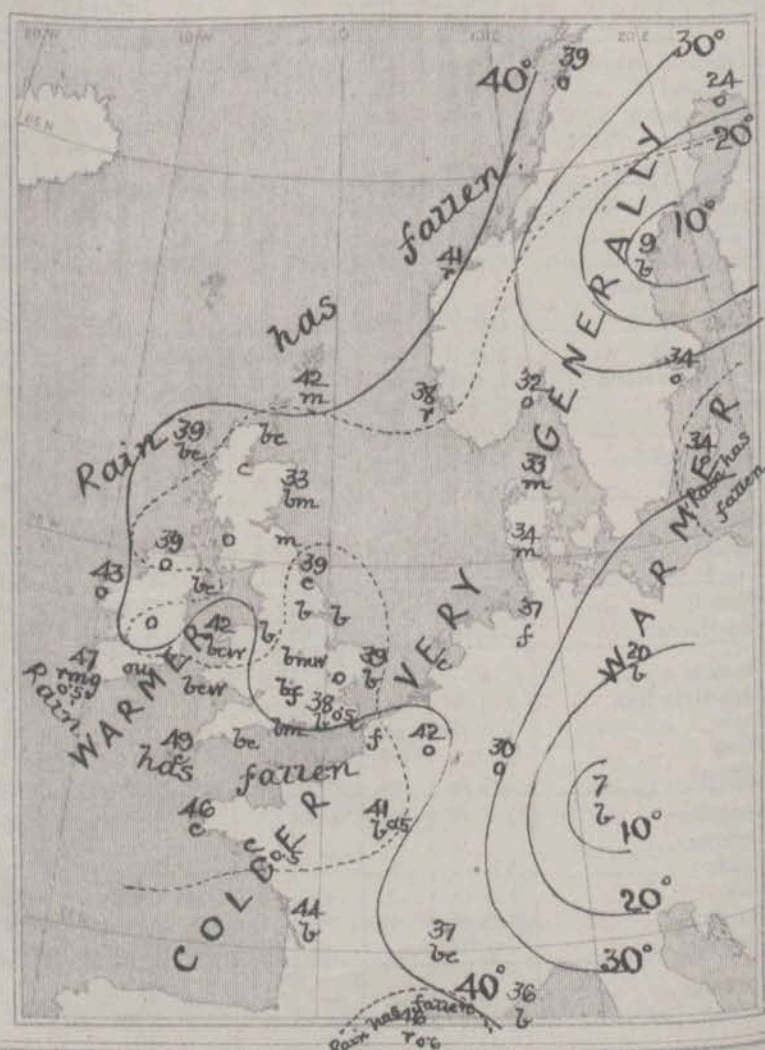
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.09
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	39.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.26
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.28
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.09
Roche's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.3	3.75
Sally	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.69
Jersey	45.8	38.3	41.8	40.4	3.21
Hutal Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.0	36.0	2.12
Oxford	43.1	33.6	37.1	36.1	2.20
Cambridge	43.3	31.7	36.2	35.4	1.34
Yarmouth	41.5	33.8	37.5	36.7	1.05

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, { 30.4 in: and more at Lisbon, and exceeding 30.2 in: over all the southern parts of France and Germany; 30.0 in: and more over the southern parts of England.

Lowest, (1) below 29.7 in: over the northwest of Scotland, and below 29.6 in: off the west of Ireland.

Gradients slight in most places, moderate (for S winds) in the west.

Barometer falling rather decidedly in Ireland, rising in the extreme east and southeast of our Islands.

## TEMPERATURE

Highest, 50° at Lisbon, 48° to 46° on our own southwestern coasts, 46° at Perpignan.

Lowest, (1) 7° F. at Munich, 20° at Berlin, 30° at Wiesbaden; (2) 3° at Helsingfors, 24° at Haparanda, 33° at Aberdeen.

It is rising fast in the west, and the rise is spreading eastwards.

## WIND

(1) S<sup>2</sup> on the eastern shores of the North Sea, E<sup>4</sup> in the west of Norway and moderate to light generally.

(2) W<sup>3</sup> ~~light~~ over the eastern half of Great Britain, and light in force; S<sup>3</sup>, moderate to fresh, in the west and over Ireland.

The S<sup>3</sup> wind is apparently freshening generally on our western coasts and spreading eastwards.

## WEATHER

Fine over the greater part of the Continent and England, dull and unsettled in the west, with rain at Valence (Ireland) and an ugly appearance at Rochester; the rainfall at Valence is considerable.

A good deal of snow fell yesterday at Cambridge, London, and several of the French stations.

## SEA

Moderate to rather rough again on our southwest coasts and off Ushant, moderate at Lumburg. It is also, smooth in the east and south.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new series of depressions is approaching our Islands from the westward, so that the fine cool weather prevailing over England this morning is not likely to last for long.

## FORECASTS

For the 24 hours ending at NOON on 16<sup>th</sup> January 1894.

### DISTRICTS.

### FORECASTS.

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

Wind becoming S<sup>2</sup> again & increasing; with squally, mild, rainy weather.

Wind backing S<sup>2</sup> and freshening; with mild, rainy weather.

### DISTRICTS.

### FORECASTS.

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

S<sup>2</sup> winds strong; squally, rainy - possibly gales locally.

### 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. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...															
Stornoway ...	29.60	45	45	Sw	8	c	3								
Aberdeen ...															
Shields ...															
Ardrossan ...															
Malin Head ...	29.73	45	43	SSW	1	b	1		29.76	45	44	S	4	7	3
Mullaghmore ...									29.77	44	40	SE	3	7	2
Belmullet ...	29.74	45	43	W	2	b	*								
Holyhead ...									29.86	49	47	W	4	c	*
Valencia ...															
Scilly ...															
Jersey ...															
Hurst Castle ...															
Dungeness ...															
North Foreland ...															
London ...															
Yarmouth ...															
Rochefort ...															

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

*Weather fine in Ireland and in the north of Scotland, but dull in other parts of the United Kingdom with fog and rain at many of the English stations. Dull over a considerable portion of the Continent, with fog in Denmark, Austria and South Germany, and with rain in the west of France, as well as at St. Petersburg. No important change occurring over Western Europe during day; but sky clearing in the west of Norway.*

*Temperature fallen in our Islands and also over Germany and the Netherlands, but risen in most of the countries showing readings highest 55° at Algiers, 54° at Oran and 52° at Barcelona, above 45° in the west of France and the extreme southwest of England, as well as in the Balears. Lowest 1° at Munich, 2° at Hochstuhl, 5° at Hermannstadt, 7° at Warsaw and 9° at Moscow, considerably below the freezing point in most parts of Russia, Austria, and Germany and as low as 17° at Paris and 25° at Florence. Daily maxima over our Islands ranging in most places between 45° and 50°, but not exceeding 50° on the east coast of England that occurring in Scotland at night.*

*Wind Southerly or Southeasterly over the greater part of Western and Central Europe, but Westerly in the extreme southwest of our Islands. Light from the Northward or Northwesterly over the Central and southern part of Russia, variable in Austria; Northeasterly in Italy and the south of France; Southeasterly in Algeria. Subsequently veering to the west or northwest in many parts of our western coast; no important change occurring elsewhere.*

*Baromet. highest 30.5 inches and upwards over Austria; 30.3 inches and upwards in the north of Scotland; shallow secondary disturbances reported over various parts of our Islands and the Bay of Biscay. Secondary systems subsequently moving eastward and partially filling up; baromet. rising in most parts of Western Europe.*

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM SUNDAY 7<sup>TH</sup> TO SATURDAY 13<sup>TH</sup> JANUARY 1894.

*The weather of this week was in most ways the reverse of that experienced during the week which ended on January 6<sup>th</sup>. The anticyclone then prevalent moved eastwards on Sunday and Monday, and a low pressure system began to encroach on the western parts of the Kingdom. Throughout the week pressure remained high over the Continent and low over the Atlantic, so that the wind was Southerly; night after night it increased to a gale on our most western coasts as depressions passed by the east of Ireland from south to north, but the gales did not reach our east coasts. The gale in Ireland on Friday night was very severe. Temperature has been high; rainfall abundant in the west, slight in the east.*

*At the close of the week these conditions appeared to be undergoing some modification.*

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Tuesday 16<sup>th</sup> January

1894.

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.				
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.		
																			Inch.	°
<b>SCANDINAVIA.</b>																				
Haparanda ...	29.78	26	SW	2	0	29.71	-.05	31	31	+ 7	SW	4	S	#	0	32	21	0.08		
Hernösand ...	29.80	26	S	2	5	29.61	-.31	29	28	+ 20	Z	0	0	#	5	27	5	0.20		
Stockholm ...	29.91	33	S	2	0	29.81	-.28	36	34	+ 2	WSW	4	0	#	0	36	30	0.04		
Wisby ...	29.98	31	S	4	bc	29.97	-.16	36	36	+ 2	SSW	4	0	#	bc	36	28	0.08		
Bodö ...	29.73	36	WSW	6	r	29.69	+.05	33	30	- 6	E	2	bc	1	r	39	30	0.08		
Christiansund...	29.70	39	SE	1	f	29.68	-.13	39	38	- 2	SE	1	r	3	f	41	39	0.39		
Skudesnaes ...	29.78	42	W	2	0	29.66	-.13	38	?	0	SE	4	r	4	TS, 0	43	34	0.35		
Christiania Fjord (Pierder)	29.78	33	SSW	2	m	29.78	-.17	37	36	+ 5	SSW	4	0	2	m	?	30	-		
Skagen (The Seaw)	29.84	38	WSW	2	0	29.84	-.07	37	37	+ 4	WSW	2	c	0	0	39	32	-		
Fanö ...	29.96	36	WSW	2	c	29.85	-.01	35	35	+ 1	SW	6	0	2	c	37	34	0.08		
<b>BRITISH ISLANDS.</b>																				
Sumburgh Head	29.65	39	Z	0	c	29.46	-.22	41	40	- 1	SE	2	0	4	T, c	44	37	0.14		
Stornoway ...	29.53	42	E	3	c	29.14	-.55	43	43	+ 4	SE	6	r	5	c	44	39	0.30		
Wick ...	29.60	40	S	2	b	29.29	-.42	42	42	+ 3	S	3	r	3	b	45	38	0.04		
Nairn ...	29.59	38	Z	0	f	29.28	-.47	42	40	+ 9	S	3	c	1	f	42	28	0.03		
Aberdeen ...	29.69	39	S	2	0	29.42	-.38	43	42	+ 10	S	3	og	3	bm, o, r	43	32	0.07		
Leith ...	29.63	39	ENE	2	r	29.44	-.39	48	44	+ 14	SW	4	c	#	r	48	31	0.16		
Shields ...	29.75	43	SW	2	r	29.62	-.25	44	42	+ 5	SW	2	c	2	c, r	45	36	0.07		
Spurn Head ...	29.87	40	SSE	4	0	29.76	-.18	41	40	+ 4	SSW	3	cm	3	b, o, r	43	36	0.07		
York ...	29.81	42	S	2	r	29.73	-.21	42	41	+ 4	S	1	bc	#	r	47	38	0.17		
Loughborough	29.86	44	SSW	4	r	29.80	-.20	43	42	+ 5	? FSE	2	cm	#	r	47	36	0.13		
<b>GERMANY &amp; HOLLAND.</b>																				
Ardrossan ...	29.53	51	ENE	3	rm	29.46	-.35	47	45	+ 5	S	6	ompq	5	o, rm	47	40	0.39		
Malin Head ...	29.36	47	SW	5	op	29.35	-.37	48	47	+ 9	WSW	6	ompq	4	op	48	39	0.24		
Mullaghmore ...																				
Belmullet ...	29.44	49	SW	5	0	29.47	-.13	49	48	+ 6	WSW	2	bc	#	rm, bc, o	50	41	0.55		
Donaghadee ...	29.55	47	SW	5	0	29.36	-.29	45	44	+ 8	SSW	5	c	3	o	47	36	0.53		
<b>FRANCE AND BELGIUM.</b>																				
Liverpool (Bidston)	29.71	43	SE	5	r	29.73	-.22	48	45	+ 10	SW	3	0	3	r	48	36	0.09		
Holyhead ...	29.61	48	S	6	od	29.67	?	48	48	+ 6	SSW	4	ogm	3	rm, od	49	42	0.26		
Parsonstown ...	29.59	49	SW	2	0	29.62	-.17	49	47	+ 10	SW	1	0	5	o	50	37	0.43		
Valencia ...	29.71	50	SW	4	bm	29.66	+.01	51	51	+ 4	SSW	5	omg	5	omg, bm	53	47	0.48		
Roche's Point	29.70	48	WSW	4	b	29.73	-.09	50	49	+ 2	WSW	4	om	4	o, b	50	45	0.25		
<b>PORTUGAL.</b>																				
Pembroke (St. Ann's Hd.)	29.71	47	SW	5	c	29.77	-.19	48	47	+ 2	SW	4	og	5	c	48	45	0.33		
Scilly ...	29.80	51	WSW	4	m	29.88	-.11	50	50	+ 1	SW	5	m	5	r, m	51	48	0.34		
Prawle Point ...	29.88	47	SSW	7	r	29.93	-.15	47	47	+ 3	WSW	3	0	3	p, r, f	49	43	0.18		
Jersey (St. Aubin's)																				
Hurst Castle ...	29.98	46	SSW	6	od	29.90	-.19	45	44	+ 4	WSW	3	bc, m	4	om, od	48	40	0.25		
<b>ITALY.</b>																				
Dungeness ...	30.06	45	SW	4	0	29.90	-.14	45	45	+ 2	WSW	4	0	4	bc, o, r	48	41	0.16		
North Foreland	30.09	44	SW	4	c	29.92	-.11	46	45	+ 4	SW	3	c	2	b, o, p, r	47	41	0.05		
London ...	29.99	45	SSW	5	og	29.89	-.17	44	43	+ 6	SW	3	bc	#	bc, o, og	48	37	0.14		
Oxford ...	29.87	45	SSW	4	r	29.87	-.18	44	43	+ 8	SSW	1	c	#	f, r	48	35	0.09		
Cambridge ...	29.96	43	S	3	0	29.85	-.19	42	42	+ 2	SSW	1	0	#	o	47	39	0.05		
Yarmouth ...	30.00	41	SSW	3	bc	29.84	-.12	43	42	+ 4	SW	3	bc, m	3	b, bc, q	43	37	0.10		
<b>SPAIN.</b>																				
Cuxhaven ...	30.09	38	SW	3	f	30.03	-.00	38	38	+ 1	SW	3	r	#	f	40	37	0.02		
Berlin ...	30.17	36	SSW	2	0	30.19	+.06	35	34	+ 15	SSW	1	bc	#	o	37	19	0.08		
Wiesbaden ...						30.23	-.01	33	32	+ 3	Z	0	0	#	#	34	30	-		
Munich ...	29.97	22	NW	1	b	30.32	+.04	20	20	+ 13	SW	4	b	#	b	25	7	-		
The Helder ...	30.11	37	SW	4	c	29.93	-.06	38	38	0	SSW	5	f	3	c	39	36	0.12		
<b>NETHERLANDS.</b>																				
Brussels (B. a. m.)						30.03	-.04	40	39	- 2	SSW	5	0	#	c	44	37	0.04		
Cape Gris Nez						29.91	-.11	42	42	- 1	S	5	f	4	o	46	36	0.16		
Paris ...	30.27	40	SW	3	b	30.11	-.06	41	40	0	SSW	4	0	#	b	46	37	0.16		
Brest ...						?	?	49	48	+ 3	SW	2	0	5	r	57	46	0.16		
Lorient ...	30.21	50	SSW	6	0	30.06	-.13	48	48	+ 4	W	5	c	5	o	52	43	0.39		
<b>GERMANY &amp; HOLLAND.</b>																				
Rochefort ...	30.32	45	WSW	3	c	30.20	-.05	46	46	+ 2	SW	4	r	#	c	52	37	0.12		
Belfort ...		37	N	1	c	?		36	33		W	1	c	#	c	42	32	-		
Lyons ...																				
Nice ...	30.34	42	Z	0	b	30.35	+.06	37	32	+ 1	E	2	b	1	b	52	36	0.04		
Perpignan ...	30.38	44	NE	1	b	30.36	+.07	36	32	- 12	SW	1	bc	#	b	53	34	-		
Biarritz ...	30.34	51	WNW	3	bc	30.27	+.01	48	43	- 2	SW	4	r	3	bc	57	43	-		
<b>PORTUGAL.</b>																				
Corunna ...																				
Lisbon ...	30.45	52	NW	3	bc	30.47	+.05	49	48	- 1	ENE	1	b	#	bc	57	46	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Tuesday, 16<sup>th</sup> Jan<sup>y</sup> 1894

## 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:

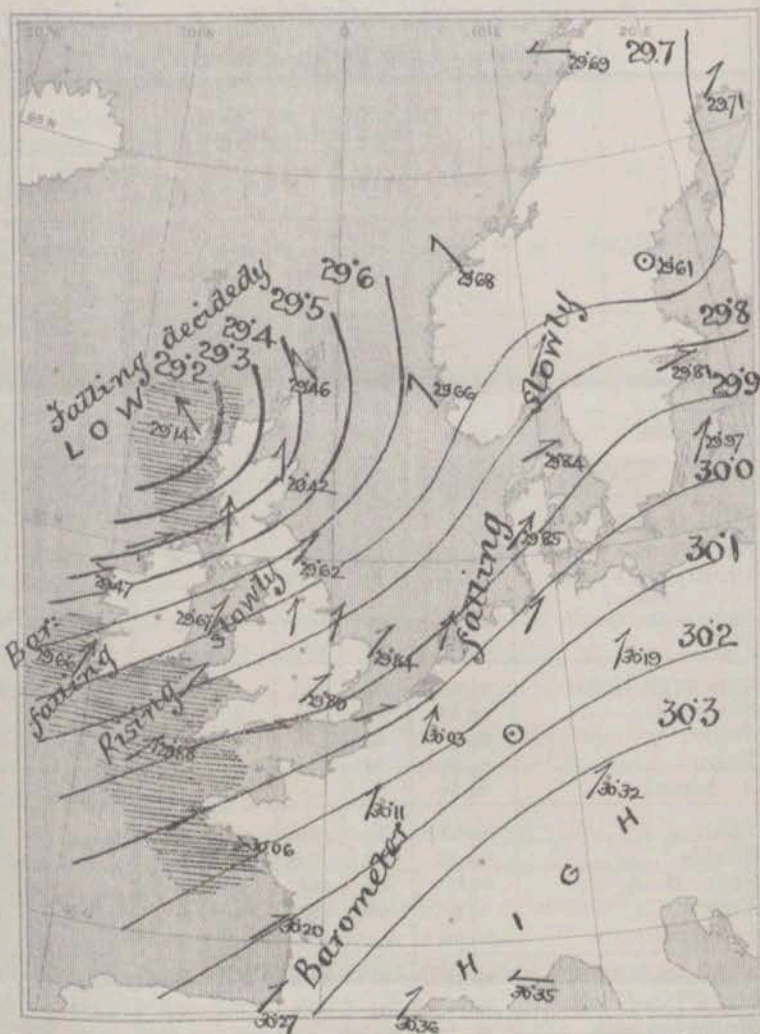
— Rough. — High

### MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS
	in.
Samburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrossan	29.878
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.865
Valencia	29.887
Rosie's Point	29.908
Pembroke	29.936
Scilly	29.940
Pravle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.990
Cambridge	29.993
Yarmouth	29.979





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.47 inches at Lisbon, 30.2 inches and upwards over the southern parts of France and Germany.  
Lowest 29.2 inches and less in a depression lying off the northwest of Scotland.

Gradients moderate. Barometer rising at some of our own southern stations, but falling elsewhere.

## TEMPERATURE

Highest 51° at Valencia (Ireland) 50° at Roche's Point and Dilly, and 49° at Belmullet, Rossonstown, Brest and Lisbon.

Lowest 20° at Munich, 29° at Hornsund, 31° at Kaparanda, 32° at Bodo and Wärsbuden and 34° at Papegnaw.

The maxima registered over our islands yesterday ranged in most cases between 45° and 50°.

## WIND

Slight to fresh from the southward or southwesterward over the greater part of Western Europe, but southeasterly or easterly in the north of Scotland and the west of Norway.

A moderate to fresh gale from the southward was experienced yesterday on some parts of our south & southwest coasts.

## WEATHER

Cloudy or overcast in most places, with rain in the north of Scotland and the west of Norway, as well as in the southwest of France, and with passing showers on our extreme northwest coasts. Snow is falling at Belfast, and in the east and southeast of England, and also in Germany and the south of France.

Rain fell generally yesterday, the largest amount being 0.6 inch at Belmullet, and 0.5 inch at Donaghadee and Valencia. At other places were seen at Brest, Bodo and Wärsbuden, at Trich, Belmullet and in London.

## SEA

Rather rough in the southwest, as well as at Stormway and off Norway, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is again falling in the west and south of Ireland, and another depression is apparently advancing from the westward. Increasing southerly winds are probable on our eastern and northern coasts, with rain in most parts of the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 17<sup>TH</sup> JANUARY. 1894.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	} Southerly winds, moderate to strong; unsettled, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	} Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Southerly and Southwesterly winds, freshening; fine to cloudy, and some rain.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	} Southerly and Southwesterly winds, increasing in force; squally, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

### WARNINGS

At 0.50 P.M. yesterday to Districts 0. 1. and 5. to 10. "Howt South Cone."

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.76	36	35	SSE	4	rs	4	Valencia ...	29.62	53	52	SW	5	cmg	5
Gumburgh Head ...	29.67	42	40	WNW	1	r	4	Scilly ...	29.87	50	50	S	7	r	5
Stornoway ...	29.66	44	44	W	4	c	4	Jersey ...							
Aberdeen ...	29.75	40	38	SW	1	bm	1	Hurst Castle ...	30.06	47	45	WSW	5	cm	4
Shields ...	29.85	44	42	SW	3	c	2	Dungeness ...	30.08	47	46	WSW	3	bc	3
Ardrossan ...	29.67	44	43	S	2	o	2	North Foreland ...	30.08	47	43	SW	3	b	2
Malin Head ...	29.45	29	29	SSE	6	o	3	London ...	30.05	47	44	SW	2	bcw	3
Mullaghmore ...								Yarmouth ...	30.02	42	41	SW	2	b	3
Belmullet ...	29.39	50	49	SW	4	bc	5	Rochefort ...	30.32	49	47	SW	3	b	5
Holyhead ...	29.71	44	44	S	6	rw	5								

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

Weather fine over Great Britain, France, and Italy as well as at some of the German stations. Cloudy elsewhere with rain in the south of Ireland and also in the west of Norway and the south of France; snow falling at St. Petersburg and Vienna. Rain falling later over nearly the whole of Western Europe, the amounts being large at some of the Irish stations. Light hail seen at Kempt Castle and light hail at Wick, Belmullet and in London.

Temperature rain in Ireland and also over Germany at the Netherlands, but fallen elsewhere. Morning readings highest 55° at Oron, 52° at Malta, 51° at Barcelona and 50° at Biarritz; Lisbon and Algiers, above 40° in the southwest of our Islands generally. Lowest -7° Fahrenheit at Ulesow, -4° at Kharkov, 0° zero at Hermannstadt and +2° at Muehlhausen; considerably below the freezing point in most parts of Russia, Germany, Austria and also in Central Sweden, and very little above it in the east of Scotland.

Wind moderate to fresh from the south in the west of our Islands, but light from the north or southwest in all other parts of the United Kingdom. Southerly in Germany, Denmark, Sweden and Finland; easterly in the west and south of Norway. Light from the north in the south of Russia, variable in Austria and Italy, northeasterly in Spain and the south of France, light from the westward in Algeria. Subsequently increasing to a moderate or fresh gale from the south in some parts of our south and southwest coasts but veering to the southwest later and subsiding.

Barometer highest 30.5 inches and upwards over Central Russia, 30.3 inches and upwards in a long band extending from Russia and Austria to northern Italy and the south of France. 30.4 inches and upwards in another anticyclone over Portugal. Lowest 29.6 inches and less in a depression off the east of Ireland. Gradients rather steep over our southwest coasts. Depression in west subsequently moving northwards, but small secondary disturbance advancing northeastwards over 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.

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for 8 a.m. on

Wednesday, 17<sup>th</sup> January,

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

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	BAROM.	TEMP.	WIND.		Weather.	Force (0 to 12).	BAROMETER.		SHADE TEMP.			WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Max.	Min.									
Ina.	°		Ina.	°	°	°				°	Ina.									
SCANDINAVIA.																				
Haparanda ...	29.70	23	Z.	0	0	29.78	+0.7	1	1	-30	Z.	0	f	+	0	32	?	0.24		
Hernösand ...	29.75	19	Z.	0	bc	29.86	+1.25	6	5	-23	Z.	0	f	+	bc	30	?	-		
Stockholm ...	29.87	36	SW	2	0	29.88	+0.7	36	35	0	SW	2	f	+	0	39	30	0.04		
Wisby ...	29.96	36	SW	6	0	29.96	-0.1	36	35	0	SW	6	f	+	0	39	28	-		
Bodö ...	29.76	29	E	2	b	29.77	+0.8	30	26	-3	E	2	bc	+	b	33	27	-		
Christiansund...	29.65	37	ESE	1	bc	29.49	-1.9	39	38	0	ESE	1	0	3	bc	39	36	-		
Skudesnaes ...	29.56	43	SSE	8	0	29.50	-1.6	43	43	+5	SSE	6	f	5	fr. o	43	38	-		
Christiania Fjord (Frier)	29.73	36	SSE	2	f	29.71	-0.7	36	36	-1	S	4	m	3	f	37	36	-		
Skagen (The Scaw)	29.79	39	WSW	3	0	29.71	-1.3	39	37	+2	SSW	3	r	1	0	39	36	0.28		
Faro ...	29.83	36	SW	4	f	29.75	-1.0	36	36	+1	SSW	4	f	+	f	36	34	0.04		
Sumburgh Head	29.30	43	ESE	3	r	29.24	-2.2	42	42	+1	Z.	0	bc	4	0.7	44	40	0.15		
Stornoway ...	29.20	45	W	4	c	29.10	-0.4	39	39	-4	Z.	0	0	3	0.0	46	37	0.10		
Wick ...	29.21	43	S	2	0	29.16	-1.3	43	43	+1	SSE	1	0	3	c	45	40	0.12		
Nairn ...	29.28	47	WSW	1	bc	29.12	-1.6	41	40	-1	Z.	0	r	1	bc	50	39	0.05		
Aberdeen ...	29.37	45	S	2	0	29.20	-2.2	44	43	+1	SSE	4	oggr	4	c.0	49	40	0.07		
Leith ...	29.42	47	WSW	3	bc	29.23	-2.1	46	43	-2	WSW	2	c	+	bc	52	44	0.06		
Shields ...	29.54	48	SSW	2	cp	29.34	-2.8	47	44	+3	SSW	3	c	2	o.p.r	50	41	0.02		
Spurn Head ...	29.68	46	SSW	3	0	29.48	-2.8	46	45	+5	SSW	4	op	3	c.07	46	39	0.04		
York ...	29.63	49	S	3	0	29.44	-2.9	48	46	+6	SW	3	bc	+	0	51	42	0.12		
Loughborough	29.73	49	SW	3	c	29.55	-2.5	49	47	+6	SW	4	bc	+	c.p	50	42	0.05		
ISLANDS.																				
Ardrossan ...	29.44	47	SW	4	bcp	29.20	-2.6	46	45	-1	S	5	om	4	o.bcp	47	45	0.22		
Malin Head ...	29.39	46	SW	5	bp	29.13	-2.2	44	43	-4	SSW	4	op	2	o.bp	48	43	0.21		
Mullaghmore ...																				
Belmullet ...	29.45	46	SSW	3	b	29.14	-3.3	46	44	-3	W	4	c	+	cp.b.c	50	44	0.76		
Donaghadee ...	29.53	45	SSW	4	b	29.27	-2.9	44	44	-1	SSW	6	b	4	b	49	43	0.07		
BRITISH ISLANDS.																				
Liverpool (Bidston)	29.65	50	SW	3	0	29.45	-2.8	48	45	0	S	3	0	3	0	51	47	0.05		
Holyhead ...	29.61	48	SSW	4	c	29.40	-2.7	47	46	-1	SSW	5	cm	4	ogm.c	49	46	0.11		
Parsonstown ...	29.57	48	Z.	0	0	29.34	-2.8	46	42	-4	SW	2	om	+	0	52	42	0.10		
Valencia ...	29.56	52	SW	5	ogm	29.39	-2.7	45	44	-6	SW	6	c.c	6	ogm	53	45	0.16		
Roche's Point	29.68	50	WSW	5	om	29.44	-2.9	50	48	0	WSW	5	0	4	om	52	47	0.20		
Pembroke (St. Ann's Hd.)	29.73	48	SW	4	c	29.52	-2.5	48	45	0	WSW	5	cg	5	c	49	47	0.50		
Scilly ...	29.82	51	SW	4	om	29.65	-2.3	51	50	+1	SW	5	om	5	om	52	49	0.02		
Prawle Point ...	29.86	49	WSW	4	f	29.69	-2.4	48	48	+1	WSW	5	0	4	f.d	49	47	0.06		
Jersey (St. Aubin's)																				
Hurst Castle ...	29.87	48	SW	4	f	29.70	-2.0	48	47	+3	WSW	5	om	4	f	48	44	0.08		
Dungeness ...	29.89	47	WSW	5	0	29.73	-1.7	47	47	+2	WSW	6	r	4	c.0	48	44	0.05		
North Foreland	29.88	48	SW	4	og	29.71	-2.1	49	48	+3	SW	5	ogpp	3	c.og	50	44	0.02		
London ...	29.85	49	SW	2	0	29.67	-2.2	50	48	+6	SSW	3	0	+	c.opd	51	43	0.01		
Oxford ...	29.80	50	SSW	3	0	29.61	-2.6	50	48	+6	SW	4	0	+	0.1	51	44	0.01		
Cambridge ...	29.81	49	S	4	c	29.61	-2.4	50	49	+8	SSE	6	r	+	c	51	40	0.01		
Yarmouth ...	29.80	46	SSW	4	c	29.64	-2.0	47	46	+4	SW	4	c	4	bc.c	47	39	0.01		
GERMANY & HOLLAND.																				
Cuxhaven ...	29.97	40	SW	2	f	29.91	-1.2	40	40	+2	SSW	2	f	+	f	41	38	0.02		
Berlin ...	30.09	38	SSW	1	0	30.04	-1.5	37	36	+2	SSW	1	r	+	0	41	35	-		
Wiesbaden ...						29.94	-2.9	36	36	+3	Z.	0	r	+	+	41	33	0.20		
Munich ...	30.24	23	S	2	bc	30.17	-1.5	29	29	+9	SE	2	c	+	bc	32	19	-		
The Helder ...	29.89	39	SSW	5	c	29.78	-1.5	42	41	+4	SSW	6	f	3	c	47	37	-		
FRANCE AND BELGIUM.																				
Brussels (B.M.)	*	*	*	*	*	29.90	-1.3	44	44	+4	S	5	r	+	0	44	40	0.04		
Cape Gris Nez	29.91	44	SW	4	0	29.77	-1.4	45	45	+3	SW	5	f	+	0	46	37	0.12		
Paris ...	30.09	45	S	4	0	29.99	-1.2	47	46	+6	S	3	0	+	0	47	?	0.08		
Brest ...	?	49	WSW	3	f	?	?	50	50	+1	SW	3	m	3	f	53	48	-		
Lorient ...	30.04	50	SW	1	0	29.91	-1.5	50	50	+2	SW	5	0	5	0	55	46	-		
Rochefort ...	?	49	WSW	3	f	30.08	-1.2	49	49	+3	WSW	3	f	+	f	52	46	0.28		
Belfort ...	?	39	W	1	0	?	?	37	34	+3	S	3	0	+	0	46	34	-		
Lyons ...	30.28	40	W	1	r	30.20	?	39	38	+3	SSW	1	0	+	r	44	37	0.04		
Nice ...	30.28	41	E	2	bc	30.26	-0.9	40	36	+3	E	1	c	2	bc	50	37	-		
Perpignan ...	30.32	44	Z.	0	0	30.26	-1.0	39	38	+5	SW	1	0	+	0	51	34	-		
Biarritz ...	30.24	53	W	5	r	30.19	-0.8	53	51	+5	SSW	3	f	3	r	54	48	0.28		
PENINSULA.																				
Corunna ...	*	*	*	*	*											*				
Lisbon ...	30.47	53	WSW	3	b	30.43	-0.4	54	53	+5	SW	2	0	+	b	57	49	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday, 17<sup>th</sup> Jan: 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

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

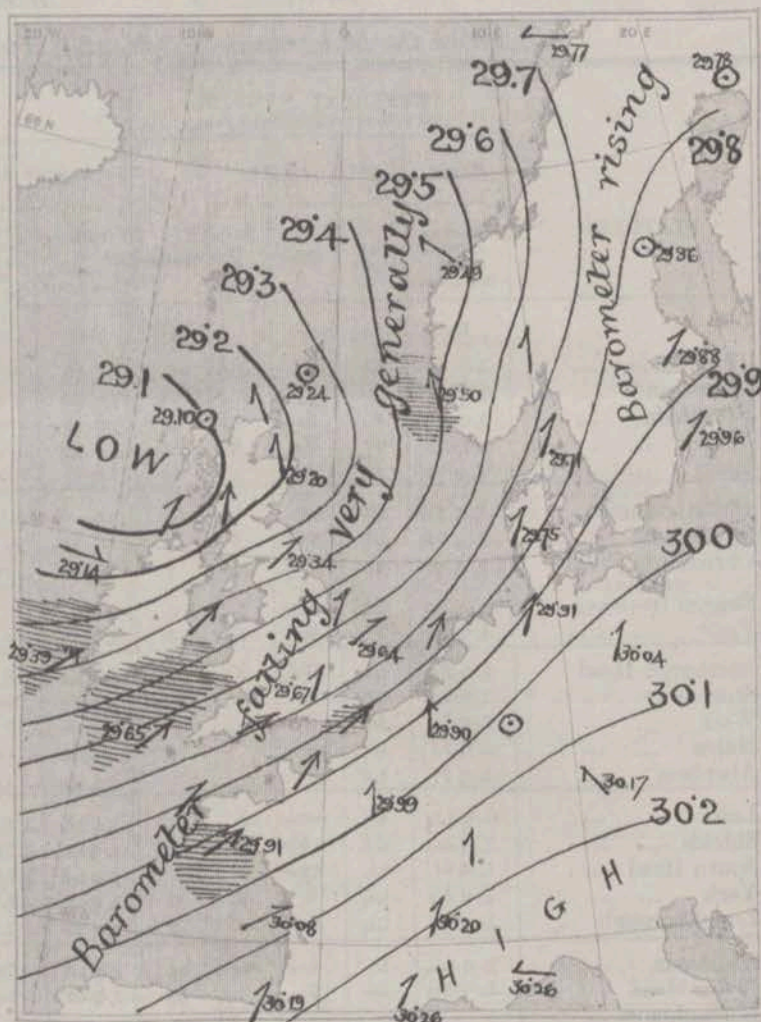
**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough, ▩ = High.

## MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of January.  
During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.710
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrossan	29.878
Mullachmore	29.817
Donaghadee	29.850
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.935
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.969
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.990
Cambridge	29.983
Yarmouth	29.970



## 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.

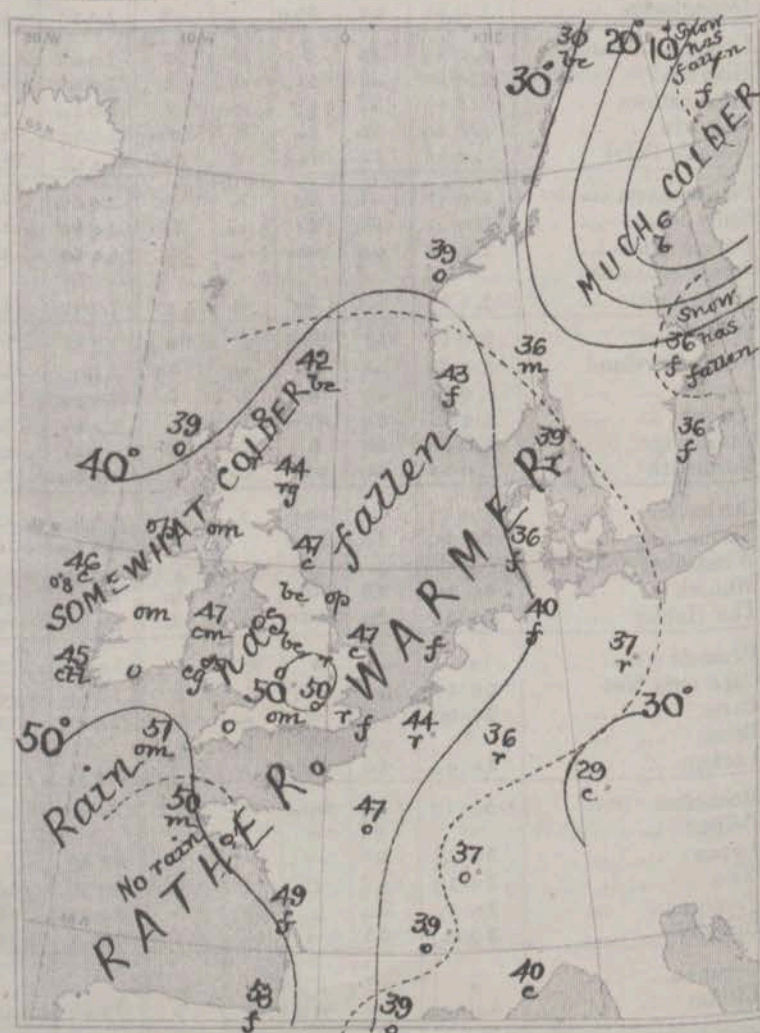
**WEATHER**—is shown by letters of the Beaufort Scale.

**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 January.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Wet Wet.	Dry.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.8	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.90
Aberdeen	42.4	33.2	37.2	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.97
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullachmore	46.1	38.0	41.6	40.4	4.36
Donaghadee	44.4	36.1	40.0	39.2	2.08
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.92
Parsonstown	45.6	34.2	39.0	37.8	2.12
Valencia	49.5	40.4	44.5	43.3	0.60
Roche's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.3	3.75
Sally	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.00
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.8	31.7	36.2	35.4	1.34
Yarmouth	41.5	33.2	37.5	36.7	1.92

**NOTE**—The Temperature means are for the 20 years 1871–90, the Rainfall means are mainly those for the 25 years 1860–90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in: and upwards, over the southern parts of the Spanish Peninsula.

Lowest, 29.1 in: and less, in a depression lying off the west of Scotland.

Gradients moderate. Barometer falling at all but the Swedish stations.

## TEMPERATURE

Highest, 53° at Biarritz and Lisbon, 51° at Lully, 50° at Rocher Point, Oxford, Cambridge, London, Brest, and Louisa.

Lowest, 1° at Haparanda, 6° at Hemösand, 23° at Munich, 30° at Rost, and 36° at Stockholm, Ulsby, Färö, and Kistaboden.

The maxima registered yesterday were a little above 50° in many parts of the United Kingdom.

## WIND

Moderate to strong from the SW<sup>2</sup> over England, Ireland, and France, but calm or light from the SE<sup>2</sup> in the north of Scotland.

S<sup>1</sup> over Denmark, Germany, and the Netherlands; SE<sup>1</sup> in the west of Norway; calm over the northern parts of Sweden.

## WEATHER

Cloudy or overcast in nearly all parts of Western Europe, with rain in many places, and with fog in Sweden, Denmark, Holland, North Germany, and the southwest of France.

Thunder and lightning are reported at Valmiera (Ireland).

Rain fell generally yesterday, the largest amount being 0.8 inch at Helmslet and 0.5 inch at Pembroke. Lunar halos were seen at Spinn H<sup>2</sup> and Androsman.

## SEA

Rather rough on our southwest coasts, as well as at Skudermøns, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change. The depression off the west of Scotland seems likely to move slowly northwards, but low pressure systems are now arriving in such quick succession from the Atlantic that no material improvement in the weather is anticipated.

## FORECASTS

For the 24 hours ending at NOON on 18<sup>th</sup> JANUARY, 1894.

### DISTRICTS.

### FORECASTS.

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

S<sup>2</sup> winds, light or moderate; mild, changeable, some rain.

SW<sup>2</sup> winds, fresh; mild, changeable, some rain.

### DISTRICTS.

### FORECASTS.

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

SW<sup>2</sup> winds, strong; cloudy with occasional rain.

### WARNINGS

At 3.50 pm yesterday to districts 0, 1, and 5 to 10 "Lower Cone".

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.57	42	42	SSW	6	rf	4	Valencia ...	29.66	53	51	SSW	4	cqm	4
Sumburgh Head	29.35	42	41	ESE	3	o	5	Scilly ...	29.86	52	51	SW	5	om	5
Stornoway ...	29.16	46	46	S	2	o	3	Jersey ...				SW	4	om	4
Aberdeen ...	29.36	48	45	SSW	3	c	3	Hurat Castle ...	29.90	47	46	SW	4	o	3
Shields ...	29.57	49	47	SW	2	o	2	Dungeness ...	29.91	47	46	WSW	4	c	3
Ardrossan ...	29.44	47	46	S	5	o	4	North Foreland ...	29.88	50	47	SW	4	c	3
Malin Head ...	29.40	47	46	SW	5	o	3	London (Westminster)	29.87	52	48	S	3	c	3
Mullaghmore ...								Yarmouth ...	29.83	47	46	SW	3	bc	3
Belmullet ...	29.47	49	47	SW	4	bc	4	Rochefort ...	30.15	50	50	WSW	3	f	4
Holyhead ...	29.63	49	49	SSW	5	oqm	4								

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

Weather dull over the greater part of our Islands and the Continent, with rain in the north of Scotland and the west of Norway, as well as over north Germany, and the southwest of Russia. Snow falling at Haparanda, Helsingfors, and Dikshburg, and fog prevailing at some of the Baltic stations. Fine and bright over Italy and the south of Russia, as well as in some parts of Germany. Rain falling over the whole of our Islands during day, - heavily at one or two of the western stations. Lunar halos seen at Spinn Head and Anderson.

Temperatures risen in most countries, - quickly over eastern Germany. Morning readings highest (1) 57° at Corunna, and 54° at Algiers and Malta; (2) 51° at Valencia (Ireland) and 50° at Rochefort and Scilly; above 45° in all the more western parts of the United Kingdom. Lowest - 4° F. at Moscow, - 3° at Kharkov, - 2° at Kiev, and 42° at Nicolaiff, considerably below the freezing point over nearly the whole of Russia and Austria, as well as over northern Italy. Rising during day to 50° or a little above it in many parts of the United Kingdom and France, and reaching 57° at Lisbon.

Wind light to fresh from the S<sup>W</sup> or SW<sup>W</sup> over the greater part of western, northern, and central Europe, but SE<sup>3</sup> or E<sup>3</sup> in the north of Scotland and the west of Norway. Light from the NE<sup>2</sup> in the south of Russia and from the N<sup>2</sup> over Italy and the central parts of Spain. Variable in Algeria and the south of France. No important change occurring during day.

Barometer highest 30.6 in. and upwards over Central Russia; 30.5 in. and upwards over Central Spain, 30.3 in. and upwards over nearly the whole of southern and eastern Europe. Lowest 29.2 in. and less, in a depression lying off the northwest of Scotland. Depression subsequently moving northeastwards, but barometer falling during day in nearly all parts of Western Europe.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on

Thursday, 18<sup>th</sup> January, 1894.

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. Y. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirac.	Force (0 to 12).		Max.
		Inch.	°				Inch.	°	°	°									Inch.
SCANDINAVIA.	Haparanda ...	29.89	6	Z	0	0	29.77	-0.1	15	15	+14	S	2	S	#	0	28	-2	0.08
	Hernösand ...	29.75	25	N	2	f	29.55	-0.2	33	31	+27	Z	0	S	#	0	?	5	-
	Stockholm ...	29.79	36	S	2	0	29.60	-0.2	36	35	0	S	2	f	#	0	37	34	-
	Wisby ...	29.85	36	S	4	0	29.62	-0.2	36	36	0	SSW	4	f	#	0	37	34	-
	Bodö ...	29.60	29	E	4	b	29.49	-0.1	27	24	-3	ENE	6	b	#	0	30	25	-
	Christiansund...	29.43	40	ESE	3	b	29.23	-0.2	37	35	-2	ESE	1	c	3	b	41	36	0.16
	Skudesnaes ...	29.33	43	SSE	6	r	29.14	-0.2	42	40	-1	ENE	1	0	3	b	43	41	-
	Christiania Fjord (Furder)	29.52	36	SSE	4	r	29.25	-0.3	35	35	-1	SSE	6	r	3	r	36	?	-
	Skagen (The Seaw)	29.55	39	SW	4	r	29.22	-0.3	39	39	0	S	3	m	1	r	39	37	0.35
	Fanö ...	29.45	37	S	6	r	29.28	-0.2	36	36	0	SW	4	c	#	r	37	36	0.39
BRITISH ISLANDS.	Sumburgh Head	29.04	41	Z	0	0	29.00	-0.4	42	42	0	E	1	0	3	r, 0	44	40	0.39
	Stornoway ...	29.07	41	W	2	c	29.14	+0.4	41	40	+2	W	3	c	3	c	43	35	0.10
	Wick ...	28.98	42	S	1	0	29.04	-0.2	41	41	-2	W	2	r	2	0	45	39	0.40
	Nairn ...	29.04	42	W	1	r	29.13	+0.1	42	41	+1	W	2	r	1	r	45	38	0.16
	Aberdeen ...	29.10	43	SSW	3	og	29.14	-0.6	42	38	-4	W	3	c	2	c, og, p	47	37	0.03
	Leith ...	29.11	45	WSW	3	c	29.22	-0.1	41	39	-2	WSW	3	b	#	c	48	39	-
	Shields ...	29.21	44	SSW	3	bc	29.29	-0.8	42	41	-1	SW	2	c	2	p, c, r	50	39	0.05
	Spurn Head ...	29.31	42	SSW	3	r	29.36	-0.5	41	40	-1	SW	3	c	2	c, r	48	39	0.20
	York ...	29.28	42	SW	1	bc	29.35	-0.7	43	42	-1	SW	1	bc	#	bc	51	40	0.16
	Loughborough	29.38	44	WSW	2	bc	29.41	-0.3	40	39	-1	WSW	2	bcw	#	r, bc	54	40	0.14
GERMANY & HOLLAND.	Ardrossan ...	29.10	45	SSW	3	0	29.26	+0.6	45	44	-1	WSW	3	cm	3	opm	46	43	0.07
	Malin Head ...	29.08	43	W	2	opa	29.29	+0.6	44	43	0	W	4	Op	2	o, dip	44	42	0.09
	Mullaghmore ...	29.23	46	W	3	bc	29.49	+0.3	46	44	-2	WSW	3	0	#	op, bc	48	44	0.13
	Belmullet ...	29.17	47	SW	5	0	29.38	+0.6	42	42	-	W	4	bc	2	op, 0	47	41	0.01
	Liverpool (Bidston)	29.27	48	SW	4	0	29.38	-0.7	43	41	-2	WSW	4	0	#	0	50	41	0.14
	Holyhead ...	29.28	46	SW	6	q	29.39	-0.1	45	44	-1	W	6	cq	5	ogp	48	43	0.13
	Parsonstown ...	29.26	43	SW	2	b	29.50	+0.6	45	42	-3	SW	1	b	#	b, c	48	41	0.11
	Valencia ...	29.40	48	WSW	2	bc	29.68	+0.2	48	46	-2	W	4	c	#	c, op, m	51	45	0.22
	Roche's Point	29.36	47	W	5	bc	29.64	+0.2	44	42	-2	W	1	b	3	l, p, bc	51	43	0.15
	Pembroke (St. Ann's Hd.)	29.38	48	WSW	5	c	29.54	+0.2	47	47	-	WSW	5	b	5	c	48	45	0.31
FRANCE AND BELGIUM.	Scilly ...	29.55	50	WSW	5	cm	29.62	-0.3	49	47	-2	WSW	6	c	6	cm, op, m	52	47	0.14
	Prawle Point ...	29.56	47	WSW	4	bc	29.58	-0.1	47	43	-4	WSW	3	bc	2	f, bc	49	42	0.04
	Jersey (St. Aubin's)	29.54	46	W	6	c	29.51	-0.3	45	44	-1	W	4	cq	4	o, am, c	49	44	0.03
	Hurst Castle ...	29.54	46	W	6	c	29.51	-0.3	45	44	-1	W	4	cq	4	o, am, c	49	44	0.03
	Dungeness ...	29.53	48	SW	6	r	29.47	-0.6	45	45	-	WSW	3	0	3	r	48	44	0.05
	North Foreland	29.53	50	SW	5	og	29.46	-0.7	45	44	-1	SW	3	og	2	ogp	50	39	0.03
	London ...	29.49	47	SW	4	og	29.47	-0.2	45	43	-2	WSW	2	0	#	ot, bc	51	44	0.15
	Oxford ...	29.44	45	SW	3	0	29.48	-0.4	43	42	-1	SW	1	c	#	opq	52	42	0.12
	Cambridge ...	29.42	47	SSW	4	c	29.45	-0.3	40	40	-	S	2	c	#	c	54	39	0.03
	Yarmouth ...	29.43	44	SSW	4	r	29.42	-0.2	42	41	-1	SW	3	cm	3	p, c, q	50	40	0.08
PENINSULA.	Cuxhaven ...	29.75	44	S	3	r	29.44	-0.3	43	43	-	SSW	3	0	#	r	44	40	0.16
	Berlin ...	29.90	38	S	3	0	29.64	-0.3	37	36	-1	S	3	r	#	0	44	36	0.12
	Wiesbaden ...	29.90	38	S	3	0	29.63	-0.3	37	36	-1	S	3	r	#	0	44	36	0.12
	Munich ...	30.05	34	SW	1	0	29.87	-0.2	34	34	-	SSW	5	r	#	0	44	36	0.43
	The Helder ...	29.50	44	SSW	4	r	29.43	-0.7	41	40	-1	SW	5	c	3	r	46	39	0.12
	Brussels (9 a.m.)	29.58	46	SW	4	f	29.47	-0.1	43	42	-1	S	5	r	#	r	49	43	0.71
	Cape Gris Nez	29.58	46	SW	4	f	29.47	-0.1	43	42	-1	SW	4	0	#	f	46	41	0.16
	Paris ...	29.79	51	SSW	4	0	29.58	-0.2	52	49	-3	SSW	5	0	#	0	53	47	0.20
	Brest ...	29.79	49	W	3	r	29.58	-0.2	48	47	-1	WSW	4	c	4	r	50	41	0.95
	Lorient ...	29.75	51	SW	5	r	29.60	-0.1	44	43	-1	WSW	2	r	5	r	52	43	0.79
FRANCE AND BELGIUM.	Rochefort ...	29.99	51	W	5	m	29.72	-0.3	51	51	-	WSW	6	r	#	f, m	54	49	0.16
	Belfort ...	29.99	51	SW	1	f	29.72	-0.3	51	51	-	SW	3	0	#	f	48	37	-
	Lyons ...	30.12	44	S	3	0	29.91	-0.2	46	43	-3	SSW	2	0	#	0	49	39	0.08
	Nice ...	30.19	44	E	2	c	30.10	-0.9	42	41	-1	E	2	0	2	c	50	40	-
	Perpignan ...	30.22	43	NE	1	0	29.88	-0.4	41	41	-	WSW	2	0	#	0	54	38	-
	Biarritz ...	30.08	59	S	4	r	29.78	-0.3	58	51	-7	SW	5	r	#	0	61	52	0.16
PENINSULA.	Corunna ...	30.33	54	SSW	5	0	30.31	-0.2	53	50	-3	WSW	4	b	#	0	57	53	0.12
	Lisbon ...	30.33	54	SSW	5	0	30.31	-0.2	53	50	-3	WSW	4	b	#	0	57	53	0.12

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Thursday, 18<sup>th</sup> January, 1894

## 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:

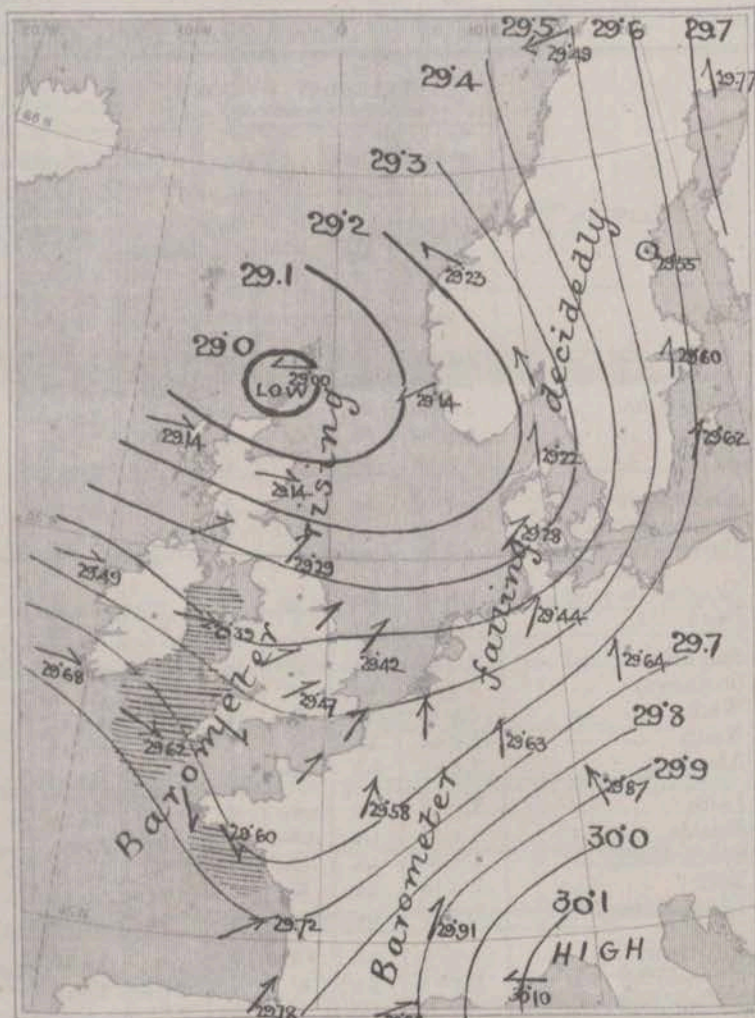
▨ = Rough. ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 29 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrossan	29.938
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.836
Sally	29.969
Prawle Point	30.096
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

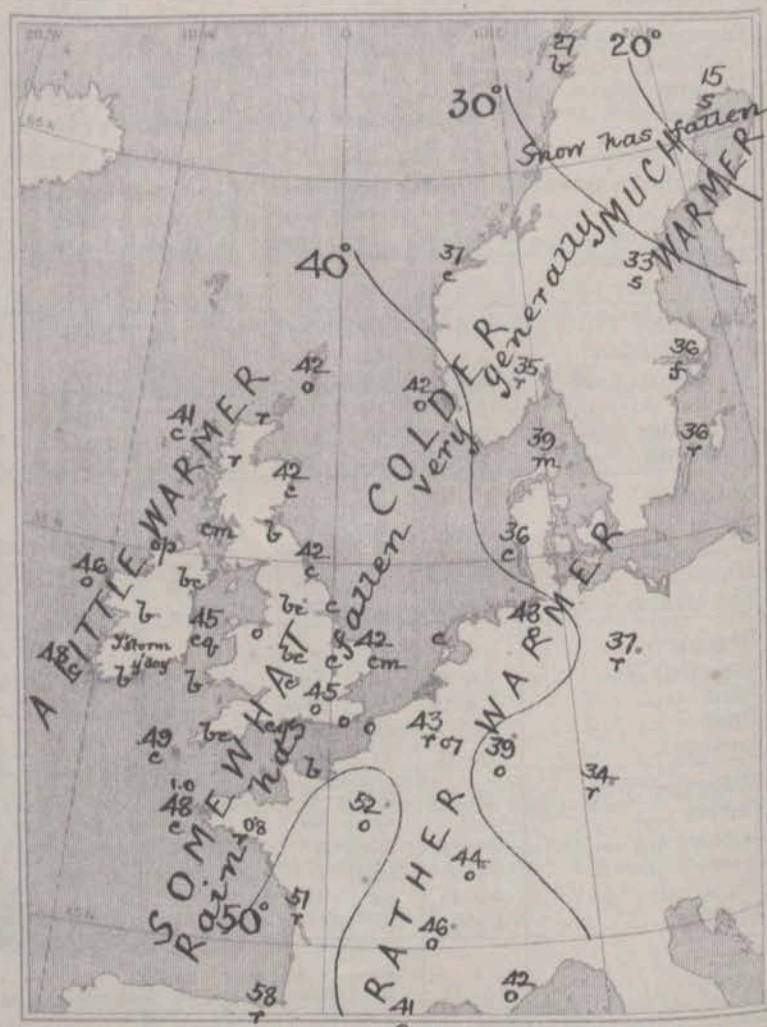
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.36
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.66
Roche's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	46.5	39.6	42.7	41.3	3.75
Seilly	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.5	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.34
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

NOTE.—The Temperature means are for the 29 years 1871–90, the Rainfall means are mainly those for the 25 years 1866–90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.31 in. at Lisbon; 30.10 in. at Nice.

Lowest, 29.0 in. and less, in a small depression lying near the Shetlands.

Gradients slight generally, but rather irregular at most of the Continental stations.

Barometer rising in all parts of the United Kingdom, but falling

## TEMPERATURE

Highest, 53° at Lisbon, 52° at Paris, 51° at Rochefort, 49° at Scilly and 48° at Valencia (Ireland) and Brest.

Lowest, 15° at Haparanda, 17° at Bordeaux, 33° at Helsingfors, 34° at Munich, 35° at London, and 36° at Stockholm and Visby.

The maxima registered yesterday were a little above 50° at several of the English and Irish stations, the highest reading of all being 54° at Loughborough and Cambridge.

## WIND

Light to fresh from the Westward on our western and northern coasts, but Southerly in the east and southeast of our Islands, as well as over France, Denmark, Germany, and the Netherlands.

Easterly in the Shetlands and west of Norway; Southerly in Sweden.

## WEATHER

Fair or fine over the greater part of the United Kingdom, but dull and rainy in the north of Scotland.

Dull at most of the Continental stations, with rain in Belgium, Germany and the west of France, as well as at Frederic, Sme in falluig in Sweden.

Rain fell yesterday in nearly all parts of Western Europe, the largest amounts being 1.0 inch at Brest, 0.8 inch at Lorient, and 0.7 inch at Bussière. A thunderstorm was experienced in the neighbourhood of Rocher. Lunar halos were seen at several of the English stations.

## SEA

Rough at Scilly, and rather rough at Holyhead, Pembroke and Lorient, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of the approach of any fresh depressions. Westerly winds and fair weather are therefore likely to continue for a time over the greater part of the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 19<sup>th</sup> JANUARY, 1894

### DISTRICTS.

### FORECASTS.

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

W<sup>ly</sup> to NW<sup>ly</sup> winds, moderate; changeable, some showers.

Same as N°5.

SW<sup>ly</sup> to W<sup>ly</sup> winds, moderate; fair, cool.

### DISTRICTS.

### FORECASTS.

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

W<sup>ly</sup> 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. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.43	43	43	SE E	6	1	5	Valencia ...	29.35	50	48	SW	7	c q p	6
Samburgh Head ...	29.12	44	43	SE	3	7	4	Scilly ...	29.48	51	49	W S W	6	c p	5
Stornoway ...	29.09	43	43	SE	0	C	3	Jersey ...							
Aberdeen ...	29.11	45	42	S	3	C	4	Hurst Castle ...	? 29.63	48	47	W S W	6	o am	5
Shields ...	29.26	48	45	SW	8	cp	2	Dungeness ...	29.62	48	48	W S W	6	1	5
Ardrossan ...	29.14	45	44	S	4	opm	3	North Foreland ...	29.63	50	49	SW	5	o	3
Malin Head ...	29.08	44	43	SW	5	o	3	London (Westminster)	29.56	52	49	SW	2	o am	
Mullaghmore ...								Yarmouth ...	29.64	50	48	SW	4	c	4
Belmullet ...	29.15	48	46	W	4	bc		Rochefort ...	? 30.07	49	49	W S W	4	1	
Holyhead ...	29.30	45	44	SW	4	o p	3								

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

Weather cloudy or overcast in nearly all parts of our Islands and the Continent, with rain at several of our own stations as well as at Skagen, Brest and Leghorn, and with snow over northern Russia. Fog very prevalent over Holland, Denmark, the south of Sweden and the southwest of France. Sky clear in the south of Russia, and also in some parts of Italy and Austria. Rain falling during day over nearly the whole of western Europe, — heavily in Belgium and the west of France. Thunderstorm experienced at Rochefort in morning; lunar halos seen at several of the English stations.

Temperature fallen a little in the northwest of our Islands and rapidly in Sweden, but risen in most other localities. Morning readings highest (1) 54° at Maastricht, 53° at Rhenitz and Lieben, and 51° at Algiers; (2) 51° at Scilly (ranging between 45° and 55° at most of the English and Irish stations). Lowest — 15° Fahr. at Kharlov, — 2° at Kiev, +1° at Haparanda, and 6° at Heringsand and Moscow, below the freezing point in several parts of Germany and Austria, as well as over northern Italy. Rising during day to between 50° and 54° in many parts of England, Ireland and France, and reaching 57° at Lieben.

Winds moderate to strong from the SW<sup>nd</sup> over England, Ireland, and France, from the S<sup>nd</sup> over Denmark, Germany, and the Netherlands and from the SE<sup>nd</sup> in the west of Norway. Variable over the central and southern parts of Russia; N<sup>th</sup> or NW<sup>th</sup> in Italy, variable in the south of France, S<sup>th</sup> in Algeria. SW<sup>ly</sup> breeze increasing somewhat later on our southern coasts, but wind veering to the W<sup>nd</sup> in Ireland.

Barometer highest 30.6 ins. and upwards in a large anticyclone lying over the southern parts of Russia; 30.4 ins. and upwards in another system over Algeria and the south of Spain. Lowest 29.1 ins. and less, in a depression off the coast of Scotland. Depression subsequently moving eastwards, and barometer beginning to rise on our western coasts.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on

Friday, 19<sup>th</sup> January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. Y. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
				Reading at 29° F. and Sea Level.	Dry Bulb.		Dir.	Force (0 to 12).	Reading at 29° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dir.	Force (0 to 12).		Max.
		Ina.	°				Ina.	°	°	°									Ina.
SCANDINAVIA.	Haparanda ...	29.56	19	E	2	o	29.32	- .45	31	31	+ 16	Z	0	S	†	0	31	7	0.16
	Hernösand ...	29.30	33	SE	4	S	29.31	- .24	33	33	0	SE	2	f	†	0	34	25	0.32
	Stockholm ...	29.35	36	S	2	r	29.30	- .30	39	37	+ 3	SW	2	0	†	0	37	32	0.16
	Wisby ...	29.45	36	ESE	4	r	29.45	- .17	37	37	+ 1	SSW	4	bc	†	0	37	34	0.20
	Bodö ...	29.33	30	ESE	5	b	29.29	- .20	34	31	+ 7	NE	2	c	†	0	?	23	-
	Christiansund...	29.17	39	SW	1	b	29.33	+ .10	39	38	+ 2	Z	0	r	†	0	41	37	0.08
	Skudesnaes ...	29.23	41	S	3	o	29.43	+ .29	42	40	0	NW	2	c	†	0	43	37	-
	Christiania Fjord (Fjorder)	29.17	35	W	2	o	29.26	+ .01	35	35	0	WSW	4	0	†	0	37	34	-
	Skagen (The Scaw)	29.30	40	W	2	bc	29.35	+ .13	40	39	+ 1	W	3	0	†	0	41	37	0.08
	Farö ...	29.43	37	SW	4	c	29.50	+ .22	39	38	+ 3	W	6	c	†	0	39	36	0.04
BRITISH ISLANDS.	Sumburgh Head	29.20	42	N	1	o	29.44	+ .44	42	42	0	Z	0	0	†	0	44	37	0.01
	Stornoway ...	29.36	42	NW	4	r	29.36	+ .22	43	43	+ 2	SEE	5	0	†	0	44	36	0.06
	Wick ...	29.33	42	W	2	bc	29.47	+ .43	38	37	- 3	S	2	bc	†	0	44	37	0.05
	Nairn ...	29.36	42	W	1	c	29.50	+ .37	37	36	- 5	WSW	1	c	†	0	50	34	0.01
	Aberdeen ...	29.34	42	W	4	bc	29.58	+ .44	35	35	- 7	S	1	bc	†	0	46	33	-
	Leith ...	29.43	42	WSW	3	bc	29.62	+ .40	42	39	+ 1	WSW	2	m	†	0	47	38	-
	Shields ...	29.43	45	SW	2	bc	29.71	+ .42	39	37	- 3	SW	2	m	†	0	47	37	-
	Spurn Head ...	29.50	42	WSW	2	b	29.79	+ .43	39	37	- 2	SW	2	W	†	0	47	37	-
	York ...	29.50	45	W	4	bc	29.78	+ .43	40	40	- 1	S	1	c	†	0	48	34	-
	Loughborough	29.60	44	W	3	c	29.85	+ .44	42	40	+ 2	WSW	2	c	†	0	48	40	0.01
GERMANY & HOLLAND.	Ardrossan ...	29.49	46	W	4	qsp	29.60	+ .34	44	43	- 1	SEE	3	oamp	†	0	46	42	0.04
	Malin Head ...	29.55	45	NW	5	op	29.45	+ .16	46	44	+ 2	S	5	0	†	0	46	42	0.02
	Mullaghmore ...																		
	Belmullet ...	29.70	46	W	4	bc	29.41	- .08	48	47	+ 2	SW	7	oau	†	0	48	44	0.02
	Donaghadee ...	29.58	45	NW	5	b	29.62	+ .29	43	43	+ 1	SSW	5	bc	†	0	48	41	-
	Liverpool (Bldston)	29.59	44	W	6	o	29.79	+ .41	46	44	+ 3	SW	2	0	†	0	46	43	-
	Holyhead ...	29.64	46	W	5	bc	29.75	+ .36	46	46	+ 1	SW	5	og	†	0	48	43	-
	Parsonstown ...	29.74	44	Z	0	b	29.65	+ .15	47	45	+ 2	S	1	0	†	0	49	41	-
	Valencia ...	29.86	48	W	3	cm	29.64	- .04	50	49	+ 2	S	5	0	†	0	50	45	0.02
	Roche's Point	29.80	47	WSW	3	b	29.76	+ .12	49	48	+ 5	SW	5	0	†	0	50	43	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.73	47	W	5	b	29.84	+ .30	47	46	0	SW	4	cq	†	0	48	45	-
	Scilly ...	29.86	49	WNW	6	b	29.93	+ .31	49	48	0	SSW	5	c	†	0	50	47	-
	Prawle Point ...	29.83	46	NW	3	bc	29.97	+ .39	46	46	+ 2	WSW	3	bc	†	0	50	42	-
	Jersey (St. Aubin's)																		
	Hurst Castle ...	29.75	46	WNW	4	b	29.97	+ .46	45	44	0	W	3	c	†	0	49	42	-
	Dungeness ...	29.65	45	WNW	4	c	29.95	+ .48	40	39	- 5	W	3	bc	†	0	48	39	-
	North Foreland	29.63	45	NW	3	bc	29.93	+ .47	39	38	- 6	W	4	b	†	0	48	38	-
	London ...	29.66	46	WNW	2	c	29.94	+ .47	39	38	- 6	SW	1	b	†	0	49	37	-
	Oxford ...	29.73	43	WSW	3	o	29.93	+ .45	40	39	- 3	SW	3	c	†	0	49	39	-
	Cambridge ...	29.63	45	SSW	3	b	29.91	+ .46	35	35	- 5	SEE	2	c	†	0	50	34	-
PENINSULA.	Yarmouth ...	29.55	45	W	4	bc	29.86	+ .44	38	37	- 4	WSW	3	bc	†	0	46	36	-
	Cuxhaven ...	29.51	43	SW	3	o	29.70	+ .26	40	40	- 3	WSW	5	0	†	0	44	40	-
	Berlin ...	29.60	41	S	1	r	29.79	+ .15	39	39	+ 2	SW	3	0	†	0	43	37	0.28
	Wiesbaden ...						29.99	+ .36	41	39	+ 2	SW	2	0	†	0	45	37	0.12
	Munich ...	29.78	37	SW	2	c	30.07	+ .20	35	35	+ 1	SW	4	0	†	0	43	34	0.08
	The Helder ...	29.61	40	SW	2	bc	29.84	+ .41	40	39	- 1	SW	3	c	†	0	44	39	-
	Brussels (a.m.)						29.99	+ .45	41	40	- 2	WSW	3	0	†	0	44	40	0.16
	Cape Gris Nez	29.64	45	WNW	5	o	29.92	+ .43	42	41	- 2	W	4	bc	†	0	46	41	-
	Paris ...	29.82	45	WNW	3	o	30.10	+ .52	39	38	- 13	S	2	0	†	0	53	39	0.32
	Brest ...		49	NW	3	bc	?	?	49	48	+ 1	WSW	4	c	†	0	59	43	0.04
FRANCE AND BELGIUM.	Lorient ...	29.96	46	W	5	bc	30.12	+ .52	48	47	+ 4	WSW	4	c	†	0	50	43	-
	Rocheport ...	29.98	46	NW	5	b	30.20	+ .48	45	44	- 6	WNW	3	c	†	0	52	43	0.16
	Belfort ...		45	S	2	o	?	?	43	42	- 1	S	3	0	†	0	49	37	0.04
	Lyons ...	29.79	43	S	2	r	30.19	+ .28	40	37	- 6	NW	2	bc	†	0	53	39	0.28
	Nice ...	29.97	44	ESE	2	r	29.98	- .12	43	43	+ 1	Z	1	r	†	0	46	42	2.48
	Perpignan ...	29.89	51	NW	5	o	30.17	+ .29	47	42	+ 6	NW	4	b	†	0	55	41	-
	Biarritz ...	30.06	52	NW	6	r	30.23	+ .30	51	48	- 7	NW	3	bc	†	0	58	45	0.32
	Corunna ...																		
	Lisbon ...	30.40	51	NW	3	b	30.39	+ .08	50	47	- 3	WNW	3	c	†	0	57	48	-

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Friday, 19<sup>th</sup> January, 1894

## 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:

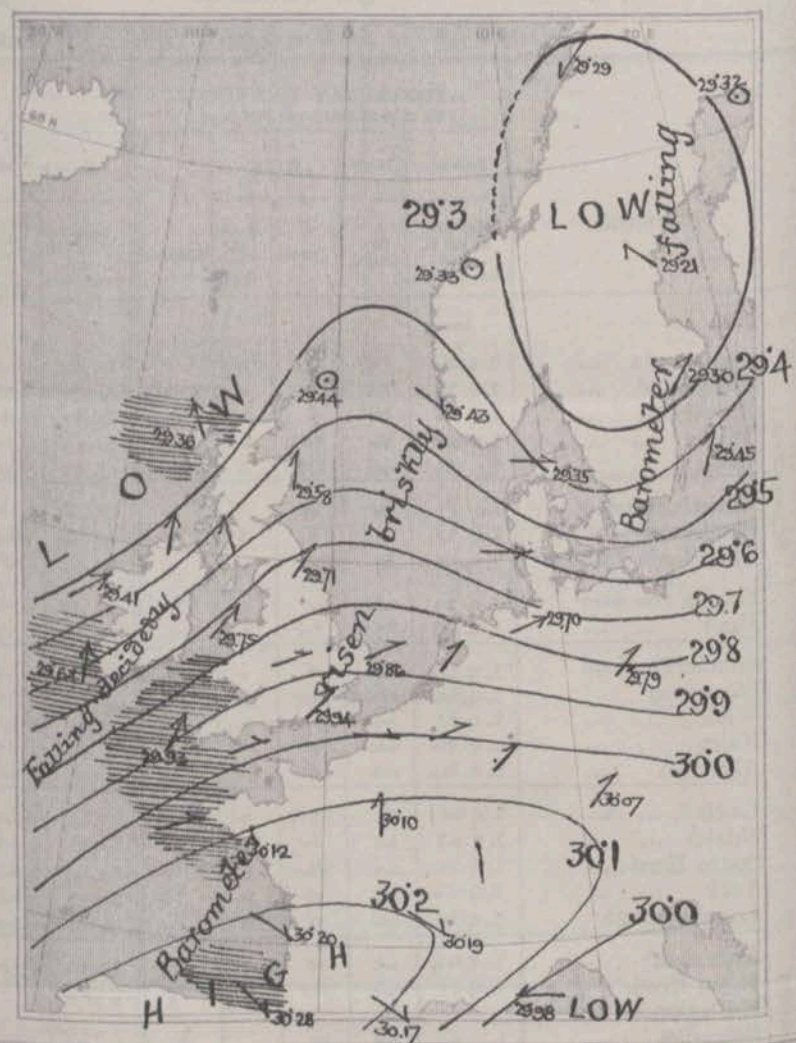
— Rough. — High.

### MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.	
	1871-1890.	1894.
Sumburgh Head	29.675	29.675
Stornoway	29.682	29.682
Wick	29.719	29.719
Nairn	29.745	29.745
Aberdeen	29.787	29.787
Leith	29.825	29.825
Shields	29.881	29.881
Spurn Head	29.920	29.920
York	29.932	29.932
Loughborough	29.967	29.967
Ardrossan	29.938	29.938
Mullaghmore	29.817	29.817
Donaghadee	29.856	29.856
Holyhead	29.902	29.902
Liverpool	29.924	29.924
Parsonstown	29.895	29.895
Valencia	29.887	29.887
Roche's Point	29.905	29.905
Pembroke	29.936	29.936
Silly	29.909	29.909
Prawle Point	30.006	30.006
Jersey	30.022	30.022
Hurst Castle	30.002	30.002
Dover	30.012	30.012
LONDON	30.008	30.008
Oxford	29.999	29.999
Cambridge	29.993	29.993
Yarmouth	29.979	29.979



## 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.

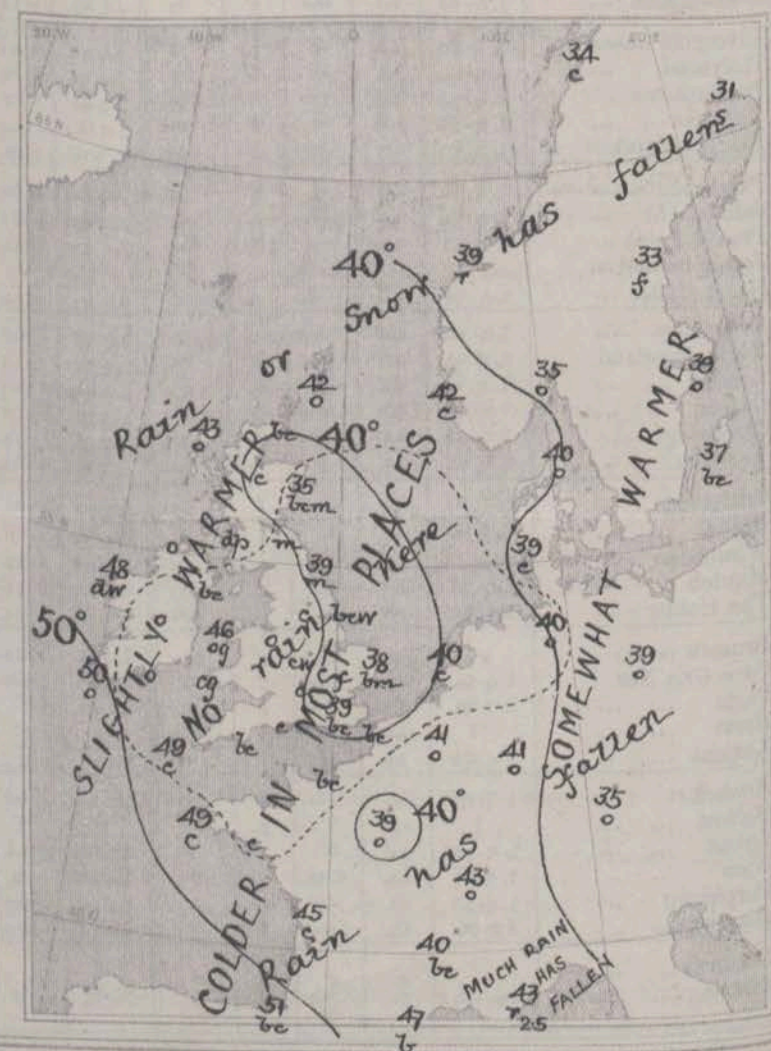
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.36
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.69
Roche's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.5	42.7	41.3	3.75
Silly	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in: and more over the Spanish Peninsula, and exceeding 30.0 in: over the whole of France.  
 Lowest, 29.3 in: and less, over the greater part of Scandinavia, and below 29.4 in: off our extreme northwestern coasts.  
 Gradient slight in the south, moderate, but decreasing in the east, moderate, but increasing in the west.  
 Barometer has been falling decidedly in the west since Midnight.

## TEMPERATURE

Highest, 51° at Biarritz, 50° at Valencia (Ireland), 48° at Lorient and Belmullet.  
 Lowest, (1) 33° at Harrogate, 35° at Faeder and Munich; (2) 35° at Cambridge, 38° at Yarmouth, 39° in London.

It is rising at our weather stations and the rise is spreading eastwards. Slight frost occurred on the grass at our inland stations early this morning.

## WIND

W<sup>ly</sup> and SW<sup>ly</sup> moderate to fresh over the eastern part of our area; SW<sup>ly</sup> to S<sup>ly</sup>, fresh to strong, and increasing, in the west. Over the Spanish Peninsula it is light from NW.

## WEATHER

Fine over the midland, eastern, and northeastern parts of Great Britain and in the west of France; fair but very cloudy at the inland Continental stations; dull on our western coasts, with rain at Ardrossan and Belmullet.  
 Much rain is reported at Nice (2.5 in).

## SEA

Rough at the western French stations and on our own southwestern coasts, as well as in the Minch, slight in the southeast, smooth in the northeast.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new series of depressions is encroaching on our western coasts; gales from the southward are probable in those regions, and freshening southwesterly to southerly winds over England, with mild rainy weather generally.

## FORECASTS

For the 24 hours ending at NOON on 20<sup>th</sup> JAN<sup>y</sup> 1894

### DISTRICTS.

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

### FORECASTS.

S<sup>ly</sup> winds, increasing decidedly; milder, becoming rainy.

SW<sup>ly</sup> and S<sup>ly</sup> winds, increasing; milder, fine to rainy.

### DISTRICTS.

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

### FORECASTS.

Strong S<sup>ly</sup> winds or gales; squally, rainy.

Same as Nos 0 to 2.

Same as Nos 6 and 7.

### WARNINGS

At 10 am to districts 0, 6, 7, 9, and 10  
 "HOIST SOUTH CONE."

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.19	42	41	S	1	7	3	Valencia ...	29.79	50	49	W	4	bcm	4
Sumburgh Head	29.11	43	42	2	0	0	3	Scilly ...	29.79	50	48	WNW	6	bc	6
Stornoway ...	29.28	44	43	WNW	4	6	4	Jersey ...							
Aberdeen ...	29.24	45	44	W	3	6c	2	Hurst Castle ...	29.65	48	45	WNW	4	c	4
Shielda ...	29.35	46	43	WSW	3	6c	2	Dungeness ...	29.54	48	47	WNW	3	c	2
Ardrossan ...	29.37	46	45	WSW	4	6cp	3	North Foreland ...	29.55	47	44	WNW	3	c	2
Malin Head ...	29.45	46	44	WNW	5	6	3	London (Westminster)	29.56	50	46	W	3	bcm	3
Mullaghmore ...								Yarmouth ...	29.48	46	44	W	4	bc	3
Belmullet ...	29.64	48	46	WNW	4	6	3	Rochefort ...	29.80	45	44	WNW	5	r	3
Holyhead ...	29.64	46	45	W	5	6c	4								

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

Weather in morning fine and light over the greater part of Russia, central, and southeastern Europe, as well as over the greater portion of the British Islands, foggy, however, at Humantadt and Vienna, rain falling in many parts of France and the extreme north of Scotland and Ireland, snow at Haparanda, Humisund and Piterburg. A little rain at our northern and northwestern stations, in Denmark and Germany, larger quantities over France and a very heavy fall in the Riviera.

Temperature changed little and irregularly in the east and northwest, risen rapidly in many parts of Sweden, Russia and Italy. Morning readings highest 50° to 58° in the extreme south and southwest, 52° at Paris, 49° at Scilly, 46° at Belmullet. Lowest (1) -18° at Arkor, -7° at Odessa, -3° at Humantadt, +15° at Casco; (2) 8° at Archangel, 15° at Haparanda, and much below the freezing point over Russia, Poland and Austria-Hungary generally. Touching 50° in the east and south of our Islands later, as well as at Paris, but falling decidedly over France.

Wind light and anticyclonic over southeastern Europe, light and variable over the Mediterranean; SW<sup>3</sup> rather fresh, over Spain, the north of France, and the Netherlands. S<sup>2</sup> over North Germany, SE<sup>2</sup> to E<sup>2</sup> over Norway, but W<sup>1</sup> to NW<sup>1</sup> over the greater part of the British Islands, and blowing strongly at Holyhead. Varying a little more at our western stations, later, and shifting to NW over France.

Barometer highest (1) 30.5 in: and more to 30.0 in: over the whole of eastern and southeastern Europe, and 30.3 in: and more to 30.0 in: over Algeria, the Mediterranean, and the greater part of the Iberian Peninsula. Lowest, about 29.0 in: in a depression near Lumburg H<sup>o</sup>, and below 29.5 in: over the Netherlands. Rising decidedly over France and the British Islands later, falling in Scandinavia.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on

Saturday, 20<sup>th</sup> January,

1894.

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

Issued by the Meteorological Office, 53, Victoria Street, London. H. A. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETRN.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
	Reading at 52° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 52° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.		Max.	Min.				
Ina.	°					Ina.	°	°	°							Ina.				
SCANDINAVIA.																				
Haparanda ...	29.33	19	NE	2	c	29.51	+19	11	10	- 20	2	0	b	#	c	39	?	-		
Hernösand ...	29.43	26	W	0	bc	29.38	+21	23	22	- 10	2	0	c	#	bc	39	?	-		
Stockholm ...	29.49	35	W	2	0	29.67	+17	30	29	- 9	2	0	c	#	0	41	?	0.04		
Visby ...	29.54	38	W	4	0	29.75	+20	35	34	- 2	W	4	b	#	0	41	34	-		
Bodö ...	29.44	30	W	2	b	29.48	+19	23	21	- 11	NE	2	b	#	b	34	21	-		
Christiansund...	29.53	38	W	1	c	29.35	+02	39	35	- 0	ESE	3	0	4	c	39	36	0.12		
Skudesnaes ...	29.59	42	S	4	0	29.17	-26	43	42	+ 1	SSE	8	4	5	0	43	41	-		
Christiania Fjord (Frier)	29.57	34	W	0	b	29.49	+23	36	36	+ 1	SSE	5	4	2	b	36	34	-		
Skagen (The Scaw)	29.66	37	W	1	b	29.55	+20	37	37	- 3	SW	4	f	1	b	41	36	-		
Fanö ...	29.79	37	W	4	m	29.57	+07	37	37	- 2	SW	6	f	#	m	41	36	0.04		
Sumburgh Head	29.24	43	SSE	4	0	28.88	-64	42	42	- 0	2	0	0	4	0	46	40	0.19		
Stornoway ...	29.01	46	S	8	4	28.78	-58	40	39	- 3	2	0	0	3	0	47	39	0.22		
Wick ...	29.12	44	S	5	0	28.72	-75	41	40	+ 3	2	0	0	1	0	45	36	0.09		
Nairn ...	29.12	48	SW	2	c	28.79	-71	37	36	- 0	W	1	0	1	0	49	36	0.04		
Aberdeen ...	29.30	45	SSE	5	ogq	28.89	-69	42	40	+ 7	S	4	cq	4	og, q	45	34	0.08		
Leith ...	29.27	48	SW	4	0	28.95	-67	43	41	+ 1	SW	5	4	#	0	50	40	0.06		
Shields ...	29.46	47	SW	5	0	29.13	-58	44	42	+ 5	SW	6	cp	2	0	49	32	-		
Spurn Head ...	29.65	44	SSE	3	0	29.35	-44	43	40	+ 4	SW	4	-	3	c, op	47	35	0.03		
York ...	29.63	47	S	3	0	29.29	-49	44	41	+ 2	SW	4	b	#	0	50	42	0.05		
Loughborough	29.69	48	SW	5	0	29.44	-41	44	41	+ 2	SW	4	cq	#	0	50	42	0.17		
ARDROSSAN	29.22	47	S	5	4	28.97	-63	45	43	+ 1	SW	6	om	5	0, r	49	42	0.23		
Malin Head ...	29.09	45	SW	6	0	28.95	-50	43	42	- 3	SW	5	op	3	0	48	42	0.25		
Mullaghmore ...	29.09	47	SW	6	c	29.19	-22	46	43	- 2	W	5	0	#	0, qpl	48	43	0.74		
Belmullet ...	29.25	47	SW	8	4	29.04	-58	42	42	- 1	W	8	bc	6	4	48	42	0.27		
Donaghadee ...	29.25	47	SW	8	4	29.04	-58	42	42	- 1	W	8	bc	6	4	48	42	0.27		
Liverpool (Bidston)	29.52	48	SSE	4	0	29.28	-51	45	41	- 1	SW	6	b	6	0	50	44	0.05		
Holyhead ...	29.40	47	S	7	4	29.25	-50	45	45	- 1	SW	8	ou	7	om, r	48	44	0.24		
Parsonstown ...	29.28	48	S	3	0	29.21	-44	43	41	- 4	SW	6	4	#	0	50	41	0.19		
Valencia ...	29.31	50	SW	6	og	29.48	-16	48	46	- 2	W	7	om	6	rmg, og	52	45	0.19		
Roche's Point	29.42	48	SW	7	4	29.49	-27	45	44	- 4	W	5	4	#	0	50	44	0.25		
Pembroke (St. Ann's Hd.)	29.53	48	W	6	4	29.46	-38	48	44	+ 1	W	6	bc	6	4	49	43	0.36		
Scilly ...	29.60	51	SW	7	m	29.61	-32	49	48	- 0	W	7	cq	6	om	52	48	0.07		
Prawle Point ...	29.79	48	SW	6	4	29.64	-33	46	45	- 0	W	5	m	4	f, d	50	46	0.15		
Jersey (St. Aubin's)	29.84	49	W	6	ogm	29.65	-32	46	45	+ 1	W	6	c	5	om, d, r	49	44	0.10		
Hurst Castle ...	29.84	49	W	6	ogm	29.65	-32	46	45	+ 1	W	6	c	5	om, d, r	49	44	0.10		
Dungeness ...	29.90	46	W	5	c	29.62	-33	46	45	+ 6	W	6	og	6	c	48	39	0.19		
North Foreland	29.90	47	SW	4	og	29.59	-34	47	46	+ 8	SW	5	og	4	c, og	48	38	0.08		
London ...	29.84	48	SW	4	c	29.59	-35	47	45	+ 8	SW	3	0	#	bc, og, d	50	39	0.08		
Oxford ...	29.70	48	S	4	4	29.55	-38	45	42	+ 5	SW	3	c	#	c, r	50	40	0.23		
Cambridge ...	29.77	47	S	6	0	29.52	-39	47	44	+ 12	SW	8	c	#	0	50	34	0.05		
Yarmouth ...	29.81	45	SW	4	b	29.51	-35	46	45	+ 8	SW	5	cq	4	b	46	36	0.04		
Cuxhaven ...	29.88	43	W	4	0	29.75	+05	42	42	+ 2	SW	5	4	#	0	43	40	0.02		
Berlin ...	29.98	42	W	3	0	29.98	+19	39	37	- 0	SW	3	0	#	0	45	39	-		
Wiesbaden ...	30.04	42	W	3	0	30.04	+05	38	37	- 3	SW	1	0	#	0	46	37	-		
Munich ...	30.23	36	SW	4	c	30.18	+11	24	?	- 11	SW	3	b	#	c	39	24	-		
The Helder ...	29.91	40	SW	5	f	29.61	-23	43	42	+ 3	SW	8	0	4	f	43	39	0.12		
BRUSSELS (St. Ann's)	29.79	44	W	4	4	29.79	-20	44	44	+ 3	SW	7	4	#	0	45	40	0.12		
Cape Gris Nez	29.91	43	SW	5	c	29.66	-26	44	43	+ 2	SW	7	4	#	c	46	39	0.24		
Paris ...	30.13	44	SW	3	c	29.92	-18	45	44	+ 6	SW	5	0	#	c	47	39	-		
Brest ...	?	50	SW	4	0	?	?	49	48	- 0	W	4	c	5	0	50	43	0.16		
Lorient ...	30.08	49	SW	5	0	29.84	-28	49	48	+ 1	W	5	0	5	0	52	46	0.32		
ROCHEFORT	30.22	47	SW	2	b	30.08	-12	48	46	+ 3	SW	4	4	#	bc, b	52	41	-		
Belfort ...	?	41	W	1	bc	?	?	?	?	- 3	W	1	b	#	bc	?	?	-		
Lyons ...	30.26	42	W	1	0	30.24	+05	?	32	- 3	S	1	b	#	0	48	33	-		
Nice ...	30.14	47	W	0	0	30.21	+23	45	42	+ 2	E	1	c	2	0	48	41	0.04		
Perpignan ...	30.14	47	W	0	0	30.21	+23	45	42	+ 2	E	1	c	2	0	48	41	0.04		
BIARRITZ	30.24	49	S	3	bc	30.12	-16	48	42	- 3	S	3	0	2	bc	54	43	0.08		
CORUNNA	30.37	53	W	4	0	30.36	-03	52	50	+ 2	S	2	0	#	0	55	50	-		
Lisbon ...	30.37	53	W	4	0	30.36	-03	52	50	+ 2	S	2	0	#	0	55	50	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on *Saturday*, 20<sup>th</sup> Jan: 1894

## 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:

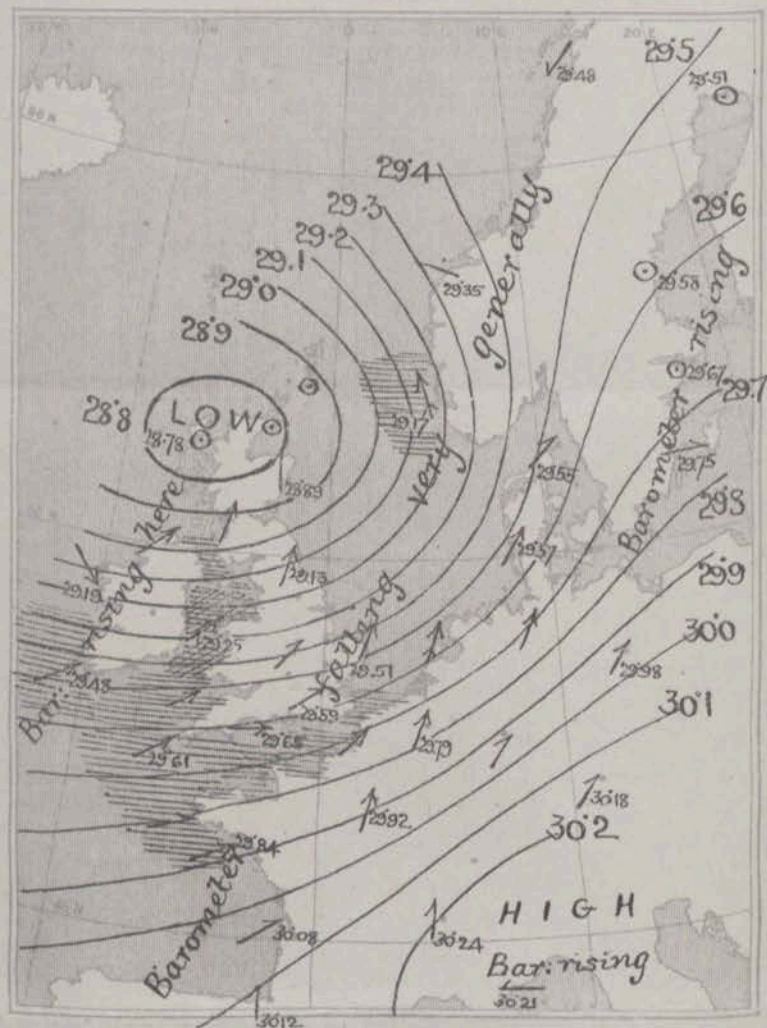
— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumbargh Head	29.075
Stormway	29.082
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Ardrumhan	29.838
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Silly	29.989
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.000
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

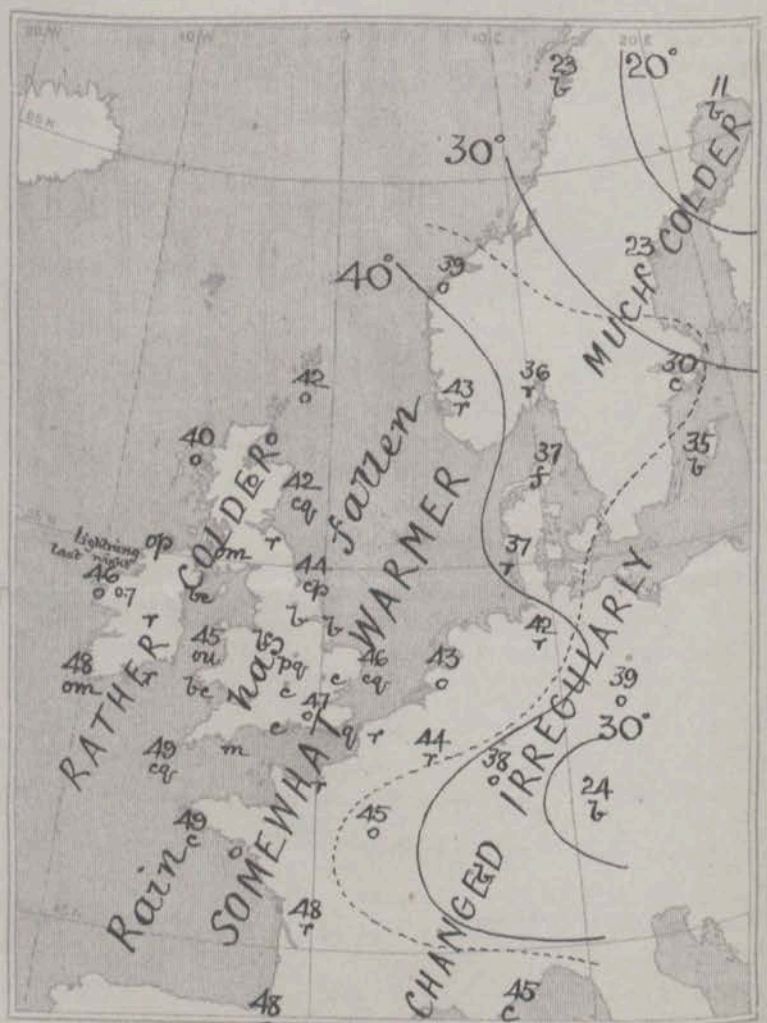
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumbargh Head	42.0	35.0	39.7	38.4	3.72
Stormway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.00
Aberdeen	42.4	33.2	37.3	33.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrumhan	44.2	33.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.36
Donaghadee	41.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.69
Roche's Point	47.7	39.5	43.2	41.9	5.59
Pembroke	45.5	39.6	42.7	41.3	3.75
Silly	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.38
LONDON	41.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.0	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

NOTE.—The Temperature means are for the 20 years 1871–90, the Rainfall means are mainly those for the 35 years 1856–90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.36 ins. at Lisbon; 30.2 ins. and upwards over the southern parts of France.  
 Lowest, 28.8 ins. and less, in a well marked depression lying over the north of Scotland.  
 Gradients rather steep generally, but slight over Scandinavia and also over the south of France.  
 Barometer rising on our western coasts and also in Sweden; falling elsewhere.

## TEMPERATURE

Highest, 52° at Lisbon, 48° at Lillo, Brest, and Lorient, and 48° at Rochefort and Biarritz.  
 Lowest, (1) 11° at Haparanda, 23° at Bodo and Hemönd and 30° at Stockholm; (2) 24° at Munich.  
 The maxima registered over our Islands yesterday ranged in most cases between 45° and 50°.

## WIND

Strong to a gale from the W<sup>nd</sup> or SW<sup>nd</sup> over Ireland, England, and the Netherlands; moderate from the SW<sup>nd</sup> over France and Germany.  
 Calm in the north of Scotland and also in Sweden; SE<sup>nd</sup> in Norway, with a gale at Skudsmo.  
 In the course of the past 24 hours a fresh to strong gale has been experienced on many parts of our western and southern coasts.

## WEATHER

Cloudy and squally over northwestern Europe generally, with rain in many places.  
 Fine in Sweden and also in the southern parts of France and Germany.  
 Since yesterday morning rain has fallen in nearly all parts of the United Kingdom, the quantity being slight in most places, but heavy (0.7 in.) at Skudsmo; lightning was seen at Skudsmo during the night.

## SEA

High at Holyhead and rough on our western and southern coasts generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north seems likely to travel away in a northeasterly direction. The barometer is at present rising in the west, but the general appearance is still very unsettled.

## FORECASTS

For the 24 hours ending at NOON on 21<sup>st</sup> January, 1894

### DISTRICTS.

### FORECASTS.

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

W<sup>nd</sup> winds, freshening; dull, some rain.  
 SW<sup>nd</sup> winds, moderate to strong; changeable, showery.  
 Same as No 5  
 SW<sup>nd</sup> winds, fresh or strong; mild, changeable, some showers.

### DISTRICTS.

### FORECASTS.

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

SW<sup>nd</sup> and W<sup>nd</sup> winds, strong, a gale in places, squally, showery.

### WARNINGS

The SOUTH CONE was hoisted yesterday on all coasts and the signals are still flying.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.58	48	41	HW	2	0	2	Valencia ...	29.39	52	52	S	6	r m	6
Smaburgh Head	29.36	42	41	SE	2	0	3	Scilly ...	29.79	51	50	SSW	7	0	6
Stormoway ...	29.16	47	47	SW	8	r	6	Jersey ...							
Aberdeen ...	29.45	41	40	S	3	0	2	Hurst Castle ...	29.90	45	?	WSW	4	0 2 m	3
Shields ...	29.62	46	44	SW	3	0	2	Dungeness ...	29.94	48	47	W	4	c	3
Ardrossan ...	29.40	47	46	S	4	0	3	North Foreland ...	29.96	48	46	SW	4	c	3
Malin Head ...	29.19	48	46	S	7	0	3	London (Westminster)	29.87	50	47	SSW	3	0	3
Mullaghmore ...								Yarmouth ...	29.86	46	44	WSW	4	6	3
Belmullet ...	29.22	46	45	SW	5	0	5	Rocheport ...	29.25	50	48	WSW	2	6	3
Holyhead ...	29.59	47	47	SSW	6	0 m	5								

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

Weather fair or fine in nearly all parts of the United Kingdom, but dull in the extreme west and north, with drizzling rain in places. Cloudy or overcast at most of the Continental stations, with rain at Nice and Trieste, and with snow in Lapland and at St. Petersburg. Fine in Spain and the south of France (Italian reports all wanting). Rain spreading from the west later to nearly all parts of our Islands; amounts mostly slight, but heavy at Belmullet, where lightning occurred at night.

Temperature fallen in the eastern parts of our Islands and also in France and Spain; risen in most other localities. Morning readings highest 57° at Oran, 56° at Algiers, and 55° at Nemours; ranging between 47° and 50° in the southwest of our Islands. Lowest -12° F. at Kharkov, +1° at Nicolaieff, 11° at Moscow, 13° at Kiev, 16° at Archangel, below the freezing point over the whole of Russia and also in South Germany below 40° in the eastern part of Great Britain. Rising during day to between 45° and 50° in most parts of the United Kingdom, and reaching 52° at Valencia and Seilly.

Wind SW<sup>ly</sup> in the west and north of our Islands, and strong in force in the west of Ireland. Light to moderate from the W<sup>ind</sup> or SW<sup>ind</sup> on our eastern and southern coasts, as well as over Denmark, Germany, and the greater part of France; S<sup>ly</sup> or SE<sup>ly</sup> over Sweden and Russia. Variable in Spain, Algeria, and the south of France. Subsequently increasing to a gale from the S<sup>ly</sup> or SW<sup>ind</sup> in the west and south of our Islands, and freshening considerably in the north and east.

Barometer highest 30.4 ins. and upwards, in an anticyclone over the south of Russia and also in another system over Central Spain. Lowest 29.3 ins. and less, in a large shallow depression over Scandinavia, 29.4 ins. and less, in another system approaching the northwest of our Islands. Former disturbance subsequently moving eastwards, latter system advancing steadily in a northeasterly direction, and barometer falling briskly over the whole of the United Kingdom.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on Sunday 21<sup>st</sup> January.

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																				
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Force	Weather.	Barometer.		Shade Temp.			Wind.		Force	Weather.	Sea	Shade Temp.		Amount of Rainfall.
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac	(0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	(0 to 12).	(0 to 9).	Weather.	Max.	Min.						
Inch.	°			Inch.	°	°	°	°								Inch.				
SCANDINAVIA.																				
Haparanda ...	29.50	3	ENE	2	0	28.95	-.56	30	29	+ 19	S	6	0	#	0	2	-9	0.12		
Hernösand ...	29.24	34	SE	6	S	28.97	-.61	35	34	+ 12	S	4	0	#	5	35	18	0.28		
Stockholm ...	29.41	36	S	2	r	29.21	-.46	37	36	+ 7	SW	2	0	#	r	37	28	0.12		
Wisby ...	29.57	38	SSW	8	r	29.36	-.39	39	38	+ 4	SSW	6	0	#	r	39	32	0.08		
Bodö ...	28.97	3	E	6	S	28.67	-.81	28	25	+ 5	E	4	c	2	5	30	21	-		
CHRISTIANIA.																				
Christiansund...	28.81	41	WSW	2	c	28.80	-.55	43	38	+ 4	SW	4	c	4	c	43	?	0.04		
Skudesnaes ...	29.05	43	SSW	6	0	29.19	+ .02	42	41	- 1	W	6	0	5	0	43	37	-		
Christiania Fjord (Færder)	29.23	38	SSW	6	c	29.13	-.36	37	36	+ 1	WSW	5	6	4	c	?	36	-		
Skagen (The Scaw)	29.32	41	SW	4	c	29.25	-.30	40	39	+ 3	WNW	3	6	1	c	43	37	0.12		
Fanø ...	29.42	38	SW	6	0	29.50	-.07	38	37	+ 1	W	4	6	#	0	39	37	0.08		
SCOTLAND.																				
Sumburgh Head	28.93	42	NW	2	c	29.02	+ .22	45	42	+ 3	W	4	c	5	r,c	45	39	0.52		
Stornoway ...	29.15	40	NW	2	be	29.18	+ .40	43	42	+ 3	W	4	r	4	sp,be	44	38	0.12		
Wick ...	29.12	42	NW	2	be	29.16	+ .44	43	42	+ 2	W	2	0	1	be	45	39	0.04		
Nairn ...	29.17	42	Z	0	6	29.27	+ .48	43	42	+ 6	W	1	r	1	6	45	35	0.05		
Aberdeen ...	29.18	41	WSW	3	6	29.32	+ .43	41	39	- 1	SW	2	cm	2	be,6	45	37	-		
ENGLAND.																				
Leith ...	29.26	42	WSW	3	6	29.44	+ .49	46	44	+ 3	WSW	6	6	#	6	47	42	0.02		
Shields ...	29.29	44	WSW	4	6	29.60	+ .47	47	44	+ 3	WSW	4	c	2	c,6	47	41	-		
Spurn Head ...	29.39	43	WSW	4	0	29.74	+ .39	42	40	- 1	WSW	3	6	3	0	46	40	-		
York ...	29.37	44	WSW	4	6	29.73	+ .44	46	44	+ 2	W	3	c	#	6	47	41	0.02		
Loughborough	29.48	44	WNW	3	0	29.83	+ .39	43	41	- 1	W	5	be,6	#	0	48	40	0.09		
IRISH ISLANDS.																				
Ardrossan ...	29.32	45	W	4	be	29.52	+ .55	47	45	+ 2	SW	4	cm	3	be,6	47	43	0.06		
Malin Head ...	29.43	44	NW	7	0	29.49	+ .54	46	44	+ 3	SW	6	cm	4	c,0	46	43	0.03		
Mullaghmore ...																				
Belmullet ...	29.66	47	WNW	4	c	29.66	+ .47	48	46	+ 2	SW	5	0	#	op,c	48	42	0.04		
Donaghadee ...	29.48	45	WNW	6	be	29.66	+ .62	44	44	+ 2	WSW	6	be	4	be	47	42	-		
BRITISH ISLANDS.																				
Liverpool (Bldston)	29.51	44	W	7	be	29.79	+ .51	47	42	+ 2	WSW	4	c	4	be	47	42	0.08		
Holyhead ...	29.55	46	NW	7	be	29.81	+ .56	46	45	+ 1	SW	5	cm	4	pg,be	47	44	-		
Parsonstown ...	29.68	44	SW	4	0	29.82	+ .61	47	45	+ 4	SW	4	0	#	pg,0	48	42	0.16		
Valencia ...	29.86	50	W	6	be	29.95	+ .47	49	48	+ 1	SW	4	c	5	cq,be	50	45	0.01		
Roche's Point	29.78	46	WNW	5	be	29.94	+ .45	47	45	+ 2	W	2	c	4	be	50	43	0.10		
IRELAND.																				
Pembroke (St. Ann's Hd.)	29.70	47	W	5	be	29.95	+ .49	47	46	- 1	WSW	4	cq	6	be	48	45	0.02		
Scilly ...	29.81	49	WNW	7	c	30.05	+ .44	49	48	- 0	WSW	6	c	6	at,cq	50	45	0.06		
Prawle Point ...	29.77	45	W	5	be	30.05	+ .41	46	46	- 0	W	6	0	5	be	49	42	0.06		
Jersey (St. Aubin's)																				
Hurst Castle ...	29.70	46	W	6	opq	30.03	+ .38	45	44	- 1	WSW	5	cm	4	c,opq	51	43	0.08		
ENGLAND.																				
Dungeness ...	29.58	46	W	6	be	29.91	+ .29	41	40	- 5	W	4	6	3	c,be	48	40	-		
North Foreland	29.57	45	SW	6	be	29.93	+ .34	40	38	- 7	W	4	6	3	c,be	48	39	-		
London ...	29.59	46	W	5	be	29.94	+ .35	43	41	- 4	W	3	6	#	p,be	51	41	0.04		
Oxford ...	29.68	44	WSW	3	0	29.94	+ .39	42	41	- 3	WSW	2	c	#	op,r	49	39	0.01		
Cambridge ...	29.52	47	SSW	8	r	29.91	+ .39	40	38	- 7	S	5	6	#	r	50	38	-		
Yarmouth ...	29.45	46	WSW	6	be	29.82	+ .31	40	39	- 6	WSW	4	6	3	be	48	38	0.01		
GERMANY & HOLLAND.																				
Cuxhaven ...	29.65	43	SW	6	r	29.68	-.07	41	41	- 1	W	6	0	#	r	45	40	0.08		
Berlin ...	29.78	41	SSW	4	r	29.72	-.26	40	39	+ 1	SSW	3	c	#	r	45	39	0.08		
Wiesbaden ...		#	#	#	#	30.01	-.03	42	40	+ 4	SW	2	be	#	#	45	39	0.12		
Munich ...	30.00	31	SE	4	be	30.11	-.07	37	36	+ 13	SW	6	be	#	be	37	24	-		
The Helder ...	29.53	42	SW	6	c	29.81	+ .20	41	39	- 2	WSW	4	6	3	c	43	41	-		
FRANCE & BELGIUM.																				
Brussels (9 a.m.)		#	#	#	#	29.99	+ .20	43	42	- 1	SW	6	0	#	0	46	42	0.16		
Cape Gris Nez		#	#	#	#															
Paris ...	29.63	45	WSW	6	6	29.95	+ .29	43	42	- 1	W	4	be	4	6	?	41	-		
Brest ...	29.89	45	SSW	3	0	30.12	+ .20	41	40	- 4	WSW	3	0	#	0	46	39	0.12		
Lorient ...	?	48	WNW	3	be	?	?	48	47	- 1	WNW	4	c	4	be	?	43	0.04		
	30.00	48	W	5	be	30.20	+ .36	46	45	- 3	W	6	6	4	be	50	43	0.08		
SPAIN.																				
Rochefort ...	30.09	46	W	4	be	30.24	+ .16	45	44	- 3	W	3	6	#	r,be	50	43	0.51		
Belfort ...																				
Lyons ...	?	49	SW	3	0	30.19	+ .05	40	37	+ 7	W	1	r	#	0	54	33	0.04		
Nice ...	30.19	47	Z	0	c	30.40	-.11	44	41	- 1	E	1	c	2	c	55	41	-		
Perpignan ...	30.19	44	NE	2	0	30.30		46	43		NW	2	6	#	0	52	43	-		
Biarritz ...	30.21	49	WSW	5	r	30.32	-.20	50	49	+ 2	WSW	4	p	7	r	57	45	0.24		
PORTUGAL.																				
Corunna ...		#	#	#	#															
Lisbon ...	30.37	55	NNE	2	c	30.40	+ .04	50	47	- 2	NNW	4	6	#	c	57	48	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Sunday, 21<sup>st</sup> Jan. 1894

## BAROMETER, WIND AND SEA.

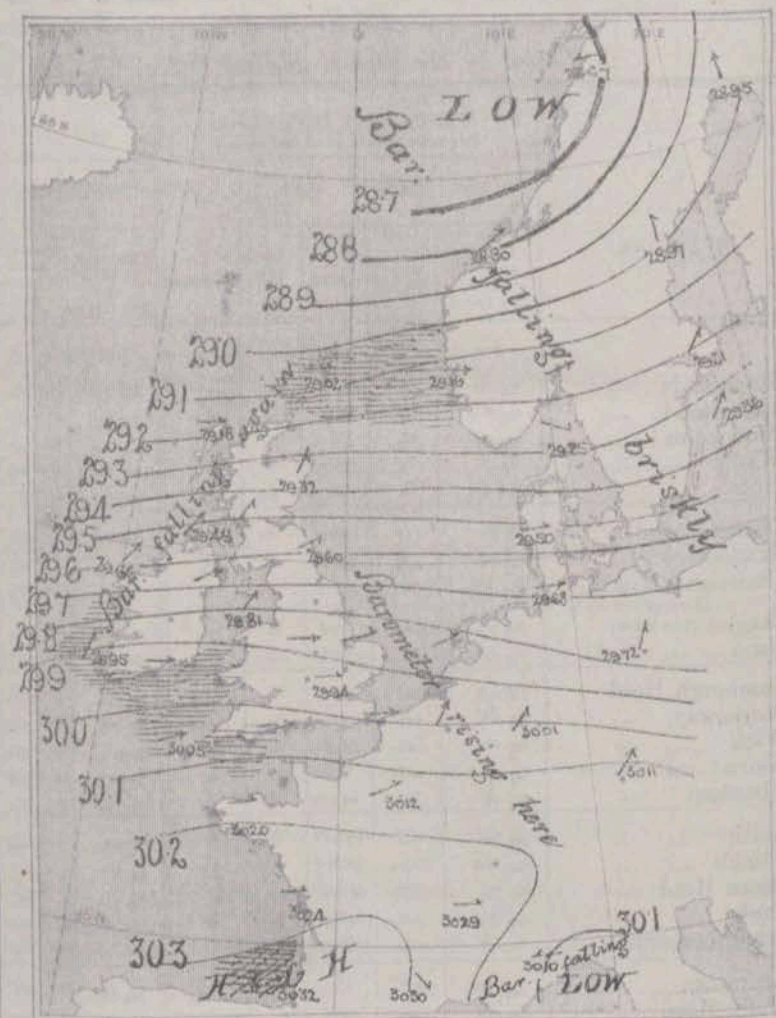
### EXPLANATION OF MAP

**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 forces thus:  
— force above 10 — force 8 to 10 — force 6 to 7 — force 1 to 4  
do. 1 calm.  
**SEA DISTURBANCE**—Where considerable, is shown thus:  
— Rough — High

## MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Guthrie	29.825
Shields	29.881
Spain Head	29.926
York	29.932
Loughborough	29.967
Ardrrossan	29.938
Mullaghmore	29.817
Dunmaghader	29.836
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.805
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.969
Prawle Point	30.000
Jersey	30.022
Hurst Castle	30.062
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.970



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

**TEMPERATURE**—Isotherms are drawn for each 1°. Changes since previous morning are stated in words.

**WEATHER**—is shown by letters of the Bausfort Scale.

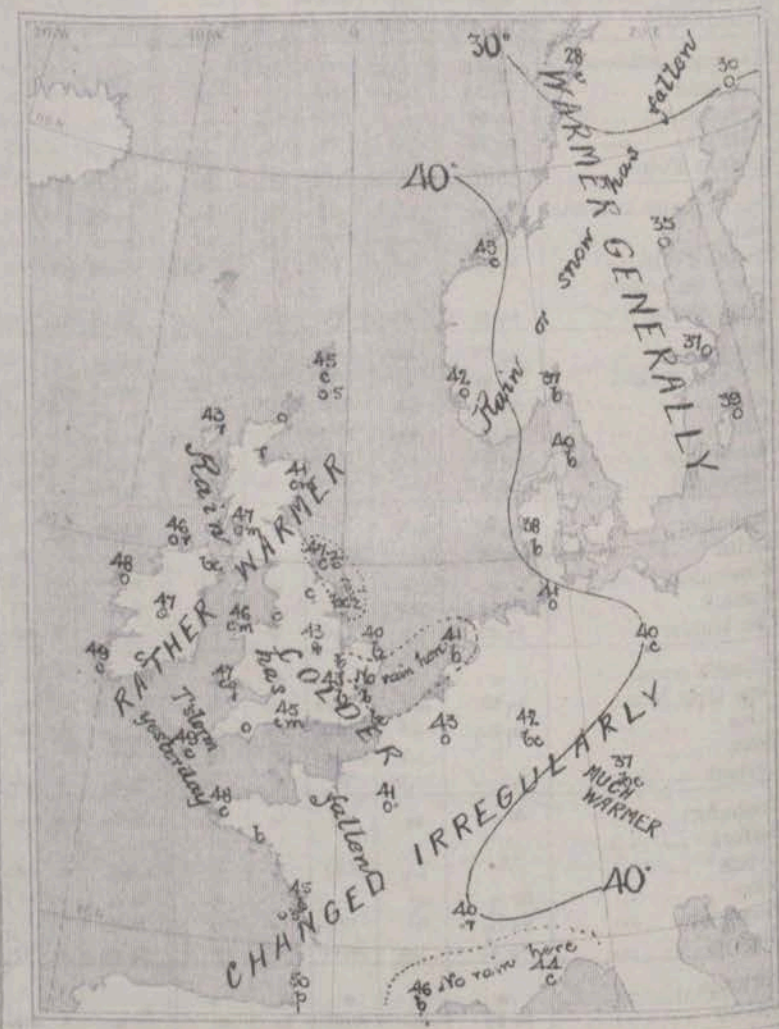
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Day	Night	
Sumburgh Head	42.9	35.6	39.7	38.1	3.72
Stornoway	43.3	34.5	39.5	38.4	5.39
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.90
Aberdeen	42.4	33.2	37.3	35.6	2.31
Guthrie	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spain Head	41.7	34.5	37.7	36.1	1.35
York	42.7	32.5	36.7	35.1	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrrossan	44.2	36.8	40.0	38.8	1.25
Mullaghmore	46.1	38.0	41.6	40.1	4.36
Dunmaghader	44.4	36.1	40.0	39.2	0.98
Holyhead	45.6	38.7	41.7	40.3	0.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsonstown	45.6	34.2	38.0	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.69
Roche's Point	47.7	39.5	43.2	41.2	5.50
Pembroke	45.5	39.0	42.7	41.3	3.75
Sally	48.8	42.9	46.4	44.9	5.11
Prawle Point	46.2	37.6	42.0	41.0	0.09
Jersey	45.8	38.3	41.8	40.4	8.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	45.4	35.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.6	36.0	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.3	33.8	37.5	36.7	1.05

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 35 years 1859-90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 ins to 30.4 ins over the Spanish Peninsula and the southwest of France.

Lowest, 28.7 ins and less, in a depression lying off the coast of Norway.

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

Barometer falling at our extreme northwest coasts as well as in Scandinavia, but rising in nearly all other parts of Western Europe.

## TEMPERATURE

Highest, 50° at Biscaya and Lisbon, 49° at Valencia (Ireland) and Lally, and 48° at Belmullet and Brest.

Lowest, 28° at Bodo, 30° at Haparanda, 35° at Heringsand, 37° at Stockholm, Tander and Munich, and 38° at Tine.

The maxima registered over our Islands yesterday varied in most places between 45° and 50°.

## WIND

W or SW over nearly the whole of western Europe, but S over the northern parts of Sweden and variable in the south of France.

On some of the more exposed parts of our west and southwest coasts the SW breeze blows strongly, but elsewhere the wind is chiefly moderate or fresh.

## WEATHER

Fine in the eastern and southern parts of Great Britain, but cloudy or overcast elsewhere, with rain on our extreme northwestern coasts.

A little rain occurred yesterday in many parts of our area, and a considerable fall (0.5 in.) at Lumburg. H<sup>t</sup>. Thunder and lightning passed over Lally at about Noon.

## SEA

High at Lally, rough on our southwest coasts and rather rough at Skudermær and Lumburg. H<sup>t</sup>, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on January 22<sup>nd</sup> 1894

### 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

At 9.25 am to districts 0, 1, and 5 to 10  
"Hoist South Cone"

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.10	43	42	SSE	8	o	5	Valencia ...	29.73	50	46	W	7	cq	6
Sumburgh Head	28.81	42	41	WNW	2	r	4	Scilly ...	29.74	49	47	W	7	c	6
Stornoway ...	29.03	43	43	NW	4	bcsp	4	Jersey ...							
Aberdeen ...	28.99	45	41	W	4	bcg	4	Hurst Castle ...	29.61	47	45	W	6	c	5
Shields ...	29.13	45	43	SW	3	c	2	Dungeness ...	29.57	48	47	WSW	6	c	5
Ardrrossan ...	29.20	47	46	W	4	bc	3	North Foreland ...	29.57	48	46	SW	6	c	5
Malin Head ...	29.26	46	43	WNW	6	c	4	London ...	29.54	50	45	WSW	3	bc	*
Mullaghmore ...								Yarmouth ...	29.45	48	44	SSW	5	bc	4
Belmullet ...	29.50	47	45	WNW	5	op	4	Rochefort ...	29.97	49	46	W	4	r	*
Holyhead ...	29.40	46	45	WNW	7	bcg	6								

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

Weather cloudy and squally over Northwestern Europe generally, with rain in many places. Fine in Sweden and also in Italy, Austria and the southern parts of France, but dull in Germany and Russia, with snow at Archangel. Rain falling during day over a considerable portion of our Islands and the Continent, - heavily at many of the French stations and also at Leghorn. Snow reported in several parts of Russia and Scandinavia. Thunder and lightning occurring at Scilly at about noon.

Temperature fallen several degrees in Sweden and slightly in the west of our islands, but risen elsewhere. Morning readings highest 56° at Malta, 52° at Fontenay and Lieke, and 51° at Algiers; above 45° in many parts of Ireland and England. Lowest 5° at Arkhar, 8° at Ulesborg, 11° at Haparanda, 17° at Moscow, and 23° at Archangel, Bodo, and Humsand; below the freezing point in south Germany, and below 40° in Central Scotland. Rising during day to between 45° and 50° in nearly all parts of the United Kingdom; exceeding 55° in many parts of southern Europe, and reaching 59° at Oporto and Cagliari, and 61° at Malta.

Wind strong to gale from the SW<sup>nd</sup> over Ireland, England, and the Netherlands; moderate to strong from SW. over France, Germany, and Denmark; SE<sup>3</sup> in Norway, with a gale at Skudesnaes; calm in the north of Scotland. Light from between W. and S. in Russia; calm in Sweden; variable over southern Europe and the Mediterranean. Subsequently, veering to the W<sup>nd</sup> or NW<sup>nd</sup> over our Islands and the west of France; no important change occurring elsewhere.

Barometer highest 30.2 ins. to 30.4 ins. over the whole of southern and southeastern Europe, with the Mediterranean, Algeria, and Tunis. Lowest 28.8 ins. and less, in a well marked depression over the north of Scotland (gradient steep over all the northern western countries); 29.4 ins. and less, in a large shallow area over the north of Russia. Both disturbances moving northwards during day, barometer rising quickly in the west and north of our Islands.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

Monday, 22<sup>nd</sup> January,

1894.

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

Issued by the Meteorological Office, 55, Victoria Street, London. R. S. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Weather.	Sea (0 to 9).	Max.	Min.	Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.						Dirac.
Inch.		°				Inch.	°	°	°									ins.	
SCANDINAVIA.	Haparanda ...	28.85	33	SW	4	0	28.80	-15	29	28	-1	SW	4	0	4	bc	34	24	-
	Hernösand ...	28.91	30	2	0	bc	28.79	-18	23	22	-12	2	0	4	bc	36	24	-	
	Stockholm ...	29.14	40	NSW	2	0	29.09	-12	41	37	+4	SW	6	6	4	bc	41	34	-
	Wisby ...	29.34	40	SW	6	bc	29.35	-01	40	39	+1	W	8	6	4	bc	41	36	-
	Bodö ...	28.46	39	SW	2	0	28.49	-18	37	36	+9	SSW	4	6	2	0	39	25	0.24
SCANDINAVIA.	Christiansund ...	28.80	38	NSW	6	1	28.86	+06	36	35	-7	W	2	1	4	1	43	34	0.63
	Skudesnaes ...	29.10	42	NSW	8	1	29.15	-04	41	39	-1	SW	7	6	5	1	45	36	-
	Christiana Fjord (Funder)	29.08	38	NSW	8	bc	29.15	+02	37	35	0	NSW	8	6	5	bc	39	36	-
	Skagen (The Scaw)	29.25	43	SW	5	c	29.30	+05	40	39	0	W	3	bc	1	c	43	37	-
	Fanö ...	29.53	40	NSW	6	c	29.50	-00	39	39	+1	NSW	6	0	4	c	41	38	-
BRITISH ISLANDS.	Sumburgh Head	28.89	40	W	5	c	28.90	-12	35	35	-10	NSW	3	1	4	c	45	34	0.28
	Stornoway ...	29.10	38	W	5	0	28.87	-31	34	34	-9	W	5	5	5	1.0.2	44	34	0.35
	Wick ...	29.08	35	W	4	c	28.94	-22	37	36	-6	W	5	6	4	c	44	33	0.05
	Nairn ...	29.14	37	NSW	1	c	29.03	-24	38	37	-5	W	1	1	1	c	45	33	0.24
	Aberdeen ...	29.24	39	NSW	3	b	29.11	-21	37	34	-4	SW	6	bc	3	q.p.b	44	36	0.05
BRITISH ISLANDS.	Leith ...	29.34	40	NSW	3	0	29.23	-21	39	36	-7	NSW	5	c	4	0	48	36	0.81
	Shields ...	29.44	48	SW	4	b	29.36	-24	39	37	-8	SW	3	c	2	b.p	50	37	0.02
	Spurn Head ...	29.63	45	SW	4	b	29.50	-24	40	39	-2	SW	3	1	3	b	47	39	0.04
	York ...	29.61	46	W	3	bc	29.46	-27	40	39	-6	SSW	1	0	4	bc	50	40	0.02
	Loughborough	29.74	47	SW	5	c	29.56	-27	40	39	-3	NSW	1	0	4	c.p	51	39	0.05
BRITISH ISLANDS.	Ardrossan ...	29.37	44	SW	6	bc	29.23	-29	41	39	-6	SW	7	bc	5	bc	47	40	0.06
	Malin Head ...	29.36	39	W	7	bc	29.20	-29	36	35	-10	SW	6	bc	6	bc	47	35	0.28
	Mullaghmore ...																		
	Belmullet ...	29.55	48	W	6	op	29.36	-30	45	42	-3	NSW	4	0	4	op	49	36	0.21
	Donaghadee ...	29.49	44	SW	6	1	29.34	-32	36	36	-8	SW	6	6	4	1	49	32	0.10
BRITISH ISLANDS.	Liverpool (Bidston)	29.65	47	SW	6	c	29.48	-31	41	38	-6	SW	3	0	4	c	50	40	0.05
	Holyhead ...	29.66	47	SW	6	c	29.46	-35	43	40	-3	SW	4	om	3	og	48	42	-
	Parsonstown ...	29.68	45	SW	3	0	29.47	-35	36	35	-11	SW	2	0	4	0	49	35	0.12
	Valencia ...	29.77	47	SW	5	rgm	29.06	-39	43	41	-6	NSW	4	c	4	rgm	50	40	0.08
	Roche's Point	29.78	49	W	5	c	29.55	-39	42	40	-5	W	3	0	4	c.p	50	41	0.10
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.80	48	NSW	5	c	29.54	-36	43	41	-4	NSW	4	og	5	oc	48	40	0.20
	Scilly ...	29.94	49	NSW	6	c	29.86	-49	46	45	-3	W	2	1	6	c	52	45	0.05
	Prawle Point ...	29.94	47	NSW	5	0	29.61	-44	46	46	0	NSW	6	1	6	oc	49	44	0.09
	Jersey (St. Aubin's)																		
	Hurst Castle ...	29.94	46	NSW	5	c	29.65	-38	46	45	+1	NSW	5	1	5	c	51	48	0.17
BRITISH ISLANDS.	Dungeness ...	29.90	47	NSW	5	c	29.68	-23	46	46	+5	NSW	7	1	6	c	48	40	0.03
	North Foreland	29.95	48	NSW	4	0	29.68	-25	46	45	+6	SW	4	1	2	0	49	38	0.03
	London ...	29.87	46	NSW	3	0	29.63	-31	46	44	+8	SW	3	0	4	0.0	49	43	-
	Oxford ...	29.82	45	SW	3	c	29.59	-35	43	42	+1	SSW	3	og	5	c.p	48	42	-
	Cambridge ...	29.81	47	S	5	c	29.58	-33	44	42	+4	SSW	3	c	4	c	49	38	-
GERMANY & HOLLAND.	Yarmouth ...	29.77	45	NSW	5	bc	29.59	-23	44	43	+4	SW	4	c	4	bc	47	39	-
	Cuxhaven ...	29.77	43	NSW	5	bc	29.69	+01	42	42	+1	SW	5	0	4	bc	45	41	-
	Berlin ...	29.91	43	WNW	2	c	29.86	+14	41	39	+1	WNW	4	0	4	c	45	39	-
	Wiesbaden ...						30.00	-01	39	38	-3	SW	1	0	4	4	45	37	-
	Munich ...	30.18	39	2	0	0	30.13	+02	29	28	-8	SW	4	6	4	0	43	28	-
GERMANY & HOLLAND.	The Helder ...	29.80	42	SW	6	bc	29.69	-12	41	41	0	SW	6	0	3	bc	43	39	-
	Brussels (9 a.m.)	*	*	*	*	*	29.85	-14	43	42	0	SSW	6	1	4	0	47	41	0.04
	Cape Gris Nez	29.92	45	NSW	5	1	29.72	-23	44	44	+1	SW	6	1	6	1	48	39	0.16
	Paris ...	30.14	45	SSW	2	0	29.97	-15	43	42	+2	SSW	3	0	4	0	50	41	-
	Brest ...	?	48	NSW	3	c	?	?	48	47	0	SW	4	1	4	c	54	45	0.08
FRANCE AND BELGIUM.	Lorient ...	30.16	48	NSW	4	c	29.82	-38	48	46	+2	SW	5	0	4	c	50	45	-
	Rochefort ...	30.26	46	NSW	2	b	30.08	-16	44	44	-1	SW	3	bc	4	b	52	?	-
	Belfort ...																		
	Lyons ...	30.28	42	WNW	1	0	30.20	-09	34	34	-6	SSW	1	6	4	0	49	33	-
	Nice ...	30.15	45	ENE	3	bc	30.19	+09	39	36	-5	E	1	6	4	bc	52	37	-
PENIN-SULA.	Perpignan ...	30.28	47	SSW	1	b	30.21	-09	35	33	-11	W	2	6	4	b	56	35	-
	Biarritz ...	30.26	51	NSW	4	c	30.07	-25	46	41	-4	S	3	6	5	c	52	41	0.24
	Corunna ...																		
	Lisbon ...	30.33	48	WNW	3	b	30.24	-16	46	45	-4	S	2	0	4	b	57	45	-

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Monday, 22<sup>nd</sup> Jan. 1894

## 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:

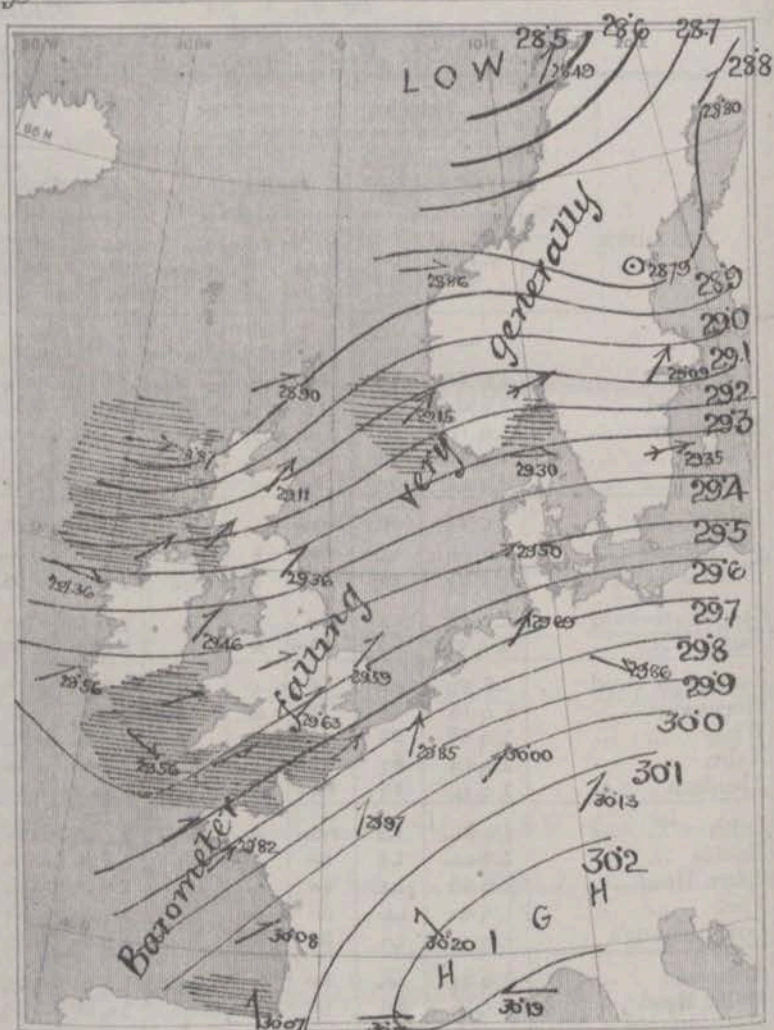
— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

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

(during the 20 Years 1871–1890.)

STATIONS.	MEAN READINGS.
Sumburgh Head	29.675
Stornoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.906
York	29.932
Loughborough	29.967
Ardrossan	29.938
Mullaghmore	29.917
Dunaghadac	29.856
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.835
Valencia	29.887
Roche's Point	29.908
Penrhye	29.936
Scilly	29.969
Prasle Point	30.006
Jersey	30.052
Hurst Castle	30.062
Dover	30.012
LONDON	30.006
Oxford	29.969
Cambridge	29.963
Yarmouth	29.970





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins. and upwards, in the south of France and also over the southern parts of the Spanish Peninsula.  
 Lowest, 28.5 ins. and less, in a depression lying off the northwest of Norway.  
 Gradients rather steep generally, but slight over the southern parts of our Islands.  
 Barometer falling in most places, but steady at Valencia (Ireland), and rising in Norway.

## TEMPERATURE

Highest, 48° at Dunk and Lorient and 46° at all stations in the south of England, as well as at Biarritz and Lisbon.  
 Lowest, (1) 23° at Helsingfors and 23° at Haparanda; (2) 23° at Munich and 34° at Lyons; (3) 34° at Rome and 35° at Lumburg Ht.  
 The maxima registered over our Islands yesterday varied in most places between 47° and 52°.

## WIND

SW<sup>ly</sup> or W<sup>ly</sup> in nearly all parts of Western Europe; strong in force on our own northern coasts, and also in the south of Scandinavia, with a gale at Helsingfors and Foulke.  
 Light and variable in the south of France.

## WEATHER

Changeable and showery over the greater part of our area, with hail at Malin Ht., snow at Helsingfors, and sleet at Lumburg Ht. and Helsing.  
 Fine and bright in the south of Sweden, and also in the southern parts of France and Germany.  
 Rain fell yesterday at all but our southern stations. Thunder occurred last night at Helsingfors, and lightning was seen at Malin Ht.

## SEA

Rough in the south and extreme northwest, and rather rough in the south of Norway, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric fall is greatest in the north, and there is consequently a tendency for an increase in the gradients over our Islands. Strong and squally winds from the SW<sup>ly</sup> or W<sup>ly</sup> are probable on nearly all coasts, with a fall of temperature in the south and southeast.

## FORECASTS

For the 24 hours ending at NOON on 23<sup>rd</sup> JAN<sup>y</sup> 1894

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, strong; squally, some snow showers.	6 SCOTLAND WEST	SW <sup>ly</sup> to W <sup>ly</sup> winds, strong; squally, some cold showers.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	W <sup>ly</sup> and NW <sup>ly</sup> winds, freshening; changeable, some showers.
3 ENGLAND EAST	Same as N° 5	9 IRELAND NORTH	Same as N° 6 and 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as N° 8.
5 ENGLAND SOUTH	SW <sup>ly</sup> winds, fresh; changeable, some showers, colder.	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. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.20	44	42	SW	7	0	5	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.12	40	40	W	5	7	5	Jersey ...							
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	29.96	47	45	W	5	C	4
Ardrossan ...								North Foreland ...	29.95	48	46	WSW	4	C	3
Malin Head ...	29.41	44	43	WSW	6	0	4	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.58	48	44	WSW	6	0	4	Rochefort ...	30.28	50	48	WNW	2	C	4
Holyhead ...															

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

Weather in morning fine and bright over the greater part of the Mediterranean, and at many stations in France and the south of our Islands, cloudy or overcast elsewhere, and unsettled over all the northern countries. Rain later at most stations in the last named regions (considerable at Christiansund), as well as at Biarritz, hail and lightning at our extreme northwestern stations.

Temperature changing little and irregularly. Morning readings exceeding 50° at several of the Mediterranean stations, 50° at Lisbon, 49° at Brest and Valencia (Ireland); exceeding 40° over western Europe generally. Lowest (1) 14° at Kioy, 26° at Casco; (2) 21° at Archangel, and below the freezing point over Russia generally and south Germany. Rising later to 50° or a little more at a few of our stations, to 54° at Brest, and to 56° at Perpignan.

Wind light and very variable over southern and southeastern Europe, as a whole, fresh at Toulon, W<sup>2</sup> and SW<sup>2</sup> fresh to strong over the United Kingdom, SW<sup>2</sup> to S<sup>2</sup> and strong over the Baltic and Finland, E<sup>2</sup> at Rado. Increasing from SW. at our western stations later, and blowing a gale on the coast of Norway.

Barometer highest 30.4 ins. and more to 30.5 ins. over the Spanish Peninsula and southwest of France, and exceeding 30.0 ins. over the southwest of England, with the whole of France, southern and southeastern Europe. Lowest 28.7 ins. and less over northwest of Scandinavia. Falling steadily over the United Kingdom later.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 14<sup>TH</sup> TO 20<sup>TH</sup> JAN. 1894.

Mild unsettled weather, prevailed last week over nearly the whole of northwestern Europe, with frequent falls of rain in our Islands, and with occasional gales on our western and southern coasts. Thunderstorms were experienced in the south of Ireland on the 17<sup>th</sup> and at Scilly on the 20<sup>th</sup>.

Barometric pressure was highest over Spain and the south of France and lowest in a series of depressions which passed outside the Irish and Scotch coasts, the prevailing winds being therefore S<sup>2</sup> or SW<sup>2</sup>. The principal disturbances were, -

1. A rather deep system which skirted our western coasts on the night of the 15<sup>th</sup> and which occasioned moderate to fresh S<sup>2</sup> gales on our southern and southwestern coasts, with heavy rain at some of the Irish stations.
2. A larger and deeper disturbance which travelled northwards across the north of Scotland between the 19<sup>th</sup> and 20<sup>th</sup>. The gales on this occasion were general in the west and south, and at the close of the week when the depression was passing away to Norway the wind was blowing very strongly from the W<sup>2</sup> and NW<sup>2</sup> in nearly all parts of the United Kingdom.

Temperature was high for the time of year, the daily maxima over our Islands ranging as a rule between 45° and 50°. Slight frost was, however, experienced in Scotland on the night of the 14<sup>th</sup> and 15<sup>th</sup>.

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Tuesday 23<sup>rd</sup> January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		Barom.	TEMP.	WIND.	Force	Weather.	BAROMETRE.		SHADE TEMP.			WIND.		Sea	Weather.	Max.	Min.	Amount of Rainfall.	
							Reading at 32° F. and Sea Level.	Change since Yesterday Morning.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force						
		Inch.	°	Direc.	(0 to 12)		Inch.	°	°	°		(0 to 12)		(0 to 9).				Inch.	
SCANDINAVIA.	Haparanda ...	28.26	28	WSW	4	0	29.03	+ .23	16	15	—	13	W	14	6	0	32	?	—
	Hernösand ...	29.10	28	SW	2	6	29.17	+ .38	12	10	—	11	W	0	6	0	34	?	—
	Stockholm ...	29.35	27	SW	4	0	29.20	+ .21	35	35	—	6	SW	2	6	0	43	35	—
	Wisby ...	29.52	38	SW	6	6	29.39	+ .04	39	38	—	1	SW	8	6	0	41	36	0.08
	Bodö ...	29.83	33	W	6	0	29.10	+ .61	30	27	—	7	W	6	0	0	37	28	—
SCANDINAVIA.	Christiansund...																		
	Skudesnaes ...	29.15	41	SW	7	0	29.19	+ .04	37	36	—	4	NNW	4	0	4	43	36	—
	Christiania Fjord (Fjorder)	29.25	37	WSW	6	6	29.23	+ .08	36	35	—	1	WSW	2	6	0	37	36	—
	Stagen (The Sea)	29.35	39	WNW	3	6	29.26	— .04	37	36	—	3	W	2	6	0	41	36	—
	Fanö ...	29.38	38	SW	4	7	29.34	— .16	36	36	—	3	WSW	4	0	0	39	36	0.24
BRITISH ISLANDS.	Sumburgh Head	29.03	34	N	3	0	29.52	+ .62	28	26	—	7	N	4	0	0	38	27	0.72
	Stornoway ...	29.26	34	N	8	5	29.79	+ .92	29	29	—	5	N	4	0	0	40	29	0.12
	Wick ...	29.09	37	NW	6	3	29.59	+ .65	28	27	—	9	NNW	5	0	0	39	27	0.30
	Nairn ...	29.22	36	WNW	4	0	29.73	+ .70	31	30	—	7	W	2	0	0	40	28	0.08
	Aberdeen ...	29.06	36	W	9	6	29.66	+ .55	29	29	—	8	WNW	6	0	0	41	28	0.20
BRITISH ISLANDS.	Leith ...	29.23	37	W	4	0	29.74	+ .51	31	28	—	8	WNW	3	0	0	43	30	—
	Shields ...	29.26	40	SW	3	0	29.73	+ .37	30	28	—	9	WSW	2	0	0	43	29	—
	Spurn Head ...	29.36	40	WSW	3	0	29.69	+ .49	35	31	—	5	NW	4	0	0	42	34	—
	York ...	29.36	40	SW	1	0	29.77	+ .31	29	28	—	11	WNW	1	0	0	44	28	—
	Loughborough	29.43	40	WSW	2	0	29.77	+ .21	29	28	—	11	W	1	0	0	43	29	—
BRITISH ISLANDS.	Ardrossan ...	29.31	39	NNW	2	6	29.79	+ .56	33	31	—	8	NNW	3	0	0	42	32	0.02
	Malin Head ...	29.29	41	NNW	6	0	29.84	+ .64	35	33	—	1	N	5	0	0	42	32	0.09
	Mullaghmore ...																		
	Belmullet ...	29.58	38	NNW	5	0	29.94	+ .58	37	35	—	8	NNW	3	0	0	45	35	0.37
	Donaghadee ...	29.39	40	NNW	6	0	29.83	+ .49	31	31	—	5	NNW	4	0	0	42	30	0.09
BRITISH ISLANDS.	Liverpool (Bidston)	29.40	40	WSW	4	0	29.81	+ .33	35	34	—	6	NNW	4	0	0	43	35	0.02
	Holyhead ...	29.41	41	NNW	4	0	29.84	+ .38	39	36	—	4	NNW	5	0	0	43	38	0.06
	Parsonstown ...	29.53	35	SW	2	0	29.94	+ .47	29	28	—	7	W	0	0	0	42	29	0.06
	Valencia ...	29.68	39	NNW	5	0	30.04	+ .48	37	36	—	6	NNW	5	0	0	44	32	0.19
	Roche's Point	29.57	40	NNW	5	0	30.00	+ .45	36	34	—	6	NNW	4	0	0	45	34	—
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.49	44	NNW	4	6	29.87	+ .33	39	37	—	4	NNW	4	0	0	44	38	0.07
	Scilly ...	29.53	45	NNW	4	0	29.88	+ .32	44	40	—	2	N	5	0	0	46	40	0.18
	Prawle Point ...	29.53	38	W	1	0	29.84	+ .23	35	35	—	11	N	3	0	0	46	34	0.04
	Jersey (St. Aubin's)																		
	Hurst Castle ...	29.48	40	WSW	4	0	29.80	+ .45	34	33	—	12	NNW	3	0	0	46	32	0.61
BRITISH ISLANDS.	Dungeness ...	29.39	47	SW	7	0	29.66	— .02	35	34	—	11	NW	3	0	0	47	34	0.25
	North Foreland	29.47	47	SW	4	0	29.69	+ .01	37	35	—	9	NNW	3	0	0	47	34	0.16
	London ...	29.45	40	SW	2	0	29.77	+ .14	34	32	—	12	NNW	2	0	0	47	34	0.32
	Oxford ...	29.49	37	W	2	0	29.78	+ .19	34	32	—	9	NNW	2	0	0	46	33	0.34
	Cambridge ...	29.45	39	NNW	1	0	29.75	+ .17	31	30	—	13	WNW	3	0	0	47	30	0.19
BRITISH ISLANDS.	Yarmouth ...	29.41	44	WSW	3	0	29.66	+ .07	34	33	—	10	WNW	3	0	0	46	32	0.17
	Cuxhaven ...	29.63	44	SW	6	0	29.47	— .22	39	39	—	3	W	3	0	0	45	38	0.24
	Berlin ...	29.78	41	SW	3	0	29.61	— .25	37	35	—	4	S	4	0	0	45	37	—
	Wiesbaden ...						29.67	— .33	37	35	—	2	S	2	0	0	43	36	0.04
	Munich ...	29.98	31	SE	3	0	29.79	— .34	28	27	—	1	NW	3	0	0	39	25	—
BRITISH ISLANDS.	The Helder ...	29.45	43	SSW	6	0	29.60	— .09	38	37	—	3	NNW	4	0	0	43	37	0.36
	Brussels (9 a.m.)						29.65	— .20	36	36	—	7	WSW	1	0	0	46	35	0.39
	Cape Gris Nez	29.47	44	SSW	6	0	29.65	— .07	38	36	—	6	NNE	4	0	0	46	36	0.51
	Paris ...	29.70	46	SSW	5	0	29.67	— .30	39	38	—	4	NNW	2	0	0	47	39	0.28
	Brest ...		44	N	3	0	?	?	41	39	—	7	NNE	3	0	0	52	39	0.32
BRITISH ISLANDS.	Lorient ...	29.56	46	W	4	0	29.78	— .04	42	42	—	6	NW	4	0	0	48	39	0.24
	Rochefort ...	29.77	47	SSW	5	0	29.78	— .30	42	40	—	2	NNW	5	0	0	50	39	0.43
	Belfort ...		36	W	2	0	?	?	35	34	—	1	NNW	1	0	0	48	29	—
	Lyons ...	29.92	46	S	4	0	29.75	— .45	46	41	+	12	S	4	0	0	51	34	—
	Nice ...	30.11	44	W	0	0	30.00	— .19	40	40	+	1	E	1	0	0	50	39	0.12
BRITISH ISLANDS.	Perpignan ...	29.92	45	NW	2	0	29.83	— .38	37	36	+	2	SW	2	0	0	56	35	—
	Biarritz ...	29.80	52	SW	6	0	29.84	— .23	45	43	—	1	W	7	0	0	54	41	0.39
	Corunna ..																		
	Lisbon ...	30.07	52	NNW	5	0	30.13	— .11	46	43	—	0	NNW	4	0	0	55	45	0.24

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Tuesday, 23<sup>rd</sup> Jan: 1894

## 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:

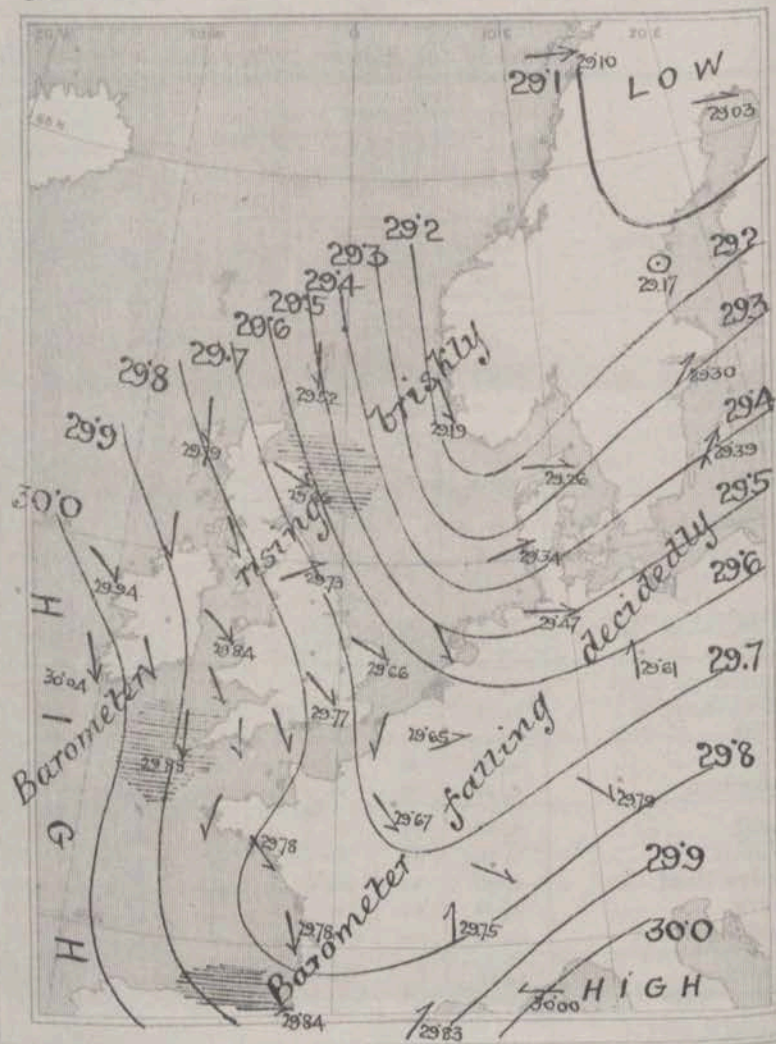
— Rough. — High

### MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of January

During the 20 Years (87)–1890.

STATIONS.	MEAN READINGS.
Sunbury Head	29.675
Stormway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.747
Leith	29.825
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.967
Arbroath	29.978
Mullaghmore	29.817
Donaghadee	29.830
Holyhead	29.982
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.868
Pembroke	29.936
Sally	29.969
Pravle Point	30.006
Jersey	30.022
Hurst Castle	30.062
Dover	30.012
LONDON	30.006
Oxford	29.990
Cambridge	29.963
Yarmouth	29.970



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

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

**WEATHER**—is shown by letters of the Beaufort Scale.

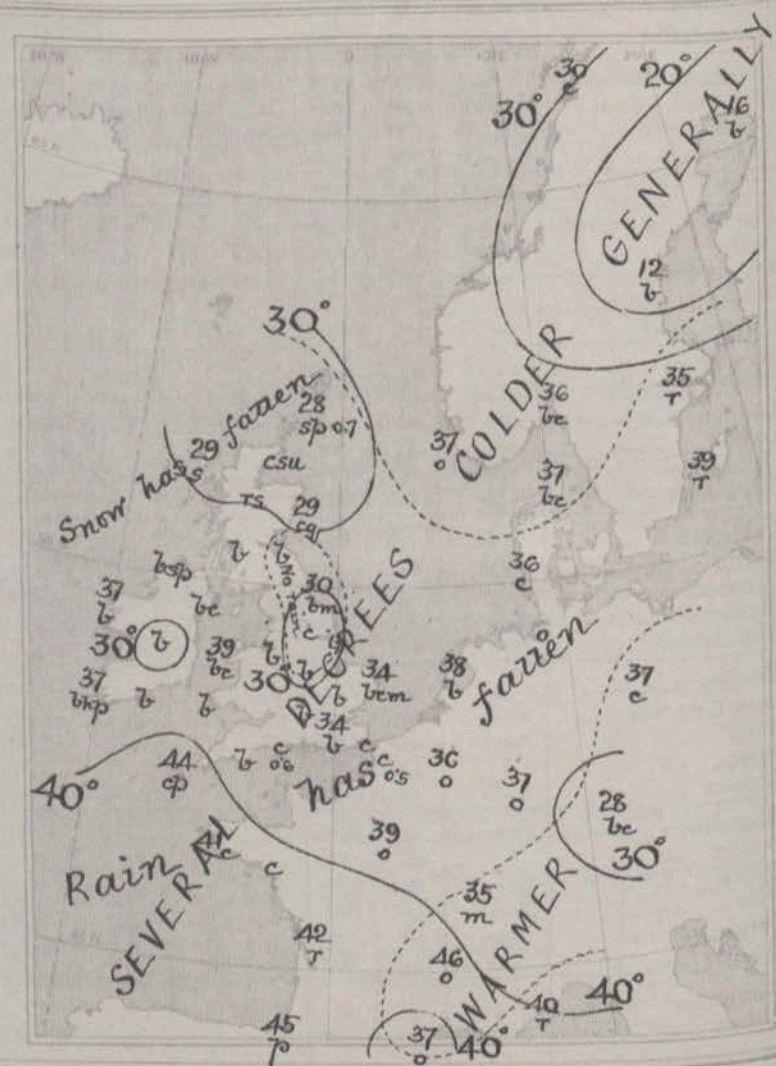
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.1 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.					RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry.	Wet.	at 8 a.m.	
Sunbury Head	42.9	35.6	35.7	38.4	37.2	0.72
Stormway	43.3	34.5	36.5	38.4	37.0	0.70
Wick	42.4	33.3	38.2	36.8	37.0	0.65
Nairn	42.2	32.9	37.2	35.6	36.6	1.99
Aberdeen	42.4	33.2	37.3	35.0	36.1	2.31
Leith	44.4	33.7	38.6	37.2	37.1	1.95
Shields	43.9	34.2	38.2	36.9	37.1	1.75
Spurn Head	41.7	34.5	37.7	36.7	36.7	1.35
York	42.7	33.5	36.7	35.7	36.7	1.87
Loughborough	43.0	32.3	36.4	35.4	35.4	2.04
Arbroath	44.2	36.3	40.6	38.8	38.8	4.25
Mullaghmore	40.1	38.0	41.6	40.4	40.4	4.36
Donaghadee	44.4	36.1	40.0	38.2	38.2	2.98
Holyhead	45.6	38.7	41.7	40.3	40.3	2.38
Liverpool	43.5	35.2	38.0	37.0	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.8	37.8	2.12
Valencia	49.5	40.4	44.5	43.3	43.3	6.69
Roche's Point	47.7	39.3	43.2	41.2	41.2	5.00
Pembroke	45.5	36.6	42.7	41.3	41.3	3.75
Sally	48.8	42.9	46.4	44.9	44.9	3.73
Pravle Point	46.2	37.6	42.0	41.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.0	39.0	2.04
Dover	43.5	35.8	39.2	38.1	38.1	2.38
LONDON	44.1	33.8	37.6	36.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	36.1	2.20
Cambridge	43.3	31.7	36.2	35.4	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 in. and more to 30.0 in. over the southwestern half of Spain, and exceeding 30.0 in. over the southwest of Ireland.  
 Lowest 29.1 in. and less over Lapland, and below 29.2 in. over nearly the whole of Norway.  
 Gradients rather steep over the North Sea, moderate (for it winds) over our islands, very slight over France.  
 Barometer rising generally, rapidly in the north.

## TEMPERATURE

Highest 46° at Lyons, 45° at Biarritz, 41° at Brest.  
 Lowest (1) 12° at Hermösand, 16° at Haparanda, 30° at Rodö; (2) 28° at Munich; (3) 28° at Wien, 29° at Aberdeen, Stornoway, Parsonstown and York.  
 Fallen very generally and considerably over our islands since yesterday, and the fall is apparently continuing.

## WIND

N<sup>th</sup> to NW<sup>th</sup> throughout our islands and the north and west of France, and blowing rather strongly on the Scotch coast and in the southwest of France.

## WEATHER

A strong gale from between W. and N. was felt in the north of Scotland during the night.  
 Fine and dry over England and the eastern half of Ireland, but snow and hail showers prevailed over the north of Scotland, and the extreme north and west of Ireland.  
 The amount of rain and sleet has been large (0.72 in.) in the Firthlands; and the rainfall considerable over our southern counties and France.

## SEA

Rough at Aberdeen, rather so at Scilly and Biarritz; moderate to slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuance of cold N<sup>th</sup> winds is probable, with dry weather, and sharp frosts inland at night.

## FORECASTS

For the 24 hours ending at NOON on 24<sup>th</sup> January 1894

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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

N<sup>th</sup> winds, strong to moderate; passing cold showers; frost again tonight.

N<sup>th</sup> and N<sup>th</sup> winds, mod. or light; fair, very sharp frost tonight.

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

N<sup>th</sup> or NE<sup>th</sup> winds, moderate or fresh; frost 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. Dirac.	P.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.19	43	39	SV	8	c	5	Valencia ...	29.57	41	40	WNW	4	thp	4
Sumburgh Head ...	28.97	33	30	L	0	s	4	Scilly ...	29.62	44	42	NW	4	cp	5
Stornoway ...	28.95	39	39	N	8	s	6	Jersey ...							
Aberdeen ...	29.04	40	36	SW	6	bg	4	Huret Castle ...	29.47	45	44	WSW	3	oolm	4
Shields ...	29.29	43	40	SW	2	c	2	Dungeness ...	29.51	46	46	SW	7	r	6
Ardrossan ...	29.19	42	41	W	6	0	4	North Foreland ...	29.54	46	45	SW	4	r	3
Malin Head ...	29.25	41	39	NNW	7	0	5	London ...	29.48	47	45	SW	3	or	4
Mullaghmore ...								Yarmouth ...	29.47	46	44	SW	4	or	4
Belmullet ...	29.43	43	38	NW	4	oghp	3	Rochefort ...	29.91	49	47	SSW	4	0	e
Holyhead ...	29.39	42	39	WSW	3	bc	2								

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

Weather in morning fine at most of the Mediterranean and South-European stations, but not settled - raining at London - foggy over Hungary and the south of Russia; cloudy to unsettled over the northern countries, with rain over the south of England, the Channel and the Netherlands, snow and sleet in Scotland and the north of Russia. Considerable falls of hail, sleet & snow in the north later, and of rain in the west and south. Sky clearing still later over England.

Temperature inclined to fall in the west and south, risen over the eastern countries. Morning readings highest - exceeding 50° at Malta and some Algerian stations only; exceeding 40° over France, North Germany and the south and west of our islands. Lowest - (1) 26 to 29° over Hungary and the south of Russia; (2) 23° at Herosand, 29° at Haparanda and Archangel; (3) 34° at Stornoway and below 40° at our northern stations generally. Falling decidedly over our islands and France later - the change spreading in from the westward.

Wind variable and light over the southern and southeastern countries, S.W. to W., moderate to fresh in the northwest and north, strong in many places - a gale in the south of Norway. Veering to N. and NW. on our northern and western coasts later, and blowing a strong gale at several of the Scotch stations.

Barometer highest 30.3 in. and more over Algeria and Central Spain and exceeding 30.0 in. over southwestern, southern and southeastern Europe generally. Lowest 28.5 in. and less over Finnmark and below 29.0 in. over the north of Scotland, the Shetlands, the northern half of Scandinavia and the west of Finland - gradients rather steep over the northern countries. Low-pressure area in north and an extensive "V" over our islands moving eastwards later, and barometer rising rapidly in the north and west of the British Island.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

Wednesday, 24 January,

1894.

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom. Reading at 52° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Force (9 to 12).	Weather.	Barometer.		Shade Temp.			Wind.		Force (9 to 12).	Weather.	Sea (9 to 12).	Weather.	Shade Temp.		Amount of Rainfall.
			Direc.	Force			Reading at 52° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force					Max.	Min.	
	Inch.	°				Inch.	°	°	°								°	°	Inch.	
<b>SCANDINAVIA.</b>																				
Haparanda ...	29.23	-3	NW	2	f	29.26	+23	-5	-5	-	21	2	0	f	#	f	32	-3	-	
Hernösand ...	29.35	24	W	0	c	29.54	+37	18	16	+	6	NW	2	bc	#	c	27	10	-	
Stockholm ...	29.81	33	W	0	0	29.50	+20	30	28	-	5	NW	4	0	#	0	37	?	0.04	
Wisby ...	29.86	37	SW	6	f	29.48	+09	33	32	-	6	NW	4	6	#	f	39	33	0.24	
Bodo ...	29.70	26	W	8	S	29.43	+33	25	22	-	5	NW	6	0	#	S	32	21	-	
<b>CHRISTIANIA.</b>																				
Christiansund...	29.59	27	N	4	S	29.67	+20	27	24	-	7	NSW	6	S	#	S	32	25	0.24	
Skudenes...	29.60	33	NW	9	bc	29.79	+60	35	29	-	2	ESE	2	0	#	S, bc	37	27	-	
Christiania Fjord (Færder)	29.32	36	NW	4	0	29.71	+48	29	26	-	7	NW	4	6	2	0	36	28	-	
Skagen (The Scaw)	29.39	35	NW	4	b	29.70	+44	33	32	-	4	N	4	C	2	b	34	32	-	
Faro ...	29.63	34	W	6	bc	29.88	+54	34	31	-	2	N	6	C	#	bc	39	34	0.08	
<b>SCOTLAND.</b>																				
Sumburgh Head	29.76	25	N	2	c	29.88	+14	36	36	+	8	S	4	f	#	c	36	25	0.01	
Stornoway ...	29.86	28	NW	3	0	29.82	-47	47	47	+	18	W	6	f	#	S, 0	47	26	0.20	
Wick ...	29.82	29	NW	3	c	29.34	-25	38	38	+	10	S	4	W	3	C	39	28	0.20	
Nairn ...	29.87	31	W	1	b	29.40	-33	43	42	+	12	NSW	3	C	2	b	43	28	0.01	
Aberdeen ...	29.92	29	NSW	3	bc	29.59	-07	35	34	+	6	S	4	og, r, sp	#	q, sp, bc	35	26	0.06	
<b>ENGLAND.</b>																				
Leith ...	29.98	31	W	2	c	29.66	-08	42	40	+	11	SW	3	0	#	C	42	30	-	
Shields ...	29.97	31	NW	2	b	29.85	+12	36	35	+	6	SSW	3	0, sp	#	C, b	37	28	-	
Spurn Head ...	29.96	34	NW	4	b	30.04	+35	32	31	-	3	SSW	4	bc	5	b	38	28	-	
York ...	30.00	31	N	1	b	29.99	+22	34	32	+	5	S	1	0	#	b	38	25	-	
Loughborough	30.04	30	NW	1	b	30.12	+35	32	28	+	8	SW	2	C	#	b	41	23	-	
<b>IRISH ISLANDS.</b>																				
Ardrossan ...	29.98	33	NSW	2	C	29.71	-08	43	43	+	10	SSW	5	0	#	b, c	43	33	0.12	
Malin Head ...	29.98	36	SW	4	0	29.64	-20	46	46	+	11	SW	6	0, d	3	C, 0	46	35	0.07	
Mullaghmore ...																				
Behnullet ...	30.06	42	SW	2	0	29.78	-16	48	47	+	11	SW	5	0	#	b, 0	48	34	0.31	
Donaghadee ...	30.05	32	NW	3	b	29.81	-02	40	40	+	9	SW	5	0	#	b	40	30	0.07	
<b>BRITISH ISLANDS.</b>																				
Liverpool (Bidston)	30.07	35	NW	3	b	29.99	+18	39	37	+	4	SSW	2	0	2	b	39	32	-	
Holyhead ...	30.07	39	NNE	4	b	29.93	+09	44	42	+	5	SW	5	f	#	bc, r, sp	44	35	0.04	
Parsonstown ...	30.12	35	W	0	0	29.93	-01	45	45	+	16	SW	2	0, m	#	bc, r	45	29	0.08	
Valencia ...	30.20	41	W	0	0	30.05	+01	49	47	+	12	SW	4	og, m	#	ch, p, 0	49	36	0.06	
Roche's Point	30.17	39	NW	3	b	30.07	+07	47	47	+	11	NSW	4	0, m	#	b, m	47	35	-	
<b>SCOTLAND.</b>																				
Pembroke (St. Ann's Hd.)	30.12	37	NW	3	b	30.08	+21	45	44	+	6	SW	5	og, w	5	b	45	35	-	
Scilly ...	30.12	43	NW	5	bc	30.19	+31	46	44	+	2	SW	5	C	5	bc, bc	46	40	-	
Prawle Point ...	30.11	36	N	3	C	30.24	+40	40	38	+	5	W	3	bc	2	C	47	31	-	
Jersey (St. Aubin's)																				
Hurst Castle ...	30.04	37	N	2	b	30.23	+43	37	34	+	3	NSW	3	bc	2	bc, b	42	29	-	
<b>ENGLAND.</b>																				
Dungeness ...	29.98	35	N	2	b	30.23	+57	27	26	-	8	N	2	bc	1	b, m	43	25	-	
North Foreland	30.01	37	NW	3	b	30.21	+52	29	27	-	8	NSW	3	b	3	b	38	26	-	
London ...	30.03	36	NW	2	b	30.22	+45	26	25	-	8	S	1	bm	#	bm, bc, b	39	24	-	
Oxford ...	30.11	32	NW	2	b	30.20	+42	28	27	-	6	SE	1	C	#	b	41	27	-	
Cambridge ...	30.02	31	NW	2	bc	30.19	+44	25	25	-	6	S	1	b	#	bc	40	23	-	
Yarmouth ...	29.92	34	NW	4	b	30.12	+46	27	27	-	7	W	3	b	#	bc, b	37	25	-	
<b>GERMANY &amp; HOLLAND.</b>																				
Cuxhaven ...	29.66	39	NSW	4	C	30.04	+57	34	33	-	5	NW	4	b	#	C	41	33	0.01	
Berlin ...	29.73	38	W	4	0	29.99	+38	32	31	-	5	NSW	3	b	#	0	43	32	-	
Wiesbaden ...																				
Munich ...	29.78	33	SW	3	0	30.17	+50	35	33	-	2	W	0	0	#	0	41	34	0.08	
The Helder ...	29.92	37	NSW	5	S	30.17	+57	35	33	-	3	W	1	b	#	TS	39	34	0.08	
<b>FRANCE AND BELGIUM.</b>																				
Brussels (9 a.m.)						30.24	+59	30	29	-	6	NSW	1	S	#	b	40	29	-	
Cape Gris Nez	29.96	37	NNE	4	C	30.16	+51	32	30	-	6	N	1	b	#	C	41	28	-	
Paris ...	29.97	37	N	2	C	30.26	+59	27	27	-	12	NW	1	b	#	C	44	27	0.04	
Brest ...	?	42	NNE	3	C	?	?	41	40	-	0	NE	1	C	#	C	46	36	-	
Lorient ...	30.09	42	N	5	b	30.31	+53	37	34	-	5	W	0	b	#	b	46	34	-	
<b>SPAIN.</b>																				
Rochefort ...	30.03	42	NE	2	bc	30.26	+48	35	33	-	7	NE	3	b	#	bc	50	32	-	
Belfort ...																				
Lyons ...	29.90	36	N	1	f	30.10	+35	34	32	-	12	N	5	0	#	f	46	31	0.41	
Nice ...	29.90	40	E	2	f	29.91	-09	42	42	+	2	E	1	f	#	f	45	39	1.73	
Perpignan ...	29.91	44	NW	3	0	30.10	+27	41	37	+	4	NW	4	bc	#	0	46	37	-	
Biarritz ...	29.97	43	NNE	3	f	30.22	+38	38	38	-	7	NE	3	0	#	f	46	36	0.98	
<b>PORTUGAL.</b>																				
Corunna ..																				
Lisbon ...	30.11	44	NNE	5	C	30.26	+13	42	37	-	4	N	4	b	#	0	52	41	-	

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 24. JAN. 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— 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

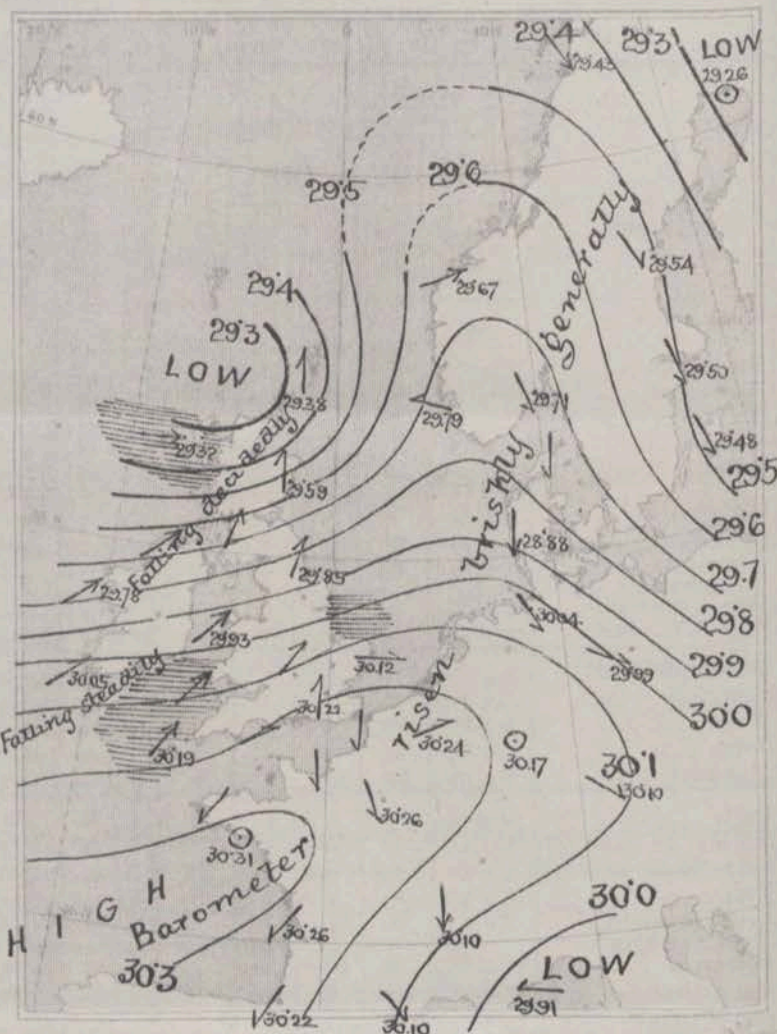
at 8 a.m. for the month of January

During the 20 Years 1871-1890.

### STATIONS.

### MEAN READINGS

STATIONS.	MEAN READINGS
Swanage Head	29.673
Stornoway	29.662
Wick	29.719
Nairn	29.744
Aberdeen	29.787
Leith	29.824
Shields	29.881
Spurn Head	29.926
York	29.942
Loughborough	29.967
Androsburg	29.978
Mullaghmore	29.987
Donaghadee	29.986
Holyhead	29.982
Liverpool	29.984
Barrow-in-Wain	29.985
Valencia	29.987
Rock Point	29.988
Pembroke	29.986
Sally	29.989
Princely Point	29.996
Jersey	30.022
Razet Castle	30.022
Dover	30.012
LONDON	30.000
Oxford	29.990
Cambridge	29.993
Yarmouth	29.970



## 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.

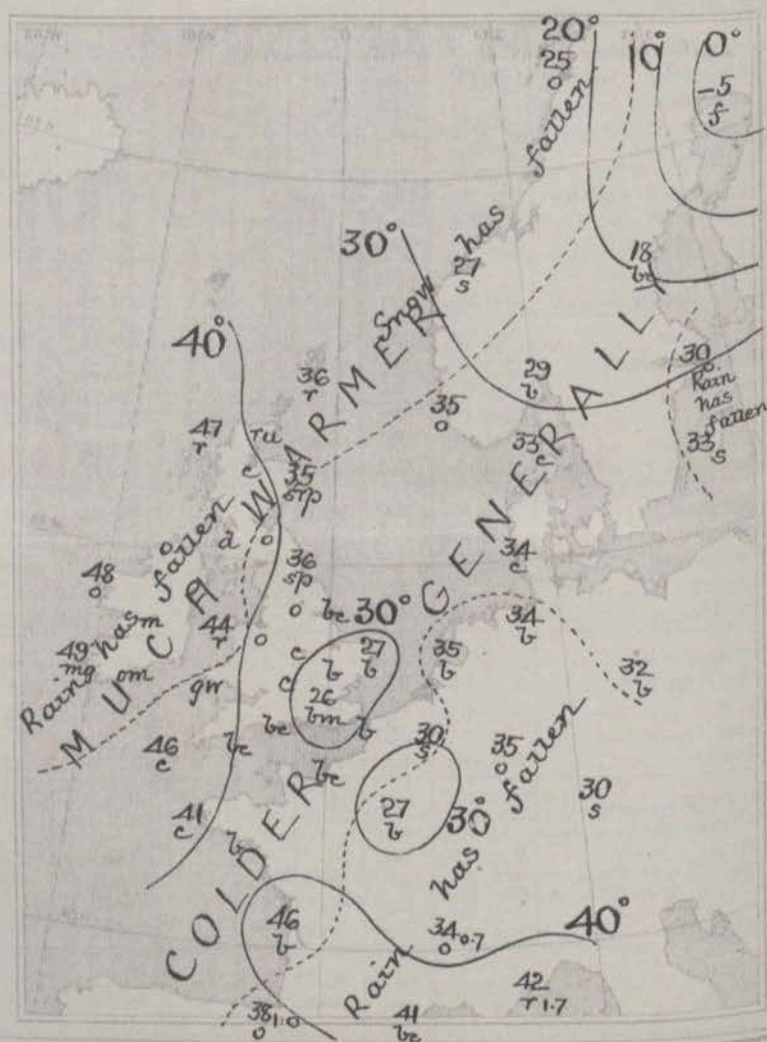
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Totals of 0.2 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of January.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Swanage Head	42.0	34.6	39.7	38.4	0.72
Stornoway	40.8	34.5	39.5	38.4	0.30
Wick	42.4	33.2	38.2	36.8	0.05
Nairn	42.2	32.9	37.2	35.6	0.09
Aberdeen	42.4	33.2	37.2	35.6	0.31
Leith	43.4	33.7	38.6	37.2	0.00
Shields	43.0	34.2	38.2	36.9	0.75
Spurn Head	41.7	34.5	37.7	36.2	0.35
York	42.7	32.3	36.7	35.2	0.87
Loughborough	43.0	32.3	36.4	35.4	0.04
Androsburg	44.2	30.3	40.0	38.2	0.25
Mullaghmore	46.1	35.0	41.0	40.2	0.08
Donaghadee	43.4	36.1	40.0	39.2	0.08
Holyhead	43.0	38.7	41.7	40.3	0.38
Liverpool	45.5	35.2	38.8	37.0	0.22
Barrow-in-Wain	46.6	34.2	38.9	37.8	0.12
Valencia	49.4	39.4	44.3	43.3	0.09
Rock Point	47.2	39.5	43.2	41.9	0.09
Pembroke	45.5	39.6	42.7	41.3	0.75
Sally	48.8	42.9	46.4	44.9	0.79
Princely Point	46.2	37.6	42.0	41.0	0.00
Jersey	45.8	38.3	41.8	40.4	0.21
Razet Castle	45.0	36.3	40.3	39.0	0.04
Dover	43.5	35.8	39.2	38.4	0.08
LONDON	43.1	33.8	37.6	36.6	0.12
Oxford	43.1	33.6	37.1	36.1	0.00
Cambridge	43.3	31.7	36.2	35.4	0.14
Yarmouth	41.0	33.8	37.5	36.7	0.00

**NOTE**—The Temperature means are for the 20 years 1871-90, the Rainfall means are only those for the 25 years 1868-93.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, { 30.2 in: and more to 30.0 in: in an anticyclone covering France, Spain, western Germany, and the south of our Islands, and 29.7 in: and more in a ridge stretching northwards to Norway.

Lowest, 29.4 in: and less over the north of Scotland; 29.5 in: and less over the Baltic.

Gradients increasing over our Islands generally.

Barometer falling decidedly on our north and west coasts, but the change has not yet reached our southeastern coasts.

## TEMPERATURE

Highest, 48° to 49° in the west of Ireland, 47° at Stromness, 46° at Scilly and Rockport.

Lowest, (1) -5° F. at Haparanda, +18° at Helsingfors; (2) 25° at Cambridge, and between 26° and 28° over our eastern and south midland counties generally; (3) 27° at Paris, 30° at Brussels and Munich.

A decided rise has taken place at the Irish and Scotch stations, and the rise is spreading eastwards.

## WIND

N to NW<sup>4</sup>, and fresh, on the eastern shores of the North Sea, but has backed quickly to the SW<sup>2</sup> over our Islands, and is freshening in the west; at Stromness and Malin Head it is strong.

## WEATHER

Very fine over France, Germany, and the eastern and southern counties of England, dull in Ireland and Scotland, with rain at several stations and an unsettled appearance.

Snow or rain showers have fallen in the west and north generally, slight snow showers over Germany, and heavy rain in the south of France.

## SEA

Rough in the Humber, rather so on our southern coasts, moderate in most other places, smooth on our southeast coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southerly and westerly winds are likely to increase in force generally—especially in the north and west—and rainy weather will become general over the Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 25<sup>th</sup> January, 1894

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>2</sup> and SW <sup>2</sup> winds, strong; rainy, unsettled.
1	SCOTLAND EAST	
2	ENGLAND N.E.	{ SW <sup>2</sup> winds, increasing; changeable, showery.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	{ SW <sup>2</sup> breezes, freshening; milder, fair, then showery.
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	} Same as No 0
7	ENGLAND N.W.	
8	ENGLAND S.W.	{ SW <sup>2</sup> and S <sup>2</sup> breezes, increasing; showery, squally, mild.
9	IRELAND NORTH	
10	IRELAND SOUTH	

### 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. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.39	35	33	rtw	8	S	4	Valencia ...	30.16	43	40	rt	4	chp	4
Sumburgh Head	29.70	28	27	rt	3	C	4	Scilly ...	30.04	44	40	rtw	5	bcp	5
Stornoway ...	29.89	34	34	rtw	3	S	3	Jersey ...							
Aberdeen ...	29.65	31	28	rtw	5	bqsp	4	Hurat Castle	29.93	42	39	rt	4	bc	3
Shields ...	29.87	35	33	rtw	4	C	2	Dungeness...	29.84	40	36	rtw	4	b	3
Ardrossan ...	29.93	32	34	rtw	3	b	2	North Foreland...	29.93	38	36	rtw	3	b	
Malin Head ...	29.97	37	34	rtw	2	C	2	London (Westminster)	29.90	41	34	rtw	2	bm	
Mullaghmore ...								Yarmouth ...	29.80	37	34	rtw	4	bc	4
Belmullet ...	30.04	42	37	rtw	3	b		Rochefort ...	29.92	44	42	rtw	2	bc	
Holyhead ...	29.96	40	35	rt	5	bcrsp	4								

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

Weather in morning fine and bright over Central Europe and the south of Russia, as well as over England, the greater part of Ireland, and the northern parts of Sweden; snow falling at Archangel, as well as in Scotland and the north of Ireland, hail at Valencia (Spain) rain over the Baltic, in the southwest and south of France and at Trieste. Sleet or rain later over the west and north of our Islands generally and in Norway; heavy rain in the south of France.

Temperatures fallen decidedly over the British Islands, northern, western, and central Europe. Morning readings exceeding 50° at Malta and on the southern side of the Mediterranean only; 44° at Scilly, 40° and more in the west and south of France. Lowest (1) 12° at Helsingfors, 16° at Skarvanden, 30° at Bodo and Archangel, (2) 28° to 31° at the Scotch stations, 29° at York, Loughborough, and Parnassus. Becoming very cold over England at night, but beginning to rise in Ireland and the rise spreading northwards.

Wind N<sup>1</sup> to NW<sup>1</sup> over Norway, the British Isles, France and Spain, and blowing strongly in the northwest of Norway, at Aberdeen and at Genoa; SW<sup>1</sup> to S<sup>1</sup> over Germany, the Baltic, and Ireland, and blowing a gale at Kirkc; SW<sup>1</sup> on the western side of the Mediterranean, very variable in the south and east. Falling light over our Islands later, and beginning to back to SW again on our extreme western coasts.

Barometer (1) highest 30.2 ins: and more to 30.0 ins: over the Black Sea and southeastern Europe; (2) 30.1 ins: and more in the south of Portugal and exceeding 30.0 ins: over the southwestern half of Spain and the southwest of Ireland. Lowest 29.1 ins: and less, over Lapland, the Kola Peninsula and the White Sea; below 29.3 ins: in a V stretching southwards as Scandinavia, and below 29.7 ins: over the northeast of France. Rising decidedly over Western Europe all day, but rise slackening in the northwest of our Islands later.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on

Thursday, 25<sup>th</sup> January,

1894.

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.				
																		Inch.	°	Inch.
SCANDINAVIA.																				
Haparanda ...																				
Hernösand ...																				
Stockholm ...																				
Wisby ...																				
Bodö ...	29.41	19	SE	0	6	28.74	-69	21	19	-	SE	8	5	4	6	25	18	-		
Christiansund...	29.04	32	SE	8	0	28.82	-85	40	36	+ 13	SW	8	5	4	0	?	25	0.16		
Skudenesnaes ...	29.31	41	SSW	8	1	29.32	-147	43	39	+ 8	SSW	8	5	6	5.5	43	30	-		
Christiania Fjord (Færd)	29.59	39	S	5	5	29.26	-45	38	37	+ 9	SSW	6	6	6	5	38	29	-		
Skagen (The Scaw)	29.67	39	SSW	5	1	29.43	-27	42	41	+ 9	SSW	3	6	2	4.2	32	0.24			
Fanö ...	29.78	36	SSW	8	0	29.70	-18	40	39	+ 6	SSW	6	0	4	0	40	32	0.20		
Sumburgh Head	28.98	44	W	5	0	28.99	-39	36	35	- 0	W	7	7	6	7.0	47	36	0.76		
Stornoway ...	29.09	48	SW	8	1	29.23	-99	36	37	- 9	W	6	6	6	7	49	33	0.32		
Wick ...	29.11	42	SSW	2	6	29.21	-13	35	35	- 3	SSW	5	6	4	6	46	33	0.10		
Nairn ...	29.15	50	SSW	5	0	29.31	-99	37	37	- 6	SSW	1	6	1	6	50	35	0.06		
Aberdeen ...	29.31	44	SSW	5	6	29.40	-19	38	35	+ 3	SW	4	6	3	0.9	50	35	0.02		
Leith ...	29.45	44	SW	4	1	29.54	-12	41	39	- 1	SSW	4	7	4	7	50	39	0.05		
Shields ...	29.63	47	SW	5	0	29.64	-21	43	40	+ 7	SSW	3	7	4	7	50	32	-		
Spurn Head ...	29.80	40	SSW	5	0	29.76	-28	44	43	+ 12	SW	3	0	4	6	45	32	-		
York ...	29.77	42	SSW	3	0	29.76	-23	41	38	+ 7	SSW	1	6	4	6	46	33	0.07		
Loughborough	29.91	42	SSW	5	0	29.83	-29	46	44	+ 14	SW	2	6	4	6	48	32	-		
BRITISH ISLANDS.																				
Ardrossan ...	29.50	47	SSW	4	0	29.56	-15	42	42	- 1	SSW	5	6	4	0	47	41	0.08		
Malin Head ...	29.41	48	SW	7	0	29.53	-11	41	39	- 5	W	5	6	5	0	49	40	0.09		
Mullaghmore ...																				
Belmullet ...	29.63	50	SW	7	0	29.65	-13	45	43	- 3	W	4	6	4	0	50	43	0.07		
Donaghadee ...	29.62	48	SW	6	0	29.65	-16	40	40	- 0	SW	6	6	4	0	49	40	0.01		
Liverpool (Bidston)	29.80	48	SW	5	0	29.80	-19	44	41	+ 5	SW	2	6	2	0	50	39	0.01		
Holyhead ...	29.78	47	SSW	6	0	29.77	-16	45	42	+ 1	SSW	4	6	3	0	48	42	0.05		
Parsonstown ...	29.78	48	SW	4	1	29.78	-15	42	41	- 3	SW	1	6	4	0	49	41	0.02		
Valencia ...	29.90	50	SW	4	0	29.84	-21	45	43	- 4	SW	3	6	4	0	51	44	0.06		
Roche's Point	29.92	50	SSW	4	1	29.88	-19	46	44	- 1	W	3	6	3	0	51	44	0.01		
Pembroke (St. Ann's Hd.)	29.93	47	SW	5	1	29.87	-21	47	45	+ 2	SSW	3	6	4	0	48	45	0.05		
Scilly ...	30.07	49	W	5	0	29.92	-27	49	49	+ 3	SSW	4	6	5	0	51	44	0.07		
Prawle Point ...	30.11	46	SSW	5	0	29.94	-30	48	47	+ 8	SW	4	6	2	0	48	40	0.08		
Jersey (St. Aubin's)	30.21	45	SSW	3	0	30.04	-24	47	45	- 2	SSW	5	6	4	0	47	45	0.02		
Hurst Castle ...	30.06	46	SSW	5	0	29.97	-26	47	46	+ 10	SSW	4	6	4	0	47	36	0.07		
Dungeness ...	30.10	42	SSW	5	0	29.95	-28	45	45	+ 18	SSW	7	6	6	0	45	25	0.01		
North Foreland	30.15	39	SW	5	0	29.94	-27	44	43	+ 15	SW	4	6	3	0	44	28	0.02		
London ...	30.09	42	SW	3	0	29.92	-30	46	45	+ 20	SW	2	6	4	0	46	26	0.05		
Oxford ...	29.98	45	SW	5	0	29.89	-31	46	46	+ 18	SW	1	6	4	0	47	28	0.01		
Cambridge ...	29.99	40	SSW	5	0	29.87	-32	45	45	+ 20	SSW	1	6	4	0	46	24	0.02		
Yarmouth ...	29.99	37	SW	5	0	29.86	-26	44	43	+ 17	SSW	3	6	3	0	44	27	0.01		
GERMANY & HOLLAND.																				
Cuxhaven ...	30.10	35	SSW	2	0	29.87	-17	35	35	+ 1	SW	6	6	4	0	38	34	-		
Berlin ...	30.19	32	SSW	2	0	30.11	+12	32	31	- 0	SSW	3	6	4	0	37	28	-		
Wiesbaden ...						30.27	+10	26	25	- 9	W	1	6	4	0	37	25	-		
Munich ...	30.25	25	SE	2	0	30.30	+20	28	28	- 2	SW	4	6	4	0	32	25	0.04		
The Helder ...	30.05	36	SW	6	0	29.93	-24	39	38	+ 4	SW	7	6	4	0	39	34	0.04		
FRANCE AND BELGIUM.																				
Brussels (P.M.)						30.12	-12	30	?	- 0	SSW	5	6	4	0	37	29	-		
Cape Gris Nez	30.12	40	W	5	0	29.99	-17	42	42	+ 10	SSW	6	6	4	0	42	32	-		
Paris ...	30.29	32	SW	2	0	30.23	-03	29	29	+ 2	W	3	6	4	0	39	27	-		
Brest ...	?	47	SSW	3	0	?	?	46	46	+ 5	SSW	2	6	3	0	50	37	-		
Lorient ...	30.27	43	SW	3	0	30.10	-21	47	46	+ 10	SW	4	6	3	0	46	37	0.04		
Rochefort ...	30.31	40	SSW	3	0	30.26	-00	37	35	+ 2	W	5	6	4	0	46	34	-		
Belfort ...	?	33	NE	2	0	?	?	21	?	- 2	NE	1	6	4	0	33	20	-		
Lyons ...	30.28	34	W	3	0	30.36	+26	28	27	- 6	SSW	1	6	4	0	41	26	-		
Nice ...	30.11	41	NE	2	0	30.23	+27	41	37	- 1	E	3	6	4	0	45	36	0.24		
Perpignan ...	30.24	42	SW	5	0	30.32	+22	32	31	- 9	W	1	6	4	0	46	31	-		
Biarritz ...	30.29	41	SSW	3	0	30.29	+07	37	36	- 1	W	2	6	4	0	41	32	-		
PORTUGAL.																				
Corunna ...																				
Lisbon ...	30.25	45	NE	4	0	30.27	+01	42	36	- 0	NE	5	6	4	0	52	41	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Thursday, 25<sup>th</sup> Jan. 1894

## BAROMETER, WIND AND SEA.

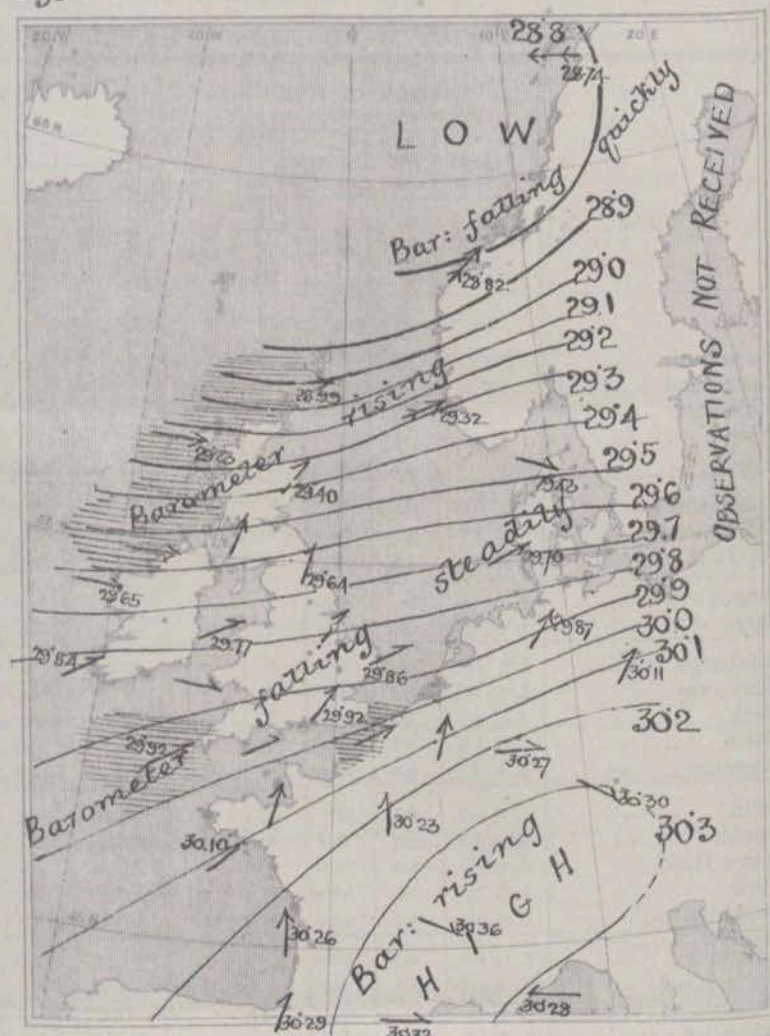
### EXPLANATION OF MAP

**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 5 to 10;  
 — force 3 to 5; — force 1 to 3;  
 — 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 January.  
 (During the 24 Years 1871–1893.)

STATIONS.	MEAN READINGS
Sumburgh Head	29.675
Stormoway	29.682
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.926
York	29.932
Loughborough	29.967
Arbroath	29.838
Mullaghmore	29.817
Donaghadee	29.806
Holyhead	29.902
Liverpool	29.924
Paranstown	29.895
Valencia	29.887
Roshe's Point	29.908
Pembroke	29.936
Sally	29.969
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.062
Dover	30.012
LONDON	30.006
Oxford	29.989
Cambridge	29.993
Yarmouth	29.979



## 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.

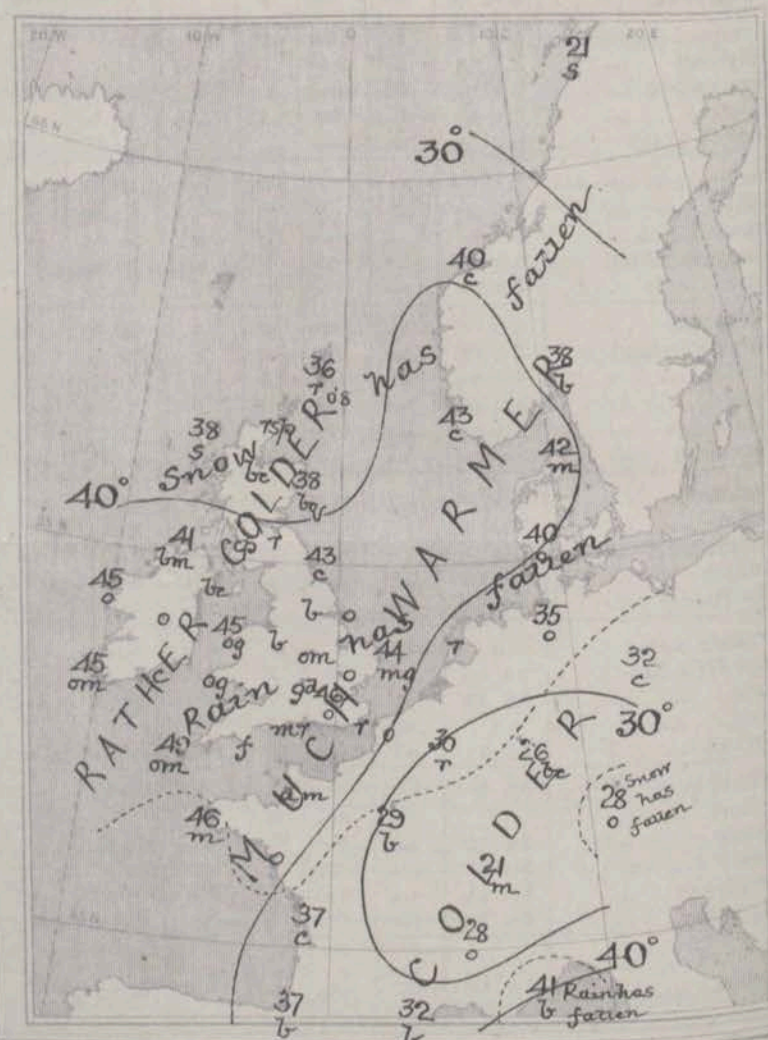
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Day.	Night.	
Sumburgh Head	42.9	35.6	36.7	38.4	3.72
Stormoway	43.3	34.6	36.5	38.4	5.30
Wick	42.4	33.3	35.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.0	1.90
Aberdeen	42.3	33.2	37.3	35.0	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.1	36.7	1.55
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Arbroath	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.0	40.1	4.56
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Paranstown	45.0	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.5	43.3	6.60
Roshe's Point	47.7	39.5	43.2	41.9	5.60
Pembroke	45.5	39.6	42.7	41.3	3.75
Sally	48.8	42.9	46.1	44.0	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	43.0	36.3	40.3	39.5	2.94
Dover	45.5	35.8	39.2	38.1	2.58
LONDON	44.1	33.8	37.0	36.0	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. and more, over southern Europe, and exceeding 30.0 in. all over Germany, France, the Bay of Biscay, and Spain.  
Lowest, 28.8 in. and less, in the northwest of Norway, and below 29.0 in. over the Shetland Islands.

Gradients still steep in the far north, moderate elsewhere.

Barometer rising at the Scotch stations, falling at Valence and over the greater part of England.

## TEMPERATURE

Highest, 48° at Tralee Point, 47° at Jersey and Pembroke, 40° to 46° over Ireland and England generally.

Lowest, (1) 26° at Minsk, 28° at Munich and Lyons, 29° at Paris, 30° at Brussels, (2) 35° to 38° over the northern parts of Scotland.

The rise since yesterday has been rapid over England (as much as 20° at Cambridge and in London) but in Scotland and Ireland a slight fall has set in.

## WIND

SW<sup>2</sup> (StoW) all over our Islands and their neighbourhood, — blowing a gale in Norway, a strong breeze in the north of Scotland, and a moderate breeze over Ireland and England. At Oslo, however, there is a gale from E.

Over France variable light breezes prevail.

A gale from W. was felt in the north of Scotland during the night.

## WEATHER

Fair over France and Germany, and in many parts of Scotland, dull and unsettled elsewhere, with rain at Brussels, as well as at Limerick, Leith, and Ardrossan, snow at Oslo, Wick, and Stromway. The general condition is unstable.

Rain has fallen at nearly all our own and a few of the Continental stations, but the amounts reported are small except at Limerick Head.

## SEA

Very rough in the far north, rough at Scilly and Dover, moderate to slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that a "V" shaped secondary depression is advancing towards us from the westward, and that after some rain the wind will shift to the northward again with colder drier conditions.

## FORECASTS

For the 24 hours ending at NOON on 26<sup>th</sup> January, 1894

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH 2 SCOTLAND EAST 3 ENGLAND N.E. 4 ENGLAND EAST 5 MIDLAND COUNTIES 6 ENGLAND SOUTH	} W <sup>2</sup> and SW <sup>2</sup> winds, force varying greatly; unsettled, rain at times.  } Same as N <sup>o</sup> 5.  } SW <sup>2</sup> winds, mild, unsettled, rain at times.	7 SCOTLAND WEST 8 ENGLAND N.W. 9 ENGLAND S.W. 10 IRELAND NORTH 11 IRELAND SOUTH	} Same as N <sup>o</sup> 0 and 1.  } SW <sup>2</sup> and NW <sup>2</sup> winds; very changeable; rain at times, then finer and colder.  At 6:50 pm yesterday to all coasts "Hoist South Cone"
		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. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.61	33	32	SE.	8	S	5	Valencia ...	29.96	50	50	SW	4	o pm	4
Sumburgh Head ...	29.05	46	46	WSEW	5	r	5	Scilly ...	30.12	50	48	WSEW	5	c pm	5
Stornoway ...	29.19	48	48	W	7	r	6	Jersey ...	30.27	45	40	SW	3	b	3
Aberdeen ...	29.39	43	41	S	3	o q	4	Hurst Castle ...	30.16	45	43	WSEW	4	o	3
Shields ...	29.67	46	46	SSW	5	c	2	Dungeness ...	30.16	42	37	WSEW	4	o	3
Ardrossan ...	29.30	47	46	SSW	6	o	5	North Foreland ...	30.19	49	36	SW	3	b	3
Malin Head ...	29.54	47	46	SW	6	o	4	London (Westminster) ...	30.13	43	38	SSW	2	c	4
Mullaghmore ...								Yarmouth ...	30.06	37	33	SW	4	b	4
Belmullet ...	29.67	50	49	SW	5	o	5	Rochefort ...	30.32	44	40	E	1	b	4
Hoylehead ...	29.67	48	46	WSEW	6	o m	5								

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

Weather in morning fine and bright over the greater part of France, north Germany, and England, and at many of the Spanish and Portuguese stations; dull and unsettled elsewhere, foggy over southeastern and central Europe, and rain or snow falling at many stations both on the Continent and in the north and west of the British Isles. Rain general over the United Kingdom later, but not heavy, except at Lumburgh H<sup>d</sup>; local showers on the Continent.

Temperature fallen decidedly over France, England, and the extreme north of Europe, risen decidedly in Ireland and Scotland. Morning readings exceeding 50° at some of the Mediterranean and Adriatic stations only; exceeding 40° at the coast stations of southern Europe and the western parts of France and the United Kingdom. Lowest (1) - 5° F. at Haparanda, +10° at Ulleaborg, 18° at Helsingfors, 27° at Christiana and Archangel; (2) 30° to 38° over eastern and central Europe; (3) 25° to 29° over our eastern, and south-midland counties, 27° at Paris, 30° at Brussels. Rising rapidly over England later, and exceeding 40° at most of our stations by the evening.

Wind very variable over southeastern and southern Europe and the Mediterranean; (2) S<sup>2</sup> to W<sup>2</sup> over the United Kingdom, and strong in force on our extreme northwest coasts;— (3) NW<sup>1</sup> to N<sup>1</sup> over Sweden and Denmark, W<sup>1</sup> over Germany, S<sup>1</sup> over the northern half of Russia. Increasing to a gale from W. or SW. in the northern parts of Ireland and Scotland later, and to a strong gale from SE. at Skudesnaes.

Barometer highest 30.42 in. at Cronna, and exceeding 30.0 in. all over the Peninsula, France, western Germany, and the southern parts of England and Ireland. Lowest, below 29.3 in. over Lapland, the White Sea, and north of Russia, and apparently off the north of Scotland also; below 29 in. in a shallow depression off the extreme south of France. Falling rapidly in Norway and the north of Scotland later, and gradient there becoming very steep for southwesterly winds.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETRICAL.		SHADE TEMP.			WIND.				Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.				Max.	Min.		
	Inch.	°				Inch.		°	°							°	°	Inch.		
SCANDINAVIA.																				
Haparanda ...	28.92	18	W	2	0	29.22	-13	10	10	+21	SW	2	6	+	0	19	-17	0.16		
Hernösand ...	29.19	35	S	6	6	29.37	+29	31	30	+1	S	2	0	+	6	36	1	-		
Stockholm ...	29.54	37	W	2	6	29.57	+20	35	34	+2	SW	4	0	+	6	41	18	-		
Wisby ...	29.74	37	W	8	6	29.69	+10	36	35	+8	SW	6	0	+	6	39	25	0.04		
Bodö ...	28.65	26	E	6	S	29.01	+27	36	33	+15	S	4	0	2	S	?	19	-		
CHRISTIANIA.																				
Christiansund...	29.09	35	SW	8	0	28.99	+17	34	32	-6	NW	5	5	5	0	40	32	0.24		
Skudesnaes ...	29.39	42	W	7	0	29.20	-12	39	36	-4	W	2	0	5	bc, c	43	34	-		
Christiania Fjord (Færder)	29.47	38	W	6	6	29.29	+03	37	37	-1	S	7	0	5	6	39	34	-		
Skagen (The Scaw)	29.54	39	W	3	6	29.40	-03	37	37	-5	W	3	0	1	6	42	36	-		
Fanø ...	29.66	37	SW	6	0	29.45	-25	36	36	-4	SW	5	0	2	0	40	36	0.16		
SCOTLAND.																				
Sumburgh Head	29.13	35	W	3	0	29.03	+04	31	31	-5	W	3	5	5	0	40	28	0.15		
Stornoway ...	29.17	34	NW	4	0	29.16	-07	32	32	-6	N	4	5	4	50	38	30	0.24		
Wick ...	29.17	33	W	4	0	29.13	-08	31	31	-4	W	4	0	3	0	36	28	0.05		
Nairn ...	29.20	35	W	0	S	29.22	-09	31	30	-6	W	1	0	1	5	40	29	0.18		
Aberdeen ...	29.27	39	S	3	0	29.29	-11	33	30	-5	W	3	0	2	bc, c	44	30	0.01		
ENGLAND.																				
Leith ...	29.28	41	W	3	0	29.40	-14	34	32	-7	SW	3	0	4	0.5	45	32	0.13		
Shields ...	29.46	43	SSW	8	0	29.43	-21	35	33	-8	W	3	0	2	c, b, r	49	34	0.04		
Spurn Head ...	29.57	42	SSW	3	0	29.50	-26	37	35	-7	W	4	0	3	0	44	36	-		
York ...	29.57	44	SSW	3	0	29.53	-23	35	34	-6	W	2	0	4	0	48	34	-		
Loughborough	29.62	45	SSW	1	0	29.59	-24	35	33	-11	W	3	0	4	c, p	48	34	0.03		
IRISH ISLANDS.																				
Ardrossan ...	29.25	44	SSW	6	0	29.44	-12	34	33	-8	W	4	0	3	bc, r	44	34	0.08		
Malin Head ...	29.30	38	NW	4	0	29.42	-11	35	35	-6	W	7	0	5	0.0	43	33	0.21		
Mullaghmore ...																				
Belmullet ...	29.44	38	NW	5	0	29.63	-02	42	39	-3	NW	5	0	4	0.0	45	35	0.40		
Donaghadee ...	29.37	43	SSW	6	0	29.54	-11	32	32	-8	W	6	0	4	0.0	44	28	0.08		
WELSH ISLANDS.																				
Liverpool (Bidston)	29.52	45	SSW	4	0	29.61	-19	38	35	-6	W	6	0	3	0	47	35	0.11		
Holyhead ...	29.43	46	W	5	0	29.65	-12	37	35	-8	NW	6	0	5	0.0	48	31	0.25		
Parsonstown ...	29.43	39	SW	3	0	29.73	-05	31	31	-11	S	1	0	5	0.0	46	31	0.19		
Valencia ...	29.58	44	W	6	0	29.86	+02	44	41	-1	W	6	0	5	c, 0.0	50	35	0.28		
Roche's Point	29.53	48	W	4	0	29.85	-03	36	36	-10	NW	4	0	4	p, s	49	34	0.20		
SCOTLAND.																				
Pembroke (St. Ann's Hd.)	29.58	46	W	3	0	29.76	-11	40	38	-7	NW	5	0	5	0.0	48	39	0.08		
Scilly ...	29.68	49	W	4	0	29.88	-04	43	40	-6	NW	6	0	5	m, c	51	39	0.08		
Prawle Point ...	29.65	47	W	6	0	29.80	-14	47	45	-1	NW	5	0	4	f, a, r	48	35	0.20		
Jersey (St. Aubin's)	29.54	47	S	4	0	29.83	-21	43	38	-4	NW	5	0	4	r, m	47	41	0.57		
Hurst Castle ...	29.71	47	W	7	0	29.72	-25	38	36	-9	NW	4	0	4	0.0	48	37	0.66		
ENGLAND.																				
Dungeness ...	29.77	44	SW	8	0	29.55	-40	40	39	-5	N	6	0	6	0	45	39	0.40		
North Foreland	29.80	44	SSW	6	0	29.54	-40	44	43	-1	NW	6	0	5	0.0	45	39	0.52		
London ...	29.72	46	SW	3	0	29.62	-30	39	37	-7	NW	4	0	4	0.0	49	38	0.18		
Oxford ...	29.57	47	W	3	0	29.66	-23	36	34	-10	NW	3	0	4	0	49	36	0.06		
Cambridge ...	29.66	45	SSW	1	0	29.58	-29	37	36	-8	NW	4	0	4	0	50	36	0.13		
Yarmouth ...	29.69	45	SSW	4	0	29.49	-37	39	38	-5	NW	4	0	4	0.0	47	36	0.03		
GERMANY.																				
Cuxhaven ...	29.88	33	SW	5	0	29.59	-28	34	33	-1	SSW	6	0	4	0	36	33	0.08		
Berlin ...	30.06	36	SW	4	0	29.89	-22	30	28	-2	SSW	3	0	4	0	37	30	-		
Wiesbaden ...						29.88	-39	27	26	+1	S	1	0	4	0	36	25	-		
Munich ...	30.21	27	SE	4	0	29.96	-34	26	26	-2	E	5	0	4	0	32	25	-		
The Helder ...	29.78	38	SSW	6	0	29.51	-42	34	34	-5	SSW	7	0	4	0	39	34	0.39		
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)						29.64	-48	31	?	+1	SSW	8	0	4	0	37	30	0.04		
Cape Gris Nez	29.82	39	SW	6	0	29.50	-49	39	39	-3	SW	7	0	4	0	42	34	0.91		
Paris ...	30.07	36	S	3	0	29.71	-52	32	31	+3	SSW	4	0	4	0	44	29	0.12		
Brest ...		49	SW	3	0	?	?	43	40	-3	NW	5	0	4	0	48	37	0.20		
Lorient ...	29.89	48	SSW	5	0	29.88	-22	42	38	-5	NW	5	0	4	0	50	39	0.43		
SPAIN.																				
Rochefort ...	30.15	41	S	4	0	29.89	-37	44	41	+7	NW	6	0	4	0	50	36	0.47		
Belfort ...																				
Lyons ...	30.25	32	S	1	0	29.93	-43	38	36	+10	S	1	0	4	0	40	28	0.04		
Nice ...	30.21	47	W	0	0	30.04	-24	42	41	+1	SW	2	0	3	0	54	41	0.24		
Perpignan ...	30.22	41	SW	1	0	29.99	-33	32	30	0	W	2	0	4	0	49	31	-		
Biarritz ...	30.14	43	NE	2	0	29.93	-36	45	42	+8	W	5	0	4	0	48	37	0.16		
PORTUGAL.																				
Corunna ...																				
Lisbon ...	30.26	45	N	4	0	30.25	-02	50	48	+8	N	4	0	4	0	?	?	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Friday, 26<sup>th</sup> January, 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

**SEA DISTURBANCE**—Where considerable, is shown thus:

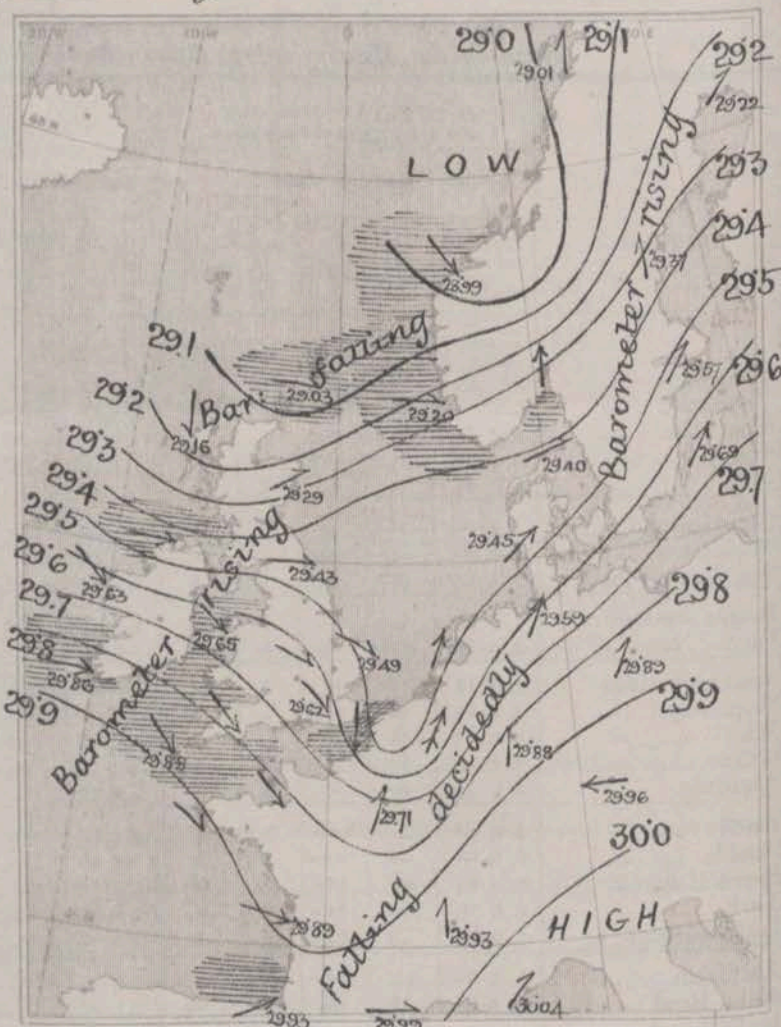
☼ = Rough ☼ = High.

### MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1873-1893.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.075
Stornoway	29.082
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.851
Spurn Head	29.920
York	29.932
Loughborough	29.907
Arbroath	29.878
Mullaghmore	29.817
Donaghadee	29.856
Holyhead	29.902
Liverpool	29.924
Parsipstown	29.805
Valencia	29.887
Rocha's Point	29.908
Pembroke	29.936
Scilly	29.900
Prawle Point	30.000
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.000
Oxford	29.999
Cambridge	29.903
Yarmouth	29.970



## 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.

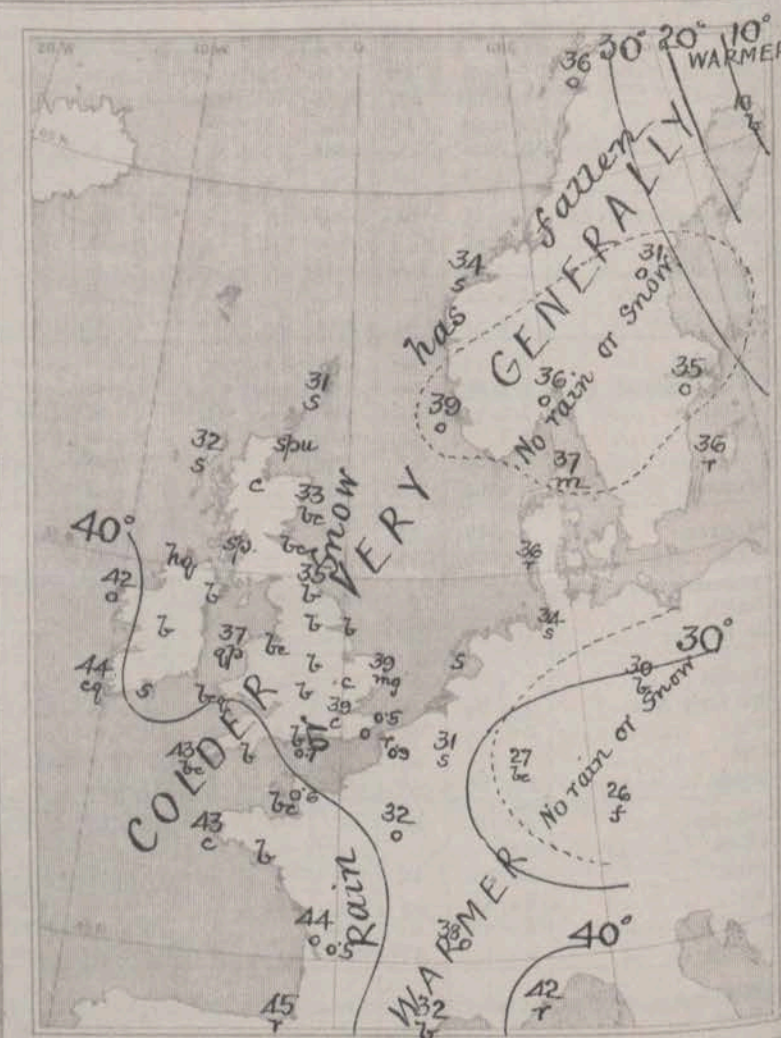
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	42.9	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.94
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Arbroath	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.36
Donaghadee	41.4	36.1	40.0	39.4	5.98
Holyhead	45.6	38.7	41.7	40.3	8.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Parsipstown	43.6	34.2	38.9	37.8	8.12
Valencia	49.5	40.4	44.5	43.3	6.69
Rocha's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.5	3.75
Scilly	48.8	42.9	46.4	44.9	3.73
Prawle Point	40.2	37.0	42.0	41.0	3.60
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.7	40.3	39.5	2.04
Dover	44.5	35.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.0	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.54
Yarmouth	41.5	33.8	37.5	36.7	1.05

**NOTE**—The Temperature means are for the 20 years 1873-93, the Rainfall means are mainly those for the 25 years 1868-93.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 29.9 in: and more (1) over the Bay of Biscay and off our southwest coasts, and (2) over south Germany and the southeast of France.  
 Lowest, 29.0 in: and less, over the northwest of Germany; slightly above 29.0 in: at Lumburg H<sup>d</sup>, and below 29.6 in: over Belgium.  
 Gradient: rather steep, and mainly favourable for NW to W winds on our coasts, and for S winds over Germany.  
 Barometer rising unequally in most places.

## TEMPERATURE

Highest, 50° at Lisbon, 47° at Cape Point, and 40° to 44° on our southwestern coasts and the west coast of France.  
 Lowest, (1) 10° at Haparanda, ~~the South Sea~~ (2) 26 to 30° at the German stations; (3) 31° at Lumburg H<sup>d</sup>, Naurin, and Porembour.  
 It has fallen very decidedly over England and Scotland during the night, risen in the south of France.

## WIND

W<sup>1</sup> at most of the Scotch and Irish stations, NW<sup>1</sup> over England, the Channel, and Bay of Biscay, and blowing strongly in many places; S<sup>1</sup> moderate over Germany, SW<sup>1</sup> fresh to strong over the Baltic, S<sup>1</sup> light over the Gulf of Bothnia.  
 It blew a strong gale from SW. over the Straits of Dover during the night.

## WEATHER

Very changeable — Clear over the greater part of England, less fair elsewhere. Snow is falling over the Netherlands, at Porembour, Lumburg H<sup>d</sup>, and Christiansund, rain at Wick, Faro, Holyhead, and Cape Hg.  
 The fall of rain (or snow) has been very general over our islands and France, and at some of the Channel stations the fall has been heavy.

## SEA

Rough on exposed parts of nearly all our coasts, but smooth in the north-east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Pressure is changing irregularly, and further disturbances are probable, causing strong northwesterly to southwesterly winds and showery weather.

## FORECASTS

For the 24 hours ending at NOON on 27<sup>th</sup> January, 1894

### DISTRICTS.

### FORECASTS.

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

W<sup>1</sup> and NW<sup>1</sup> winds, strong and squally at times; sleet or cold rain.

Wind varying frequently between NW and SW, force also varying, weather changing much, rain at times.

### DISTRICTS.

### FORECASTS.

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

SW<sup>1</sup> to NW<sup>1</sup> winds, strong; squally, unsettled, cold showers.

### 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudeanses ...	29.41	43	39	W.S.W.	8	b.c.	6	Valencia ...	29.61	50	48	S.S.W.	5	c	5
Sumburgh Head ...	29.10	36	36	"	5	o	6	Scilly ...	29.80	50	49	S.S.W.	3	m	5
Stornoway ...	29.24	36	36	N.W.	3	s	3	Jersey ...	29.95	47	46	S	5	o.r.m.	4
Aberdeen ...	29.36	42	37	S.W.	5	b.q.	3	Hurst Castle ...	29.81	47	46	N.S.W.	6	o.r.m.	5
Shields ...	29.36	45	43	S.W.	3	c	2	Dungeness ...	29.85	44	44	S.W.	8	s	7
Ardrossan ...	29.44	44	43	S.S.W.	6	b.c.	5	North Foreland ...	29.85	45	44	S.W.	6	o	4
Malin Head ...	29.30	42	40	S.S.W.	7	o	5	London (Westminster)	29.81	50	48	S.S.W.	2	g.m.d.	4
Mullaghmore ...								Yarmouth ...	29.78	47	46	S.W.	3	o	4
Belmullet ...	29.42	42	40	N.S.W.	7	o.q.p.	3	Rochefort ...	30.22	39	39	S	4	o	4
Holyhead ...	29.64	46	42	N.S.W.	4	o.q.m.	3								

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

*Continental Information will appear tomorrow.*

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on

Saturday, 27<sup>th</sup> January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																				
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.		
		Inch.	°				Inch.	°	°	°							°	Inch.		
SCANDINAVIA.																				
Haparanda ...	29.10	32	SSW	4	S	28.76	-46	33	33	+23	W	2	0	4	5	33	3	0.35		
Hernösand ...	29.01	33	S	4	S	29.01	-36	24	23	-7	W	2	6	4	5	37	23	0.12		
Stockholm ...	29.30	34	S	2	O	29.38	-19	33	31	-2	W	4	6	4	6	39	32	-		
Wisby ...	29.47	36	SSW	6	O	29.66	-13	35	33	-1	W	6	6	4	6	37	32	20.05		
Bodö ...	28.90	33	E	2	bc	28.65	-36	34	29	-2	ESE	2	0	1	bc	36	28	-		
BRITISH ISLANDS.																				
Christiansund...	28.96	34	SW	8	bc	28.57	-42	36	32	+2	SE	4	0	6	bc	36	32	0.12		
Skudesnaes ...	29.27	38	W	6	bc	28.88	-32	44	43	+5	SSW	8	4	6	c, bc	?	38	-		
Christiania Fjord (Fjorder)	29.22	36	W	6	bc	29.16	-13	37	37	0	S	7	4	5	bc	37	34	-		
Skagen (The Scaw)	29.38	35	W	1	O	29.29	-11	37	36	0	W	3	4	2	O	39	32	0.20		
Fanö ...	29.56	36	W	4	O	29.47	+02	39	39	+3	W	4	4	4	O	39	34	0.32		
Sumburgh Head	29.09	34	W	2	O	28.51	-52	41	39	+10	W	6	0	6	S, O	41	31	0.38		
Stornoway ...	29.18	35	W	4	S	28.75	-41	36	36	+4	W	4	4	5	c, bc, S	36	29	1.00		
Wick ...	29.18	33	W	1	bc	28.68	-45	42	41	+11	W	4	0	3	sp, O	44	29	0.25		
Nairn ...	29.21	35	W	1	bc	28.80	-42	45	43	+14	W	1	4	2	S, bc	45	28	0.37		
Aberdeen ...	29.35	34	SSW	3	O	28.90	-39	46	44	+13	SW	7	0	3	bc	49	32	0.18		
Leith ...	29.41	36	SW	3	O	29.06	-34	50	48	+16	SSW	7	0	4	O	50	31	0.09		
Shields ...	29.55	39	SW	4	p	29.20	-23	49	46	+14	SW	7	0	2	bc, p	49	34	-		
Spurn Head ...	29.68	38	W	4	O	29.48	-02	46	44	+9	SSW	5	0	4	O	46	37	-		
York ...	29.66	39	SW	3	r	29.44	-09	50	47	+15	SW	5	0	4	r	50	35	0.05		
Loughborough	29.79	39	W	5	bc	29.64	+05	48	45	+13	SW	5	0	4	bc, p	49	35	0.04		
GERMANY & HOLLAND.																				
Ardrossan ...	29.41	42	SW	4	o, q, r, s	29.07	-37	50	49	+16	SW	8	0	5	o, q, r, s	50	34	0.07		
Malin Head ...	29.30	42	SW	6	or	29.02	-40	47	47	+12	SW	7	0	5	o, r	49	35	0.23		
Mullaghmore ...																				
Belmullet ...	29.51	48	W	6	op	29.24	-39	50	48	+8	SW	7	0	4	r, p	50	37	0.42		
Donaghadee ...	29.52	42	SW	6	r	29.21	-33	50	49	+18	W	9	0	7	r	50	32	0.06		
FRANCE AND BELGIUM.																				
Liverpool (Bidston)	29.69	42	SW	4	c	29.51	-10	49	46	+11	SW	6	0	4	c	49	37	0.07		
Holyhead ...	29.71	44	SW	7	o, q	29.50	-15	48	46	+11	W	8	0	6	bc, o, q	49	32	0.05		
Parsonstown ...	29.66	45	SW	4	O	29.47	-26	51	48	+20	SW	8	0	4	O	51	30	0.13		
Valencia ...	29.83	50	SW	7	O	29.61	-25	51	51	+7	SW	7	0	4	o, q, m	52	43	0.07		
Roche's Point	29.84	48	W	4	cm	29.69	-16	51	49	+15	W	5	0	4	m, c	51	36	0.10		
SPAIN & PORTUGAL.																				
Pembroke (St. Ann's Hd.)	29.82	46	W	6	r	29.70	-06	49	48	+9	SW	7	0	4	bc, r	49	37	0.04		
Scilly ...	30.00	48	SW	6	r	29.93	+05	49	49	+6	W	7	0	6	bc, r	50	39	0.02		
Prawle Point ...	30.01	45	W	5	bc	29.93	+13	48	47	+1	W	6	0	5	bc, bc	48	36	0.02		
Jersey (St. Aubin's)	30.08	44	W	4	bc	30.08	+25	48	46	+5	SW	5	0	4	c, bc	48	41	-		
Hurst Castle ...	29.97	43	W	4	O	29.90	+18	48	47	+10	W	7	0	5	O	48	38	-		
AFRICA & ASIA.																				
Dungeness ...	29.91	39	W	4	bc	29.84	+29	48	47	+8	W	6	0	5	c, bc	47	38	-		
North Foreland	29.88	38	W	4	O	29.82	+28	48	46	+4	W	6	0	4	O	48	36	-		
London ...	29.92	39	W	2	O	29.81	+19	48	45	+9	SW	6	0	4	bc, q, p, o, q	48	37	0.01		
Oxford ...	29.88	40	W	3	O	29.76	+10	48	45	+12	SW	3	0	4	bc, O	48	36	-		
Cambridge ...	29.86	37	SSW	5	O	29.72	+14	48	46	+11	SSW	8	0	4	O	49	34	-		
Yarmouth ...	29.79	37	W	4	O	29.68	+19	47	45	+8	SW	5	0	4	bc, bc	47	35	-		
GERMANY & HOLLAND.																				
Cuxhaven ...	29.56	36	SW	6	r	29.71	+12	36	36	+2	SW	8	0	4	r	37	33	0.16		
Berlin ...	29.75	36	SW	1	O	30.01	+12	33	31	+3	W	3	0	4	O	41	30	-		
Wiesbaden ...						30.20	+32	32	31	+5	SW	2	0	4	bc	37	27	-		
Munich ...	29.99	25	SE	2	O	30.29	+38	31	31	+5	SW	3	0	4	O	?	25	0.04		
The Helder ...	29.84	38	W	3	O	29.74	+23	41	41	+7	SW	8	0	4	O	41	34	0.28		
FRANCE AND BELGIUM.																				
Brussels (B. M.)						30.02	+38	37	36	+6	SSW	6	0	4	O	37	30	0.04		
Cape Gris Nez	29.91	41	W	6	O	29.89	+39	46	45	+7	W	6	0	4	O	?	36	-		
Paris ...	30.09	35	W	1	O	30.19	+48	36	34	+4	SW	3	0	4	O	42	32	0.12		
Brest ...		43	W	3	O			50	48	+7	W	4	0	4	O	50	37	0.20		
Lorient ...	30.19	44	W	5	O	30.18	+30	48	46	+6	W	5	0	4	O	48	41	-		
AFRICA & ASIA.																				
Rochefort ...	30.21	44	W	5	O	30.30	+41	44	43	0	S	4	0	4	bc	47	39	-		
Belfort ...																				
Lyons ...	30.16	39	W	3	O	30.39	+46	31	29	-7	W	1	0	4	O	47	30	0.04		
Nice ...	30.01	44	W	0	O	30.15	+11	40	39	-2	E	3	0	2	O	48	37	0.12		
Perpignan ...	30.16	45	W	3	O	30.34	+35	39	35	+7	W	2	0	4	O	51	32	-		
Barritz ...	30.25	45	W	5	r	30.36	+43	40	38	-5	SW	2	0	5	r	50	39	0.20		
AFRICA & ASIA.																				
Corunna ...																				
Lisbon ...	30.57	48	N	5	O	30.42	+17	44	39	-6	W	4	0	4	O	54	43	-		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Saturday, 27<sup>th</sup> January, 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

**SEA DISTURBANCE**—Where considerable, is shown thus—

— Rough. — High

### MEAN HEIGHT OF THE BAROMETER

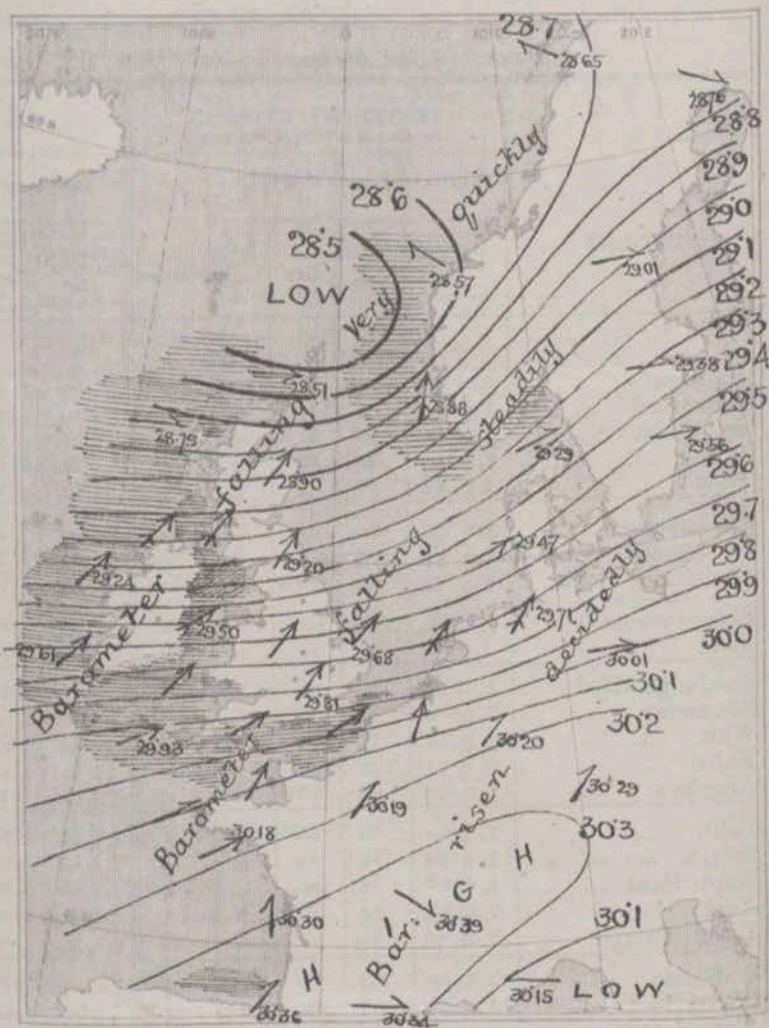
at 8.0 a.m. for the month of January.

During the 20 Years 1871—1900

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunbury Head	29.675
Stornoway	29.682
Wick	29.713
Nairn	29.715
Aberdeen	29.797
Leith	29.825
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.967
Ayr	29.838
Mullaghmore	29.817
Douglashead	29.856
Holyhead	29.902
Liverpool	29.924
Portsmouth	29.895
Valencia	29.887
Roche's Point	29.968
Pembroke	29.936
Sally	29.969
Beauly Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.001
Oxford	29.999
Cambridge	29.993
Vermouth	29.979



## 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.

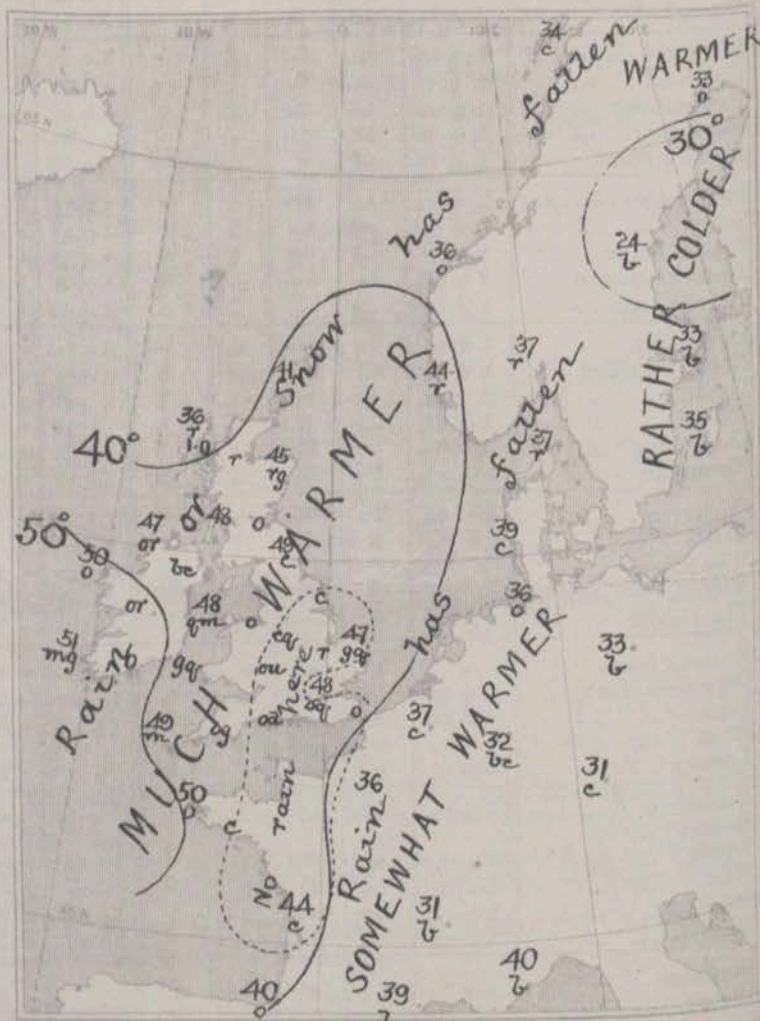
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sunbury Head	42.9	35.6	39.7	38.4	5.72
Stornoway	43.3	34.6	39.5	38.4	5.30
Wick	42.4	35.3	38.2	38.8	2.05
Nairn	42.8	32.9	37.2	35.6	1.00
Aberdeen	42.4	33.2	37.2	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.08
Shields	43.0	34.2	38.2	36.9	1.70
Spurn Head	41.7	34.6	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.57
Loughborough	43.0	32.3	35.4	35.4	2.04
Ayr	44.2	36.3	40.0	38.8	4.35
Mullaghmore	46.1	38.0	41.6	40.1	1.30
Douglashead	45.4	36.1	40.0	39.2	2.95
Holyhead	45.6	38.7	41.7	40.3	3.35
Liverpool	45.3	35.9	38.6	37.0	2.22
Portsmouth	45.6	34.2	38.0	37.8	3.15
Valencia	49.5	40.4	41.5	43.3	6.49
Roche's Point	47.7	39.5	43.1	41.9	5.59
Pembroke	45.6	39.2	42.7	41.3	3.75
Sally	48.8	42.9	46.1	44.9	3.73
Beauly Point	46.2	37.0	42.0	41.0	3.06
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.3	2.04
Dover	45.5	35.8	39.3	38.1	2.38
LONDON	44.1	33.8	37.0	36.0	2.12
Oxford	43.1	33.6	37.1	36.1	2.53
Cambridge	43.3	31.7	36.2	35.4	1.51
Vermouth	41.5	31.8	37.5	36.7	1.95

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 in. and more over the Peninsula and southwest of France, and exceeding 30.0 in. over the Bay of Biscay, France, and Germany, as a whole.

Lowest, 28.5 in. and less, in a depression over the Shetlands and neighbouring parts of the Atlantic.

Gradients steep generally for SW winds.

Barometers still falling fast in the north and west, slightly on our southeast coasts, rising over Germany and the south of France.

## TEMPERATURE

Highest, 50° at Brest, Bournemouth, Litch, and Androssan, 51° at Valencia (Ireland) and Rock Point.

Lowest, (1) 24° at Hovöand, 33° at Stockholm and Haparanda, (2) 31° at Munich and Lyons, 32° at Wiesbaden, 36° at Paris.

It has risen very decidedly over Ireland and is rising fast over England.

## WIND

SW<sup>3</sup>, strong or a gale over Ireland, England and the Channel, as well as in Holland; S<sup>2</sup>, a gale, in the southwest of Norway; SE<sup>2</sup>, moderate at Christiania and Bodø.

The gale has been strong over the Irish Sea in the night; and appears to be spreading eastwards.

## WEATHER

Cloudy, squally and very unsettled except over Germany and the south of France. Rain is falling at many of the northern stations. Snow fell fast in those regions yesterday, and rain over Ireland, but it is only in the extreme northwest and north that the fall was large.

## SEA

Light to moderate off our northeast and east coasts (where wind is blowing off the land) very rough elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The gale seems likely to spread to our northeast, east, and south coasts during the day, and afterwards to veer NW<sup>3</sup> and moderate with colder weather. Our southeast, west, and northwest coasts were warned yesterday, our south and east coasts this morning.

## FORECASTS

For the 24 hours ending at NOON on

28<sup>th</sup> January,

1894

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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

SW<sup>2</sup> and W<sup>2</sup> gales; squally, rain at times, very changeable.

SW<sup>2</sup> gales and strong winds; veering to NW later, with colder weather.

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

SW<sup>2</sup> to NW<sup>2</sup> gales, moderating later; very changeable, squally, and unsettled.

### WARNINGS

The Cone is up 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.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.23	39	36	N	6	c	5	Valencia ...	29.85	48	47	SW	6	o g m	5
Sumburgh Head ...	29.08	31	31	W	3	S	4	Scilly ...	30.00	42	39	W	5	b c p	4
Stornoway ...	29.22	35	35	N	3	b c	3	Jersey ...	29.98	47	40	NW	5	c	4
Aberdeen ...	29.33	36	32	SW	3	b	2	Hurst Castle ...	29.67	44	41	NW	6	c	4
Shields ...	29.81	40	37	WSW	5	b c	2	Dungeness ...	29.79	43	39	NW	4	c	3
Ardrossan ...	29.44	40	39	WSW	4	o	3	North Foreland ...	29.79	40	37	NW	6	b	4
Malin Head ...	29.45	41	40	SW	5	o	4	London (Westminster) ...	29.80	44	38	WNW	3	b	4
Mullaghmore ...								Yarmouth ...	29.67	41	38	WNW	5	b c	4
Belmullet ...	29.57	44	43	WSW	5	T	4	Rocheport ...	30.06	47	42	NW	5	b	4
Holyhead ...	29.70	42	39	W	6	b c	5								

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

Weather in morning dull and foggy over southeastern and central Europe, fine and bright over north Germany, several of the western and south-western parts of our Islands and at Oporto, but very changeable and unsettled over all the north-western countries. Snow falling at several of the Irish and Scotch stations, at Christiansund and Archangel, and over the Netherlands; rain in several parts of France, at Tene and also at Trieste. Much snow and rain at Tromsø during the day, smaller quantities over Scotland and Ireland generally, and slight rain in many parts of England and France.

Temperature fallen over the British Islands and Norway, risen in the south of France, and changing fitfully in most countries. Morning readings highest 50° and more on the southern side of the Mediterranean only; 47° at Genua and Bowle Point, 44° at Rochefort and Valencia. Lowest 10° F. at Haparanda, 15° at Archangel; (2) 20° at Odessa and Kiev, 22° at Prague, 23° at Rharbort, 26° at Munich. Changes very irregularly over our Islands later, but, as a whole, rising in the west.

Wind light and anticyclonic over southeastern Europe, Italy, and the southern parts of the Mediterranean. Cyclonic elsewhere, and (1) W<sup>1</sup> to NW<sup>2</sup> over the British Islands and Bay of Biscay (a gale on the Spanish coast), but S<sup>3</sup>, fresh to strong, over the Netherlands and the Baltic, and SW<sup>2</sup>, light, over Denmark, and W<sup>1</sup> to N<sup>1</sup>, light, in Scotland. Backing to SW. on our western coasts later, and increasing to a gale, but continuing N<sup>2</sup> on the coast of the Peninsula.

Barometer highest (1) 30.4 ins. and more to 30.1 ins. over southeastern Europe, including Italy and Malta, (2) 30.3 ins. and more to 30.1 ins. over the greater part of the Spanish Peninsula, and exceeding 30.5 ins. over the Azores. Lowest 29.0 ins. and less in a complex depression off the coast of Norway, and about 29.5 ins. in a V-shaped secondary between the Thames and the Dutch coast. Rising fast later over France, Holland, and the east of England, but falling again in Ireland.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Sunday 28<sup>th</sup> January,

1894.

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.				
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	MAX.	MIN.	Amount of Rainfall.		
Inch.	°				Inch.	°	°	°									°	Inch.		
SCANDINAVIA.																				
Haparanda ...	28.57	27	SW	6	S	28.34	-.42	27	26	-	6	SW	4	bc	4	S	32	19	0.12	
Hernösand ...	28.30	27	SSE	8	bc	28.57	-.44	31	29	+	7	L	0	bc	3	bc	37	19	-	
Stockholm ...	28.95	29	SW	6	0	28.97	-.41	38	36	+	5	SW	6	bc	4	0	41	32	0.04	
Wisby ...	29.27	28	WSW	9	0	29.17	-.29	40	39	+	5	SW	8	bc	4	0	40	37	-	
Bodö ...	28.20	26	E	5	S	28.11	-.54	31	29	-	3	NE	4	5	2	S	34	23	-	
BRITISH ISLANDS.																				
Christiansund ...	28.32	27	SSW	9	r	28.44	-.12	35	34	-	1	SW	8	r	6	bc	29	32	0.28	
Skudeaanæs ...	28.83	41	WSW	7	bc	28.86	-.02	40	37	-	4	WSW	8	c	6	bc	45	39	-	
Christiania Fjord (Vander)	28.84	40	WSW	8	0	28.85	-.31	37	35	0	WSW	8	bc	5	0	41	34	-		
Skagen (The Scaw)	28.99	39	W	3	0	29.01	-.28	37	36	0	W	2	c	2	0	43	34	0.39		
Fanø ...	29.49	42	WSW	8	0	29.25	-.22	39	37	0	W	5	bc	4	0	43	36	0.20		
Sumburgh Head	28.53	40	W	6	c	28.51	-.03	40	36	-	1	W	6	c	6	bc	42	38	0.30	
Sornoway ...	28.74	36	NW	6	S	28.70	-.05	38	38	+	2	W	6	c	6	bc	41	33	0.22	
Wick ...	28.73	37	W	8	0	28.57	-.11	33	32	-	9	WSW	4	ow	3	0.2	41	31	0.10	
Nairn ...	28.24	36	SW	2	bc	28.73	-.07	35	34	-	10	SW	7	0	4	bc, s, r, s	48	32	0.13	
Aberdeen ...	28.96	37	WSW	5	bc	28.24	-.06	34	32	-	12	SSW	6	cq	4	bc, p, s	47	33	0.02	
Leith ...	29.05	38	W	4	0	29.02	-.04	34	33	-	16	SW	5	S	4	0	51	32	0.35	
Shields ...	29.17	42	SW	5	r	29.22	+.02	37	35	-	12	SW	5	bc	2	p, r, s, p	54	32	0.14	
Spurn Head ...	29.31	47	SW	5	r	29.41	-.07	36	34	-	10	WSW	5	bc	4	p, r	50	35	0.09	
York ...	29.26	49	SW	6	c	29.39	-.05	37	35	-	13	W	4	bc	4	c	53	34	0.14	
Loughborough	29.43	51	SW	6	0	29.54	-.10	36	33	-	12	W	5	bc	4	0	53	35	0.09	
GERMANY & HOLLAND.																				
Androssan ...	29.12	39	SW	7	c	29.13	+.06	40	38	-	10	SW	8	cq	5	cq	50	35	0.26	
Malin Head ...	29.09	36	W	7	c	29.18	+.16	40	36	-	7	W	8	bc	6	bc, s, r	47	35	0.11	
Mullaghmore ...																				
Belmullet ...	29.31	37	SW	8	cq	29.45	+.21	39	34	-	11	WSW	7	bc	5	bc, p	50	31	0.20	
Donaghadee ...	29.25	41	SW	8	c	29.31	+.10	33	33	-	17	WSW	6	bc	5	bc	52	28	0.27	
FRANCE AND BELGIUM.																				
Liverpool (Bidston)	29.38	43	W	7	0	29.46	-.05	37	34	-	12	WSW	8	bc	6	0	51	36	0.16	
Holyhead ...	29.36	45	NW	7	c	29.46	-.04	38	34	-	10	W	7	c	6	bc, c	49	31	0.05	
Parsonstown ...	29.23	42	SW	6	bc	29.56	+.09	33	32	-	18	SW	7	bc	6	bc	52	32	0.27	
Valencia ...	29.59	46	SW	8	bc	29.74	+.13	41	39	-	10	WSW	8	bc	7	g, bc, s, r	52	35	0.21	
Roche's Point	29.55	47	WSW	5	bc	29.73	+.04	37	37	-	14	W	5	p	4	r, bc, s, p, l	52	34	0.40	
Pembroke (St. Ann's Hd.)	29.62	48	WSW	7	c	29.64	-.06	41	39	-	8	W	7	bc	7	c	49	36	0.14	
Scilly ...	29.73	51	SW	7	m	29.83	-.10	44	42	-	5	WSW	7	cq	6	p, m	52	40	0.14	
Prawle Point ...	29.74	49	WSW	7	c	29.84	-.09	36	35	-	13	WSW	4	bc	2	bc	49	36	0.13	
Jersey (St. Aubin's)	29.94	48	SW	5	cq	29.90	-.18	44	39	-	4	WSW	5	bc	5	bc	52	41	0.23	
Hurst Castle ...	29.73	49	WSW	8	0	29.72	-.18	41	39	-	7	W	7	bc	6	c, o	51	42	0.21	
SPAIN & PORTUGAL.																				
Dungeness ...	29.71	48	WSW	7	0	29.69	-.15	39	37	-	9	W	5	bc	4	c, r	49	39	0.08	
North Foreland	29.69	49	SW	7	cq	29.65	-.17	39	36	-	9	W	5	bc	4	cq	50	37	0.20	
London ...	29.65	49	SW	7	cq	29.64	-.12	36	34	-	12	W	3	bc	4	bc	52	36	0.10	
Oxford ...	29.54	49	SW	7	r	29.65	-.11	37	34	-	11	WSW	3	bc	4	bc	50	36	0.04	
Cambridge ...	29.30	51	SSW	10	0	29.61	-.11	37	34	-	11	SSW	7	bc	4	0	52	35	0.03	
Yarmouth ...	29.51	49	SW	7	cq	29.53	-.15	37	35	-	10	WSW	4	bc	3	bc, cq	50	35	0.24	
AFRICA & ASIA.																				
Cuxhaven ...	29.63	42	SSW	7	r	29.48	-.23	39	38	+	3	WSW	4	bc	4	r	43	39	0.32	
Berlin ...	29.86	40	SW	5	0	29.66	-.35	41	39	+	8	WSW	5	0	4	0	41	37	-	
Wiesbaden ...						29.83	-.37	40	38	+	8	SW	4	0	4	0	41	39	-	
Munich ...	30.22	29	SW	3	bc	30.03	-.26	39	27	-	2	SW	6	bc	4	bc	37	28	-	
The Helder ...	29.56	44	SW	9	r	29.53	-.21	41	38	-	0	SW	5	bc	3	r	45	41	0.12	
ITALY & GREECE.																				
Brussels (a.m.)						29.71	-.31	42	40	+	6	WSW	5	0	4	c	45	36	0.08	
Cape Gris Nez	29.76	46	WSW	7	r	29.68	-.21	42	41	-	4	WSW	7	bc	7	r	48	39	0.20	
Paris ...	30.09	43	SSW	5	0	29.84	-.35	44	44	+	8	SW	4	r	4	0	45	42	0.04	
Brest ...		50	WSW	5	0			45	44	-	5	NNW	5	c	4	0	55	39	0.16	
Lorient ...	30.07	49	WSW	5	0	29.98	-.20	45	41	-	3	NNW	6	bc	4	0	50	43	0.08	
AMERICA.																				
Rochefort ...	30.23	47	WSW	2	0	30.04	-.26	48	48	+	4	W	5	r	4	bc	54	41	0.32	
Belfort ...		33	W	2	bc			38	37			SW	3	0	4	bc	39	28	-	
Lyons ...																				
Nice ...	30.21	46	L	0	bc	30.11	-.04	40	36	0	E	2	bc	4	bc	54	37	-		
Perpignan ...	30.31	44	NW	4	bc	30.21	-.13	41	35	+	2	WSW	2	bc	4	bc	52	37	-	
Biarritz ...	30.22	49	W	3	0	30.14	-.24	47	43	+	7	SW	3	0	4	0	50	43	-	
AFRICA & ASIA.																				
Corunna ...																				
Lisbon ...	30.41	47	NNW	4	bc	30.40	-.02	47	45	+	3	NNW	4	0	4	bc	54	45	-	

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Sunday, 28<sup>th</sup> Jan<sup>y</sup> 1894

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

**SEA DISTURBANCE**—Where considerable, is shown thus:

☐ = Rough ☐ = High

### MEAN HEIGHT OF THE BAROMETER.

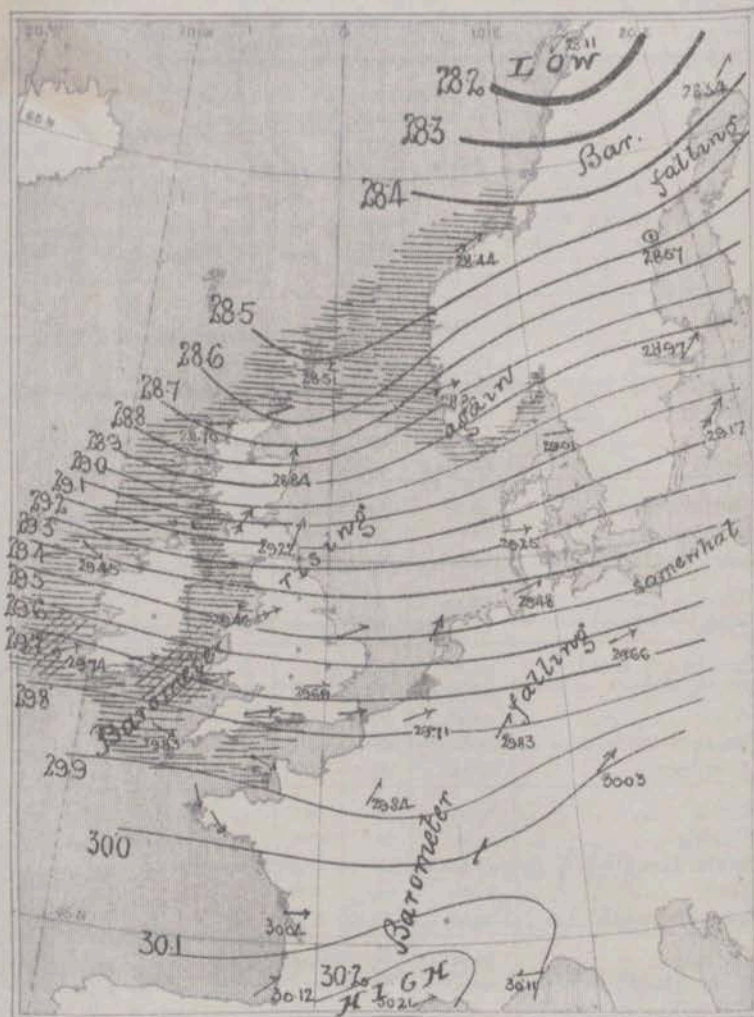
at 8.0 a.m. for the month of January.

During the 20 Years 1871—1890.

#### STATIONS.

#### MEAN READINGS

STATIONS.	MEAN READINGS
Sumburgh Head	29.073
Stornoway	29.082
Wick	29.710
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.967
Ardrrossan	29.878
Mullaghmore	29.817
Donaghadee	29.826
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.905
Valencia	29.887
Roche's Point	29.968
Pembroke	29.936
Solly	29.909
Prawle Point	30.006
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.006
Oxford	29.999
Cambridge	29.993
Yarmouth	29.970



## 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.

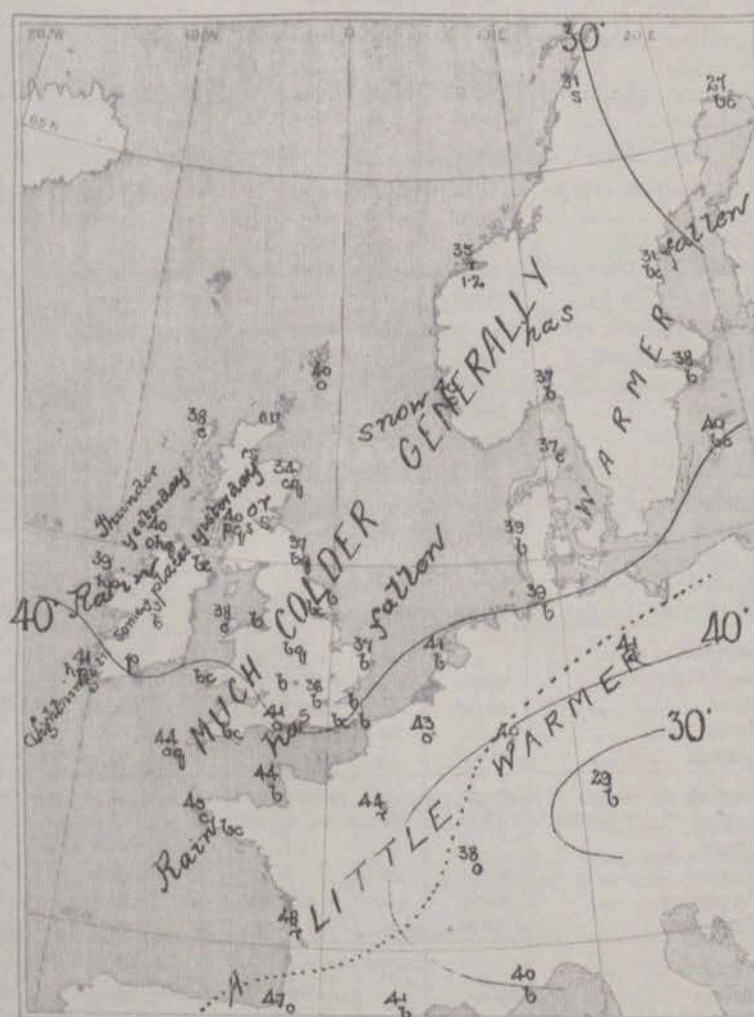
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet at 8 a.m.	
Sumburgh Head	42.0	35.6	39.7	38.4	3.72
Stornoway	43.3	34.5	39.8	38.4	5.30
Wick	42.4	33.8	38.2	36.8	2.05
Nairn	42.2	32.9	37.2	35.6	1.99
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.93
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.4	38.0	41.6	40.4	4.86
Donaghadee	44.4	36.1	40.0	39.2	2.98
Holyhead	45.6	38.7	41.7	40.3	3.38
Liverpool	42.5	35.2	38.8	37.0	2.22
Parsonstown	45.6	34.2	38.9	37.9	3.12
Valencia	49.5	40.1	44.5	43.3	6.09
Roche's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.3	3.75
Solly	48.8	42.9	46.4	44.9	3.73
Prawle Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	3.21
Hurst Castle	45.0	36.3	40.3	39.5	2.94
Dover	43.5	35.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	33.6	37.1	36.1	2.26
Cambridge	43.3	31.7	36.2	35.4	1.34
Yarmouth	41.5	33.8	37.5	36.7	1.95

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins: and more over the south-western half of Spain, and above 30.0 ins: over the rest of the Peninsula and the the southern part of France.  
 Lowest, 28.1 ins: over the west of Lapland, and 28.5 ins: over the northern part of the Netherlands.  
 Gradients very steep over the northern parts of our islands, the North Sea, and southern half of Scandinavia.  
 Barometers rising again in our islands.

## TEMPERATURE

Highest, 48° at Rochefort, 47° at Lisbon and Rheims, 45° at Brest, 44° at Lillo, 41° at Valencia, 40° at Lumburg 11<sup>th</sup> and Westy.  
 Lowest, 11.2° at Haparanda, 31° at Bodö and Helsingfors, 29° at Munich, 38° at Brest.  
 It has fallen decidedly over the British Islands, risen over France, but is changing frequently and irregularly all over North-western Europe.

## WIND

Variable in direction and light to moderate in force over the south-western and southern countries. W<sup>3</sup> (SW to NW) over the British Isles—strong to a gale in force; SW<sup>3</sup> strong to a gale over Sweden and Norway, but NE<sup>3</sup> in the east of Lapland.  
 The W<sup>3</sup> gales have been very strong over the Irish Sea and in the east of Scotland.

## WEATHER

Very unsettled generally, but inclined to improve—sky clear in several places. Squalls of hail and rain still prevalent in the north and east, and rain in several parts of France.  
 Frost has fallen in the west and north generally.

## SEA

High in the northwest and west, rough in the southwest, south, and north, smooth off our north-east coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

# FORECASTS

For the 24 hours ending at NOON on 29<sup>th</sup> January, 1894

### DISTRICTS.

### FORECASTS.

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

*None issued.*

### DISTRICTS.

### FORECASTS.

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

*None issued.*

### WARNINGS

*None issued*

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.23	37	36	N	6	c	5	Valencia ...	29.33	48	47	SW	6	mg	5
Sumburgh Head ...	29.08	31	31	W	3	s	4	Scilly ...	30.00	42	39	W	5	mg	5
Stornoway ...	29.22	35	35	N	3	bc	3	Jersey ...	29.01	51	47	SW	6	mg	5
Aberdeen ...	29.33	36	32	SW	3	b	2	Hurst Castle ...	29.87	44	41	NW	6	c	4
Shields ...	29.51	40	37	WSW	5	bc	2	Dungeness ...	29.79	43	39	NW	4	c	3
Ardrossan ...	29.06	40	44	SW	8	c	5	North Foreland ...	29.75	43	47	W	7	bc	5
Malin Head ...	29.06	41	39	W	7	b	5	London ...	29.80	44	38	NNW	3	c	4
Mullaghmore ...	29.57	44	43	WSW	5	r	5	Yarmouth ...	29.67	41	38	WNW	5	bc	4
Belmullet ...	29.70	42	39	W	6	bc	5	Rockfort ...	30.06	47	42	NW	5	b	4
Holyhead ...															

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

*Weather* fine and bright over the Peninsula and southern half of France, as well as on the Swedish coast, fair and quiet over southeastern Europe, changeable over the central countries, with rain in places, very cloudy, squally and unsettled in the northwest and north, with rain at several stations, and an angry appearance in our Islands. Rain later over our Islands, the west and north of France and in Norway, heavy in some parts of northern Europe - and a large local fall at Palermo.

*Temperature* risen in most places - rapidly in the west and north of the British Isles. Morning readings highest 59° at Malta and above 50° at a few other of the Mediterranean stations; 51° in the south of Ireland, 50° at Belmullet, and above 45° over England generally. Lowest (1) 17° at Kharkov, 24° at Odessa, 28° at Moscow, 30° at St. Petersburg; (2) 27° at Limoges, 29° at Belfort, 31° at Munich; (3) 36° at Stornoway. Exceeding 50° over the greater part of our Islands later, touching 54° at Lister, 59° at Croisette and Sanguinaires, and 61° at Aren.

*Wind* light and variable over southeastern and southern Europe, NW<sup>ly</sup> to N<sup>ly</sup>, moderate, over the Mediterranean, E<sup>ly</sup> to NE<sup>ly</sup> over Spain and Portugal; SW<sup>ly</sup> (W to S) over the northwestern and northern countries of Europe, and the Baltic, and blowing hard in our Islands; SE<sup>ly</sup> moderate in the northwest of Norway. Increasing to a gale over the Baltic, Sweden and Finland also later, and continuing to blow hard in our Islands.

*Barometer* (1) 30.5 ins. and more to 30.4 ins. over the southwestern half of the Spanish Peninsula, and exceeding 30.2 ins. over all the southern parts of France and Germany, with Switzerland (2) 30.4 ins. and more to 30.2 ins. over the Black Sea and extreme southeast of Europe also. Lowest about 28.5 ins. in a depression lying to the northward of the Shetlands. Latter depression moving north-eastwards later, and growing still deeper (28.2 ins. at Bodø in evening) and secondary disturbance approaching Ireland.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 21<sup>ST</sup> TO 27<sup>TH</sup> JANUARY 1894.

The main features in the meteorological conditions over western Europe during this week have been - high pressures over the southern and southwestern countries and very low pressures in the northwest and north. There has been a constant succession of large disturbances reaching our northern coasts from the Atlantic, and passing thence in a north-easterly direction towards Norway, while the track of their secondary systems lay directly over the United Kingdom and France.

The first primary depression reached the northern districts on the 21<sup>st</sup> and 22<sup>nd</sup>, while the V-shaped secondary travelled across the Kingdom between the mornings of the 22<sup>nd</sup> and 23<sup>rd</sup>.

The second set of primaries advanced between January 24<sup>th</sup> and 26<sup>th</sup>, and the V-shaped secondary (smaller than its predecessor) came over on the night of the 25<sup>th</sup> - 26<sup>th</sup>. Another, very deep depression reached Scandinavia on the 27<sup>th</sup>, but its secondary still lay off the west of Ireland at the close of the week.

The weather has constantly been very unsettled generally. Gales have been strong and varying between SW. and NW. in direction; rain has fallen daily in the west, very frequently elsewhere, and snow, sleet and hail have occurred often in the north and west, and thunderstorms have occurred in the same localities; the changes of temperature have been irregular, but decided; the intervals of bright clear weather, however, have also been considerable.

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on

Monday, 29<sup>th</sup> January,

1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry shade Yesterday.			Dirac.	Force (0 to 12).		Max.
		Inch.	°				Inch.												Inch.
SCANDINAVIA.																			
Haparanda ...	28.63	22	SW	4	b	29.03	+0.69	4	4	-23	Z	0	b	6	36	?	-		
Hernösand ...	28.63	30	S	2	b	29.14	+0.57	24	23	-7	Z	0	c	6	39	?	-		
Stockholm ...	29.17	36	SW	4	o	29.31	+0.34	36	34	-2	SSW	4	S	6	39	34	-		
Wisby ...	29.36	37	WSW	4	b	29.43	+0.26	36	35	-4	SW	1	o	6	41	36	-		
Bodö ...	28.69	34	E	2	b	29.04	+0.93	35	33	+4	WSW	8	S	5	35	30	-		
BRITISH ISLANDS.																			
Christiansund...	28.82	37	SW	6	b	29.28	+0.84	35	34	0	NNE	1	r	4	39	34	0.24		
Skudesnaes ...	29.02	36	WSW	3	r	29.48	+0.62	38	35	-2	NW	8	c	6	41	36	-		
Christiania Fjord (Fjord)	?	38	N	4	o	?	?	35	32	-2	?	2	b	5	39	32	-		
Skagen (The Scaw)	29.22	37	WSW	3	b	29.39	+0.38	36	35	-1	NW	3	b	1	41	34	0.16		
Fanö ...	29.34	38	N	8	c	29.67	+0.42	36	34	-3	WNW	4	b	6	41	27	0.04		
Sumburgh Head	29.09	33	NW	5	csp	29.62	+1.11	31	31	-9	Z	0	b	4	cps	41	29	0.20	
Stornoway ...	29.40	37	N	4	S	29.61	+0.91	33	33	-5	N	2	b	3	S	39	30	0.10	
Wick ...	29.24	34	NW	4	o	29.62	+1.05	33	32	0	SW	2	c	2	o	38	28	0.05	
Nairn ...	29.37	35	NW	1	c	29.69	+1.06	33	32	-2	WNW	2	b	1	c	42	28	0.03	
Aberdeen ...	29.34	35	WNW	3	bcep	29.78	+0.94	31	28	-3	SW	2	b	3	bcep	40	30	0.01	
Leith ...	29.38	37	N	2	b	29.82	+0.80	35	33	+1	WSW	1	b	6	S. b	38	31	0.25	
Shields ...	29.38	37	WSW	6	p	29.89	+0.77	34	33	-3	WSW	1	f	2	p	41	32	0.09	
Spurn Head ...	29.49	38	WSW	5	o	29.94	+0.53	35	34	-1	SW	2	c	4	o	40	34	-	
York ...	29.47	38	N	5	c	29.95	+0.56	35	34	-2	SW	1	b	6	c	41	31	-	
Loughborough	29.62	36	WSW	5	c	30.01	+0.47	37	36	+1	WSW	2	o	6	cq	42	34	-	
GERMANY & HOLLAND.																			
Ardrossan ...	29.44	40	WNW	2	b	29.83	+0.70	40	38	0	SSW	2	o	2	b	41	33	0.17	
Malin Head ...	29.53	40	NW	4	ohrp	29.80	+0.72	36	34	-4	SSW	5	o	4	ohrp	41	34	0.10	
Mullaghmore ...																			
Belmullet ...	29.74	42	NW	8	cpq	29.78	+0.33	42	40	+3	S	6	o	6	o. c. q. p	42	30	0.10	
Donaghadee ...	29.54	36	WNW	7	b	29.92	+0.61	33	33	0	WSW	6	b	4	b	38	30	0.17	
FRANCE AND BELGIUM.																			
Liverpool (Bldston)	29.55	36	WSW	8	r	30.00	+0.54	38	36	+1	N	4	b	4	r	41	35	0.10	
Holyhead ...	29.57	40	N	8	rq	30.02	+0.56	38	35	0	N	4	b	3	rq	41	34	0.03	
Parsonstown ...	29.77	38	NW	6	b	30.00	+0.44	32	31	-1	S	3	b	6	o. b. o	39	31	0.02	
Valencia ...	29.94	42	N	7	b. h. q. p	29.97	+0.23	44	43	+3	S	4	o	5	b. h. q. p	47	35	0.15	
Roche's Point	29.90	37	WNW	6	sq	30.08	+0.85	38	36	+1	WSW	2	b	3	sq	39	33	0.25	
FINLAND.																			
Pembroke (St. Ann's Hd.)	29.79	40	N	6	b	30.11	+0.67	42	39	+1	WNW	4	b	4	b	42	32	0.01	
Scilly ...	29.93	43	NW	7	c. q. h	30.18	+0.85	44	41	0	N	4	c	6	c. h. q.	45	36	0.07	
Prawle Point ...	29.84	38	WSW	?	b	30.17	+0.83	37	35	+1	WSW	3	c	2	b. s. h. p.	42	34	0.12	
Jersey (St. Aubin's)	29.92	42	WNW	6	b. c. q. h	30.18	+0.28	41	37	-3	NW	4	b	3	q. h. l.	46	39	0.14	
Hurst Castle ...	29.81	41	N	5	b	30.11	+0.39	40	38	-1	WNW	4	b	2	b	44	37	-	
GERMANY & HOLLAND.																			
Dungeness ...	29.74	40	N	5	b	30.05	+0.86	36	35	-3	WNW	3	c	2	b	45	32	-	
North Foreland	29.73	39	N	5	bq	30.03	+0.38	37	36	-2	NW	4	b	3	bq	43	36	-	
London ...	29.75	37	N	3	b	30.06	+0.37	36	35	0	N	1	b	6	q. p. h. l.	44	34	-	
Oxford ...	29.77	35	WSW	2	b	30.07	+0.42	35	34	-2	WSW	2	b	6	b. o	42	35	-	
Cambridge ...	29.69	37	WSW	4	b	30.04	+0.43	36	35	-1	SW	2	c	6	b	43	32	-	
Yarmouth ...	29.59	38	WSW	4	b	29.96	+0.43	33	32	-4	N	3	b	3	b	42	30	-	
GERMANY & HOLLAND.																			
Cuxhaven ...	29.36	41	WSW	5	c	29.83	+0.35	35	34	-4	N	4	b	6	c	42	33	0.08	
Berlin ...	29.75	39	N	3	b	29.89	+0.23	31	30	-10	WSW	3	b	6	b	45	30	0.04	
Wiesbaden ...						30.04	+0.21	30	28	-10	SW	1	b	6		43	28	0.04	
Munich ...	29.93	36	SW	4	o	30.06	+0.03	32	32	+3	NW	3	o	6	o	43	29	0.08	
The Helder ...	29.66	40	WSW	7	b	29.98	+0.45	37	36	-4	WNW	4	S	3	b	41	36	0.08	
FRANCE AND BELGIUM.																			
Brussels (D. M.)						30.06	+0.35	33	32	-10	SW	2	o	6	b	44	32	0.04	
Cape Gris Nez	29.75	37	WNW	7	b	30.03	+0.35	40	39	-2	WNW	4	b	4	b	45	34	-	
Paris ...	29.97	36	SW	1	b	30.12	+0.28	31	30	-13	SSW	1	o	6	b	49	30	0.04	
Brest ...	?	41	NW	5	c	?	?	42	40	-3	N	2	c	3	c	50	34	-	
Lorient ...	30.06	41	WNW	5	c	30.25	+0.27	42	37	-3	NW	5	b	4	c	48	34	-	
FINLAND.																			
Rochefort ...	30.09	45	NW	4	c	30.23	+0.19	40	37	-8	WNW	5	b	6	c	48	36	0.16	
Belfort ...	?	33	N	3	o	?	?	32	31	-6	N	2	o	6	o	40	30	0.04	
Lyons ...	30.06	39	WNW	1	r	30.14		34	32		WNW	2	b	6	r	50	34	0.04	
Nice ...	29.94	47	SW	1	c	29.82	-0.29	42	40	+2	E	1	c	2	c	54	40	0.04	
Perpignan ...	30.05	49	NW	3	o	30.11	-0.10	41	39	0	NW	3	b	6	o	59	40	-	
Biarritz ...	30.17	50	NW	5	r	30.23	+0.11	46	41	-1	N	4	r	4	r	50	39	0.35	
FINLAND.																			
Corunna ...																			
Lisbon ...	30.41	50	WNW	4	o	30.48	+0.08	46	42	-1	WNW	4	b	6	o	57	39	-	

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Monday, 29<sup>th</sup> Jan. 1894

## 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 backs 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.

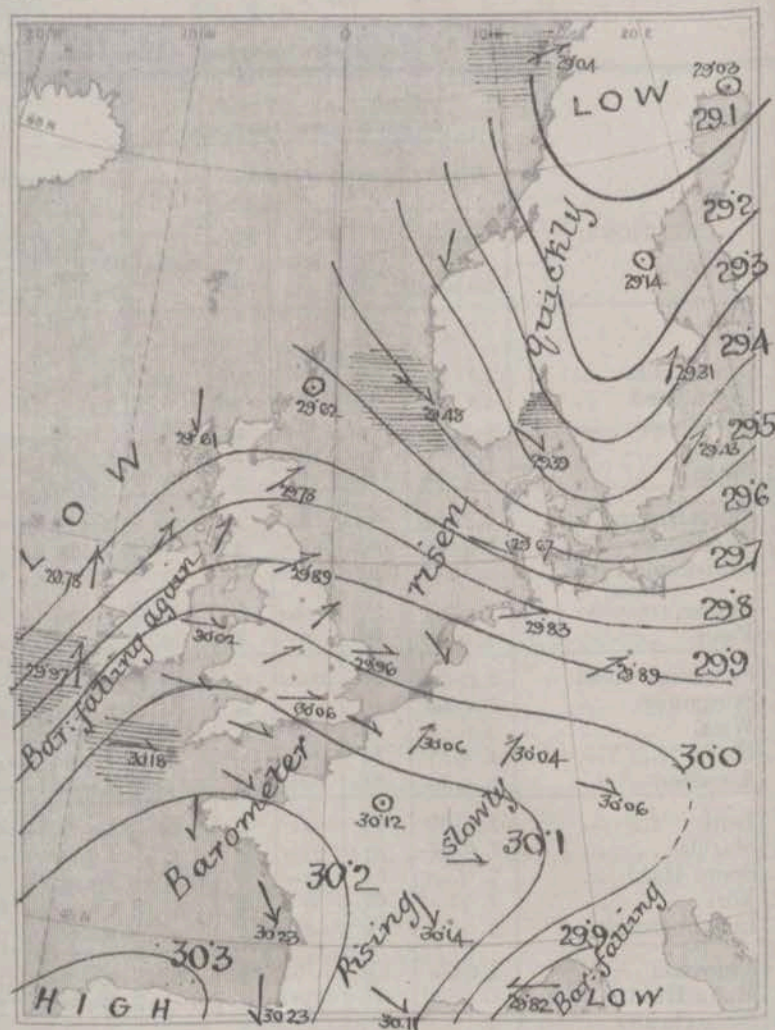
## MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of January.  
During the 29 Years 1871–1900.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.475
Stornoway	29.682
Wick	29.719
Nairn	29.747
Aberdeen	29.787
Loth	29.825
Shields	29.881
Spurn Head	29.920
York	29.932
Loughborough	29.967
Arcton	29.838
Mullachmore	29.817
Donaghadee	29.876
Holyhead	29.902
Liverpool	29.924
Parsonstown	29.895
Valencia	29.887
Roche's Point	29.908
Pembroke	29.936
Sally	29.900
Prawle Point	30.000
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.000
Oxford	29.999
Cambridge	29.991
Yarmouth	29.970





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in: and more to 30.7 in: over Spain and the southwest of France, and exceeding 30 in: all over France and the southern part of England.  
 Lowest, (1) 29.1 in: and less, over the north of Scandinavia, and (2) 29.5 in: and less over the northwest of Ireland — still lower over the Atlantic.  
 Gradients slight in the south, rather steep for NW winds over the eastern side of the North Sea, and for SW to S winds off the west of Ireland.  
 Barometer rising fast in the northeast, slightly in the southeast, falling fast again in the extreme west of Ireland.

## TEMPERATURE

Highest, 46° at Linton and Kilmory, 44° at Lally and Valencia (Ireland).  
 Lowest, 4° at Haparanda, 24° at Hovisand; 31° at Berlin and Paris, 32° at Munich and Belfast; 34° at Shields, 35° at York and Oxford.  
 Frost has occurred on the ground over our inland countries during the night, and in the shade at Cambridge, Yarmouth and York.

## WIND

Moderate to light from NW. and W. over the North Sea the Channel, and from NW. or N over the Bay of Biscay, in Ireland, however, the wind has backed to S. again, and is increasing quickly in force, with a bad appearance.  
 The NW and W gales of yesterday died down during the night.

## WEATHER

Clear at the eastern, midland, and southern stations generally, but overcast and unsettled looking in the far west.  
 Thunder, lightning, hail and sleet have occurred on our southernmost coasts, rain (but not in large quantities) in the north and west, as well as over France.

## SEA

Rough in the far north; rough and rising in the southwest and extreme west, moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The first fall of the barometer in the west has come on very suddenly, and, following so quickly on an unusually rapid rise — especially in the north — shows that the weather is in a very unsettled condition. Strong SW winds are probable generally, and strong gales in most districts — with rain.

## FORECASTS

For the 24 hours ending at NOON on 30<sup>th</sup> January, 1894

### DISTRICTS.

### FORECASTS.

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

Wind shifting to S<sup>W</sup> and blowing strongly with rain.  
 SW<sup>2</sup> winds, increasing; fair to showery, very unsettled.  
 Wind backing to SW or S. and becoming strong, squally, and rainy.

### DISTRICTS.

### FORECASTS.

- 1 SCOTLAND WEST
- 2 ENGLAND N.W.
- 3 ENGLAND S.W.
- 4 IRELAND NORTH
- 5 IRELAND SOUTH

SW<sup>2</sup> and S<sup>2</sup> gales and strong winds, squally, very rainy and unsettled.

### WARNINGS

At 10.15 am to districts 0, 6, 7, 9, & 10, and at 11 am to districts 1 and 8 "Hoist SOUTH CONE."

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	28.91	41	37	SW	8	bc	5	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...								Jersey ...	29.93	45	41	W	6	bc	5
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	29.72	40	38	W	6	bc	4
Ardrossan ...								North Foreland ...	29.69	42	39	W	5	b	4
Malin Head ...	29.84	39	38	W	6	0	5	London ...							
Mullaghmore ...								Yarmouth ...							
Balmullet ...	29.59	42	38	W	8	0	4	Rocheport ...	30.08	48	45	W	4	c	4
Holyhead ...															

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

Weather fine over the greater part of England, as well as in Sweden, Denmark, the Netherlands, the south of France and northern Italy. Cloudy or overcast elsewhere with rain in France, hail showers in Ireland and snow or sleet in many parts of Scotland, as well as at some of the Norwegian and Russian stations. Showers of hail or sleet falling during day in most parts of western Europe; thunder and lightning occurring at Valencia during day and lightning seen at several of our southern stations at night.

Temperature fallen considerably in our Islands, as well as in Austria, but changed irregularly elsewhere. Morning readings highest 53° at La Calle and Tunis, and 52° at Sanguinaire, Algiers and Malta, above 45° at several of the Mediterranean stations and also in the west of France. Lowest 22° at Vienna and Hermannstadt, 24° at Madrid and Aharhor, 27° at Haparanda and Cracow, and 28° at Archangel and Nicolaieff, very little above the freezing point over central Ireland and the east of Scotland. Daily maxima below 40° at several of our western and northern stations and below 45° in most other parts of the Kingdom, frost occurring in many places at night.

Wind W<sup>1</sup> or SW<sup>1</sup> over all but the extreme southern parts of Europe, with gales on our own western coasts, as well as at the Scandinavian stations. Light to moderate from the N<sup>W</sup> or NE<sup>1</sup> in Italy, and also in Algeria and Tunis. Subsequently veering to the NW<sup>1</sup> in the west and north of our Islands; gale continuing over the Irish sea and the north of Ireland, but wind subsiding elsewhere.

Barometer highest 30.4 ins. and upwards in an anticyclone over the southern parts of the Spanish Peninsula, 30.2 ins. and upwards in another system over the Black Sea and the south of Russia. Lowest 28.2 ins. and less in a depression over the north of Norway (first to deep over all the northwestern and northern countries); 29.9 ins. and less in a shallow disturbance lying to the south of Sicily. Depression in far north subsequently moving eastwards and barometer rising rapidly over our Islands and Norway.

*The Summary will appear in Sunday's Report.*

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on Tuesday 30<sup>th</sup> January,

1894.

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Force	Weather.	Barometer.		Shade Temp.			Wind.		Force	Weather.	Sea	Shade Temp.			
Reading at 82° F. and Sea Level.	Dry Bulb.	Dirac.	(0 to 12).	Reading at 82° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	(0 to 12).	(0 to 9).	Max.	Min.	Amount of Rainfall.							
Inch.	°			Inch.		°	°								Inch.						
SCANDINAVIA.																					
Haparanda ...	29.40	5	SW	2	b	29.58	+ .55	6	6	+ 2	Z	0	b	#	1	25	-2	—			
Hernösand ...	29.58	13	Z	0	b	29.63	+ .49	4	3	— 20	Z	0	b	#	6	30	?	—			
Stockholm ...	29.61	34	Z	0	o	29.76	+ .45	31	30	— 5	SW	2	o	#	0	37	31	0.04			
Wisby ...	29.69	37	W	6	o	29.88	+ .45	34	32	— 2	W	4	b	#	0	39	32	—			
Bodö ...	29.42	36	WSW	6	s	29.38	+ .34	27	24	— 8	E	2	o	1	5	36	25	—			
CHRISTIANIA.																					
Christiansund...	29.55	34	SSE	2	be	29.01	— .27	37	32	+ 2	E	3	o	4	be	37	30	0.08			
Skudesnaes ...	29.65	38	SSE	6	o	29.10	— .38	42	41	+ 4	S	8	o	8	o	?	34	—			
Christiania Fjord (Frier)	29.81	35	W	3	b	29.44	?	35	35	0	S	7	r	5	b	36	34	—			
Skagen (The Seaw)	29.71	36	NW	2	b	29.50	+ .11	35	35	— 1	SW	4	m	1	b	39	34	—			
Fanö ...	29.83	36	W	2	b	29.54	— .13	36	35	0	SSW	6	rs	#	b	39	34	0.04			
SCOTLAND.																					
Sumburgh Head	29.20	28	SSE	4	o	28.58	— .104	42	40	+ 11	SW	7	o	7	o	42	31	0.39			
Stornoway ...	28.80	38	SW	9	r	28.65	— .96	39	38	+ 6	SW	9	c	6	r	41	26	0.68			
Wick ...	29.06	34	S	8	r	28.74	— .88	37	36	+ 4	W	4	o	6	r	42	31	0.13			
Nairn ...	29.04	40	SSW	6	r	28.95	— .84	37	36	+ 4	SSW	5	r	3	rs	43	20	0.31			
Aberdeen ...	29.33	37	SSE	8	oggr	28.96	— .82	37	34	+ 6	SW	6	bcg	5	gm, r, q	41	31	0.29			
ENGLAND.																					
Leith ...	29.32	37	SW	5	r	29.12	— .70	37	35	+ 2	SW	5	s	#	rq	45	30	0.21			
Shields ...	29.59	39	WSW	5	o	29.32	— .57	40	37	+ 6	SW	5	b	2	fc, pg	45	33	0.01			
Spurn Head ...	29.79	38	SSW	4	o	29.50	— .44	40	37	+ 5	SW	4	b	4	o, r	41	35	0.05			
York ...	29.74	39	SSW	3	o	29.48	— .47	39	38	+ 4	W	4	c	#	o	45	35	0.13			
Loughborough	29.86	39	SSW	4	o	29.61	— .40	40	37	+ 3	WSW	4	bc	#	o, p	46	36	0.06			
IRISH ISLANDS.																					
Ardrossan ...	29.20	43	S	8	r	29.19	— .64	40	38	0	SW	9	cq, p	6	o, r	43	39	0.46			
Malin Head ...	29.02	45	SSW	7	op	29.13	— .67	37	35	+ 1	W	9	ohq, l	7	op	46	35	0.13			
Mullaghmore ...																					
Belmullet ...	29.17	49	WSW	10	c	29.38	— .40	40	36	— 2	WSW	7	o	#	qr, l	50	36	0.52			
Donaghadee ...	29.30	43	SSW	8	r	29.36	— .56	36	36	+ 3	WSW	8	bc	6	r	43	33	0.17			
BRITISH ISLANDS.																					
Liverpool (Bidston)	29.69	42	S	4	o	29.53	— .47	41	36	+ 3	WSW	7	b	5	o	47	37	0.14			
Holyhead ...	29.57	44	SW	7	rq	29.55	— .47	40	37	+ 2	W	6	chq	6	rq	48	37	0.26			
Parsonstown ...	29.40	49	SW	10	r	29.57	— .43	39	36	+ 7	SW	6	o	#	r, l, v	49	32	0.15			
Valencia ...	29.55	51	SW	7	cgm	29.71	— .26	42	40	— 2	SW	6	cq	7	omg, c	52	41	0.14			
Roche's Point	29.55	49	SW	8	r	29.73	— .35	41	39	+ 3	WNW	4	b	4	r, l	50	38	0.45			
IRELAND.																					
Pembroke (St. Ann's Hd.)	29.72	45	SSW	7	o	29.70	— .41	45	42	+ 3	WSW	6	b	6	og	48	39	0.25			
Scilly ...	29.92	48	SSW	7	om	29.86	— .32	48	47	+ 4	W	6	cp	6	om	50	42	0.12			
Prawle Point ...	30.00	46	SSW	6	o	29.83	— .34	44	42	+ 7	WSW	4	c	4	og, r	48	35	0.08			
Jersey (St. Aubin's)	30.15	45	WSW	4	b	29.94	— .24	47	45	+ 6	W	4	cm	4	b, pg	48	40	0.07			
Hurst Castle ...	30.07	45	W	5	o	29.81	— .30	45	43	+ 5	WSW	6	c	5	bc, o	47	39	0.09			
ENGLAND.																					
Dungeness ...	30.04	42	W	4	b	29.76	— .29	44	43	+ 8	W	4	bc	3	c, l	47	35	0.07			
North Foreland	30.05	40	SW	3	b	29.72	— .31	43	41	+ 6	W	4	b	3	b	45	36	0.03			
London ...	30.00	38	S	4	be	29.74	— .32	42	40	+ 6	WSW	3	b	#	bc, og, r	46	36	0.21			
Oxford ...	29.85	41	SW	5	o	29.72	— .35	41	39	+ 6	SW	3	b	#	og, r	47	35	0.15			
Cambridge ...	29.95	37	SSE	3	c	29.66	— .38	40	38	+ 4	SSW	4	b	#	c	47	35	0.04			
Yarmouth ...	29.97	38	SSW	3	bc	29.60	— .36	41	40	+ 8	WSW	3	b	3	bc, q	41	31	0.04			
GERMANY & HOLLAND.																					
Cuxhaven ...	30.01	36	SW	4	o	29.71	— .12	34	34	— 1	S	7	s	#	o	40	34	0.04			
Berlin ...	30.12	34	WNW	2	b	30.06	+ .17	30	29	— 1	SSE	7	2	bc	#	b	39	28	—		
Wiesbaden ...	#	#	#	#	#	30.11	+ .07	33	32	+ 3	S	1	o	#	#	29	28	—			
Munich ...	30.22	31	SW	2	o	30.21	+ .15	24	24	— 8	S	3	bc	#	o	36	23	—			
The Helder ...	30.01	35	S	3	b	29.64	— .34	39	39	+ 2	SW	9	c	4	b	41	35	0.16			
FRANCE AND BELGIUM.																					
Brussels (o.m.)	#	#	#	#	#	29.86	— .20	37	37	+ 4	SW	8	o	#	c	43	33	0.16			
Cape Gris Nez	30.04	41	W	4	be	29.77	— .26	46	44	+ 6	W	7	b	7	bc	?	37	0.16			
Paris ...	30.22	39	Z	0	c	30.02	— .10	38	37	+ 7	SSW	5	o	#	c	46	31	0.04			
Brest ...	?	46	WSW	4	o	?	?	48	47	+ 6	W	3	o	4	o	52	40	0.12			
Lorient ...	30.23	46	SW	4	o	30.01	— .24	48	48	+ 6	W	4	c	5	o	48	41	0.08			
SPAIN.																					
Rochefort ...	30.33	43	N	2	b	30.27	+ .04	48	47	+ 8	WSW	4	r	#	b	50	29	0.04			
Belfort ...	?	32	W	2	be	?	?	28	27	— 4	W	3	b	#	bc	40	25	—			
Lyons ...	30.28	34	N	2	be	30.34	+ .20	27	27	— 7	S	1	bc	#	bc	40	23	—			
Nice ...	29.89	41	Z	0	c	30.13	+ .31	40	33	— 2	E	1	b	1	c	50	37	—			
Perpignan ...	30.17	42	NW	6	b	30.28	+ .17	41	33	0	NW	3	b	#	b	49	39	—			
Biarritz ...	30.34	43	N	3	b	30.30	+ .07	45	42	— 1	S	3	o	5	b	50	37	0.12			
PORTUGAL.																					
Corunna ...	#	#	#	#	#																
Lisbon ...	30.50	47	NNW	4	b	30.48	.00	47	46	+ 1	NNE	2	b	#	b	54	45	—			

For Explanation of Columns, see bottom of last page.

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



for 8 a.m. on Tuesday, 30<sup>th</sup> Jan: 1894

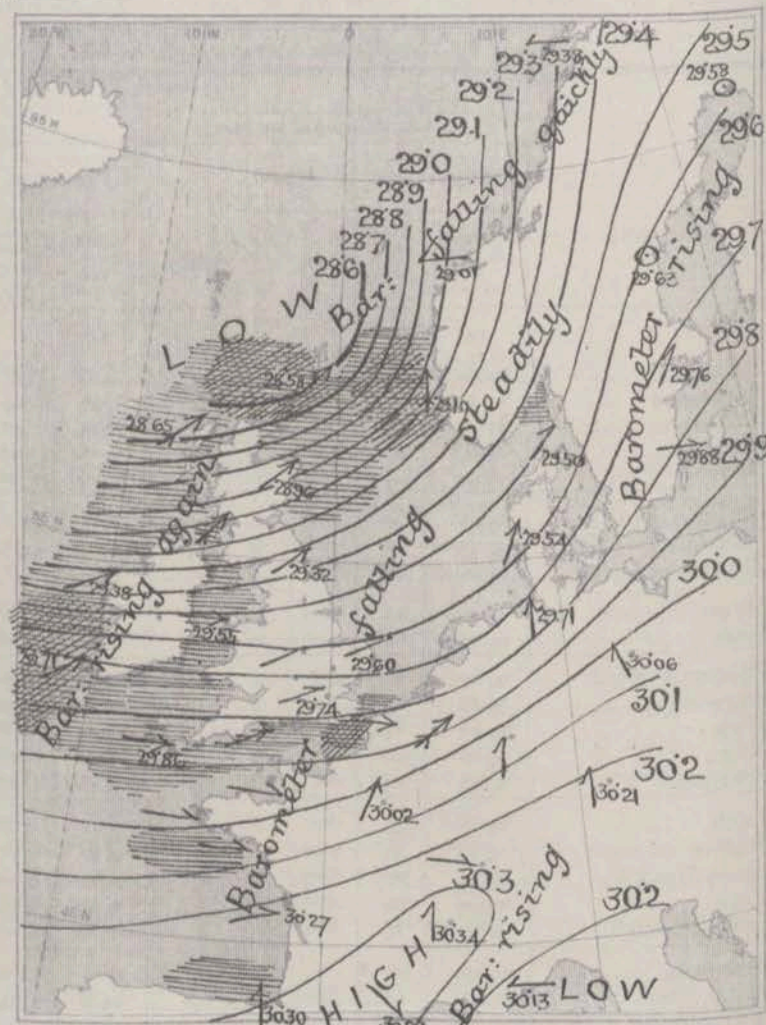
### EXPLANATION OF MAP

Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shown thus:

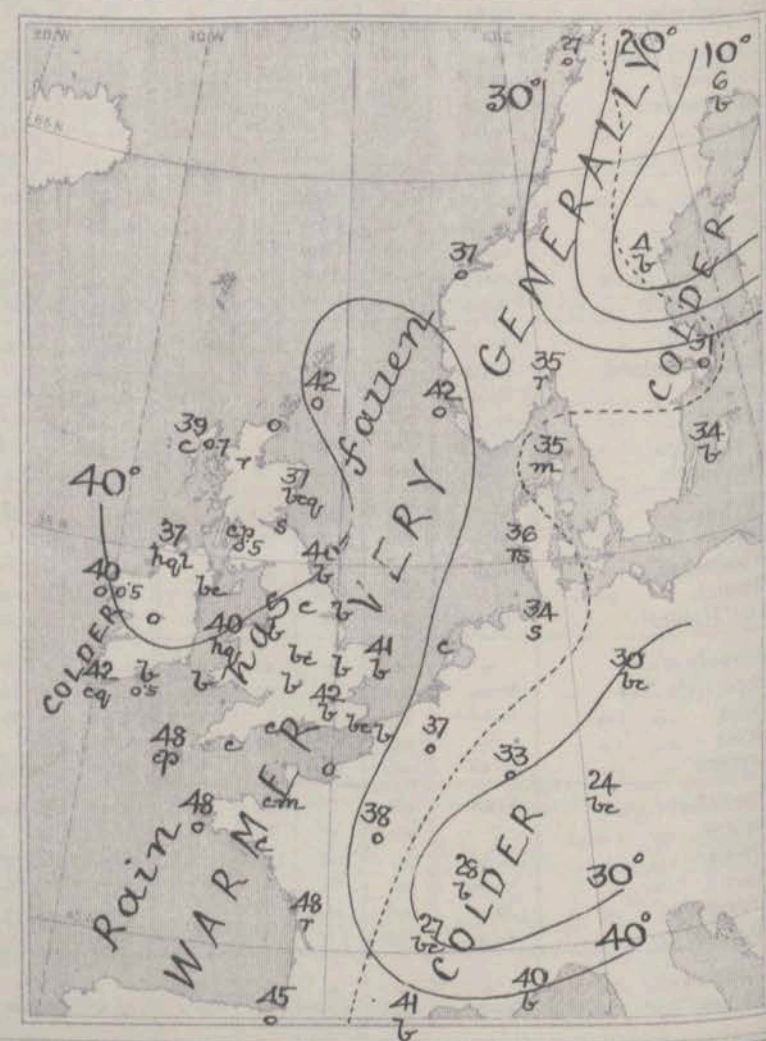


WITH RAINFALL IN PAST 24 HOURS.

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 January.)





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.4 ins. and upwards in Portugal.

Lowest 28.6 ins. and less in a deep depression lying off the north of Scotland.

Gradients steep over nearly the whole of northwestern Europe.

Barometer rising in most parts of the United Kingdom, but falling on the eastern shores of the North Sea.

## TEMPERATURE

Highest 48° at Scilly, Brest, Lorient & Rochefort, 47° at Jersey and Lisbon, and 46° at Cape Gris Nez.

Lowest (1) 4° at Helsingfors, 6° at Haparanda, and 27° at Bodø, (2) 24° at Munich, 27° at Lyons & 28° at Belfort.

In the course of yesterday the thermometer rose to 50° or more on our southwest coasts and to 45° or more over England and Ireland generally.

## WIND

W<sup>2</sup> or SW<sup>2</sup> over the whole of our Islands, with the Netherlands and the greater part of France; strong to a gale in force on our north and northwest coasts, as well as at Brussels and the Meuse.

Strong to a gale from the S<sup>2</sup> on the eastern shores of the North Sea, but calm or light from the S<sup>2</sup> in Sweden.

In the course of the past 24 hours a gale from the SW<sup>2</sup> has been experienced in nearly all parts of our Islands.

Fine at present over the greater part of England, as well as in the N. of Sweden and the south of France.

## WEATHER

Changeable and showery elsewhere, with hail at Malin Head & Holyhead, and with snow at Leith, as well as at Fano and Cuxhaven.

Since yesterday morning rain has fallen over the whole of our Islands, the largest amounts being 0.7 in. at Stormy, and 0.5 in. at Ardrossan, Belmullet and Roche's Point.

## SEA

High or rough on our southwestern, western and northern coasts, but moderate or slight in the east and southeast.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is apparently travelling northeastwards but the wind at Valencia (Ireland) remains SW<sup>2</sup>, and it is therefore not unlikely that secondary systems are advancing from the westward.

## FORECASTS

For the 24 hours ending at NOON on 31<sup>ST</sup> JANUARY. 1894

### DISTRICTS.

### FORECASTS.

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

SW<sup>2</sup> to S<sup>2</sup> strong winds and gales; squally, some rain or sleet.

Same as N<sup>o</sup>. 5.

SW<sup>2</sup> winds, moderate to strong; fine to squally, and some rain.

### DISTRICTS.

### FORECASTS.

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

SW<sup>2</sup> and W<sup>2</sup> strong winds and gales; squally, showery.

### WARNINGS

At 3.15 pm. yesterday to districts 2, 3 and 5. Hoist South cone. The signals are now flying 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.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.70	38	32	WNW	4	c	5	Valencia ...	29.64	50	50	S	6	om	6	
Sumburgh Head ...	29.48	37	34	SSE	3	o	4	Scilly ...	30.06	48	46	SSW	6	o	6	
Stornoway ...	29.35	41	41	SW	8	r	6	Jersey ...	30.20	47	41	WNW	4	bc	4	
Aberdeen ...	29.63	36	53	S	3	omg	4	Hurst Castle ...	30.11	45	42	WSW	3	bc	3	
Shields ...	29.82	40	38	WSW	3	c	2	Dungeness ...	30.07	45	42	WNW	3	c	2	
Ardrossan ...	29.62	43	43	S	4	o	3	North Foreland ...	30.08	45	42	NN	3	bc	2	
Malin Head ...	29.27	37	37	S	8	o	5	London ...	30.06	46	41	SW	2	bc	3	
Mullaghmore ...								Yarmouth ...	29.95	44	39	W	3	bc		
Belmullet ...	29.29	47	46	SSW	10	r	3	Rochefort ...	30.03	47	44	N	2	bc		
Holyhead ...	29.82	44	39	SW	5	r	4									

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

*Weather in morning fine over the greater part of the United Kingdom, but dull on our extreme western coasts. Fine and bright in Denmark, as well as over the southern parts of France and Spain, cloudy in most other parts of the Continent, with rain in a few isolated localities and with snow at Bodo, as well as at Humala. Rain setting in later over the west of our Islands and extending quickly to all parts of the Kingdom, as well as to the west and north of France. Lightning seen at Rock's Pt. at night.*

*Temperature changed rather irregularly but fallen in most places. Morning readings, highest 54° at Nemours, 53° at Malta, 52° at Algiers, and 51° at Oran, above 45° over the Mediterranean and Adriatic generally, as well as on the coasts of the Spanish Peninsula. Lowest (1) 4° at Haparanda, 16° at Uleaborg, and 24° at Norrbynd, - (2) 19° at Hermannstadt, 22° at Kharkov, and 25° at Nicolaieff; below the freezing point over the greater part of Germany, as well as in central Ireland and the north and east of Scotland. Rising during day to 65° and upwards over England and Ireland generally and reaching 50° or more on our extreme southwest coasts, as well as in the west and north of France.*

*Wind strong from the S<sup>W</sup> in the west of Ireland, but light to moderate from the S<sup>W</sup> in most other parts of the United Kingdom, as well as over Denmark, Germany and the Baltic. Strong to a gale from W. or NW. in the west of Norway. N<sup>W</sup> or NW<sup>W</sup> over the greater part of France, Spain and Italy, E in Austria, S<sup>W</sup> in Russia, W<sup>W</sup> or SW<sup>W</sup> in Algeria. Subsequently backing to the S<sup>W</sup> or S<sup>W</sup> and increasing to a gale in all parts of our Islands; gale severe at some of the Irish stations.*

*Barometer. Highest 30.5 ins. and upwards in an anticyclone lying off the Portuguese coast, 30.3 ins. and upwards in another area over the south of Russia. Lowest 29.0 ins. and less in a large depression over the White Sea and the Kola Peninsula, 29.8 ins. and less in the west of Ireland, and also in a disturbance over the south of Italy. Deep depression approaching our northwest coasts later and barometer falling rapidly in all the more western and northern parts of the Kingdom; fall at Stornoway between 2 p.m. and 6 p.m. amounting to as much as 0.55 inch.*

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 31<sup>st</sup> January, 1894.

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. A. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Max.	Min.						
Inch.	°			Inch.		°	°					°		Inch.					
SCANDINAVIA.																			
Haparanda ...	29.54	21	SE	2	O	29.34	- 24	30	30	+ 24	S	C	S	#	O	-13	0.08		
Hernösand ...	29.35	32	SSE	8	S	29.24	- 39	34	32	+ 30	S	H	bc	#	S	34	3	0.04	
Stockholm ...	29.51	34	SSW	6	S	29.49	- 27	34	33	+ 3	SSE	H	C	#	S	36	27	0.04	
Widby ...	29.65	34	SSW	6	S	29.62	- 26	36	35	+ 2	SSW	H	C	#	S	37	32	0.08	
Bodo ...	29.16	28	E	4	b	28.96	- 42	32	29	+ 5	ENE	Z	bc	1	b	?	23	-	
Christiansund...	28.84	39	SE	4	C	28.74	- 12	38	34	+ 1	SE	8	C	4	C	39	36	-	
Skudesnaes ...	29.08	41	SSW	9	O	29.02	- 08	41	36	- 1	SSW	8	C	7	r, h, l	43	39	-	
Christiania Fjord (Fjord)	29.19	37	SSW	8	b	29.23	- 21	38	37	+ 3	S	8	C	5	b	38	34	-	
Skagen (The Scaw)	29.39	37	WSW	3	b	29.34	- 16	37	36	+ 2	WSW	2	O	1	b	37	34	0.12	
Fanø ...	29.49	39	W	6	b	29.34	- 20	37	36	+ 1	SSW	6	r	#	b, cl, r	41	34	0.16	
BRITISH ISLANDS.																			
Sumburgh Head	28.55	39	WSW	7	O	28.70	+ 12	39	37	- 3	W	4	C	4	O	42	37	0.25	
Stornoway ...	28.66	36	W	9	r	28.90	+ 25	35	35	- 4	W	4	O	5	S, r	40	32	1.00	
Wick ...	28.65	36	W	6	O	28.84	+ 10	35	34	- 2	W	4	O	5	osp	39	33	0.14	
Nairn ...	28.77	37	WSW	3	C	28.95	+ 10	36	35	- 1	WSW	3	C	2	C	39	33	0.04	
Aberdeen ...	28.98	34	SSW	5	C, q	29.04	+ 08	36	35	- 1	SSW	3	O, q	4	sp, c, q	39	33	0.03	
Leith ...	29.12	34	WSW	5	bc	29.15	+ 03	33	31	- 4	WSW	3	b	#	S, bc, cl	37	30	0.16	
Shields ...	29.34	41	SW	5	b	29.23	- 09	33	31	- 7	SW	3	bc	2	bc, r, sp, b, q	43	32	0.10	
Spurn Head ...	29.52	40	WSW	4	b	29.30	- 20	35	34	- 5	WSW	2	O	3	b, r	43	34	0.03	
York ...	29.49	41	W	5	b	29.31	- 17	34	33	- 5	SW	1	C	#	b	45	31	0.27	
Loughborough	29.62	41	SW	2	b	29.34	- 27	33	32	- 7	W	1	om	#	b, p	47	32	0.08	
GERMANY & HOLLAND.																			
Ardrossan ...	29.21	39	SW	7	C, q	29.17	- 02	37	36	- 3	SW	5	b	4	r, sp, c, q	40	33	0.04	
Malin Head ...	29.15	38	WSW	8	C, q, h	29.08	- 05	33	32	- 4	S	6	osp	4	bc, C, q, h	38	32	0.08	
Mullaghmore ...	29.35	40	WSW	7	O, q, p	28.90	- 48	41	39	+ 1	SW	8	O, h, p	#	O, q, p	42	35	0.15	
Belmullet ...	29.34	38	SW	7	b	29.24	- 12	31	31	- 5	SW	5	b	3	b	40	28	0.02	
Donaghadee ...	29.34	38	SW	7	b	29.24	- 12	31	31	- 5	SW	5	b	3	b	40	28	0.02	
FRANCE AND BELGIUM.																			
Liverpool (Bidston)	29.51	40	SW	4	b	29.33	- 20	35	33	- 6	SSW	2	bc	2	b	44	33	0.19	
Holyhead ...	29.46	44	W	6	O	29.33	- 22	37	34	- 3	W	3	C	2	b, q, o, r, s	44	33	0.43	
Parsonstown ...	29.57	34	Z	O	S	29.33	- 24	31	30	- 8	SW	1	O, S	#	C, O, S	43	30	0.40	
Valencia ...	29.47	38	HW	4	C	29.46	- 25	40	35	- 2	WSW	6	C, q, p, h	6	O, q, r, c	47	33	0.58	
Roche's Point	29.41	43	W	5	C	29.46	- 27	35	34	- 6	W	3	C	3	r, c, r, sp	47	33	0.20	
PENINSULA.																			
Pembroke (St. Ann's Hd.)	29.53	45	SSW	5	O	29.38	- 32	36	36	- 9	WSW	5	S, q	5	bc, O	46	36	0.14	
Scilly ...	29.66	48	SSW	5	C	29.44	- 42	42	39	- 6	WSW	7	C	7	bc, C, r, q	50	39	0.36	
Prawle Point ...	29.79	47	WSW	4	bc	29.40	- 43	38	36	- 6	W	2	C, q	2	bc, q, r	47	35	0.25	
Jersey (St. Aubin's)	29.89	47	W	4	C, q, m	29.40	- 54	47	45	- 0	WSW	6	O, r, m	5	C, q	50	45	0.14	
Hurst Castle ...	29.77	45	WSW	3	C	29.31	- 50	44	43	- 1	W	3	r, m	3	bc, m, r	48	43	0.21	
FRANCE AND BELGIUM.																			
Dungeness ...	29.80	45	W	5	bc	29.29	- 47	45	45	+ 1	SW	5	O	4	b, bc	48	43	0.10	
North Foreland	29.77	43	SW	4	b	29.28	- 44	45	44	+ 2	SW	4	q, r	3	b	48	41	0.02	
London ...	29.74	42	SW	2	b	29.30	- 44	44	43	+ 2	HW	1	O, q, r	6	bc, q, r	48	40	0.15	
Oxford ...	29.64	39	W	2	b	29.32	- 40	38	37	- 3	N	1	r	#	b, q, r	47	38	0.23	
Cambridge ...	29.68	41	SSW	5	C	29.32	- 34	37	36	- 3	WSW	3	O	#	C	47	36	0.01	
Yarmouth ...	29.66	42	WSW	4	bc	29.31	- 29	41	40	- 0	HW	2	O	3	bc	45	37	0.04	
GERMANY & HOLLAND.																			
Cuxhaven ...	29.69	40	SW	5	O	29.52	- 19	38	38	+ 4	S	4	bc	#	O	40	34	0.04	
Berlin ...	29.88	35	SSW	2	O	29.80	- 26	33	32	+ 3	SSW	2	C	#	O	37	30	0.04	
Wiesbaden ...	30.10	32	SW	3	O	29.73	- 38	37	36	+ 4	SW	1	O	#	#	37	33	0.08	
Munich ...	30.10	32	SW	3	O	29.91	- 30	30	30	+ 6	SSE	4	b	#	O	34	23	0.04	
The Helder ...	29.71	40	SW	4	b	29.41	- 25	41	40	+ 2	SSW	5	r	3	b	43	37	0.04	
FRANCE AND BELGIUM.																			
Brussels (9 a.m.)	?	?	?	?	?	29.44	- 45	42	42	+ 5	SSE	2	r	#	bc	47	37	0.04	
Cape Gris Nez	29.81	45	WSW	6	bc	29.36	- 41	43	43	- 3	SSW	4	r	4	bc	46	37	0.16	
Paris ...	29.98	45	SW	2	O	29.51	- 51	50	48	+ 12	SSW	6	O	#	O	48	38	0.12	
Brest ...	?	48	SW	3	O	?	?	46	45	- 2	WSW	4	O	4	O	50	41	0.47	
Lorient ...	29.95	48	SSW	4	O	29.47	- 54	46	45	- 2	SW	5	O	5	O	52	45	0.47	
FRANCE AND BELGIUM.																			
Rochefort ...	30.09	48	W	4	O	29.73	- 54	51	49	+ 3	SW	6	O	#	C, O	54	46	0.28	
Belfort ...	?	34	W	2	r	?	?	34	?	+ 6	W	3	m	#	r	38	28	-	
Lyons ...	30.22	35	SE	1	O	29.94	- 40	38	37	+ 11	S	2	r	#	O	41	27	0.04	
Nice ...	30.15	43	SW	1	bc	30.04	- 09	38	38	- 2	E	1	bc	1	bc	54	36	-	
Perpignan ...	30.23	48	SW	1	O	29.95	- 33	38	31	- 8	SW	2	C	#	O	55	32	-	
Biarritz ...	30.21	52	WSW	3	O	29.85	- 45	52	45	+ 7	SSW	7	C	5	O	55	45	-	
PENINSULA.																			
Corunna ...	30.40	51	WSW	3	b	30.12	- 36	54	51	+ 7	SW	5	bc	#	b	55	47	0.12	
Lisbon ...	30.40	51	WSW	3	b	30.12	- 36	54	51	+ 7	SW	5	bc	#	b	55	47	0.12	

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday, 31<sup>st</sup> Jan: 1894

## 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.

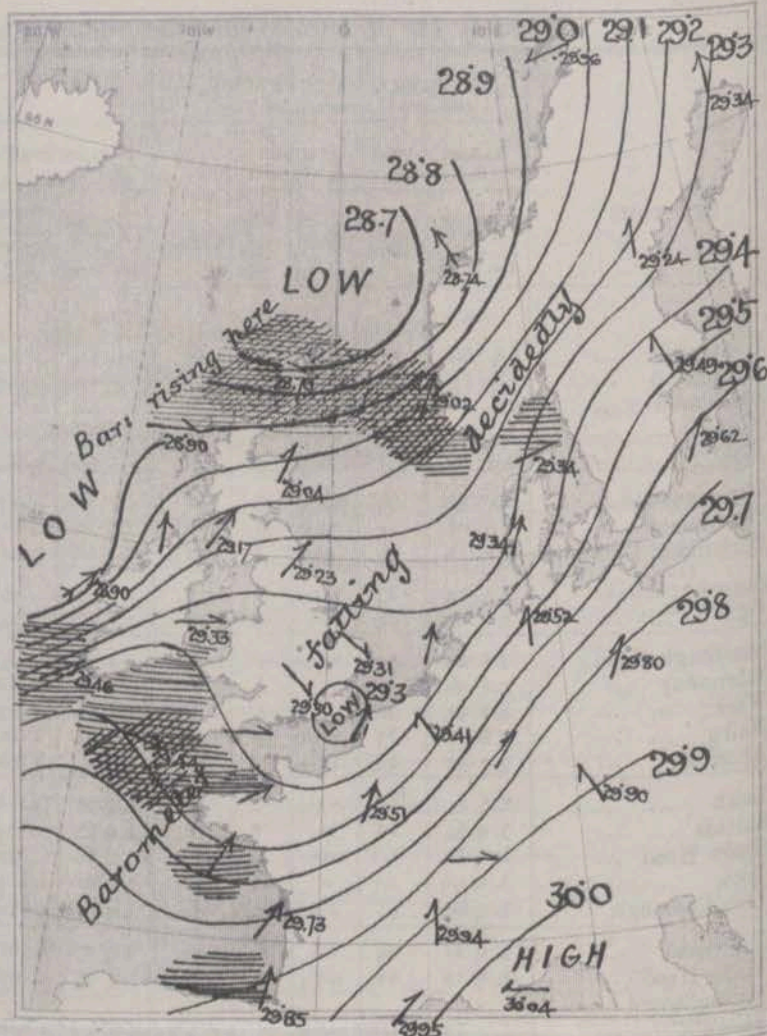
**WIND**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—  
 — force above 10; — force 8 to 10;  
 — force 5 to 7; — force 1 to 4  
 — least calm.

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

### MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of January  
 (during the 20 Years 1871-1890.)

STATIONS.	MEAN READINGS
Samburgh Head	29.055
Stornoway	29.082
Wick	29.719
Nairn	29.745
Aberdeen	29.787
Leith	29.825
Shields	29.851
Spurn Head	29.926
York	29.932
Loughborough	29.907
Ardrossan	29.898
Mullaghmore	29.817
Douglashead	29.856
Holyhead	29.902
Liverpool	29.924
Darlington	29.895
Valencia	29.887
Rock's Point	29.908
Pembroke	29.936
Sully	29.969
Praske Point	30.001
Jersey	30.022
Hurst Castle	30.002
Dover	30.012
LONDON	30.000
Oxford	29.999
Cambridge	29.993
Yarmouth	29.979



## 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.

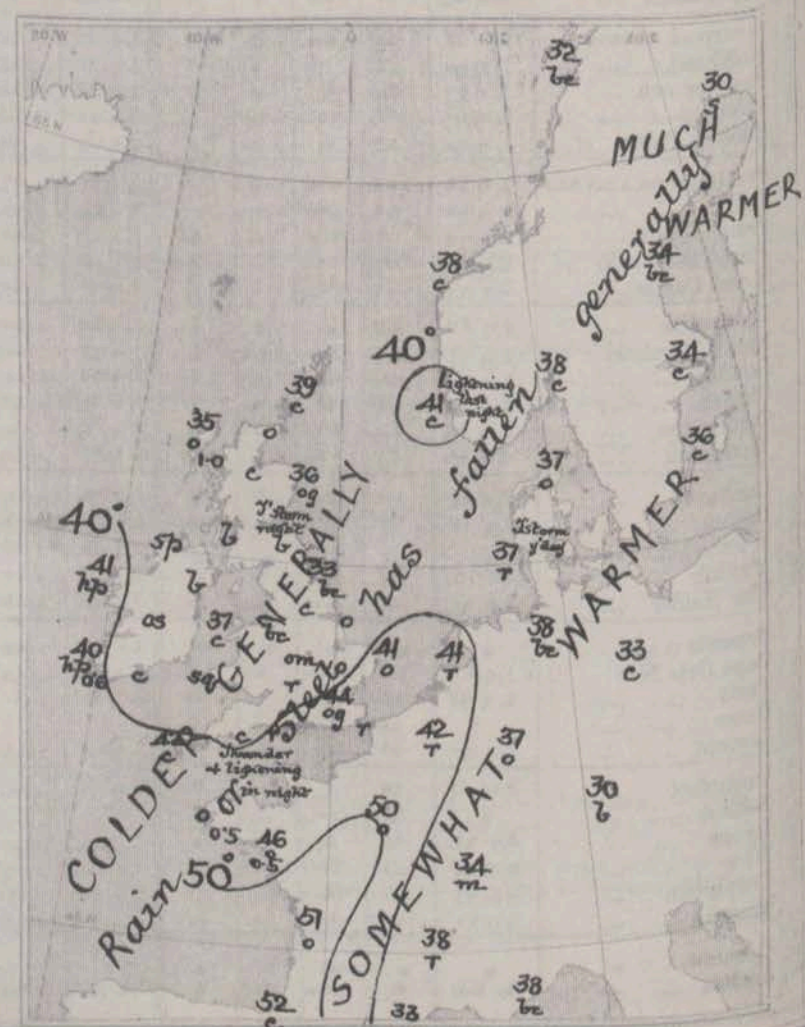
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of January.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Samburgh Head	42.9	35.6	30.7	38.4	3.72
Stornoway	43.3	34.5	30.5	38.4	5.30
Wick	42.4	33.3	38.2	36.8	2.06
Nairn	42.2	32.9	37.2	35.6	1.90
Aberdeen	42.4	33.2	37.3	35.6	2.31
Leith	44.4	33.7	38.6	37.2	1.04
Shields	43.0	34.2	38.2	36.9	1.75
Spurn Head	41.7	34.5	37.7	36.7	1.35
York	42.7	32.5	36.7	35.7	1.87
Loughborough	43.0	32.3	36.4	35.4	2.04
Ardrossan	44.2	36.3	40.0	38.8	4.25
Mullaghmore	46.1	38.0	41.6	40.4	4.20
Douglashead	44.4	36.1	40.0	39.2	2.08
Holyhead	43.6	38.7	41.7	40.3	3.38
Liverpool	43.5	35.2	38.6	37.0	2.22
Darlington	45.0	34.2	38.9	37.8	3.12
Valencia	49.5	40.4	44.3	43.3	0.69
Rock's Point	47.7	39.5	43.2	41.9	5.50
Pembroke	45.5	39.6	42.7	41.3	3.73
Sully	48.8	42.9	46.4	44.9	3.73
Praske Point	46.2	37.6	42.0	41.0	3.09
Jersey	45.8	38.3	41.8	40.4	2.21
Hurst Castle	45.0	36.7	40.9	39.5	2.04
Dover	43.5	35.8	39.2	38.1	2.38
LONDON	44.1	33.8	37.6	36.6	2.12
Oxford	43.1	35.6	37.1	36.1	2.20
Cambridge	43.3	31.7	36.2	35.4	1.34
Yarmouth	41.5	33.8	37.5	36.7	1.00

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mostly from the 20 years 1881-90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

High, 30.1 in: and upwards, over the southern part of the Spanish Peninsula; 30.0 in: and upwards, in the extreme south of France.  
Lowest, 28.7 in: and less, in a large depression lying to the northward of our Islands; 28.9 in: and less, in another disturbance off the west of Ireland; 29.3 in: and less, in a small shallow system over the southeast of England.

## TEMPERATURE

Gradients steep over the west of Ireland and rather steep in most other parts of Western Europe, but slight over England and the southern part of the North Sea.  
Barometer rising in the north of our Islands, but falling elsewhere, - quickly in the west of Ireland.

Highest, 54° at Lisbon, 51° at Birmm, 50° at Paris, 47° at Jersey, and 46° at Brest and Lorient.

Lowest, (1) 30° at Haparanda and 32° at Rorö; (2) 30° at Munich and 33° at Berlin; (3) 31° at Donaghadee and Ballymonee.

Hot occurred last night in many parts of our western and northern districts, the lowest reading being 28° at Donaghadee.

## WIND

W or SW over the greater part of the United Kingdom, with a gale in the west of Ireland; light from the NW over Central England.  
 Moderate to strong, from the SW or S over Denmark, Germany, Prussia, and the Netherlands, but drawing into the SE in Scandinavia, with a gale on the Norwegian coasts.

## WEATHER

Very unsettled over the whole of Western Europe, with rain in the southeast of England, the Netherlands, and the northeast of France, and with snow or hail at several of our western stations, as well as at Haparanda.

In the course of the past 24 hours rain, hail, or sleet has fallen generally, the largest amounts being 1.0 inch at Hornsby and 0.6 in: at Valentia (Ireland). Thunder and lightning occurred last night at Leith and Selly, and lightning was seen at Rudesness and Portland.

## SEA

High or rough on our southwestern and extreme northern coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which is approaching the west of Ireland seems likely to occasion further rough weather over the northern and northwestern parts of our Islands. Snow or sleet is probable in nearly all districts.

# FORECASTS

For the 24 hours ending at NOON on 1<sup>st</sup> February, 1894.

## DISTRICTS.

## FORECASTS.

† 0	SCOTLAND NORTH	S <sup>w</sup> winds, increasing in force; unsettled, some snow.
† 1	SCOTLAND EAST	
† 2	ENGLAND N.E.	SW <sup>w</sup> and S <sup>w</sup> winds, freshening; fine to unsettled and some snow.
† 3	ENGLAND EAST	NW <sup>w</sup> winds, backing to SW, later freshening; weather improving temporarily, but afterwards becoming cloudy, with snow or sleet.
† 4	MIDLAND COUNTIES	
† 5	ENGLAND SOUTH	

## DISTRICTS.

## FORECASTS.

† 6	SCOTLAND WEST	SW <sup>w</sup> winds, increasing to a gale; squally, some snow or sleet.
† 7	ENGLAND N.W.	
† 8	ENGLAND S.W.	W <sup>w</sup> winds, strong; squally, some cold showers.
† 9	IRELAND NORTH	SW <sup>w</sup> to W <sup>w</sup> strong winds or gales; squally, with hail or snow showers.
† 10	IRELAND SOUTH	

## WARNINGS

At 10.15 am today to districts 6, 7, 9, and 10 "KEEP UP SOUTH CONE". The Signalman is flying in all districts excepting No. 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.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.04	40	39	SSW	8	rhq	7	Valencia ...	29.59	45	40	SW	5	o g	5
Sumburgh Head	28.63	37	36	SSW	7	o	7	Scilly ...	29.83	50	45	WSW	5	b c	4
Stornoway ...	28.65	38	38	W	9	S	6	Jersey ...	29.94	50	46	WSW	5	b cm	4
Aberdeen ...	29.03	35	33	SSW	6	cq	5	Hurst Castle	29.86	48	46	WSW	5	b	5
Shields ...	29.34	43	40	SW	5	b c	2	Dungeness...	29.78	49	45	W	6	b	3
Ardrossan ...	29.21	36	35	SW	8	o	6	North Foreland...	29.76	48	45	WSW	5	b c	3
Malin Head ...	29.14	34	33	W	8	b c	6	London (Westminster)	29.76	48	43	W	5	b c	3
Mullaghmore ...								Yarmouth ...	29.64	45	41	WSW	4	b c	3
Balmullet ...	29.40	42	37	WSW	8	o q p	5	Rochefort ...	30.12	57	50	W	4	c	5
Holyhead ...	29.54	43	38	W	7	b q	5								

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

*Continental Information not received.*

### 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.

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

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# 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.				
		Barom. Reading at 32° F. and Sea Level.	TEMP. Dry Bulb.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 2).	Weather.	SHADE TEMP.		Amount of Rainfall.			
				Dirce.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirce.	Force (0 to 12).			Max.	Min.				
1	Paris	30.47	32	Z	0	m	30.28	?	?	?	?	Z	0	0	?	m	?	?	?		
2	Biarritz	30.27	38	E	2	bc	30.19	?	31	29	?	E	3	6	2	bc	41	28	0.20		
3	Corunna	-	-	-	-	-	30.12	?	43	40	-	SE	2	m	?	-	37	19	-		
4	Cap de Gris Neg.	30.22	31	E	6	bc	30.39	+21	23	-	-12	E	7	0	?	-	50	32	-		
5	Corunna	-	-	-	-	-	30.04	-08	45	41	+2	H	3	m	?	-	21	2	-		
6	Belfast	?	16	E	7	c	?	?	7	-	-11	E	6	bc	?	c	46	30	-		
7	Corunna	-	-	-	-	-	?	?	37	-	-8	ESE	5	0	?	-	16	10	-		
8	Jersey	29.44	13	N	1	o	29.90	-03	10	-	0	H	1	0	?	o	41	24	-		
9	Corunna	-	-	-	-	-	29.83	-	29	-	-8	ESE	4	bc	?	-	41	24	-		
10	Jersey 2pm	-	-	-	-	-	29.66	-	20	18	-	SE	3	0	?	3	-	-	-		
11	Jersey	29.63	24	SE	4	c	29.58	-14	25	23	+7	SW	2	bc	?	c	26	18	-		
12	Jersey 2pm	-	-	-	-	-	29.63	-	35	32	-	SE	3	0	?	3	-	-	-		
13	Jersey	29.66	33	SE	3	b	29.63	+25	34	33	+9	SE	3	c	?	6	34	23	-		
14	Jersey	29.94	33	ESE	3	bc	29.92	+09	37	35	+2	ESE	4	0	?	bc	37	28	-		
15	Corunna	-	-	-	-	-	29.86	-	52	48	-	S	8	0	?	-	?	39	-		
16	Jersey 2pm	-	-	-	-	-	29.86	-	37	36	-	SE	4	0	?	3	-	-	0.84		
17	Jersey	29.84	40	SSE	5	o	29.72	-20	40	39	+3	SE	5	0	?	o	40	35	-		
18	Biarritz	29.88	46	S	5	o	29.80	-18	52	50	+14	S	5	0	?	o	?	?	0.55		
19	Corunna	-	-	-	-	-	29.80	+14	55	50	+3	SW	6	c	?	3	34	45	-		
20	Jersey 2pm	-	-	-	-	-	29.67	-	40	39	-	SE	4	0	?	4	-	-	0.38		
21	Jersey	29.79	40	SSE	3	o	29.88	+16	46	45	+6	SSE	5	0	?	o	46	38	-		
22	Corunna	-	-	-	-	-	29.78	-02	61	58	+6	S	7	0	?	-	63	50	-		
23	Jersey 2pm	-	-	-	-	-	29.89	-	47	45	-	SE	4	0	?	4	-	-	0.01		
24	Jersey	29.89	47	SSE	3	bc	29.92	+04	46	44	-	SSE	5	c	?	bc, o.g.m.	47	45	-		
25	Corunna	-	-	-	-	-	29.76	-02	58	54	-3	SE	6	0	?	4	64	54	0.79		
26	Jersey 2pm	-	-	-	-	-	29.89	-	48	45	-	SSE	4	bc	?	3	-	-	0.08		
27	Jersey	29.79	47	SE	3	bc	30.05	+13	46	44	-	SW	4	bc	?	bc, o.g.m.	50	45	-		
28	Belfast	?	29	W	3	c	?	?	28	24	-2	W	3	bc	?	c	39	25	-		
29	Jersey 2pm	-	-	-	-	-	30.14	-	50	48	-	S	3	0	?	3	-	-	0.08		
30	Jersey	30.14	48	S	4	b	30.01	-04	46	44	-	SSE	5	0	?	b, pc, b	51	45	-		
31	Corunna	-	-	-	-	-	29.98	-	58	-	-	SSE	6	0	?	4	61	52	-		
32	Jersey 2pm	-	-	-	-	-	29.97	-	46	45	-	SE	4	0	?	4	-	-	0.11		
33	Jersey	29.94	46	SSE	3	bc	29.75	-26	45	45	-	SSE	3	0	?	om, c, bc	47	44	-		
34	Jersey	29.87	47	WNW	3	o	30.17	+42	45	43	-	WNW	4	0	?	o, to, m	48	43	0.62		
35	Jersey 2pm	-	-	-	-	-	30.15	-	47	45	-	SSE	4	c	?	3	-	-	0.21		
36	Jersey	30.08	47	SSW	5	r	30.00	-17	48	47	+3	WSW	4	0	?	p, c, g.m.	49	43	-		
37	Corunna	-	-	-	-	-	30.26	-	87	-	-	SW	5	0	?	4	57	48	-		
38	Jersey 2pm	-	-	-	-	-	29.99	-	44	48	-	SSE	4	0	?	3	-	-	0.03		
39	Jersey	29.97	49	SW	4	o	29.82	-18	50	49	+2	SW	5	0	?	om, d	50	47	-		
40	Jersey 2pm	-	-	-	-	-	29.73	-	51	49	-	SW	5	0	?	4	-	-	0.61		
41	Jersey	29.67	60	WSW	5	r	29.67	-25	47	46	-3	WNW	5	0	?	om	52	45	-		
42	Corunna	-	-	-	-	-	30.18	-	55	49	-	HW	7	0	?	5	-	-	-		
43	Jersey 2pm	-	-	-	-	-	29.74	-	51	47	-	WNW	5	bc	?	4	-	-	0.04		
44	Jersey	29.84	47	WNW	4	b	30.07	+50	47	46	-	W	5	0	?	op, c, m, b	51	46	-		
45	Corunna	-	-	-	-	-	30.83	+15	51	48	-4	SE	4	bc	?	4	37	45	0.08		
46	Jersey 2pm	-	-	-	-	-	30.00	-	50	48	-	SW	5	0	?	4	-	-	0.32		
47	Jersey	29.94	50	SW	4	o	29.76	-31	50	47	+3	SSE	5	0	?	om, d	52	46	-		
48	Sanpignan	30.24	48	HW	2	b	30.25	+08	33	-	-14	SW	1	0	?	b	54	32	-		
49	Corunna	-	-	-	-	-	30.17	-16	52	51	+1	HW	4	m	?	6	57	48	0.16		
50	Jersey 2pm	-	-	-	-	-	29.78	-	50	47	-	WNW	5	bc	?	4	-	-	0.05		
51	Jersey	29.84	48	W	5	bc	30.15	+39	48	47	-2	WSW	4	c	?	opm, bc	52	45	-		
52	Jersey 2pm	-	-	-	-	-	30.12	-	49	47	-	WSW	5	c	?	4	-	-	0.02		
53	Jersey	30.06	48	SW	5	c	29.74	-41	48	46	-	S	5	0	?	ca, pm	50	46	-		
54	Corunna	-	-	-	-	-	29.82	-	51	46	-	SSW	7	0	?	6	59	43	-		
55	Jersey 2pm	-	-	-	-	-	29.86	-	48	46	-	S	5	0	?	4	-	-	0.12		
56	Christiansund	29.04	36	SW	2	o	29.27	+44	34	-	-2	NNE	7	0	?	0	37	34	0.49		
57	Jersey	29.80	47	SW	5	r	29.83	+09	43	39	-5	WNW	7	c	?	og, r	48	39	-		
58	Corunna	-	-	-	-	-	30.09	+27	51	46	-	HW	7	0	?	5	-	-	-		
59	Jersey 2pm	-	-	-	-	-	29.95	-	45	40	-	WNW	4	bc	?	4	-	-	0.02		
60	Jersey	20.03	43	HW	4	b	30.30	+47	33	30	-10	WNW	2	0	?	4, p	45	30	-		
61	Haparanda	29.24	5	HW	2	b	29.35	+09	11	11	-6	Z	0	0	?	6	14	5	0.08		
62	Honnö	29.65	21	Z	0	b	29.08	-46	30	28	-12	Z	0	0	?	6	9	21	0.08		
63	Stockholm	29.78	21	Z	0	b	29.37	-13	33	32	-1	SSW	4	0	?	6	34	27	0.08		
64	Helsing	29.85	24	N	4	b	29.84	+11	33	33	-	SW	8	0	?	6	57	41	-		
65	Corunna	-	-	-	-	-	30.48	+10	46	46	-	SE	3	0	?	6	52	41	-		
66	Jersey	-	-	-	-	-	30.50	-	48	45	-	E	1	m	?	7	54	43	-		
67	Corunna	-	-	-	-	-	30.36	-14	55	51	+7	SW	5	0	?	5	55	45	0.35		
68	Corunna	-	-	-	-	-	29.86	-50	52	46	-3	HW	8	0	?	7	69	43	-		



## 2. CORRECTIONS.

[illegible]