

METEOROLOGICAL OFFICE.

---

DAILY WEATHER REPORTS.

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1<sup>ST</sup> JANUARY TO 30<sup>TH</sup> JUNE, 1893.

28.4 94

*See High Land.*



January to June 1893.

January to June 1893.





# DAILY WEATHER REPORT

for 8 a.m. on

Monday, 1<sup>st</sup> May,

1893

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

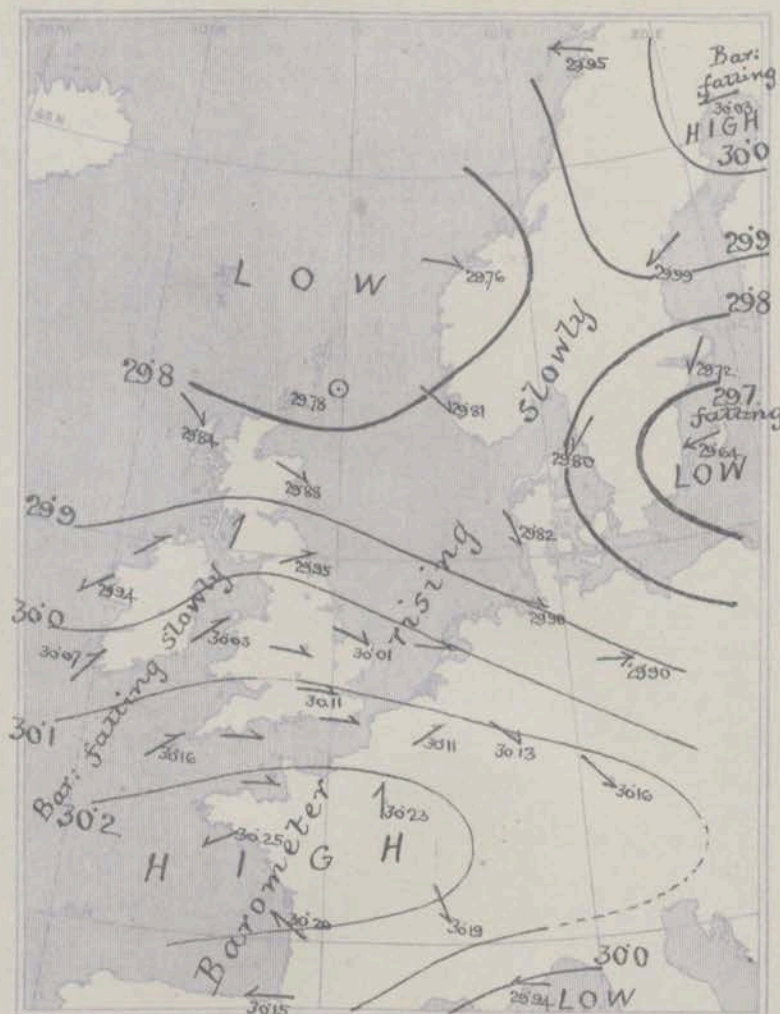
STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.			BAROMETER.	SHADE TEMP.	WIND.								SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading 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.	Amount of Rainfall.	
	Inch.	°				Inch.	°	°	°							°	°	Inch.	
SCANDINAVIA.	Haparanda ...	30.08	29	NE	2	0	30.08	-0.03	30	29	+4	ENE	4	0	0	34	21		
	Hernösand ...	29.98	29	NE	4	0	29.99	-0.04	30	27	-3	NE	4	0	0	39	25		
	Stockholm ...	29.82	30	NNE	4	5	29.72	-1.18	35	32	-5	NNE	4	0	5	48	28		
	Wisby ...	29.69	37	SE	6	1	29.64	-0.28	36	35	-1	ENE	6	7	7	41	27	0.08	
	Bodö ...	29.92	34	E	6	6	29.95	+0.03	32	28	-4	E	6	6	2	41	27		
	Christiansund...	29.76	45	NW	2	60	29.76	+0.01	43	41	+1	W	1	2	2	45	41		
	Skudesnaes ...	29.75	43	NW	4	0	29.81	+0.14	45	42	0	NW	4	2	0	48	41		
	Christiania Fjord (Farder)	29.75	39	NNE	5	0	29.80	+0.05	38	31	-4	NNE	4	0	1	39	32		
	Skagen (The Scaw)	29.68	40	NE	3	0	29.80	+0.07	35	33	-3	NE	4	1	2	43	35	0.04	
	Fanö ...	29.66	42	W	4	1	29.82	+0.21	42	40	+2	NW	4	0	7	50	39	0.20	
BRITISH ISLANDS.	Sumburgh Head	29.68	47	Z	0	C	29.75	+0.14	44	42	-1	Z	0	0	C	51	38		
	Stornoway ...	29.79	46	NW	4	Cph	29.81	+0.11	44	43	+1	NW	4	4	Cph	48	35	0.20	
	Wick ...	29.72	45	NW	3	C	29.81	+0.13	42	39	-4	NW	4	1	C	50	35	0.01	
	Nairn ...	29.80	46	NW	3	C	29.86	+0.13	45	43	-1	NW	3	2	C	50	37		
	Aberdeen ...	29.80	47	NW	4	C	29.88	+0.15	48	42	+2	NW	3	2	C, q, p	50	35	0.01	
	Leith ...	29.84	51	W	4	C	29.91	+0.12	47	43	-2	W	3	2	C	50	37	0.05	
	Shields ...	29.85	52	NW	6	C	29.95	+0.15	47	44	0	NW	3	2	C, p, c	54	37	0.01	
	Spurn Head ...	29.89	50	W	6	bc	29.99	+0.15	47	47	0	NW	4	4	C, b, p	53	43		
	York ...	29.93	46	W	5	b	30.00	+0.14	48	44	-1	W	4	4	C, b	55	39	0.01	
	Loughborough	30.02	52	NW	4	bc	30.06	+0.12	50	45	+3	W	3	2	C, q, p	57	42	0.01	
GERMANY & HOLLAND.	Ardrossan ...	29.91	45	W	2	C	29.93	+0.10	46	44	-1	SW	1	1	C, p, c	52	40	0.04	
	Malin Head ...	29.93	47	NW	4	cp	29.95	+0.04	45	44	+3	SW	3	3	C, p, c	51	41	0.11	
	Mullaghmore ...	30.08	51	NW	4	bc, p	29.94	-0.13	46	45	-1	? NE	2	2	C, b, p	52	43	0.31	
	Belmullet ...	29.98	50	NW	4	C	30.00	+0.06	46	44	0	W	4	2	C, p, c	55	45	0.04	
	Donaghadee ...	30.02	51	W	3	b	30.04	+0.09	46	44	-2	W	3	2	C	52	46	0.02	
	Liverpool (Bidston)	30.05	51	W	3	bc	30.03	+0.02	47	46	+1	SW	3	2	C	55	45	0.08	
	Holyhead ...	30.10	52	SW	2	0	30.00	-0.09	51	50	+2	SW	1	0	C, 0	55	46	0.05	
	Parsonstown ...	30.20	52	SW	4	om	30.07	-0.13	51	50	+1	SW	3	3	C, om	54	48	0.03	
	Valencia ...	30.15	55	NW	4	bc	30.05	-0.11	53	51	+3	W	3	3	C	58	47		
	Roche's Point	30.11	50	NW	5	bc	30.09	-0.01	50	49	+3	SW	4	4	C, q, p	53	47		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.23	53	NW	4	C	30.16	-0.02	55	52	+3	SW	4	3	C	55	48		
	Scilly ...	30.18	52	NW	3	bc	30.17	+0.04	52	49	+2	W	3	2	C	53	44		
	Prawle Point ...	30.20	55	NW	4	b	30.22	+0.09	53	45	-1	W	3	3	C, b	57	46		
	Jersey (St. Aubin's)	30.11	55	NW	4	bc	30.14	+0.08	53	50	+3	W	3	2	C	62	47		
	Hurst Castle ...	30.02	57	NW	3	bc	30.11	+0.13	51	48	-2	W	4	3	C	59	43		
	Dungeness ...	30.00	56	NW	5	C, q	30.08	+0.12	53	50	+3	NW	2	2	C, q	56	42		
	North Foreland	30.05	54	NW	3	bc	30.11	+0.12	53	48	+3	NW	2	0	C, b, c	59	40		
	London ...	30.10	49	W	1	b	30.11	+0.11	50	46	+1	W	1	0	C, b	55	44		
	Oxford ...	30.08	55	NW	2	C	30.03	+0.12	53	40	+4	NW	2	0	C	60	39		
	Cambridge ...	29.93	54	NW	5	bc, q	30.01	+0.14	50	46	+2	NW	4	3	C, q	55	40		
PENINSULA.	Cuxhaven ...	29.80	46	W	5	0	29.90	+0.21	47	46	+2	NW	5	5	C	50	45		
	Berlin ...	29.83	50	W	3	bc	29.90	+0.12	46	42	-1	W	5	5	C	43	43		
	Wiesbaden ...	30.03	53	W	5	C	30.13	+0.22	51	46	-2	NW	4	4	C	61	45		
	Munich ...	30.03	53	W	5	C	30.16	+0.17	50	45	-6	NW	4	4	C	64	46	0.04	
	The Helder ...	29.97	48	NW	4	b	30.04	+0.19	47	44	0	W	4	3	C	60	46		
	Brussels (9 a.m.)	30.02	51	W	4	C	30.11	+0.15	51	45	+2	SW	2	2	C	58	40		
	Cape Gris Nez	30.13	55	NW	4	b	30.10	+0.15	47	47	+1	W	4	4	C	55	46		
	Paris ...	30.13	55	NW	4	b	30.23	+0.17	46	43	-4	W	1	1	C	62	36		
	Brest ...	30.21	59	NW	3	bc	30.25	+0.08	47	45	-4	NW	1	1	C	59	37		
	Lorient ...	30.21	59	NW	5	b	30.25	+0.08	47	45	-4	ENE	2	2	C	66	46		

For Explanation of Columns, see bottom of last page.

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



for 8 a.m. on Monday, 1<sup>st</sup> May, 1893.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying over the northern half of France and the Bay of Biscay.  
Lowest, 29.7 in. and less, in a depression over the Baltic; 29.5 in. and less, in a shallow system lying off the north of Iceland, and the west of Norway.

Gradients slight. Barometer falling in the west of our Islands and also in Sweden, but rising elsewhere.

## TEMPERATURE

Highest, 64° at Lisbon, 56° at Nice and Biarritz, 55° at Pelly and 53° at Rocher Point, Hunt Castle and Jersey.  
Lowest, 30° at Haparanda and Hovsund, 32° at Bodø, 33° at Trondheim, and 35° at Stockholm and Skagen.

The maxima registered over our Islands yesterday were below 60° at all stations excepting Hunt Castle and Cambridge, and below 55° on many parts of our western and northern coasts.

## WIND

Light to moderate from the W<sup>nd</sup> or SW<sup>nd</sup> over the greater part of the United Kingdom, and from the NW<sup>nd</sup> over Germany and the eastern shore of the North Sea.

Moderate to strong from the E<sup>nd</sup> or NE<sup>nd</sup> over Sweden and the north of Norway; light from the same quarters in the west and south of France.

## WEATHER

Fine in the eastern and southern parts of Great Britain, as well as in France, Germany and the Netherlands.

Rainy at many of our western stations; dull in Scandinavia, with rain at Trondheim.

Showers fell yesterday in the north and north-west of our Islands. Bright Aurora was seen at Wick.

## SEA

Slight or smooth generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Shallow depressions are advancing over our Islands from the westward, and rain is probable in nearly all districts, with moderate breezes from the westward and south-westward.

## FORECASTS

For the 24 hours ending at NOON on 2<sup>nd</sup> May, 1893.

### 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, light; fair to showery.

Same as No 5.

W<sup>nd</sup> to SW<sup>nd</sup> winds, moderate; dull, unsettled, some rain.

### 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, moderate; unsettled, rain at times.

SW<sup>nd</sup> to W<sup>nd</sup> winds, moderate; changeable, showery.

### 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 ...	29.72	47	44	HW	4	0	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	29.77	43	44	HW	5	c	4	Jersey ...	30.18	56	49	W	4	bc	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.01	58	47	HW	4	bc	3
Ardrossan ...								North Foreland ...	29.97	56	50	HW	5	c	3
Malin Head ...	29.93	48	43	W	5	0	4	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.09	51	46	W	4	bc	3	Rochefort ...	30.16	58	55	HW	4	0	4
Holyhead ...	30.05	53	48	HW	3	bc	2								

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

Weather in morning fine and bright over central and western Europe, including England, also over the N. half of Scandinavia; cloudy or overcast elsewhere, dull and rainy over Denmark, unsettled over N. Russia, with snow at Archangel and St. Petersburg. Rain falling later in small quantities at the Irish and Scotch stations generally, as well as on the E. shores of the North Sea. Aurora seen in the N. of Scotland at night; lower halo at Braul Point.

Temperature becoming unsteady, but risen over central Europe, fallen over Russia. Morning readings exceeding 60° at most of the Mediterranean stations, and exceeding 50° over France and the W. and S. of our Islands. Lower elsewhere, and lowest of all 24° at Haparanda, 27° at Archangel, 30° at Kuopio, 31° at Hango, and below 40° over Russia, the Gulf of Bothnia, and the Gulf of Riga. Not touching 60° at any of our own stations (excepting Cambridge and Hurst Castle) during day, but reaching 61° at Paris, 68° at Nice, and 75° at Lisbon.

Winds (1) W. to NW. in direction over the whole of the British Islands and the N. of Holland, SW. over France and western Germany, (2) SE. over the Baltic and S. half of Scandinavia, and very variable over Russia, central, SE. and S. Europe. Freshening considerably over the United Kingdom during the day. Little change elsewhere.

Baromet. (1) Highest 30.2 ins. and more to 30.0 ins. in the E. portion of an anticyclone spreading in from the Atlantic over Spain the W. parts of France and the SW. of our Islands (2) 30.0 ins. and more to 29.8 ins. over Finland and the N. half of Scandinavia (3) 30.1 ins. to 30.0 ins. over the S. half of Russia. Lowest 29.6 ins. and less in a depression lying to the N. of the Shetlands, and below 29.7 ins. in a 'hollow' extending thence in a SE. direction across the North Sea to Denmark, changing little and irregularly over W. Europe later.

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

FROM THE 23<sup>rd</sup> TO 29<sup>th</sup> APRIL 1893.

During the earlier half of the week the weather was extremely dry in all parts of western Europe. On the 27<sup>th</sup> however, heavy rains set in over the southern parts of France and slight showers in Scotland and at the close of the period unsettled weather extended from the northward to all but the extreme southern part of St. Britain.

Anticyclonic conditions were prevalent over our Islands during the greater part of the week, the central portion of the high pressure system being situated at first over the Baltic and the south of Scandinavia, and afterwards over the western and northern parts of the United Kingdom. A shallow depression was in the meantime reported over Spain, and on the 26<sup>th</sup> and 27<sup>th</sup> this spread northward to the south of France, and occasioned the heavy rains mentioned above, with thunderstorms in some places.

Towards the close of the period the anticyclone moved southwards to our southwest coasts, and a depression spread over our northern districts. The winds, which had previously blown from the N. or E., now backed to the W. in most districts, and showery, unsettled weather gradually extended to all but our most S. stations.

Temperature was at first high, especially over England, where the thermometer on the 23<sup>rd</sup> 24<sup>th</sup> and 25<sup>th</sup> exceeded 75°, the highest reading of all being 82° at Cambridge. Later on the thermometer fell, and at the close of the period the daily maxima in the same districts were not much above 60°.

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

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

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 2<sup>ND</sup> MAY.

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		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.	°	°	°						°	Inch.				
SCANDINAVIA.	Haparanda ...	30.02	28	NE	2	c	30.02	-01	30	30	0	NE	4	0	*	c	37	19	—		
	Hernösand ...	29.92	31	N	2	s	29.92	-07	33	32	+3	N	2	0	*	s	36	23	0.04		
	Stockholm ...	29.85	32	N	2	0	29.80	+18	34	30	-1	N	2	0	*	0	43	25	—		
	Wisby ...	29.86	35	NNE	6	0	29.93	+10	37	35	+1	NNW	4	0	*	0	39	32	0.04		
	Bodö ...	30.01	29	ESE	6	b	30.05	+10	32	29	0	ENE	4	6	2	b	34	27	—		
	Christiansund...	29.80	42	SE	1	f	29.87	+11	41	38	-2	NNW	1	c	2	f	45	33	0.04		
	Skudesnaes ...	29.87	43	NNW	3	c	29.91	+10	43	41	-2	NNW	2	c	2	c	50	39	—		
	Christiania Fjord (Færd)	29.86	37	SE	2	T	29.85	+05	40	40	+7	NE	3	0	3	T	4	36	—		
	Skagen (The Scaw)	29.85	40	WNW	4	0	29.85	+05	42	40	+7	NW	2	c	1	0	42	34	0.04		
	Fanö ...	29.95	44	N	4	b	29.96	+14	44	42	+2	N	4	bc	*	b	50	41	—		
BRITISH ISLANDS.	Sumburgh Head	29.81	48	N	1	b	29.84	+10	48	44	+4	2	0	b	0	bc, b	51	35	—		
	Stornoway ...	29.85	48	NW	2	bc	29.84	+04	49	45	+5	2	0	b	2	c, bc	50	32	0.16		
	Wick ...	29.88	43	NE	1	b	29.80	+05	47	42	+5	2	0	bv	0	b	50	32	0.10		
	Nairn ...	29.86	47	N	2	bc	29.89	+03	45	43	0	2	0	b	0	bc	53	31	0.02		
	Aberdeen ...	29.90	45	SE	2	c	29.93	+05	46	42	-2	SE	1	bc	1	ch, bc	52	35	0.05		
	Leith ...	29.88	51	NNW	3	c	29.90	-01	46	43	-1	2	1	0	*	c	53	41	—		
	Shields ...	29.91	50	ESE	1	c	29.94	-01	45	44	-2	ESE	1	d	2	c	53	44	0.01		
	Spurn Head ...	29.95	47	S	1	f	29.95	-04	50	50	+3	NNW	1	c	2	f	51	45	0.14		
	York ...	29.95	51	N	2	0	29.94	-06	53	50	+5	S	1	0	*	0	55	46	0.01		
	Loughborough	29.97	54	WNW	3	0	29.99	-07	54	51	+4	NW	2	c	*	0	58	44	0.03		
GERMANY & HOLLAND.	Ardrossan ...	29.91	48	WNW	2	c	29.86	-07	43	43	-3	NE	3	om	1	c	45	41	0.06		
	Malin Head ...	29.92	47	NW	1	OT	29.98	-17	47	47	+2	SE	2	OT	2	0.07	51	42	0.16		
	Mullaghmore ...	29.91	53	NW	2	T	29.95	-10	51	50	+5	SE	3	OT	*	of	53	45	0.14		
	Belmullet ...	29.94	48	WNW	3	0	29.86	-14	49	49	+3	WNW	3	T	1	0	52	45	0.11		
	Donaghadee ...	29.94	48	WNW	3	0	29.86	-14	49	49	+3	WNW	3	T	1	0	52	45	0.11		
	Liverpool (Bidston)	29.97	50	NNW	1	0	29.94	-10	54	50	+4	NW	1	0	1	0	54	45	0.12		
	Holyhead ...	29.97	50	WNW	2	0	29.91	-12	50	50	+2	WNW	4	omg	3	29.05	52	46	0.10		
	Parsonstown ...	29.94	50	NW	1	bc	29.81	-10	53	51	+2	SE	1	OT	*	bc, bc	51	44	0.06		
	Valencia ...	29.00	54	S	3	omg	29.92	-34	53	53	+2	SE	5	omg	5	29.05	57	50	0.42		
	Roche's Point	29.00	55	N	5	c	29.84	-21	52	52	-1	NW	4	T	4	ch, T	57	50	0.15		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.02	51	WNW	3	c	29.95	-14	51	49	+1	WNW	4	og	5	c	52	43	0.02		
	Scilly ...	29.10	55	WNW	4	c	29.96	-20	57	53	+2	S	5	og	3	c	60	50	—		
	Prawle Point ...	29.11	53	WNW	4	bc	29.03	-14	49	48	-3	S	3	c	2	bc, 0	56	49	—		
	Jersey (St. Aubin's)	29.16	55	NNW	4	b	29.06	-16	53	53	?	SE	3	bc, bc	3	bc, bc	53	?	—		
	Hurst Castle ...	29.09	53	NW	4	bc	29.06	-28	52	50	-1	NW	4	c	2	bc, bc	56	50	—		
	Dungeness ...	29.06	52	NNW	5	c	29.07	-04	52	50	+1	WNW	2	ow	3	0, c	56	48	—		
	North Foreland	29.03	53	NNW	2	cp	29.04	-04	53	52	+2	WNW	1	c	2	0, cp	58	47	—		
	London ...	29.03	58	NW	3	0	29.05	-06	53	49	0	WNW	2	0	*	0, bc	62	45	0.01		
	Oxford ...	29.05	52	NNW	3	c	29.03	-08	52	45	+3	NW	2	0	*	0, c	59	45	—		
	Cambridge ...	29.00	56	NNW	4	0	29.02	-06	54	51	+1	S	4	bc	*	0	59	42	0.01		
PENINSULA.	Yarmouth ...	29.01	48	SE	3	T	29.01	00	54	52	+4	N	3	bc	3	cp, OT	53	44	0.01		
	Cuxhaven ...	29.04	45	NNW	4	bc	29.04	+14	44	43	-3	WNW	2	n	*	bc	50	42	0.01		
	Berlin ...	29.03	46	NNW	2	c	29.08	+18	43	41	-3	N	1	T	*	c	54	41	0.01		
	Wiesbaden ...	29.03	46	NNW	2	c	29.15	+02	51	46	0	NNW	2	c	*	*	61	37	—		
	Munich ...	29.17	49	NNW	4	bc	29.20	+04	51	44	+1	NW	3	b	*	bc	53	34	—		
	The Helder ...	29.08	47	NNW	1	T	29.08	+04	49	47	+2	NNW	1	c	1	T	50	45	0.01		
	Brussels (9 a.m.)	29.08	51	NNW	4	c	29.10	-01	52	48	+1	N	2	c	*	bc	60	44	—		
	Cape Gris Nez	29.08	51	NNW	4	c	29.06	-04	50	50	+1	NNW	3	0	3	c	54	48	—		
	Paris ...	29.14	61	N	2	b	29.14	-05	48	44	+2	E	1	b	*	b	66	38	—		
	Brest ...	29.14	59	NNW	1	c	29.14	-05	48	44	+2	E	1	b	*	b	66	38	—		
PENINSULA.	Lorient ...	29.16	59	N	2	b	29.06	-15	48	46	+1	E	2	c	2	c	59	35	—		
	Rochefort ...	29.09	62	NNW	4	b	29.04	-16	52	48	+3	ESE	3	b	*	b	72	46	—		
	Belfort ...	29.13	53	NE	2	b	29.15	-04	53	44	+3	NE	1	b	*	b	66	43	—		
	Lyons ...	29.07	58	N	2	0	29.09	+15	60	56	+4	E	1	b	1	b	66	52	—		
	Nice ...	29.05	69	NE	2	b	29.10	00	53	54	+2	N	2	b	3	b	74	47	—		
	Perpignan ...	29.05	61	NNW	3	b	29.04	-11	56	53	+2	2	0	b	3	b	64	52	—		
	Biarritz ...	29.04	61	NNW	3	b	29.04	-11	56	53	+2	2	0	b	3	b	64	52	—		
	Corunna ...	29.07	61	NE	3	f	29.10	+05	62	57	-2	N	4	b	*	bc, b	75	53	—		
	Lisbon ...	29.07	61	NE	3	f	29.10	+05	62	57	-2	N	4	b	*	bc, b	75	53	—		

For Explanation of Columns see last page.

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Tuesday, 2<sup>nd</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

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

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

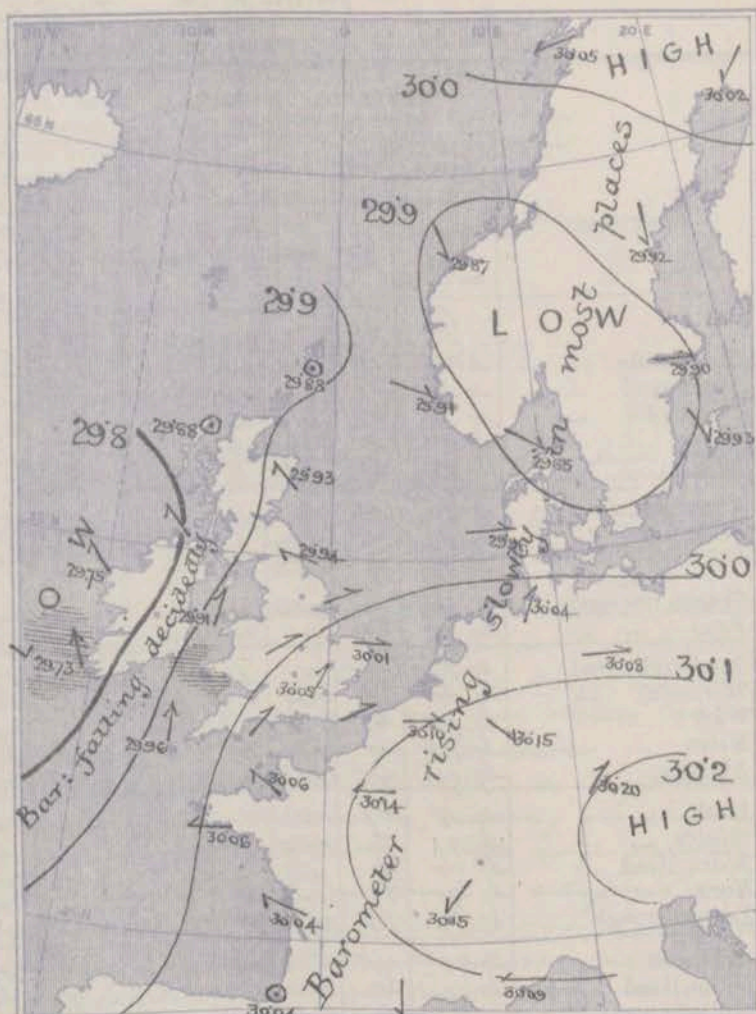
▨ = Rough. ▩ = High.

### MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of May

During the 29 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Ardrossan	29.935
Mullaghmore	29.929
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.959
Pembroke	29.961
Scilly	29.974
Prasle Point	29.982
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

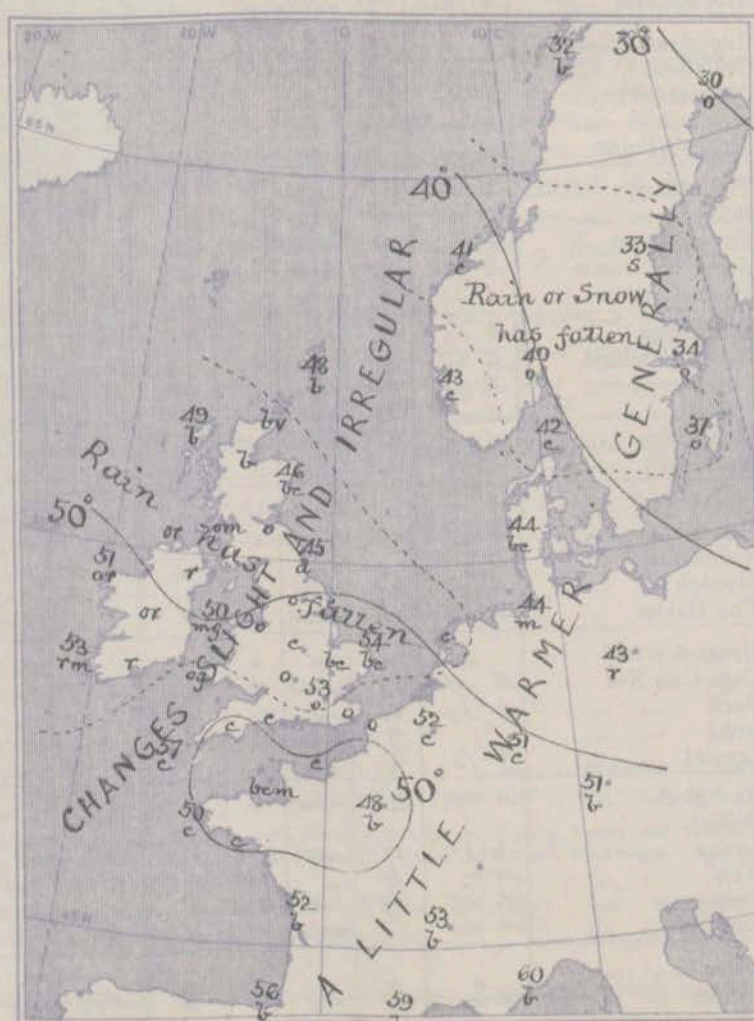
**WEATHER** is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	53.0	40.6	48.1	45.6	1.69
Nairn	50.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.87
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.00
Ardrossan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.0	47.5	2.20
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.9	45.9	49.9	47.7	2.03
Scilly	56.3	48.2	52.7	50.3	1.73
Prasle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.0	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.7 in: to 30.0 in: over Germany, France, and the south of England; 30.0 in: and more over Lapland.  
 Lowest, 29.9 in: and less, in a shallow depression over the southern half of Scandinavia, and 29.8 in: and less, in another approaching Ireland from the Atlantic.  
 Gradient slight and irregular except over the western parts of our Islands, where they are moderate — for S winds.  
 Barometer falling decidedly in the far west, rising in the north.

## TEMPERATURE

Highest, 62° at Lisbon, 60° at Nice, 57° at Lillo.  
 Lowest, 30° to 34° over Lapland and Sweden, 37° at Kirkby; 43° to 48° on our own north and northeast coasts.  
 A maximum of 62° was recorded in London yesterday, but at all our other stations the thermometer failed to reach 60°.  
 At Paris the maximum was 66°, at Rochefort 72°, at Brest 74°, and at Lisbon 75°.

## WIND

Very variable in direction and light in force at the Continental stations; moderate E over the Bay of Biscay, S to SW over Ireland and England, and freshening on our southwestern coasts; calm in Scotland.  
 The S wind is apparently increasing decidedly on our southwestern coasts.

## WEATHER

Still fine over France and Germany, moderately fair over England, but with an unsettled appearance, dull and rainy at ~~most~~ all the Irish stations. Solar halos are visible at Oxford and in London — that in London being very clearly defined.  
 Rain has fallen generally in the west and north.

## SEA

Rather rough at some of our southwestern stations, very little disturbed elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance approaching Ireland appears likely to bring rainy unsettled weather to all parts of the Kingdom, and probably S gales to our southwestern coast.

## FORECASTS

For the 24 hours ending at NOON on 3<sup>rd</sup> May, 1893.

### DISTRICTS.

### FORECASTS.

- |   |                  |  |
|---|------------------|--|
| 0 | SCOTLAND NORTH   | SE <sup>2</sup> and S <sup>2</sup> winds, light or moderate, fair to rainy.                      |
| 1 | SCOTLAND EAST    |  |
| 2 | ENGLAND N.E.     | S <sup>2</sup> and SW <sup>2</sup> winds, freshening; becoming rainy, perhaps thunder in places. |
| 3 | ENGLAND EAST     |  |
| 4 | MIDLAND COUNTIES |  |
| 5 | ENGLAND SOUTH    |  |

### DISTRICTS.

### FORECASTS.

- |          |               |   |
|----------|---------------|---|
| 6        | SCOTLAND WEST | S <sup>2</sup> and SE <sup>2</sup> winds, unsettled, rainy.                               |
| 7        | ENGLAND N.W.  |   |
| 8        | ENGLAND S.W.  | S <sup>2</sup> and SW <sup>2</sup> winds, strong; squally, rainy, perhaps a gale locally. |
| 9        | IRELAND NORTH | Same as No 6 and 7.   |
| 10       | IRELAND SOUTH | Same as No 8.   |
| WARNINGS |               | At 10 am to districts 8, 10, and part of 7.<br>"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. Diror.	F.	WEA.	SEA.		BAR.		THER.		WIND. Diror.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.86	50	44	W	2	C	2	Valencia ...	30.04	59	53	W	2	C	2	
Sumburgh Head ...	29.81	50	45	W	2	C	1	Scilly ...	30.14	59	56	W	4	C	2	
Stornoway ...	29.86	49	44	W	4	C	4	Jersey ...	30.21	59	51	W	2	C	2	
Aberdeen ...	29.70	49	40	W	2	C	2	Hurst Castle ...	30.14	56	51	W	4	C	2	
Shields ...	29.73	52	46	W	2	C	2	Dungeness ...	30.09	54	51	W	3	C	4	
Ardrossan ...	29.52	49	46	W	2	C	2	North Foreland ...	30.06	56	52	W	4	C	2	
Malin Head ...	29.74	46	45	W	2	C	2	London ...	30.06	60	51	W	2	C	2	
Mullaghmore ...								Yarmouth ...	30.03	58	49	W	2	C	2	
Belmullet ...	29.78	52	50	W	2	C	2	Rochefort ...	30.21	64	56	W	4	C	2	
Holyhead ...	29.78	50	50	W	4	C	2									

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

Weather fine in all the more eastern and southern parts of Great Britain, as well as over the Netherlands and the greater part of central and southern Europe. Rainy at several of our western stations, dull in many parts of Scandinavia, Denmark, and Russia, with rain at Viterby and Skagen, and with snow at Archangel. A little rain falling later in all but the extreme southern parts of the United Kingdom, as well as in Holland and North Germany.

Temperature risen generally, but fallen a little in Denmark, France, and South Germany. Morning readings highest 69° at Amsterdam and Glog, 68° at Oron and Alps, and 64° at Lisbon; above 60° at the Mediterranean stations generally. Lowest 28° at Archangel, 30° at Habaranda and Vindland, 31° at Kusko, and 33° at Helsingfors and Jantar; below 40° in many parts of Scandinavia and Russia, and below 45° in the extreme north of Scotland. Daily maxima over our Islands below 60° at all but one or two of our southern stations, and below 55° in the northern parts of the Kingdom. Thermometers exceeding 65° in France, and reaching 74° at Perpignan, and 75° at Lisbon.

Wind light to moderate from the W<sup>nd</sup> or SW<sup>nd</sup> over the United Kingdom and the Netherlands, and from the W<sup>nd</sup> or NW<sup>nd</sup> over Germany and the eastern shores of the North Sea. NE<sup>nd</sup> over Finland, Sweden and the north of Norway; light from the SE<sup>nd</sup> over the southern parts of Russia. Variable in Italy and Algeria, light from the E<sup>nd</sup> or NE<sup>nd</sup> over Spain and the west and south of France.

Barometer highest 30.2 ins. and upwards in an anticyclone lying over the northern parts of France and the Bay of Biscay; 30.1 ins. and upwards in another system lying over the southern parts of Russia, 30.0 ins. and upwards in a third lying over the north of Sweden. Lowest 29.6 ins. and less, in a depression over the Baltic Provinces; 29.8 ins. and less, in a large shallow area lying to the northward of Scotland and the westward of Norway. Latter disturbance subsequently moving away to the north-eastward, but small shallow depressions passing eastward across our Islands 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, (heavy); 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 Wednesday, 3<sup>rd</sup> May, 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.						SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirc.	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.	Dirc.	Force (0 to 12).	Weather.	Sea (0 to 3).			Weather.	Max.	Min.	Amount of Rainfall.
	Ina.	°					Ina.	°	°	°	°								°	ins.	
SCANDINAVIA.																					
Haparanda ...	30.06	24	Z	0	b		30.17	+1.5	28	28	- 2	Z	0	c	#			b	36	21	-
Hernösand ...	30.10	31	N	2	S		30.21	+2.9	33	29	0	N	2	bc	#			S	34	27	0.04
Stockholm ...	30.00	36	N	1	o		30.11	+2.1	36	32	+ 2	SE	2	bc	#			o	43	27	-
Wisby ...	30.01	33	NW	4	b		30.13	+2.0	36	34	- 1	NW	4	f	#			b	41	30	-
Bodo ...	30.08	32	E	2	b		30.16	+1.1	32	27	0	E	4	f	#			b	37	25	-
Christiansund...	29.97	39	N	2	b		30.08	+2.1	39	37	- 2	SW	2	c	2			b	43	36	0.05
Skudesnaes ...	30.02	43	NW	2	b		30.10	+1.9	44	42	+ 1	SEE	2	#	2			b	52	37	-
Christiania Fjord (Fjærd)	29.98	42	Z	0	c		30.08	+2.3	41	40	+ 1	Z	0	c	2			c	43	39	-
Skagen (The Scaw)	29.98	43	NW	1	b		30.07	+2.2	43	42	+ 1	S	1	f	0			b	50	37	-
Fanø ...	30.04	44	Z	0	c		30.08	+1.2	45	42	+ 1	SE	2	f	#			c	48	43	-
Sumburgh Head	29.94	46	Z	0	bc		30.10	+2.2	45	41	- 3	NE	1	o	1			b, bc	53	38	0.01
Stornoway ...	29.85	48	E	3	o		30.00	+1.2	47	47	- 2	S	3	o	3			c, o	44	44	0.03
Wick ...	29.92	49	SE	1	o		30.07	+1.7	48	46	+ 1	S	1	o	0			o	52	38	-
Nairn ...	29.85	52	E	1	c		30.05	+1.6	45	43	0	Z	0	#	0			c	54	41	0.01
Aberdeen ...	29.93	45	SE	2	og		30.09	+1.6	44	44	- 2	SE	1	otm	2			cgp	49	43	0.06
Leith ...	29.87	45	E	1	#		30.06	+1.6	49	48	+ 3	E	1	om	#			#	49	44	0.11
Shields ...	29.89	45	E	1	#		30.10	+1.6	47	46	+ 2	N	1	c	2			p, #	47	41	0.17
Spurn Head ...	29.89	54	WSW	3	c		30.08	+1.3	47	47	- 3	N	3	f	2			c, #	58	46	0.08
York ...	29.90	54	WSW	1	o		30.10	+1.6	51	50	- 2	NW	1	b	#			o	60	43	0.16
Loughborough	29.94	51	SW	1	o		30.10	+1.1	54	52	0	NW	1	cm	#			o, p	62	49	0.08
BRITISH ISLANDS																					
Ardrossan ...	29.82	47	NE	3	o		30.05	+1.9	49	49	+ 6	NE	1	om	1			rm, o	49	41	0.09
Malin Head ...	29.75	50	SE	2	op		30.04	+2.6	51	50	+ 4	SSW	3	o	1			o, p	53	47	0.33
Mullaghmore ...																					
Belmullet ...	29.78	55	WSW	3	bc		30.04	+2.9	55	53	+ 4	SSW	3	o	#			o, bc	57	50	0.07
Donaghadee ...	29.82	51	SW	3	o		30.09	+2.3	55	53	+ 6	NW	3	b	1			o	57	48	0.06
Liverpool (Bidston)	29.89	51	SE	1	#		30.12	+1.8	51	50	- 3	N	2	o	1			#	56	50	0.09
Holyhead ...	29.85	50	E	3	opm		30.12	+2.1	54	52	+ 4	NW	3	b	3			rg, pm	55	48	0.09
Parsonstown ...	29.80	55	Z	0	o		30.11	+3.0	51	50	- 2	SE	1	c	#			o	59	44	0.12
Valencia ...	29.91	56	SW	5	cm		30.11	+3.8	56	55	+ 3	SEE	3	om	4			ogm	58	51	0.07
Roche's Point	29.86	58	N	4	bc		30.15	+3.1	54	52	+ 2	SEE	2	o	3			bc, f	59	46	0.10
Pembroke (St. Ann's Hd.)	29.87	51	SSW	4	c		30.17	+2.2	51	50	0	N	2	b	4			o, c	52	48	0.08
Scilly ...	29.98	55	WSW	5	bc		30.19	+2.3	55	53	- 2	N	1	b	4			omp, f	57	49	0.03
Prawle Point ...	29.99	51	S	4	c		30.19	+1.6	57	54	+ 8	NW	2	b	1			c	57	49	-
Jersey (St. Aubin's)	30.04	59	N	3	og		30.22	+1.6	55	51	- 1	NW	3	b	3			c, og	62	52	-
Hurst Castle ...	29.99	53	SSW	3	c		30.15	+0.9	57	55	+ 5	NW	4	bm	2			bc, c	58	52	-
Dungeness ...	30.00	53	N	1	o		30.08	+0.1	60	55	+ 8	NW	3	c	2			o	60	50	-
North Foreland	29.96	55	SW	1	bc		30.06	+0.2	56	53	+ 1	NW	4	og	3			c, bc	60	48	-
London ...	29.95	58	SSW	3	o		30.10	+0.5	57	53	+ 4	NW	2	c	#			c, bc	64	51	-
Oxford ...	29.97	53	SW	2	p		30.13	+1.0	55	51	+ 2	NW	2	o	#			c, p	62	49	0.01
Cambridge ...	29.94	60	SSW	1	o		30.11	+0.9	55	53	+ 1	NW	2	o	#			o	63	49	0.02
Yarmouth ...	29.95	54	S	3	c		30.06	+0.5	54	52	0	NW	2	cm	2			c	59	49	-
GERMANY & HOLLAND																					
Cuxhaven ...	30.08	46	NNE	2	o		30.07	+0.3	46	45	+ 2	E	3	bc	#			o	49	44	0.02
Berlin ...	30.10	46	NW	2	c		30.11	+0.3	46	44	+ 3	SE	2	o	#			c	50	43	0.12
Wiesbaden ...	#	#	#	#	#		30.04	-1.1	56	52	+ 5	SW	1	o	#			#	68	41	-
Munich ...	30.13	54	SE	2	bc		30.11	-0.9	54	49	+ 3	SW	2	o	#			#	64	43	-
The Helder ...	30.04	50	SSW	1	c		30.06	-0.2	51	50	+ 2	NW	1	b	1			c	54	46	0.04
BRUSSOLS (9 a.m.)	#	#	#	#	#		30.08	-0.2	53	50	+ 1	WSW	3	c	#			o	65	47	0.04
Cape Gris Nez	29.99	57	SW	1	c		30.04	-0.2	52	52	+ 2	N	2	bc	2			c	59	46	-
Paris ...	30.01	68	ESE	1	c		30.15	+0.1	54	50	+ 6	N	2	c	#			c	73	48	-
Brest ...	#	57	N	3	c		#	#	53	52	+ 3	NW	2	f	3			c	61	48	-
Lorient ...	30.06	58	NW	5	c		30.22	+1.6	57	54	+ 9	N	3	u	4			c	66	48	-
FRANCE AND BELGIUM																					
Rocheport ...	30.04	62	NW	4	b		30.21	+1.7	56	53	+ 4	NNE	3	b	#			b	?	52	-
Belfort ...																					
Lyons ...	30.01	69	E	1	b		30.18	+0.3	61	51	+ 8	S	1	c	#			b	76	51	-
Nice ...	30.10	60	SW	2	bc		30.12	+0.3	59	54	- 1	Z	0	b	0			bc	68	52	-
Perpignan ...	30.09	64	NE	2	bc		30.19	+0.9	57	?	- 2	N	2	b	#			bc	71	49	-
Biarritz ...	30.12	62	N	4	b		30.23	+1.9	59	56	+ 3	Z	0	o	1			b	72	56	-
PENIN- SULA.																					
Corunna ...	#	#	#	#	#													#			
Lisbon ...	30.10	58	NW	5	b		30.10	0.0	63	56	+ 1	NNE	4	b	#			#	73	54	-

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday, 3<sup>rd</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ dead calm.

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

— Rough. — High.

### MEAN HEIGHT OF THE BAROMETER

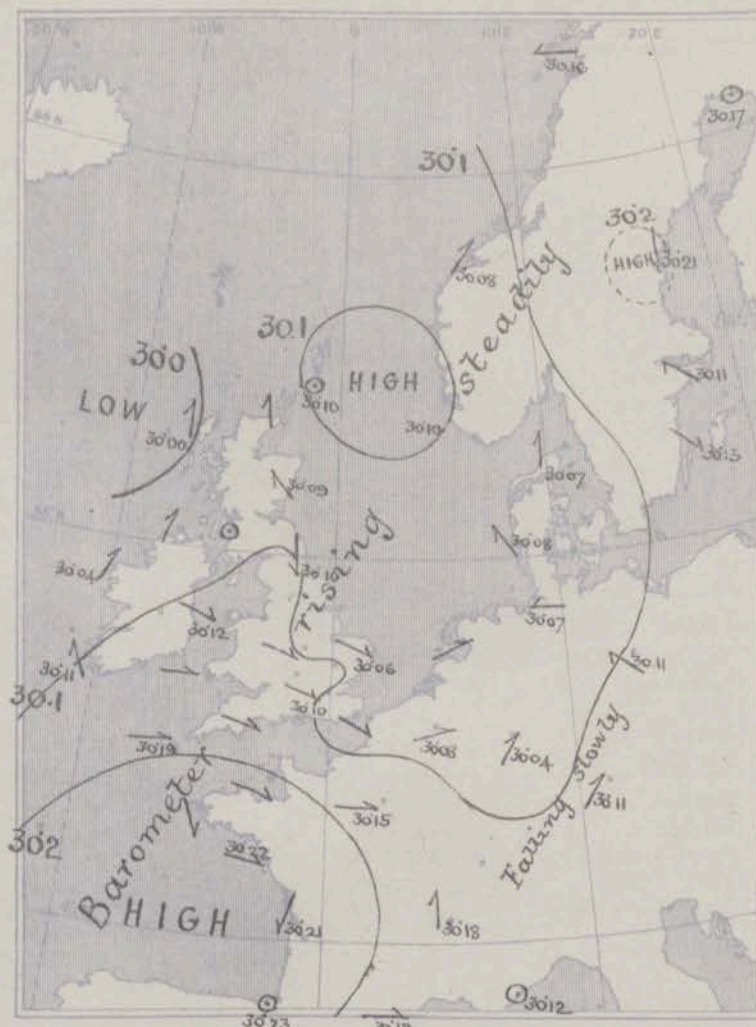
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Samburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.922
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Androsan	29.985
Mullaghmore	29.929
Doughbadon	29.947
Holyhead	29.950
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Rock's Point	29.959
Pembroke	29.961
Selly	29.974
Prawle Point	29.982
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.970
Yarmouth	29.967



## 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.

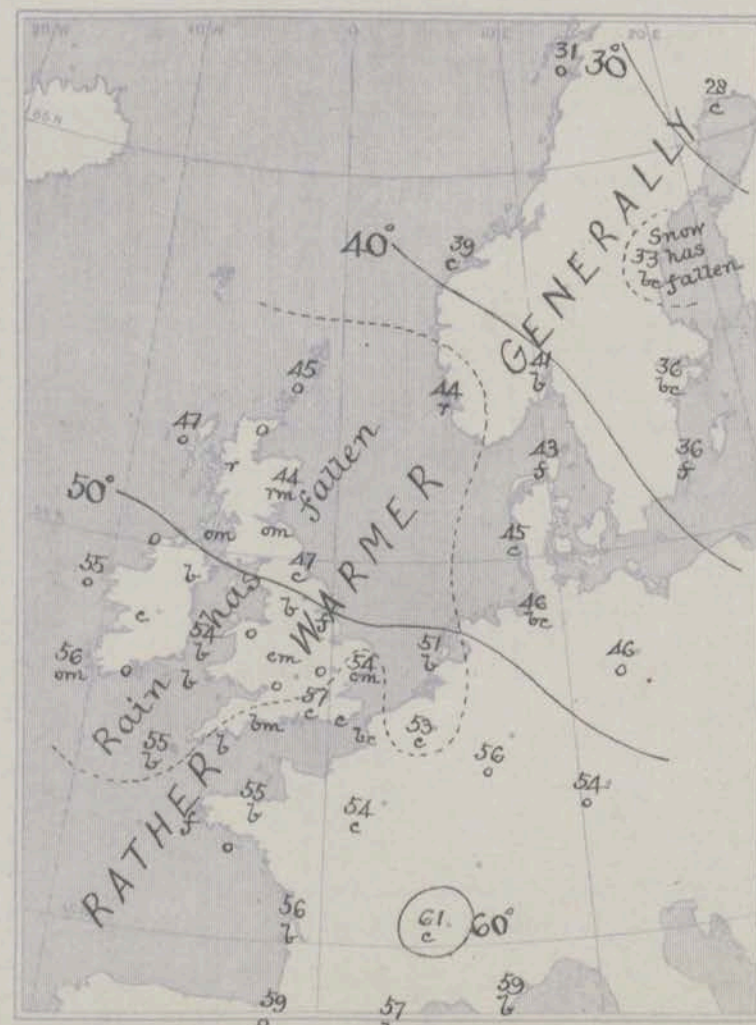
**WEATHER**—is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Stirlingburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	50.3	41.1	48.6	46.4	2.61
Wick	50.9	40.6	48.1	45.6	1.69
Nairn	50.3	42.2	48.6	45.4	1.61
Aberdeen	50.0	41.9	48.9	45.4	1.99
Leith	50.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	43.1	49.3	47.2	1.57
York	50.6	42.2	49.8	46.7	1.85
Loughborough	51.7	42.6	51.1	47.7	2.09
Androsan	50.5	43.0	49.5	46.7	2.34
Mullaghmore	50.7	40.3	50.2	47.4	2.42
Doughbadon	50.0	44.2	49.6	47.5	2.26
Holyhead	50.2	40.2	50.5	48.0	1.99
Liverpool	50.0	45.0	50.8	46.9	1.84
Parsonstown	50.3	42.7	51.0	47.8	2.24
Valencia	58.1	40.3	52.8	49.7	3.20
Rock's Point	58.9	40.2	51.7	48.8	3.14
Pembroke	50.0	45.9	49.9	47.7	2.03
Selly	50.3	48.2	52.7	50.3	1.73
Prawle Point	50.0	45.3	51.4	49.4	1.56
Jersey	50.4	47.2	53.0	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.2	44.4	52.5	48.5	1.80
Oxford	60.0	43.4	50.6	47.5	1.96
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.9	50.0	48.1	1.80

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in: and more to 30.1 in: over Spain, France, South Germany, and the southern and southwestern parts of our Islands, and exceeding 30.1 in: over the greater part of Sweden and Norway also.

Lowest, 30.0 in: in the Hebrides, and apparently over the southern part of the North Sea also.

Gradients slight and irregular. Barometer rising over the United Kingdom generally.

## TEMPERATURE

Highest, 63° at Linton, 61° at Lyons, 60° at Dungeness.

Lowest, 28° at Kasperanda, 33° to 36° at the other Swedish stations, 44° to 45° in the east of Scotland.

The maxima recorded yesterday were 60° to 64° over our inland counties, 73° at Paris and Linton, 76° at Lyons. In the west of Scotland they were below 50°.

## WIND

Light to moderate in force, but extremely variable in direction — Mainly S<sup>4</sup> at our western stations.

W<sup>3</sup> to NW<sup>3</sup> over England and France, S<sup>3</sup> and SE<sup>3</sup> on the eastern shores of the North Sea.

## WEATHER

Overcast in Ireland and the west of France, rainy in the east of Scotland and west of Norway, cloudy over the southeast of England, but clear on the Welsh coast and the southwest of England.

Rain fell yesterday at all the northern, western, and midland stations, but not in large quantities. There was some fall over the Netherlands also. Hail was seen at our southern stations.

## SEA

Moderate on our southwestern coasts, slight or smooth elsewhere, very smooth off the east of Scotland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The type of pressure-distribution is such as is usually accompanied by showery thundery weather — but is inclined to improve in the southwest again.

## FORECASTS

For the 24 hours ending at NOON on 4<sup>th</sup> MAY, 1893.

### DISTRICTS.

### FORECASTS.

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

SE<sup>3</sup> breezes, light; some rain at times.

Same as No. 5.

NW<sup>3</sup> breezes, light; most probably some showers, then SW<sup>3</sup> and clearer.

### DISTRICTS.

### FORECASTS.

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

Varying S<sup>3</sup> winds; changeable, some rain occasionally.

### WARNINGS

At 10.20 am to districts 8, 10, and part of 7 "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. Direc.	P.	WEA.	SEA.		BAR.	THER. Dry.	Wet.	WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.												
Skudesnaes ...	29.98	51	45	W	4	b	2	Valencia ...	29.83	56	55	Sy	5	o g m	4
Sumburgh Head ...	29.92	50	46	SE	1	b	1	Scilly ...	29.95	56	54	SSy	5	o p m	4
Stornoway ...	29.86	49	45	NE	4	c	4	Jersey ...	30.04	62	54	Wsy	3	c	3
Aberdeen ...	29.93	47	44	SE	2	c	2	Hurst Castle ...	30.03	58	54	SSy	3	b c	2
Shields ...	29.91	46	45	ESE	3	c	2	Dungeness ...	30.03	54	51	Wsy	2	c	2
Ardrossan ...	29.84	47	46	NE	3	4	1	North Foreland ...	29.99	58	54	S	3	c	3
Malin Head ...	29.75	52	52	S	3	0	1	London (Westminster) ...	30.00	62	53	SSy	2	b c	*
Mullaghmore ...								Yarmouth ...	29.98	58	54	SSy	4	c	4
Belmullet ...	29.68	57	54	SSy	2	0	*	Rochefort ...	30.06	71	63	HW	2	b	*
Holyhead ...	29.90	51	49	SSy	4	49	4								

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

Weather cloudy or overcast in all but the extreme northern and southeastern parts of the United Kingdom, with rain at all the Irish stations. Dull also in many parts of Scandinavia, Denmark, Germany, and Russia, rain falling at several of the German stations and snow over the Gulf of Finland. Fine and bright over France and the greater part of southern Europe, but rain falling at Madrid and also at Algiers. Rain falling later in all the more western and northern parts of the United Kingdom, and slight showers in the Netherlands and some parts of our southeastern counties, but weather remaining very dry in the extreme south.

Temperature changed very irregularly. Morning readings highest 74° at Barcelona, 67° at Oram and Jaxe, and 66° at Algiers; above 60° over the Mediterranean and Adriatic generally, as well as on the coasts of the Spanish Peninsula. Lowest 23° at Archangel, 28° at Krasnoyarsk, 30° at Krasnodar, and 32° at Ulsabog and Hango; below 40° over the whole of Sweden and northern Russia. Rising during day to between 60° and 64° over the central and southern parts of England, exceeding 70° at many of the French stations, and reaching 76° at Lyons.

Wind S<sup>1</sup> or SE<sup>1</sup> in most parts of the United Kingdom, light or moderate in force generally, but fresh on our extreme south-east coast. W<sup>1</sup> over Denmark, Germany, Austria, and the central parts of Russia, but NE<sup>1</sup> over the northern parts of Russia and Scandinavia. E<sup>1</sup> in the west and south of France, NE<sup>1</sup> in Spain, N<sup>1</sup> in Italy. Light E<sup>1</sup> breezes setting in later over the northern parts of our Islands, but wind shifting to the W<sup>1</sup> in the west of France; no important change occurring elsewhere.

Barometer highest 30.1 in and upwards in three large areas lying over various parts of Central and Southern Europe and the Mediterranean. Lowest 29.6 in and less, in a depression having its centre near St Petersburg; 29.8 in and less, in a shallow disturbance lying to the westward of our Islands. Shallow secondary systems appearing later over various parts of Ireland and England, and distribution of pressure becoming very irregular.

### 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> May,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
				Reading at 25° F. and Sea Level.	Dry Bulb.		Direc.	Force (0 to 12).	Reading at 25° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Direc.	Force (0 to 12).		Max.	Min.
		Inch.	°				Inch.	°	°	°							°	Inch.		
SCANDINAVIA.	Haparanda ...	30.24	26	Z	0	bc	30.35	+18	30	30	+2	Z	0	b	#	bc	34	10	-	
	Hernösand ...	30.32	23	S	2	c	30.37	+16	38	34	+5	Z	0	bc	#	c	37	27	-	
	Stockholm ...	30.24	33	Z	0	b	30.36	+25	37	31	+1	NNE	2	b	#	b	41	27	-	
	Wisby ...	30.21	33	NNE	4	b	30.33	+20	36	33	0	NNE	4	b	#	b	39	30	-	
	Bodö ...	30.27	33	Z	0	0	30.41	+25	36	31	+4	N	1	b	1	0	36	27	-	
	Christiansund...	30.30	41	NE	2	c	30.45	+37	42	38	+3	SE	1	c	1	c	43	39	-	
	Skudesnaes ...	30.23	41	NW	5	b	30.32	+22	44	39	0	NW	4	bc	2	c, b	50	37	-	
	Christiania Fjord (Færder)	30.12	44	NW	2	c	30.27	+19	40	39	-1	NNE	5	0	2	c	46	39	-	
	Skagen (The Scaw)	30.13	42	SSW	1	b	30.25	+18	43	42	0	E	3	0	1	b	50	41	-	
	Fanø ...	30.20	41	N	2	b	30.28	+20	45	41	0	NW	4	b	#	b	52	39	0.16	
	Sumburgh Head	30.20	46	E	1	b	30.30	+20	45	41	0	ESE	3	0	4	c, b	50	39	-	
	Stornoway ...	30.11	48	S	2	0	30.12	+12	53	53	+6	SW	4	r	4	0	53	45	0.03	
	Wick ...	30.22	46	S	1	0	30.19	+12	46	46	-2	SE	3	r	1	0, r	52	44	0.36	
	Nairn ...	30.16	49	Z	0	r	30.18	+15	49	49	+4	Z	0	f	0	r	50	44	0.15	
	Aberdeen ...	30.22	45	SSE	2	ogr	30.24	+15	46	46	+2	S	2	om	2	or*	49	44	0.12	
	Leith ...	30.18	50	NW	1	r	30.24	+18	51	50	+2	NW	2	bm	#	r	58	45	0.01	
	Shields ...	30.20	51	ESE	2	0	30.29	+17	55	52	+8	SW	1	bm	2	op	55	45	-	
	Spurn Head ...	30.22	47	ESE	2	cm	30.32	+24	46	46	-1	SSE	2	om	3	cf	58	42	-	
	York ...	30.19	57	ESE	1	0	30.31	+21	47	46	-4	SSE	1	b	#	0	66	41	-	
	Loughborough	30.22	62	NW	2	bc	30.32	+22	55	42	+1	ESE	1	bmw	#	bc	66	39	-	
BRITISH ISLANDS.	Ardrossan ...	30.16	54	Z	0	0	30.24	+19	51	50	+2	Z	0	om	1	c, 0	56	47	-	
	Malin Head ...	30.11	58	S	1	0	30.13	+09	55	53	+4	S	4	0	1	0	59	51	-	
	Mullaghmore ...																			
	Belmullet ...	30.15	57	S	3	0	30.12	+08	56	53	+1	SSE	2	0	#	0	60	53	-	
	Donaghadee ...	30.19	52	SSW	3	c	30.26	+17	50	50	-5	NW	3	f	1	c	61	47	-	
	Liverpool (Bidston)	30.23	57	NW	1	bc	30.29	+17	59	54	+5	SE	1	b	0	bc	59	47	-	
	Holyhead ...	30.22	53	SSW	4	b	30.28	+16	49	49	-5	SSW	1	qfw	2	bc, b	60	46	-	
	Parsonstown ...	30.16	61	SW	1	0	30.29	+09	54	52	+3	SE	1	0	#	c, 0	67	49	-	
	Valencia ...	30.17	58	SSE	4	om	30.15	+04	57	56	+1	SSE	6	og	5	og, om	62	54	-	
	Roche's Point	30.22	54	S	3	0	30.25	+10	54	52	0	SSE	4	0	4	of	58	50	-	
	Pembroke (St. Ann's Hd.)	30.26	50	SW	2	0	30.29	+12	49	49	-2	SE	2	f	3	0	57	45	0.02	
	Scilly ...	30.27	57	SSE	2	b	30.23	+04	55	53	0	SE	5	cw	4	b	61	50	-	
	Prawle Point ...	30.26	54	NW	4	bc	30.34	+15	53	53	-2	SSE	1	bm	1	bc	57	49	-	
	Jersey (St. Aubin's)	30.29	59	NW	3	b	30.35	+13	60	55	+5	ENE	2	b	2	bc, b	61	43	-	
	Hurst Castle ...	30.24	57	W	4	bm	30.34	+19	58	55	+1	?NW	2	b	1	b	64	46	-	
	Dungeness ...	30.21	53	N	2	c	30.35	+27	49	49	-11	E	3	f	2	c	63	45	-	
	North Foreland	30.18	59	S	1	bc	30.36	+30	47	47	-9	SE	4	og	3	bc	65	44	-	
	London ...	30.22	63	NNE	2	bc	30.36	+26	51	50	-6	E	1	omw	#	c, bw	66	46	-	
	Oxford ...	30.26	56	N	1	b	30.34	+21	57	53	+2	Z	0	bf	#	c, b	69	41	-	
	Cambridge ...	30.23	62	NW	1	0	30.36	+25	48	47	-7	SSE	1	b	#	0	66	42	-	
Yarmouth ...	30.19	50	NNE	3	f	30.36	+30	46	45	-5	SSE	2	cg	3	bcf	57	43	-		
GERMANY & HOLLAND.	Cuxhaven ...	30.08	47	NNE	2	c	30.36	+29	47	44	+1	N	4	b	#	c	53	46	-	
	Berlin ...	30.07	51	Z	0	r	30.19	+08	41	39	-5	NW	5	0	#	r	57	41	0.20	
	Wiesbaden ...						30.30	+26	52	49	-4	E	2	0	#	#	64	50	-	
	Munich ...	30.20	49	ESE	5	0	30.28	+17	51	48	-3	W	5	0	#	0	59	48	0.20	
	The Belder ...	30.25	47	N	4	f	30.42	+36	48	44	-3	E	1	b	1	f	54	45	-	
	Brussels (P. M.)						30.38	+30	49	46	-4	NE	2	0	#	b	62	45	-	
	Cape Gris Nez	30.18	55	NSW	1	bc	30.29	+25	48	48	-4	E	1	f	1	bc	61	41	-	
	Paris ...	30.24	63	NW	2	c	30.36	+21	52	49	-2	NNE	2	b	#	c	67	49	-	
	Brest ...		57	NW	1	bc	?	?	54	50	+1	ESE	2	b	2	bc	66	41	-	
	Lorient ...	30.25	62	N	3	bc	30.29	+07	54	51	-3	E	4	b	3	bc	68	50	-	
FRANCE AND BELGIUM.	Rochefort ...	30.21	61	NW	4	b	30.23	+02	54	52	-2	E	4	b	#	b	70	52	-	
	Belfort ...																			
	Lyons ...	30.19	66	SE	2	b	30.28	+10	57	50	-4	N	2	b	#	b	75	50	-	
	Nice ...	30.02	57	E	1	b	30.11	-01	59	56	0	ENE	1	b	1	b	66	52	-	
	Perpignan ...	30.13	73	NW	3	b	30.19	00	66	58	+9	Z	0	b	#	b	81	54	-	
	Biarritz ...	30.18	62	NNE	5	b	30.18	-05	59	56	0	SE	2	b	3	b	70	55	-	
	Corunna ..																			
	Lisbon ...	30.08	67	NW	5	b	30.07	-03	67	60	+4	NNE	4	b	#	b	79	61	-	

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> May, 1893

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4;

→ dead calm.

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

— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

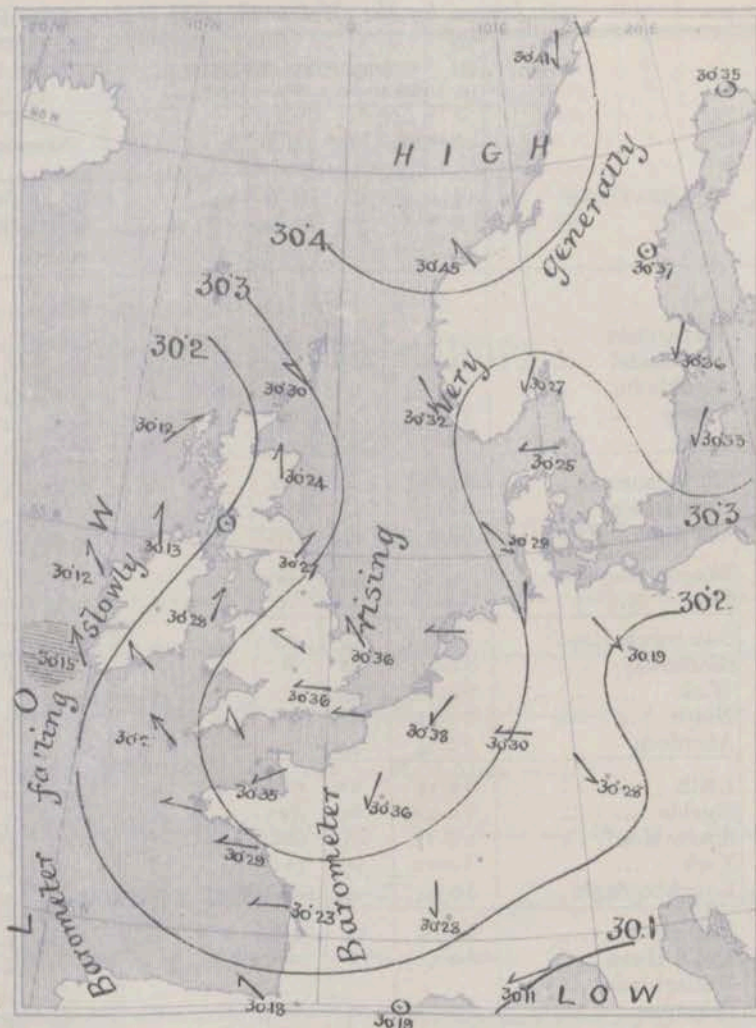
at 8 a.m. for the month of May

During the 20 Years 1871–1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sundburgh Head	29.870
Stornoway	29.880
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.952
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Arbroath	29.935
Mallaigmore	29.929
Dunagaden	29.947
Holyhead	29.956
Liverpool	29.961
Paranstown	29.958
Valencia	29.963
Rocha's Point	29.959
Pembroke	29.961
Sally	29.974
Pravle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Vermouth	29.967



## 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.

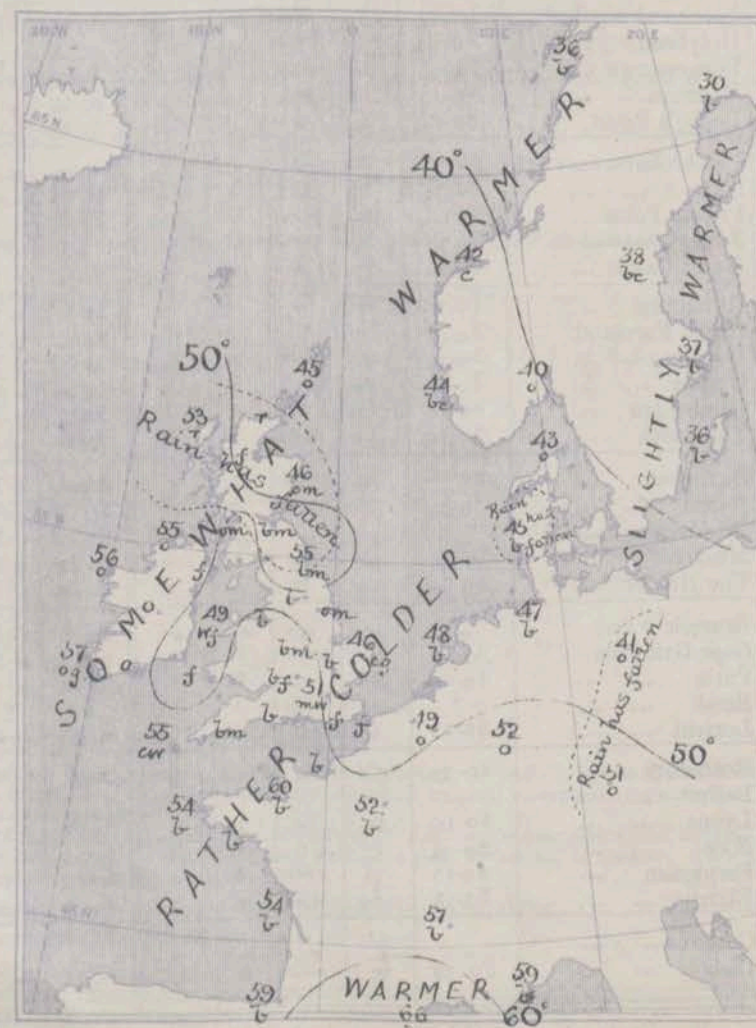
**WEATHER**—is shown by letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sundburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.01
Wick	53.9	40.6	48.1	45.0	1.60
Nairn	56.3	42.2	48.0	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.07
Shields	54.4	42.9	49.0	46.0	1.09
Spurn Head	54.2	45.1	49.3	47.2	1.37
York	59.0	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Arbroath	56.5	43.9	49.5	46.7	2.34
Mallaigmore	56.7	46.5	50.2	47.4	2.42
Dunagaden	56.9	44.2	49.6	47.5	2.26
Holyhead	56.2	40.2	50.5	48.0	1.96
Liverpool	58.0	43.0	50.8	46.9	1.84
Paranstown	50.5	42.7	51.9	47.8	2.24
Valencia	58.1	40.3	52.8	49.7	3.00
Rocha's Point	55.0	46.2	51.7	48.8	3.14
Pembroke	55.0	43.0	49.9	47.7	2.03
Sally	60.3	48.2	52.7	50.3	1.73
Pravle Point	56.6	43.3	51.4	49.4	1.50
Jersey	59.4	47.2	53.6	50.3	1.87
Hurst Castle	58.6	45.7	51.0	49.9	1.77
Dover	57.0	46.7	52.3	49.3	1.70
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.0	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Vermouth	55.4	44.9	50.6	48.1	1.86

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 to 30.3 ins: over Scandinavia, and 30.3 ins and more over England, the North Sea, the Netherlands and north of France.  
Lowest, About 30.1 ins: off our extreme northwestern coasts and also over the Gulf of Genoa.

Gradients slight, and the distribution of pressure mainly anticyclonic.

Barometer rising in the north, steady in the southeast, and inclined to fall a little in the southwest and west.

## TEMPERATURE

Highest, 67° at Lisbon, 66° at Perpignan, 60° at Jersey, 59° at Liverpool, and 57° at Valencia (Ireland).

Lowest, 30° at Naravanda, and 36° to 38° at the Swedish stations generally, 46° at Kiel, Aberdeen, Queen's Head, and Yarmouth.

The maximum recorded yesterday were 66° at many of our inland stations, 67° at Paris, 68° at Oxford, 81° at Perpignan.

## WIND

Light to moderate in force generally; E<sup>s</sup> over the Bay of Biscay and some of our southeastern counties, SE<sup>s</sup> at our western and northern stations — but SSW<sup>s</sup> at Lornoway; mainly NW<sup>s</sup> to N<sup>s</sup> over Scandinavia.

## WEATHER

Very fine over Spain, France, Scandinavia, and the greater part of England, [but foggy or hazy at several of our own stations]; dull over Germany and in Ireland, very rainy in the extreme north of Scotland.

There reports constant rain since midnight, but the amount measured at the other northern stations is small. Berlin and Munich both report 0.2 ins of rain. Halos were seen at some of our southern stations last night.

## SEA

Moderate on our extreme northern coasts and also in the southwest (rather rough at Valencia) slight to very smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of dry weather seems probable over England, but some rain is not unlikely in the southeast of Ireland.

## FORECASTS

For the 24 hours ending at NOON on 5<sup>th</sup> May, 1893.

### DISTRICTS.

### FORECASTS.

0 SCOTLAND  
NORTH

SE<sup>2</sup> and S<sup>2</sup> winds; some rain then fine.

1 SCOTLAND  
EAST

2 ENGLAND  
N.E.

3 ENGLAND  
EAST

4 MIDLAND  
COUNTIES

5 ENGLAND  
SOUTH

SE<sup>2</sup> breezes, light or moderate; fine.

E<sup>2</sup> and SE<sup>2</sup> breezes, light inland; moderate on the coast; fine generally.

### DISTRICTS.

### FORECASTS.

6 SCOTLAND  
WEST

Same as No 0

7 ENGLAND  
N.W.

S<sup>2</sup> airs; fine generally.

8 ENGLAND  
S.W.

9 IRELAND  
NORTH

10 IRELAND  
SOUTH

SE<sup>2</sup> winds, moderate to fresh; fair.

### WARNINGS

None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.		THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.17	50	45	W	4	c	2		Valencia ...	30.17	60	58	S	5	oq	5
Sumburgh Head ...	30.18	48	43	Z	0	bc	1		Scilly ...	30.25	60	56	SSE	3	b	4
Sornoway ...	30.08	47	47	S	4	r	4		Jersey ...	30.28	60	54	W	3	bc	3
Aberdeen ...	30.18	45	44	ENE	2	og	3		Hurst Castle ...	30.21	60	55	WNW	4	bc	2
Shields ...	30.16	48	47	E	2	o	2		Dungeness ...	30.17	56	54	W	3	c	2
Ardrossan ...	30.14	55	53	NE	1	c	0		North Foreland ...	30.17	61	59	S	1	bc	2
Malin Head ...	30.10	58	56	S	2	o	0		London (Westminster) ...	30.18	64	56	NW	2	c	#
Mullaghmore ...									Yarmouth ...	30.14	54	52	NNE	3	bc	3
Belmullet ...	30.14	60	56	S	2	o	#		Rocheport ...	30.22	67	62	NW	3	b	#
Holyhead ...	30.21	56	52	SW	4	bc	3									

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

Weather fine in Wales, the extreme south of England, the Netherlands, France, and the greater part of southern and eastern Europe, as well as in Sweden and Finland. B dull in most other localities, with rain in the east of Scotland and the south-west of Norway, as well as at some of the German stations; snow falling at Moscow. Rain continuing in Scotland during greater part of day, but weather remaining fair and dry in nearly all other parts of Western Europe.

Temperature rising generally, but fallen a little in some parts of Russia, Austria and Italy. Morning readings highest 70° at Sfax, 68° at Barcelona and La Cella and 65° at Aram, above 60° at nearly all the Mediterranean stations and also on the coasts of Spain, above 55° in the southern parts of the United Kingdom. Lowest, 21° at Archangel, 25° at St. Petersburg, 28° at Chabaranda, 29° at Kuopio, and 30° at Uleaborg; below 40° at most of the Scandinavian stations. Rising during day to 65° or more over the central parts of Ireland and England and reaching 69° at Oxford; exceeding 70° over the southern parts of France and rising to 81° at Perpignan.

Wind light from the S.W. or S.E. in Ireland and Scotland, and also on the eastern shores of the North Sea; W or NW over the greater part of England and France. N or NW in Sweden and Finland, W over Poland and the central parts of Russia; variable in Germany, Austria, and Italy; E or NE in Spain and Algeria. No important change occurring over Western Europe during day.

Barometer highest, 30.2 in and upwards over the Bay of Biscay, the northeast of Spain and the western parts of France, 30.1 in and upwards, in an anticyclone covering nearly the whole of Central and Southern Europe, with a considerable portion of England and Ireland and extending northwards in the form of a long band across Sweden and the north of Norway. Lowest 29.9 in and less, in a large shallow depression lying over Northern Russia. No important change occurring later, but barometer rising in most parts of Western Europe.

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

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

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

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

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

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<sup>th</sup> May,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
				Reading at 32° F. and Sea Level.	Dry Bulb.		Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Direc.	Force (0 to 12).		Max.	Min.	
		Inch.	°				Inch.	°	°	°						°	Inch.				
SCANDINAVIA.	Haparanda ...	30.39	30	Z	0	b	30.51	+16	36	34	+6	NE	4	0	#	b	37	10	-		
	Hernösand ...	30.38	39	EHE	2	b	30.54	+17	39	33	+1	N	4	b	#	0	45	27	-		
	Stockholm ...	30.48	37	E	2	0	30.51	+15	41	36	+4	Z	0	0	#	0	43	25	-		
	Wisby ...	30.45	33	EHE	6	b	30.48	+15	37	35	+1	NE	6	b	#	b	39	24	-		
	Bodö ...	30.51	36	WNW	2	c	30.64	+23	41	37	+5	WNW	2	c	1	c	!	32	-		
	Christiansund...	30.55	42	NE	3	b	30.64	+19	41	37	-1	SE	3	b	2	b	46	37	-		
	Skudesnaes ...	30.47	45	WNW	1	b	30.61	+29	44	42	0	S	2	b	1	b	52	41	-		
	Christiania Fjord (Farder)	30.46	44	NHE	3	c	30.57	+30	41	38	+1	N	3	b	1	c	45	39	-		
	Skagen (The Scaw)	30.44	43	NE	2	c	30.55	+30	45	42	+2	NE	1	b	0	c	50	41	0.04		
	Fanö ...	30.40	42	WNW	4	b	30.50	+22	41	40	-4	E	4	b	#	b	52	36	-		
BRITISH ISLANDS.	Sumburgh Head	30.37	45	ESSE	3	0	30.41	+11	47	45	+2	SE	4	0	5	0	48	42	-		
	Stornoway ...	30.19	56	SW	3	0	30.20	+08	51	50	-2	S	4	0	4	c, 0	59	48	0.12		
	Wick ...	30.31	46	SE	4	0	30.33	+14	46	45	0	SE	5	0	2	0	46	44	0.08		
	Nairn ...	30.23	50	E	1	0	30.28	+10	50	50	+1	Z	0	cm	1	0	56	42	-		
	Aberdeen ...	30.31	46	SE	2	cm	30.43	+19	45	44	-1	SESE	4	cmw	4	cm, f	51	44	0.01		
	Leith ...	30.25	59	N	1	bc	30.36	+12	49	48	-2	NHE	1	cm	#	bc	67	45	-		
	Shields ...	30.28	59	SE	2	cm	30.41	+14	46	45	-1	SE	3	0	3	bc, of	63	44	-		
	Spurn Head ...	30.25	62	WNW	1	cm	30.40	+08	49	48	+3	ESE	5	c	4	cm	65	46	-		
	York ...	30.27	69	WNW	1	bm	30.42	+11	51	49	+4	E	2	0	#	b	72	46	-		
	Loughborough	30.28	73	WNW	1	c	30.36	+04	59	54	+4	WNW	1	cmw	#	c	77	49	-		
GERMANY & HOLLAND.	Ardrossan ...	30.24	55	Z	0	0	30.30	+06	54	51	+3	NE	3	cm	1	0	56	48	-		
	Malin Head ...	30.15	59	SE	4	0	30.16	+03	57	55	+2	S	4	0	1	bc, 0	62	53	-		
	Mullaghmore ...	30.12	59	SW	2	r	30.13	+01	58	56	+2	ESE	2	0	#	r	61	53	-		
	Belmullet ...	30.27	50	SW	2	f	30.31	+05	53	50	+3	ESE	3	m	1	f	55	48	-		
	Donaghadee ...	30.27	50	SW	2	f	30.31	+05	53	50	+3	ESE	3	m	1	f	55	48	-		
	Liverpool (Bidston)	30.29	60	WNW	1	b	30.32	+03	62	55	+3	SE	2	b	0	b	69	51	-		
	Holyhead ...	30.27	56	SW	1	0	30.29	+01	62	56	+13	SE	1	b	1	c, 0	63	47	-		
	Parsonstown ...	30.28	59	SW	1	c	30.20	-00	58	55	+4	Z	0	c	#	c	62	52	-		
	Valencia ...	30.14	58	SE	5	cm	30.14	-01	59	57	+2	SE	5	cm	4	cq, cm	63	55	-		
	Roche's Point	30.21	54	SE	4	0	30.24	-01	55	52	+1	SE	4	bc	4	0	58	53	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.27	56	SE	2	c	30.27	-02	57	54	+8	E	4	bc	4	0	59	48	-		
	Scilly ...	30.28	57	ESE	4	bc	30.22	-01	57	55	+2	SE	4	bc	4	abc	61	52	-		
	Prawle Point ...	30.31	55	E	1	b	30.31	-03	60	56	+5	EHE	2	bm	1	b	61	52	-		
	Jersey (St. Aubin's)	30.30	65	NHE	3	b	30.33	-02	64	55	+4	EHE	2	b	2	b	72	54	-		
	Hurst Castle ...	30.34	57	S	2	bm	30.35	+01	59	56	+1	EHE	2	bcm	1	bm	65	48	-		
	Dungeness ...	30.34	58	Z	0	m	30.33	-02	62	55	+13	N	2	m	1	m	62	44	-		
	North Foreland	30.32	54	SE	1	bcm	30.35	-01	55	54	+8	NE	1	b	2	bcm	59	46	-		
	London ...	30.33	68	S	2	bc	30.36	-00	62	55	+11	N	1	b	#	bc, b	74	45	-		
	Oxford ...	30.32	63	S	2	bc	30.36	+02	58	54	+1	Z	0	cf	#	bc	75	46	-		
	Cambridge ...	30.30	58	SE	1	0	30.37	+01	58	54	+10	WNW	1	b	#	0	76	47	-		
PENINSULA.	Yarmouth ...	30.32	51	SE	4	c	30.40	+04	49	47	+3	E	5	b	4	c	52	45	-		
	Cuxhaven ...	30.39	45	WNW	4	c	30.46	+10	43	42	-4	NE	3	bc	#	c	49	43	-		
	Berlin ...	30.36	46	SE	2	c	30.41	+22	43	38	+2	E	2	b	#	c	52	41	0.04		
	Wiesbaden ...	30.38	45	SE	6	bc	30.33	+03	50	45	-2	E	2	0	#	#	63	46	-		
	Munich ...	30.38	45	NE	6	bc	30.32	+04	43	39	-8	SW	4	0	#	bc	57	37	-		
	The Helder ...	30.44	50	E	1	c	30.51	+09	47	43	-1	EHE	4	b	3	c	54	45	-		
	Brussels (9 a.m.)	30.30	56	?	1	bc	30.38	-00	50	46	+1	EHE	4	0	#	b	63	48	-		
	Cape Gris Nez	30.30	56	?	1	bc	30.29	-00	55	53	+7	SW	1	b	0	bc	63	46	-		
	Paris ...	30.32	66	E	2	b	30.35	-01	52	48	+0	N	1	b	#	b	72	43	-		
	Brest ...	30.32	65	E	1	b	30.35	-01	52	48	+0	N	1	b	#	b	72	43	-		
FRANCE AND BELGIUM.	Lorient ...	30.24	70	W	1	b	30.25	-04	56	52	+2	E	4	b	5	b	75	54	-		
	Rochefort ...	30.17	84	ESE	3	b	30.15	-08	58	53	+4	ESE	4	b	#	b	90	52	-		
	Belfort ...	30.23	67	W	2	b	30.25	-03	55	48	-2	N	1	0	#	b	73	50	-		
	Lyons ...	30.08	65	2	0	bc	30.05	-06	67	55	+8	Z	0	b	#	bc	73	57	-		
	Nice ...	30.12	71	SE	2	b	30.13	-06	66	57	+0	SW	2	b	#	b	78	50	-		
	Perpignan ...	30.12	71	SE	2	b	30.13	-06	66	57	+0	SW	2	b	#	b	78	50	-		
	Biarritz ...	30.13	68	NE	2	b	30.10	-08	62	58	+3	Z	0	b	3	b	77	57	-		
	Corunna ...	30.06	68	SE	1	b	30.05	-02	62	61	-5	NHE	3	bc	#	#	79	61	-		
	Lisbon ...	30.06	68	SE	1	b	30.05	-02	62	61	-5	NHE	3	bc	#	#	79	61	-		

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 5 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

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

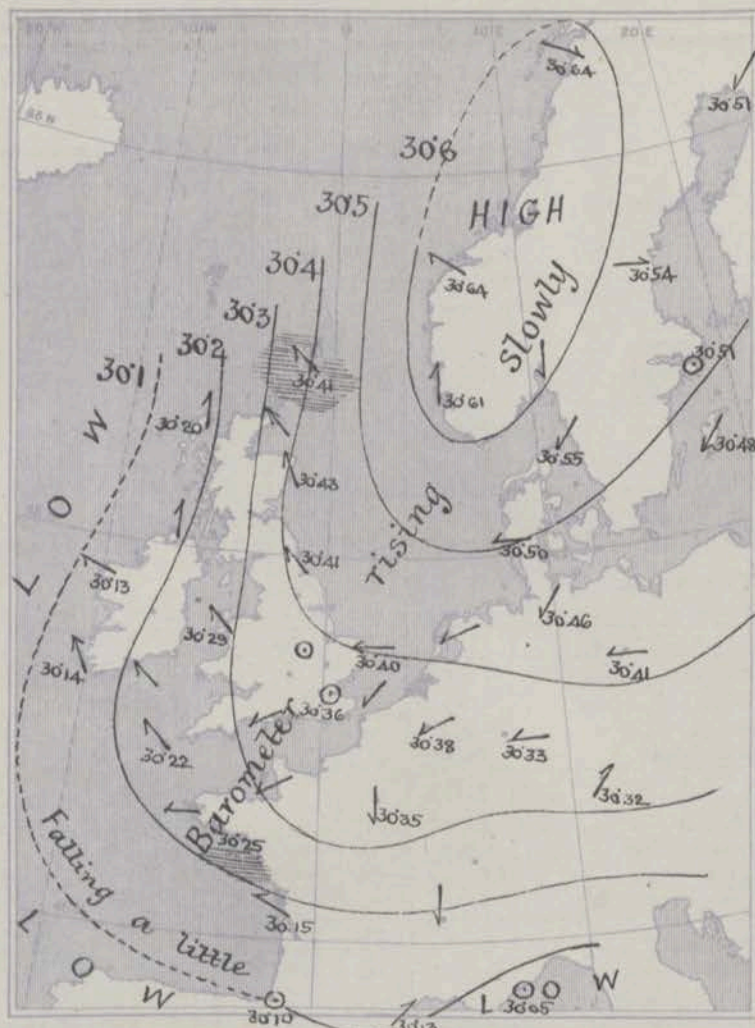
— = Rough. — = High.

## MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stornoway	29.880
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Ardrossan	29.985
Mullaghmore	29.920
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsanstown	29.958
Valencia	29.963
Roche's Point	29.950
Pembroke	29.961
Sally	29.974
Prawle Point	29.992
Jersey	29.980
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

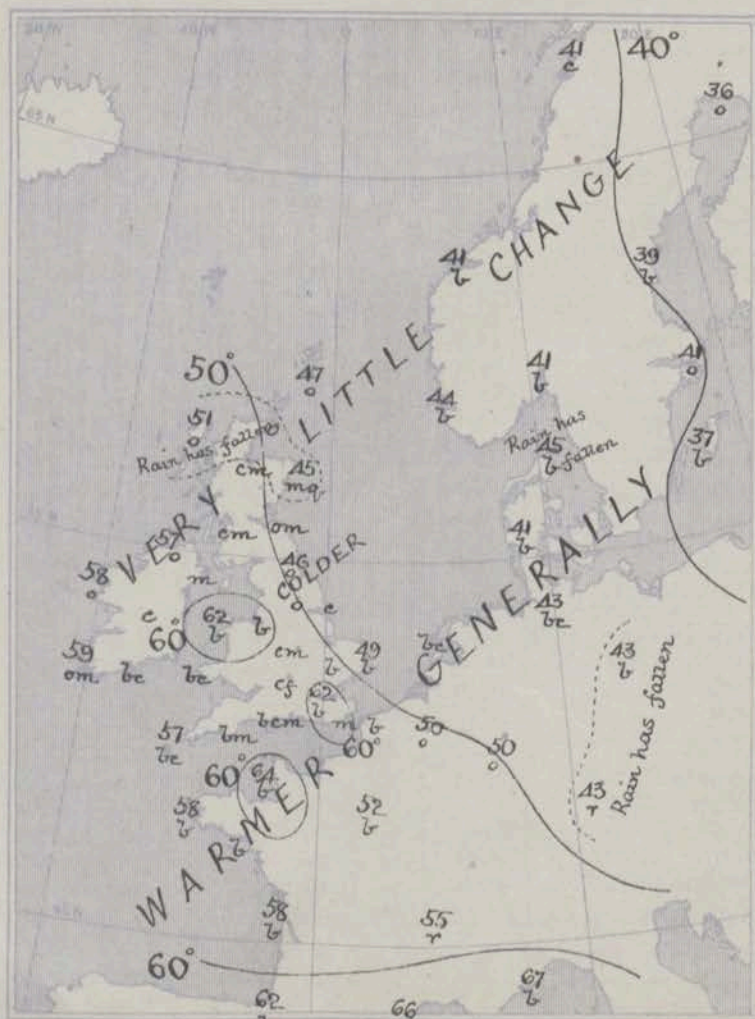
**WEATHER** is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	53.0	40.6	48.1	45.6	1.69
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.09
Leith	57.8	42.4	50.1	46.7	1.07
Shields	54.4	42.9	49.0	46.0	1.09
Spurn Head	54.3	43.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.00
Ardrossan	56.5	43.3	49.5	46.7	2.34
Mullaghmore	56.7	43.3	50.2	47.4	2.42
Donaghadee	59.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	48.9	1.84
Parsanstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Sally	56.3	48.2	52.7	50.3	1.73
Prawle Point	50.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.6	43.4	50.6	47.5	1.85
Cambridge	62.0	42.6	51.7	48.5	1.90
Yarmouth	55.4	44.0	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.6 in. and more in an anticyclone covering the whole of Northwestern Europe, and having its central area over Scandinavia.  
Lowest, rather below 30.1 in. over the Gulf of Genoa, and the Iberian Peninsula.

Gradients moderate (for S<sup>2</sup> winds) over Scotland and the west of Ireland, slight for E<sup>2</sup> and SE<sup>2</sup> winds over England and France.

Barometer still rising over Scandinavia and the North Sea, falling a little over Spain and the Bay of Biscay.

## TEMPERATURE

Highest, 66° to 67° in the south of France, 64° at Jersey, 62° at Luton, in London, and at Holbehead and Liverpool.

Lowest, 36° at Haparanda, 37° at Västby, 45° at Aberdeen, 46° at Shields.

The maxima recorded yesterday were as high as 72° to 77° over the inland parts of England and France, 75° at Perpignan, 90° at Rochefort.

## WIND

Moderate E<sup>2</sup> over the Bay of Biscay, SE<sup>2</sup> on our southwest coasts and in the east of Scotland, S<sup>2</sup> on our extreme northwest coasts. Very variable airs are reported over the midland and southeastern parts of England.

## WEATHER

Very fine at the Continental stations and in the south and west of England, cloudy elsewhere.

Fog or haze is reported at many of the English stations—mainly in the south.

Slight further falls of rain have occurred at our most northern stations and at Helms.

## SEA

Moderate to rather rough both at our southwestern stations and in the far north, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any decided change of weather.

## FORECASTS

For the 24 hours ending at NOON on 6<sup>th</sup> May, 1893.

### 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, fresh; a few showers.  
S<sup>2</sup> and SE<sup>2</sup> winds, moderate; fair.  
E<sup>2</sup> and Varying light breezes; fine generally, warm, hazy at times.

### DISTRICTS.

### FORECASTS.

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

SE<sup>2</sup> and Variable airs; fine.

SE<sup>2</sup> winds, moderate or fresh; fine.

### WARNINGS

None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	P.	WEA.	SEA.		BAR.		THER.		WIND. Dirac.	P.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.38	52	43	NEW	3	b	2		Valencia ...	30.13	60	58	SS E	6	cq	6
Sumburgh Head ...	30.35	46	43	ESE	3	o	2		Scilly ...	30.24	60	56	ESE	4	c	4
Stornoway ...	30.19	58	56	SW	4	c	4		Jersey ...	30.33	68	57	E	2	b	2
Aberdeen ...	30.23	50	48	E	2	c	3		Hurst Castle ...	30.35	62	58	SSW	3	b-m	1
Shields ...	30.27	61	54	E	3	bc	2		Dungeness ...	30.35	58	54	E	3	m	2
Ardroesan ...	30.27	54	52	SSW	1	c	1		North Foreland ...	30.36	55	54	SS E	2	bc	2
Malin Head ...	30.17	60	52	SSW	3	bc	1		London (Westminster) ...	30.33	72	60	SS E	2	bc	*
Mullaghmore ...									Yarmouth ...	30.35	51	49	SS E	4	c	3
Belmullet ...	30.14	60	55	SW	2	o	*		Rochefort ...	30.22	82	67	E	3	b	*
Holyhead ...	30.30	56	53	SSW	1	c	1									

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

Weather fine over the greater part of England, France, and southern Europe, as well as in Scandinavia, Denmark, and Finland. Dull in the west and north of our Islands, with fog in several places, and with rain in the north of Scotland; dull also in Germany, Austria and the western and central parts of Russia, with rain at Cracow and Buda Pesth, and with snow at Riga. No important change occurring over Western Europe during day.

Temperature fallen in most countries, but risen in Scotland, Scandinavia, and the west of Ireland, as well as in Spain. Morning readings highest 71° at Ispah, 69° at Barcelona, 67° at Lisbon, and 66° at Banguinane and Windini; above 60° at most of the Mediterranean stations and just touching that point in the Channel Islands. Lowest 23° at Archangel and Uleaborg, 25° at St Petersburg, 28° at Kiovia, and 30° at Hapavanda, below 40° at most stations in Russia and Scandinavia. Rising during day to between 72° and 77° over the inland part of England and the greater part of France, but not exceeding 69° at Lisbon.

Wind SE<sup>3</sup> or S<sup>3</sup> over the United Kingdom, light or moderate in force generally, but fresh or strong on our extreme southwest coasts. Variable over the northern parts of Scandinavia, light from the NW<sup>2</sup> over the northern parts of Russia, and moderate from the same quarter or from N. over Denmark, Germany, and the south of Scandinavia. Light and variable in Italy, E<sup>3</sup> or NE<sup>3</sup> in France, Spain, and Algeria. No important change occurring during day.

Barometer highest 30.4 ins. and upwards in the west of Norway; 30.1 ins. and upwards, in an anticyclone covering all but the southeastern parts of Europe. Lowest 30.0 ins. and less, in two small shallow depressions, — one lying over Poland, and the other over the southern part of the Adriatic. No important change occurring 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 Saturday, 6<sup>th</sup> May, 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.			BAROMETER.		GRADE TEMP.			WIND.					SHADE TEMP.			
	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.	Amount of Rainfall.
	Inch.	°				Inch.		°	°										Inch.
SCANDINAVIA.	Haparanda ...	30.40	34	Z	0	b	30.54	+0.3	39	35	+3	Z	0	b	#	b	41	21	
	Hernösand ...	30.65	35	NE	2	b	?	?	38	33	-1	Z	0	b	#	b	46	28	
	Stockholm ...	30.58	34	NE	2	b	30.58	+0.7	41	33	0	NE	6	0	#	b	46	25	
	Wisby ...	30.49	35	NE	4	b	30.43	-0.5	36	34	-1	NE	6	S	#	b	43	30	
	Bodö ...	30.38	37	N	1	b	30.44	-2.0	42	38	+1	E	4	b	2	b	43	34	
	Christiansund...	30.66	44	Z	0	b	30.63	-0.1	44	41	+3	ESE	4	b	2	b	48	41	
	Skudesnaes ...	30.58	44	NW	4	b	30.62	+0.1	46	41	+2	ESE	2	b	1	b	54	41	
	Christiania Fjord (Farder)	30.54	45	N	4	b	30.69	+1.2	39	36	-2	NNE	5	c	2	b	48	39	
	Skagen (The Scaw)	30.56	44	NNE	1	b	30.67	+1.2	43	41	-2	E	3	b	1	b	52	41	
	Fanö ...	30.44	43	NNE	2	b	30.54	+0.4	42	39	+1	NE	4	b	#	b	55	36	
BRITISH ISLANDS	Sumburgh Head	30.42	47	SE	4	o	30.43	+0.2	48	46	+1	SE	3	bc	4	o	49	45	
	Stornoway ...	30.24	60	SW	4	o	30.25	+0.5	57	54	+6	Z	0	m	2	o	62	45	
	Wick ...	30.35	47	SSE	5	o	30.33	0.0	48	46	+2	S	5	bc	3	o	48	44	
	Nairn ...	30.29	68	SW	1	bc	30.31	+0.3	55	52	+5	E	1	b	1	bc	72	42	
	Aberdeen ...	30.45	46	SSE	3	c	30.43	0.0	46	44	+1	S	3	c	4	ugq.c	47	43	
	Leith ...	30.36	51	N	3	bc	30.40	+0.4	46	45	-3	Z	0	o	#	bc	58	44	
	Shields ...	30.43	46	ESE	5	c	30.44	+0.3	49	46	+3	SE	4	bm	4	c	50	41	
	Spurn Head ...	30.44	48	ESE	5	bc	30.46	+0.6	50	49	+1	ESE	4	bc	4	bc	51	46	
	York ...	30.44	57	ESE	2	b	30.48	+0.6	50	47	-1	SSE	2	bc	#	b	68	40	
	Loughborough	30.37	66	ESE	4	b	30.46	+1.0	50	47	-9	ESE	2	b	#	b	73	39	
GERMANY & HOLLAND	Ardrossan ...	30.30	63	Z	0	bc	30.34	+0.4	53	51	-1	NE	3	bc	1	cm	67	47	
	Malin Head ...	30.20	61	E	3	c	30.17	+0.1	58	56	+1	SSE	6	om	1	o.c	66	55	
	Mullaghmore ...																		
	Belmullet ...	30.13	65	SE	2	c	30.11	-0.2	58	53	0	E	4	o	#	c	66	51	
	Donaghadee ...	30.30	57	SW	2	c	30.34	+0.3	52	49	-1	SSE	4	m	2	c	59	51	
	Liverpool (Bidston)	30.31	68	ESE	3	bc	30.38	+0.6	52	48	-10	SE	4	b	3	bc	75	44	
	Holyhead ...	30.29	63	Z	0	bc	30.31	+0.2	54	56	+2	Z	0	bw	0	c, bc	72	52	
	Parsonstown ...	30.19	68	SE	2	c	30.20	0.0	56	53	-2	SE	1	og	#	c	73	53	
	Valencia ...	30.13	68	ESE	6	cm	30.08	-0.6	63	59	+4	SE	6	om	5	c	70	57	
	Roche's Point	30.21	57	SE	4	c	30.19	-0.5	55	53	0	SE	5	cm	4	c	60	54	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.25	60	E	3	c	30.28	+0.1	53	50	-4	E	5	bc	4	b.c	63	51	
	Scilly ...	30.21	58	E	4	bc	30.19	-0.3	57	54	0	E	5	om	4	b, bc	62	53	
	Prawle Point ...	30.29	59	ESE	5	bc	30.32	+0.1	55	50	-5	ESE	5	bm	4	bc	61	50	
	Jersey (St. Aubin's)	30.26	67	E	5	b	30.31	-0.2	60	51	-4	E	4	bm	3	b	75	51	
	Hurst Castle ...	30.34	65	ESE	2	b	30.38	+0.3	58	52	-1	E	3	bm	1	bc, b	71	50	
	Dungeness ...	30.36	54	E	5	bc	30.42	+0.9	56	51	-6	E	5	b	4	bc	64	48	
	North Foreland	30.40	50	E	4	b	30.42	+0.7	54	51	-1	E	2	bw	3	b	55	48	
	London ...	30.40	55	E	3	bc	30.42	+0.6	56	50	-6	E	2	b	#	cm, bc, b	72	43	
	Oxford ...	30.40	55	ESE	2	b	30.42	+0.6	54	49	-4	E	1	b	#	b	77	39	
	Cambridge ...	30.43	60	ESE	3	b	30.46	+0.9	51	48	-7	ESE	1	b	#	b	72	34	
PENINSULA.	Yarmouth ...	30.47	49	E	4	b	30.48	+0.5	50	48	+1	E	4	b	3	b	52	45	
	Cuxhaven ...	30.39	47	NE	3	c	30.53	+0.7	45	44	+2	NNE	4	b	#	c	53	43	
	Berlin ...	30.45	42	N	4	o	30.37	-0.4	41	37	-2	NW	5	c	#	o	52	36	
	Wiesbaden ...						30.41	+0.8	47	43	-3	NE	4	b	#	#	59	43	
	Munich ...	30.36	41	SE	4	c	30.34	+0.2	39	35	-4	NNE	1	bc	#	c	50	32	0.04
	The Helder ...	30.54	50	ESE	5	b	30.56	+0.5	50	46	+3	ESE	3	b	3	b	52	46	
	Brussels (9 a.m.)						30.45	+0.7	51	44	+1	E	1	b	#	b	62	37	
	Cape Gris Nez	30.82	53	NSW	2	b	30.37	+0.8	52	46	-3	ESE	1	bc	2	b	61	41	
	Paris ...	30.27	67	NNE	3	b	30.38	+0.3	50	43	-2	ESE	2	b	#	b	75	40	
	Brest ...		71	NNE	1	b	?	?	59	54	+1	ESE	3	b	3	b	79	45	
FRANCE AND BELGIUM.	Lorient ...	30.17	76	ESE	4	b	30.20	-0.5	57	51	+1	E	5	b	5	b	81	55	
	Rochefort ...	30.10	76	E	5	b	30.14	-0.1	56	53	-2	ESE	5	b	#	b	91	50	
	Belfort ...		62	E	2	bc	?	?	53	46	-2	E	4	bc	#	bc	71	37	
	Lyons ...	30.15	65	N	4	b	30.21	-0.4	49	41	-6	NW	3	b	#	b	75	45	
	Nice ...	29.91	62	Z	0	b	30.01	-0.4	57	48	-10	E	4	bc	5	b	73	55	
	Perpignan ...	29.99	77	SW	2	b	30.08	-0.5	64	56	-2	E	2	b	#	b	?	52	
	Biarritz ...	30.03	69	NE	3	b	30.03	-0.7	60	53	-2	ESE	4	b	3	b	73	55	
	Corunna ...						29.96	-0.3	66	63	-1	NSW	4	o	2	#	56	52	
	Lisbon ...	30.02	66	NW	3	b	30.01	-0.4	65	62	+3	NNE	3	bc	#	b	79	59	

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

**BAROMETER**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**WIND**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—  
 — forces above 10; — forces 8 to 10;  
 — forces 6 to 7; — forces 1 to 4.  
 ○ = dead calm.

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

— Rough. — High.

### MEAN HEIGHT OF THE BAROMETER

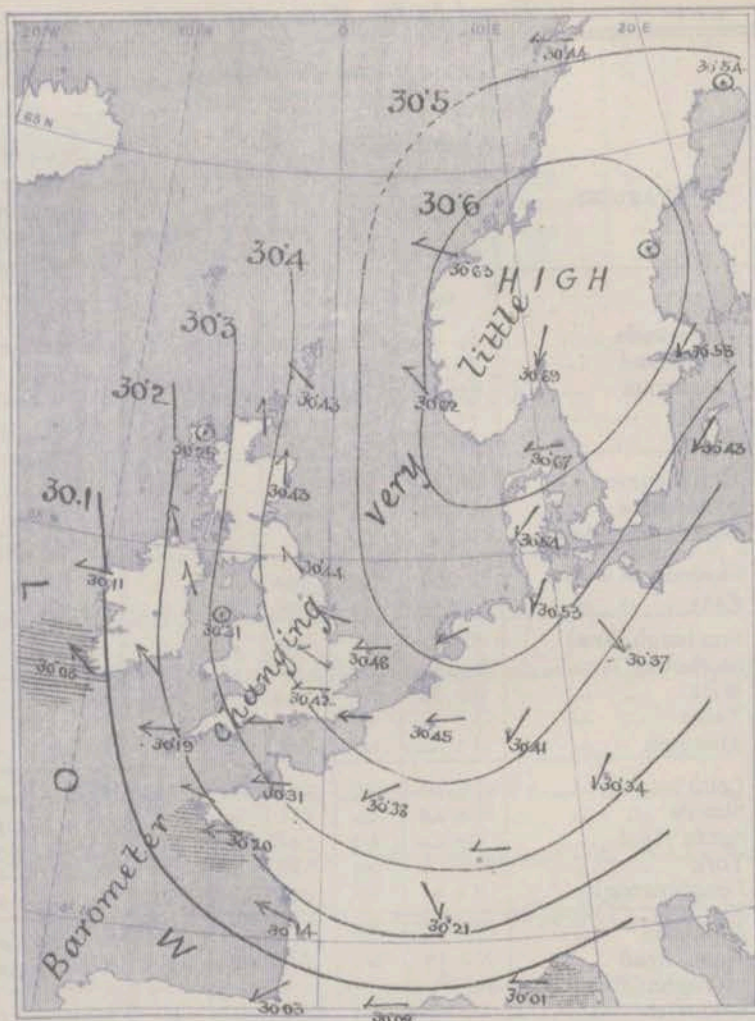
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stormway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.922
Shields	29.943
Spurn Head	29.950
York	29.962
Loughborough	29.973
Androssan	29.985
Mullaghmore	29.929
Donaghadee	29.947
Holyhead	29.950
Liverpool	29.961
Parsonstown	29.968
Valencia	29.963
Rocha's Point	29.959
Pembroke	29.961
Selly	29.974
Praske Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Vermouth	29.967



## 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.

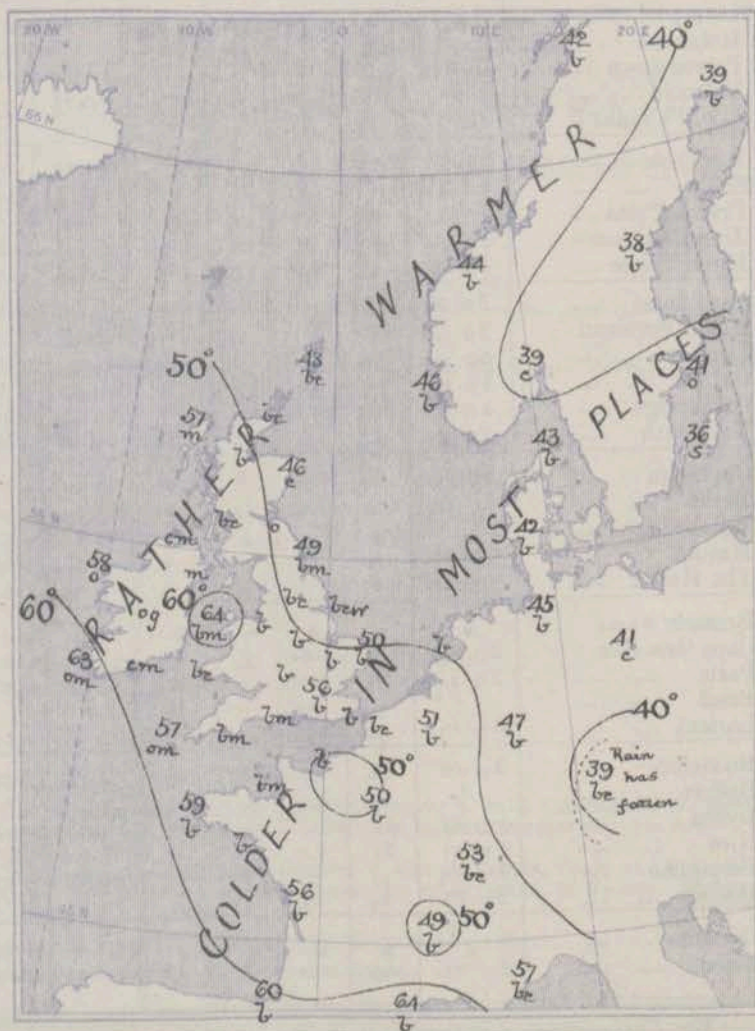
**WEATHER**—is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stormway	53.3	41.1	48.6	46.4	2.41
Wick	53.9	40.6	48.1	45.8	1.69
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Androssan	56.5	43.9	49.3	46.7	2.31
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.9	44.2	49.6	47.3	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.29
Rocha's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Selly	56.3	48.2	52.7	50.3	1.73
Praske Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Vermouth	55.4	44.9	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.6 ins: and more to 30.4 ins: in an anticyclone which still lies over Northwestern Europe, and has its central area over Scandinavia.  
 Lowest, about 30.0 ins: over the Gulf of Genoa, Spain, and the extreme southwest of Ireland.  
 Gradients moderate for E<sup>4</sup> to S<sup>2</sup> winds.  
 Barometer changing very little indeed.

## TEMPERATURE

Highest, 60° to 65° on the coast of the Peninsula, 63° at Valencia (Ireland), 55° to 58° along our south coast.  
 Lowest, 36° at Wick, 38° to 41° on the Swedish coast generally.  
 The maximum readings yesterday ranged between 70° and 77° over England and Ireland; 81° was recorded at Lorient, and 91° at Rochefort.

## WIND

Fresh from E. over France, the Channel, and Bay of Biscay, strong from SE. on the Irish coast.  
 Moderate to fresh from S. in the east and northeast of Scotland; fresh NE<sup>2</sup> over the Baltic.  
 It blew with the force of a moderate gale at Valencia yesterday afternoon.

## WEATHER

Dull at our extreme western stations, fine and bright on all our other coasts and at most of the Continental stations.  
 In the south of Sweden, however, the sky is overcast, and snow is falling.  
 Munich is the only station reporting a measurement of rainfall.

## SEA

Moderate to rather rough on exposed parts of nearly all our coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of decided change.

## FORECASTS

For the 24 hours ending at NOON on 7<sup>th</sup> May, 1893.

### 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><sub>N</sub> breezes, moderate; fair.  
 SE<sup>2</sup><sub>E</sub> breezes, moderate; fair.  
 Same as No 5  
 Same as No 2.  
 E<sup>2</sup><sub>E</sub> breezes, moderate; fine.

### DISTRICTS.

### FORECASTS.

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

S<sup>2</sup><sub>E</sub> and SE<sup>2</sup><sub>E</sub> breezes, moderate or light; fine.  
 E<sup>2</sup><sub>E</sub> breezes, fresh; fine.  
 SE<sup>2</sup><sub>E</sub> breezes, fresh; fine.

### WARNINGS

None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.		THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.61	53	44	W	4	b	1		Valencia ...	30.14	68	61	SSE	7	c	6
Sumburgh Head ...	30.43	48	47	SE	4	o	5		Scilly ...	30.22	61	56	SE	4	b	4
Sornoway ...	30.22	58	55	S	2	o	3		Jersey ...	30.29	74	63	E	3	b	3
Aberdeen ...	30.45	46	44	SSE	4	o q q	4		Hurst Castle ...	30.32	70	60	SW	2	b m	1
Shields ...	30.44	49	47	ESE	4	c	4		Dungeness ...	30.36	56	52	ESE	6	b	5
Ardrossan ...	30.30	67	60	W	0	c	0		North Foreland ...	30.39	53	50	E	5	b	5
Malin Head ...	30.15	65	60	SSE	6	o	2		London (Westminster) ...	30.39	61	53	ESE	3	b m	*
Mullaghmore ...									Yarmouth ...	30.46	51	49	E	4	b	4
Belmullet ...	30.14	66	60	S	2	c	*		Rochefort ...	30.13	86	68	ESE	5	b	*
Holyhead ...	30.30	69	59	SSW	2	c	1									

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

Weather fine and bright over the greater part of England and the Continent, dull in many parts of Ireland and Scotland, as well as in south Germany, Poland, and Austria, rainy at Munich and Lemberg. Sky clearing later at some of the Irish and Scotch stations; no important change occurring elsewhere.

Temperature fallen in many parts of Germany and Austria, as well as in the south of Spain, risen in most other localities. Morning readings highest 70° at Barcelona, 69° at Genoa and Legh, 68° at Rimini, and 67° at Olan and Algiers, above 60° at most of the Mediterranean and Spanish stations, as well as in the extreme south and southeast of England. Lowest 14° at Archangel, 30° at Uleaborg and Kuopio, 33° at St. Petersburg, and 34° at Breslau and Warsaw, below 40° in many parts of Sweden and Russia. Rising during day to 70° and more over France and nearly all the inland parts of the United Kingdom, the highest readings of all being 81° at Lorient, 79° at Brest, and 77° at Oxford. Successive night cold over England.

Wind light to moderate from the E<sup>ad</sup> or NE<sup>ad</sup> over Denmark, North Germany, the Netherlands, France, Spain, and the extreme south of England; SE<sup>3</sup> or S<sup>3</sup> in the western and northern parts of the United Kingdom. Calm or variable over the northern parts of Sweden and Russia, N<sup>3</sup> or NW<sup>3</sup> over Poland, Austria, and Italy; N<sup>3</sup> or NE<sup>3</sup> in Algeria. No important change occurring over Western Europe during day.

Barometer highest 30.6 ins. and upwards in Norway; 30.1 ins. and upwards in an anticyclone covering all but the extreme southeastern and southwestern parts of Europe. Lowest 30.0 ins. and less, in a large shallow area lying over Turkey, the Balkan Provinces, and the south of Russia, and also in a smaller system lying off the northwest of Spain. No decided change occurring 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.

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 7<sup>th</sup> May,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Shade Temp.		Amount of Rainfall.			
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.	Min.							
Ina.	°			Ina.	°	°	°	°				°	Ina.							
SCANDINAVIA.	Haparanda ...	30.91	32	Z	0	b	30.90	-0.3	35	33	-	4	Z	0	b	#	b	46	21	-
	Hernösand ...	30.89	40	Z	0	b	30.95	+0.9	41	36	+	2	Z	0	b	#	b	52	27	-
	Stockholm ...	30.67	41	NE	8	o	30.76	+1.8	45	39	+	4	NE	6	b	#	o	45	25	-
	Wisby ...	30.47	39	NE	6	bc	30.60	+1.7	51	46	+	15	E	4	b	#	bc	41	32	-
	Bodö ...	30.79	41	E	1	b	30.82	-0.2	44	36	+	2	E	2	b	#	b	45	34	-
	Christiansund...	30.71	48	ESE	2	b	30.78	+1.5	47	40	+	3	ESE	2	b	2	b	54	41	-
	Skudesnaes ...	30.69	44	Z	0	b	30.67	+0.5	57	43	+	5	ENE	2	b	1	bc	?	39	-
	Christiania Fjord (Fjærd)	30.64	47	NNE	6	c	30.72	+0.8	44	40	+	5	SE	6	c	2	c	47	39	-
	Skagen (The Scaw)	30.62	44	ENE	4	o	30.60	-0.7	46	43	+	3	ENE	5	bc	3	o	50	43	-
	Fanö ...	30.47	41	NE	4	b	30.40	-1.4	47	44	+	5	ENE	5	c	#	b	59	41	-
BRITISH ISLANDS.	Sumburgh Head	30.43	47	SE	3	bc	30.54	+1.1	49	44	+	1	SE	4	b	5	bc	52	46	-
	Stornoway ...	30.22	62	Z	0	m	30.29	+0.4	54	51	-	3	S	2	m	3	bc m	65	45	-
	Wick ...	30.32	48	SSE	6	o	30.44	+1.1	48	46	-	0	SSE	7	b	5	o	52	44	-
	Nairn ...	30.25	50	Z	0	bc	30.37	+0.6	58	55	+	3	SSW	1	b	0	bc	61	43	-
	Aberdeen ...	30.43	46	SSE	3	bc	30.55	+1.2	47	43	+	1	SSE	4	bc	4	bc	49	43	-
	Leith ...	30.34	50	NNE	1	bc	30.47	+1.07	51	45	+	5	ESE	2	b	#	bc	55	40	-
	Shields ...	30.39	49	SE	4	m	30.50	+1.06	47	44	-	2	E	4	bc	4	bc m	52	41	-
	Spurn Head ...	30.40	49	ESE	5	c	30.46	0.0	45	47	-	2	ENE	4	bc	4	c	52	44	-
	York ...	30.41	55	ESE	3	bc	30.48	0.0	49	43	-	1	ENE	2	b	#	bc	66	44	-
	Loughborough	30.35	65	ESE	3	bc	30.44	-0.2	50	44	-	0	E	3	b	#	bc	71	23	-
GERMANY & HOLLAND.	Ardrossan ...	30.29	59	WNW	1	om	30.39	+0.5	53	45	-	0	E	3	bm	2	om	65	43	-
	Malin Head ...	30.18	61	SSE	6	bm	30.22	+0.5	54	52	-	4	SSE	6	om	2	bm	64	51	-
	Mullaghmore ...	30.09	65	ESE	4	c	30.21	+1.0	56	49	-	2	E	5	o	#	ac	66	48	-
	Belmullet ...	30.30	54	SSE	2	bc	30.37	+0.3	50	46	-	2	SE	6	bc	4	bc	50	50	-
	Donaghadee ...	30.30	54	SSE	2	bc	30.37	+0.3	50	46	-	2	SE	6	bc	4	bc	50	50	-
	Liverpool (Bldston)	30.30	63	ESE	3	c	30.41	+0.3	51	44	-	1	ESE	4	b	2	c	65	44	-
	Holyhead ...	30.26	58	Z	0	bc	30.32	+0.1	55	49	-	9	E	2	bc	1	bc	66	47	-
	Parsonstown ...	30.18	62	SE	1	c	30.22	+0.2	56	51	-	0	SE	2	b	#	c	67	49	-
	Valencia ...	30.04	63	ESE	6	c	30.08	0.0	60	55	-	3	SE	6	bc m	5	cm, c	67	58	-
	Roche's Point	30.16	58	ESE	5	b	30.23	+0.4	55	52	-	0	SE	5	b	4	b	60	51	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.24	57	E	5	bc	30.27	-0.1	58	56	+	5	E	6	b	5	bc	60	48	-
	Scilly ...	30.14	56	E	6	om	30.18	-0.1	56	52	-	1	E	6	c	4	cm	59	51	-
	Prawle Point ...	30.26	52	FNE	6	b	30.30	-0.2	51	48	-	4	ENE	6	b	5	b	58	47	-
	Jersey (St. Aubin's)	30.24	62	E	5	b	30.27	-0.4	56	47	-	4	E	5	bm	4	b	69	46	-
	Hurst Castle ...	30.33	60	E	3	bm	30.36	-0.2	52	48	-	6	ESE	4	b	1	bm	63	48	-
	Dungeness ...	30.36	53	ENE	4	b	30.34	-0.8	50	50	-	6	E	5	c	4	b	59	46	-
	North Foreland	30.38	50	E	5	bc	30.36	-0.6	48	44	-	6	NE	4	bc	4	bc	54	45	-
	London ...	30.40	55	E	3	bc	30.40	-0.2	52	44	-	4	E	3	b	#	bc	67	41	-
	Oxford ...	30.38	53	ESE	2	b	30.41	-0.1	50	44	-	4	ENE	2	b	#	b	68	37	-
	Cambridge ...	30.41	61	ENE	3	o	30.43	-0.3	49	43	-	2	NNE	3	b	#	o	71	33	-
PENINSULA.	Yarmouth ...	30.45	50	E	4	b	30.41	-0.7	47	42	-	3	NE	6	bc	4	b	53	43	-
	Cuxhaven ...	30.47	45	NE	5	o	30.28	-2.5	45	44	-	0	NE	7	o	#	o	50	44	-
	Berlin ...	30.62	39	NNW	6	r	30.06	-31	39	28	-	2	E	5	r	#	r	48	37	0.12
	Wiesbaden ...	#	#	#	#	#	30.15	-26	43	40	-	4	N	5	r	#	#	59	41	-
	Munich ...	30.27	40	SW	2	c	30.07	-27	35	32	-	4	NNW	4	r	#	c	45	34	0.04
	The Helder ...	30.50	48	NE	5	b	30.37	-19	45	43	-	5	NNE	6	c	4	b	52	43	-
	Brussels (9 a.m.)	#	#	#	#	#	30.31	-14	45	39	-	6	NE	4	c	#	b	61	34	-
	Cape Gris Nez	30.32	52	ENE	4	b	30.29	-0.8	48	46	-	4	ENE	4	b	4	b	61	46	-
	Paris ...	30.28	61	NE	3	b	30.28	-10	45	38	-	5	NE	3	b	#	b	67	39	-
	Brest ...	?	71	NNE	2	bc	?	?	55	47	-	4	SE	3	b	3	bc	75	45	-
FRANCE AND BELGIUM.	Lorient ...	30.13	68	ESE	5	c	30.16	-0.4	52	45	-	5	E	5	bc	4	c	77	50	-
	Rochefort ...	30.07	70	ESE	4	b	30.08	-0.6	52	45	-	4	ESE	5	b	#	b	84	48	-
	Belfort ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
	Lyons ...	30.16	56	N	4	b	30.14	-0.7	46	36	-	3	N	2	b	#	b	68	40	-
	Nice ...	30.01	52	SW	1	o	29.97	-0.4	53	48	-	4	W	1	b	0	o	63	48	-
	Perpignan ...	29.99	68	SE	1	b	30.04	-0.4	57	47	-	7	NE	2	bc	#	b	74	46	-
	Biarritz ...	29.97	70	WNW	2	b	29.96	-0.7	50	46	-	4	E	4	b	2	b	77	52	-
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
	Lisbon ...	29.96	63	NNW	4	b	29.86	-15	67	63	+	2	ESE	2	b	#	b	77	59	-

For Explanation of Columns, see bottom of last page.

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

In Saturday's report the morning readings of the barometer at Haparanda, Hernösand and Bodö should have been respectively 30.93, 30.86, 30.84.



# WEATHER CHARTS

for 8 a.m. on Sunday, 7<sup>th</sup> May 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

☉ = dead calm.

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

— = Rough. — = High.

## MEAN HEIGHT OF THE BAROMETER

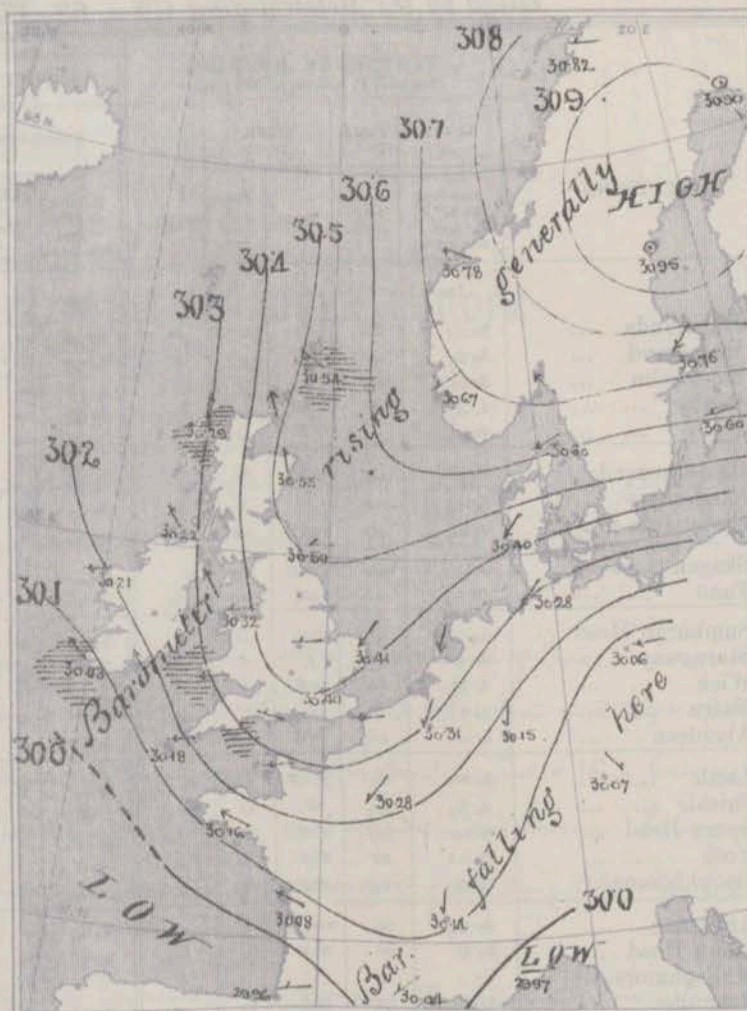
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Arbroath	29.935
Mullaghmore	29.929
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.959
Pembroke	29.961
Sally	29.974
Prawle Point	29.992
Jersey	29.980
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.41
Wick	53.9	40.0	48.1	45.6	1.09
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	53.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.60
Spurn Head	54.3	45.1	49.3	47.2	1.07
York	59.0	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Arbroath	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	45.2	50.5	48.0	1.00
Liverpool	58.0	45.0	50.8	48.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	2.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.07
Sally	59.3	48.2	52.7	50.3	1.73
Prawle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.0	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.6	43.4	50.6	47.5	1.35
Cambridge	62.0	42.0	51.7	48.5	1.00
Yarmouth	55.4	44.9	50.6	48.1	1.83

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.9 ins. and more to 30.5 ins. over Northern Europe and the northern half of the German Ocean.  
 Lowest, 29.9 ins. and less, over the south of Portugal, 30.0 ins. and less over the Riviera, and about 30.0 ins. in a secondary area over Germany.  
 Gradients slight over northern Europe, moderate to rather steep over the southeastern and southwestern districts.  
 Barometer rising in the north and west, falling slightly in the southeast and extreme south.

## TEMPERATURE

Highest 67° at Lisbon, 60° at Valencia (Ireland) 56° at Scilly and Biarritz.  
 Lowest, 35° (1) at Haparanda, (2) at Munich, 39° at Berlin, 47° to 48° along our own east and northeast coasts.  
 Maxima yesterday were 55° to 61° over Central Scotland, 65° at Tromsø, 65° to 71° over Central England, and 65° to 67° over Central and Western Ireland. Minima were low (33°) over our eastern (inland) and north midland countries, first occurred on the grass.

## WIND

NE<sup>3</sup>, fresh to gale on the eastern and southern sides of the North Sea;  
 E<sup>1</sup>, fresh to strong over the Channel and Bay of Biscay.  
 SE<sup>1</sup> or SSE<sup>2</sup>, fresh to strong on the Irish and Dutch coasts.  
 At our eastern stations it is apparently increasing a little.

## WEATHER

Bull and rainy over Germany, rather cloudy on our southeastern coasts, clear and bright at our other stations — except in the north-west of Ireland — where the sky is overcast.  
 Rainfall (0.04 inch to 0.12 inch) is reported from some German stations.

## SEA

Rather rough on our extreme northern and southwestern coasts, moderate elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

# FORECASTS

For the 24 hours ending at NOON on 8<sup>th</sup> May, 1893.

## DISTRICTS.

## FORECASTS.

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

None issued

## DISTRICTS.

## FORECASTS.

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

None issued

## WARNINGS

At 9.45 am to districts 3 and part of 5 'HOIST NORTH CONE'.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.66	48	43	S	5	c	2	Valencia ...	30.08	65	60	SSE	7	con	6
Sumburgh Head ...	30.43	51	49	SE	3	bc	4	Scilly ...	30.18	59	54	E	5	c	4
Stornoway ...	30.24	64	59	S	2	bc	2	Jersey ...	30.28	69	66	E.	4	b	3
Aberdeen ...	30.43	49	45	SSE	4	cg	4	Hurst Castle ...	30.37	61	57	ESE	4	b	2
Shields ...	30.42	52	49	SE	4	b	4	Dungeness ...	30.39	58	53	E	5	b	4
Ardrossan ...	30.33	60	58	Z	0	c	0	North Foreland ...	30.41	54	50	E	4	b	4
Malin Head ...	30.17	62	60	SSE	5	a	2	London ...	30.40	61	50	E	3	b	3*
Mullaghmore ...								Yarmouth ...	30.48	53	50	E	4	b	
Belmullet ...	30.08	67	58	SE	5	o	*	Rochefort ...	30.19	57	63	ESE	5	b	*
Holyhead ...	30.31	59	54	NNW	1	bc	1								

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

Weather fine over the greater part of western, northern, and southern Europe, but dull in the extreme west and southwest of our islands. Dull and unsettled at many of the Russian, German, and Austrian stations, with rain at New-Fahrwasser and Warran, and with snow at Hango, Helsinki, Stockholm, Lemberg, and Trieste. Rain falling later in many parts of Germany and snow at Vienna, but weather remaining very dry over the whole of Western and Southern Europe.

Temperatures risen a little on the eastern shores of the North Sea and also in the northern parts of our islands and Russia, fallen elsewhere. Morning readings highest 63° at Barcelona, 68° at Genoa, and 67° at Cagliari, Arax, and Ispah; above 60° over the western and central parts of the Mediterranean generally, and also on some parts of our own west and southwest coasts. Lowest 24° at Archangel, 33° at Thessalon and 34° at Cassio; below 40° in most parts of Central Europe. Rising during day to 65° or more at many of our own inland and southern stations and reaching 71° at Loughborough and Cambridge. Exceeding 75° in several parts of France and Spain, the highest reading of all being 86° at Madrid. Frost occurring over central England at night.

Wind E<sup>3</sup> or SE<sup>3</sup> over Ireland, England, France, and Spain; light or moderate in force generally, but fresh or strong on our extreme west and southwest coasts. Calm over the northern parts of Sweden and Russia; moderate to strong from the NE<sup>2</sup> over Denmark and the Baltic; NW<sup>3</sup> in Germany and W<sup>3</sup> in Austria, but SE<sup>3</sup> in the south of Russia, E<sup>3</sup> or NE<sup>3</sup> in Spain, Italy, and Algeria. No important change occurring during day.

Barometer highest 30.9 ins. and upwards in Lapland; 30.1 ins. and upwards, in an anticyclone covering all but the southern and southeastern parts of Europe. Lowest, 30.0 ins. and less, in large shallow areas lying respectively off the Portuguese coasts, and over Turkey, Greece, and the southern parts of Italy, as well as in a rather well-marked depression over Galicia. Depression subsequently moving slowly westwards to Eastern Germany, and gradients for NE<sup>3</sup> winds becoming rather steep over the Baltic.

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

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

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

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

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

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# DAILY WEATHER REPORT

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

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.			Max.	Min.				
SCANDINAVIA.																					
Haparanda ...	30.78	35	W	2	b	30.72	-18	42	38	+7	SE	0	b	#	b	43	?				
Hernösand ...	30.89	41	?	2	b	30.82	-13	46	40	+5	SE	0	b	#	b	61	25				
Stockholm ...	30.80	44	NE	4	b	30.77	+02	50	41	+5	NE	4	b	#	b	54	30				
Wisby ...	30.67	44	E	4	b	30.67	+07	52	45	+1	ESE	4	b	#	b	59	37				
Bodö ...	30.85	44	SE	0	b	30.85	+03	45	38	+1	E	2	b	#	b	50	32				
Christiansund...	30.80	51	SE	0	b	30.82	+04	51	47	+4	SE	1	b	0	b	?	45				
Skudesnaes ...	30.70	51	SE	0	b	30.72	+05	56	48	+5	E	2	c	1	b	66	46				
Christiania Fjord (Fierder)	30.73	55	NE	3	b	30.77	+05	46	42	+2	NE	5	b	1	b	57	44				
Skagen (The Scaw)	30.64	46	ESE	3	b	30.68	+08	47	44	+1	ESE	4	b	2	b	57	45				
Fanö ...	30.49	50	E	6	c	30.50	+10	49	46	+2	ESE	6	b	#	c	59	45				
Sumburgh Head	30.58	48	SE	3	b	30.65	+11	50	49	+1	SE	1	b	4	b	51	42				
Stornoway ...	30.33	61	S	2	b	30.49	+20	51	50	-3	S	3	b	3	b	64	46				
Wick ...	30.52	46	SSE	7	b	30.60	+16	48	46	0	S	4	c	4	b	50	43				
Nairn ...	30.41	60	SSE	2	b	30.56	+19	53	49	-5	SE	0	b	1	b	68	36				
Aberdeen ...	30.57	45	SSE	4	o.g.	30.64	+09	51	48	+4	SE	2	b	4	o.g.	52	43				
Leith ...	30.48	49	ESE	4	b	30.57	+10	51	48	0	ESE	2	b	#	b	57	44				
Shields ...	30.51	46	NE	2	a	30.54	+04	47	46	0	N	2	o	4	a	51	43				
Spurn Head ...	30.40	47	NE	4	o.g.	30.43	-03	51	51	+3	NE	4	b	4	o.g.	51	44				
York ...	30.45	48	ESE	1	o	30.48	00	52	49	+3	E	2	o	#	o	58	41				
Loughborough	30.40	49	NE	4	o	30.43	-01	46	45	-4	NE	2	o.g.	#	o	58	41				
BRITISH ISLANDS.																					
Ardrossan ...	30.39	55	ESE	3	b	30.52	+13	54	48	+1	ESE	3	b	1	b	59	43				
Malin Head ...	30.24	55	SSE	6	b	30.44	+22	50	45	-4	SE	5	o	2	b, o	62	46				
Mullaghmore ...																					
Belmullet ...	30.19	61	SE	5	o	30.41	+20	51	48	-5	ESE	3	o	#	o	63	48				
Donaghadee ...	30.38	52	SE	4	b	30.53	+16	50	47	0	ESE	6	b	4	b	55	49				
Liverpool (Blaton)	30.37	55	ESE	4	c	30.47	+06	49	44	-2	ESE	2	c	2	c	59	42				
Holyhead ...	30.33	56	E	4	c	30.44	+12	50	46	-5	E	4	b	3	b, c	63	43				
Parsonstown ...	30.26	59	SE	1	c	30.41	+19	49	48	-7	SE	1	o	#	c	64	46				
Valencia ...	30.17	59	SE	6	c	30.34	+26	56	53	-4	ESE	4	c	4	c	65	52				
Roche's Point	30.24	55	SE	5	b	30.38	+15	51	48	-4	ESE	5	c	4	b	58	48				
Pembroke (St. Ann's Hd.)	30.26	55	ESE	4	b	30.37	+10	51	47	-7	E	3	b	3	b	58	43				
Scilly ...	30.21	54	E	6	c	30.26	+05	52	47	-4	E	6	c	4	c	58	46				
Prawle Point ...	30.27	47	ESE	5	b	30.29	-01	50	46	-1	ESE	6	b	5	b	53	44				
Jersey (St. Aubin's)	30.23	52	ESE	5	b	30.21	-06	48	42	-8	NE	6	b	4	b	58	47				
Hurst Castle ...	30.28	54	S	3	b	30.31	-05	51	48	-1	NE	4	b	2	b	61	44				
Dungeness ...	30.24	49	ESE	6	o	30.27	-07	54	53	+4	E	6	b	5	o	55	48				
North Foreland	30.24	46	NE	7	c	30.29	-07	51	48	+3	NE	5	b	4	c, g	51	45				
London ...	30.32	52	NE	4	o	30.35	-05	54	47	+2	E	3	b	#	b, o, g, b	60	42				
Oxford ...	30.37	47	NE	3	o	30.38	-03	49	45	-1	NE	4	b	#	b, o, d	60	39				
Cambridge ...	30.36	48	NNE	5	o	30.39	-04	51	47	+2	NNE	4	b	#	o	57	34				
Yarmouth ...	30.34	48	NE	6	c	30.37	-04	50	48	+3	NE	5	b	4	c, g	53	45				
GERMANY & HOLLAND.																					
Cuxhaven ...	30.40	49	ESE	6	b	30.42	+14	51	49	+6	ESE	5	b	#	b	52	45				
Berlin ...	30.27	47	E	3	r	30.23	+17	55	50	+16	ESE	4	b	#	r	55	39	0.04			
Wiesbaden ...	30.17	46	NE	3	r	30.17	+02	46	43	+3	NE	2	o	#	#	48	39	0.04			
Munich ...	30.10	35	NE	1	r	30.08	+01	35	35	0	SE	1	o	#	r	43	28	0.08			
The Helder ...	30.37	50	NE	7	b	30.38	+01	50	48	+5	NE	6	b	4	b	50	45				
FRANCE AND BELGIUM.																					
Brussels (9 a.m.)	30.28	44	NE	5	c	30.28	-03	44	42	-1	NE	5	c	#	b	50	38	0.08			
Cape Gris Nez	30.20	49	NE	6	c	30.23	-06	50	48	+2	ESE	5	b	4	c	54	41				
Paris ...	30.16	51	NNE	5	o	30.17	-11	45	41	0	NE	3	b	#	o	59	42				
Brest ...	30.08	57	ESE	3	b	30.13	-03	47	43	-5	E	4	c	3	b	59	41				
Lorient ...	30.08	62	ESE	4	b	30.13	-03	47	43	-5	ESE	6	b	4	b	61	45				
Rochefort ...	30.01	64	E	5	b	30.01	-07	46	44	-6	NE	5	b	#	b	79	43				
Belfort ...	30.01	60	E	3	b	30.01	-07	46	44	-6	E	5	b	#	b	64	34				
Lyons ...	29.98	52	NNE	3	b	29.98	-16	44	39	-2	NNE	2	b	#	b	62	39				
Nice ...	29.83	54	SE	3	c	29.82	-15	55	52	+2	NE	2	b	2	c	64	50				
Perpignan ...	29.85	64	SE	1	b	29.88	-16	56	32	-1	NE	2	b	#	b	70	43				
Biarritz ...	29.86	65	W	3	b	29.86	-10	50	41	-6	ESE	5	b	3	b	77	45				
PORTUGAL.																					
Corunna ...	29.76	64	SSW	5	o	29.61	-25	60	57	-7	S	5	c	#	b, o	77	55	0.63			
Lisbon ...	29.76	64	SSW	5	o	29.61	-25	60	57	-7	S	5	c	#	b, o	77	55	0.63			

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 Monday, 8<sup>th</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— forces above 10 : — forces 8 to 10 :

— forces 5 to 7 : — forces 1 to 4 :

— dead calm.

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

— = Rough, — = High.

### MEAN HEIGHT OF THE BAROMETER

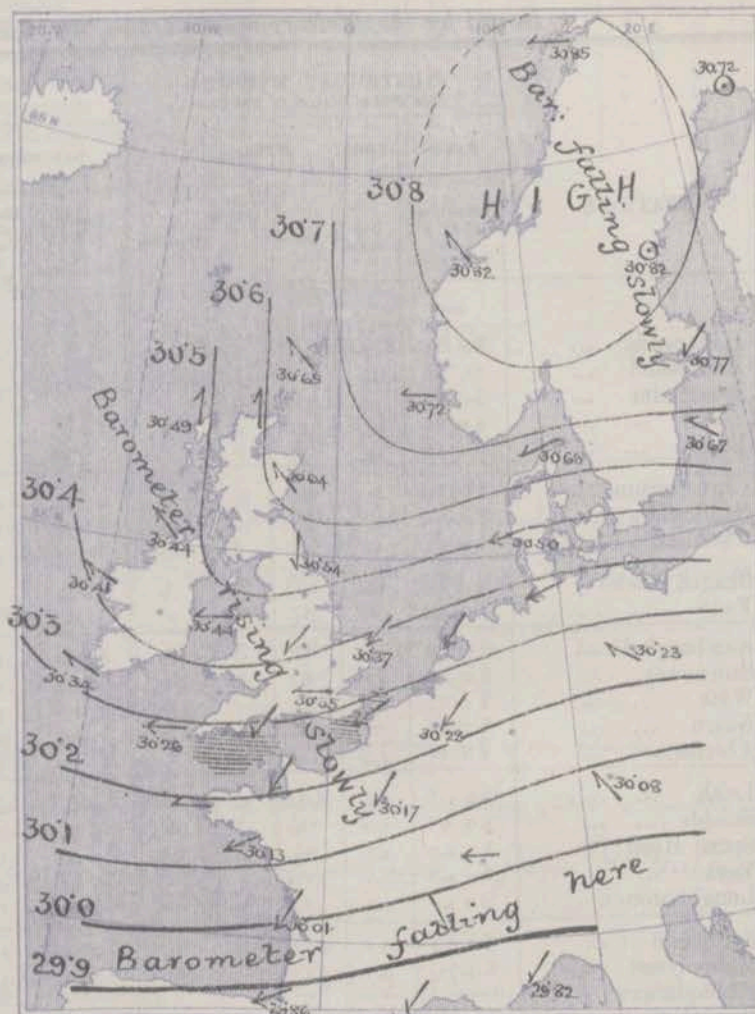
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Arbroath	29.935
Mullaghmore	29.929
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.959
Pembroke	29.961
Selly	29.974
Prawle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.979
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

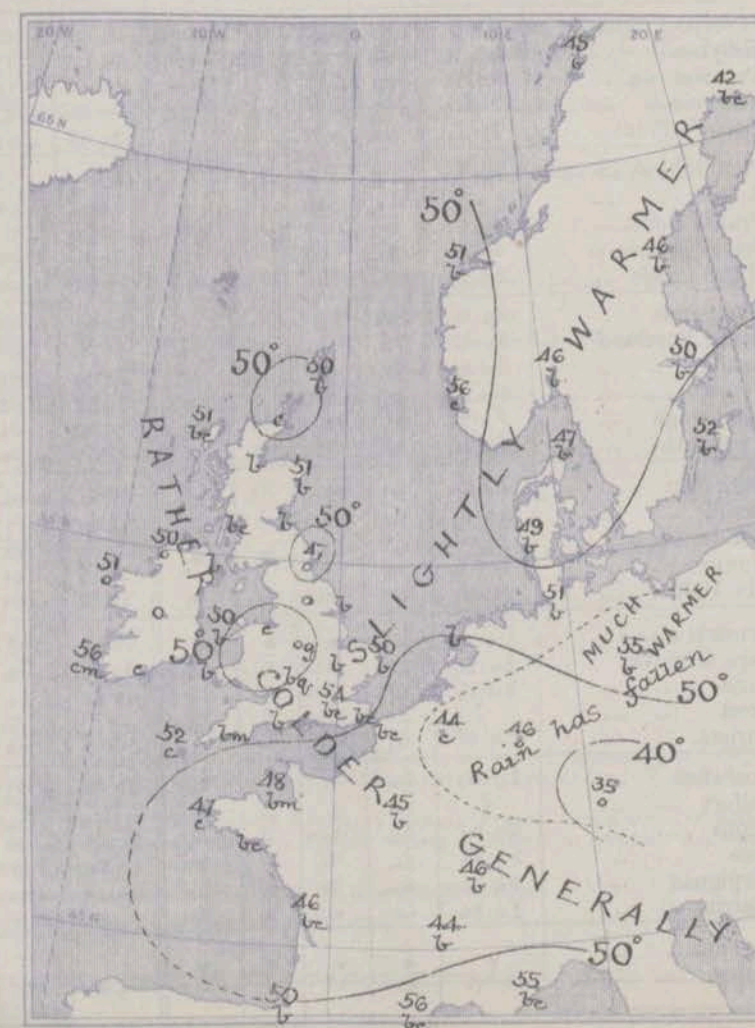
**WEATHER**—is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	53.9	40.6	48.1	45.6	1.69
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	53.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	50.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Arbroath	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	50.5	42.7	51.0	47.8	2.24
Valencia	58.1	40.3	52.8	49.7	2.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Selly	56.3	48.2	52.7	50.3	1.73
Prawle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.3	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.3	1.86
Oxford	60.6	43.4	50.6	47.5	1.93
Cambridge	62.0	42.0	51.7	48.3	1.90
Yarmouth	55.4	44.0	50.6	48.1	1.86

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, 30.8 in. and upwards, over nearly the whole of Scandinavia.  
Lowest, 29.7 in. and less, in the south of Portugal.

Gradients slight generally. Barometer rising in most places, but falling a little in Scandinavia, and also in the southern parts of France and Spain.

## TEMPERATURE

Highest, 60° at Lirbow, 56° at Valencia (Ireland) and Penryn, 55° at Kiev, and 54° at Anderson, Dungeness, and in London.  
Lowest, 35° at Munich, 42° at Haparanda, 44° at Lyons, 45° at Paris, and 46° at Helsingfors, Loughborough and Nissabaden.  
The highest maxima registered over our Islands yesterday were 68° at Kinn, 65° at Valencia (Ireland), and 64° at Penryn.

## WIND

Moderate to strong, from the E<sup>nd</sup> or NE<sup>nd</sup> over the greater part of Western Europe, but S<sup>ly</sup> in the north of Scotland, and calm over the northern parts of Sweden.

A fresh S<sup>ly</sup> breeze is reported at Lirbow.

## WEATHER

Fine generally, but dull over the northern parts of Ireland and England, as well as at some of the German stations. A little rain has fallen in Belgium and Germany, and a larger quantity at Lirbow, but in all other parts of our area the weather has continued very dry. A solar halo was seen at Jersey yesterday.

## SEA

Moderate to smooth generally, but rather rough at Hawke Point and Dungeness.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

# FORECASTS

For the 24 hours ending at NOON on 9<sup>th</sup> May

1893.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	} S <sup>W</sup> and SE <sup>W</sup> winds, light, fine generally.	6	SCOTLAND WEST	} E <sup>W</sup> winds, light or moderate, fine generally.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.	NE <sup>W</sup> winds, light or moderate, fair generally.	8	ENGLAND S.W.	} E <sup>W</sup> winds, fresh or strong, fair generally.
3	ENGLAND EAST	Same as No 5.	9	IRELAND NORTH	
4	MIDLAND COUNTIES	Same as No 2.	10	IRELAND SOUTH	
5	ENGLAND SOUTH	E <sup>W</sup> and NE <sup>W</sup> winds, moderate inland, fresh or strong on coast, fine generally.	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.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.65	66	52	E	4	6c	4	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...								Jersey ...	30.56	57	48	E	5	6	4
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	30.29	51	51	E.N.E.	6	c	5
Ardrossan ...								North Foreland ...	30.33	47	46	N.E.	7	c	6
Malin Head ...	30.24	60	58	S.S.E.	7	6c	2	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.16	63	53	S.S.E.	6	0	#	Rochefort ...	30.04	?	59	E.S.E.	5	6c	#
Holyhead ...	30.55	58	52	N.W.	2	6c	1								

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

*Weather* in morning fine, bright and dry over the whole of W<sup>m</sup> and N<sup>m</sup> Europe, dull over central and S<sup>m</sup> Europe, with snow at Hermentstadt, Cracow and Prague. Rain at Lemberg, Vienna, Munich, Wiesbaden and Berlin. Rain falling later at the German stations generally, but not heavily, and a large quantity at Lisbon. Weather over western Europe remaining dry.

*Temperature*, highest 60° to 70° over the S<sup>m</sup> half of the Mediterranean and on the Spanish coast, 60° at Valencia (Ireland); below 50° over the N<sup>m</sup> and E<sup>m</sup> coasts of St. Britain and France, and below 40° over central Europe. Lowest 33° at Archangel, 35° at Munich and Cracow, 36° at Vienna and Breslau. Rising later to 60° or a little more in many parts of England and Ireland, to 64° at Stornoway, to 71° at Brest, 77° at Biarritz and Lisbon.

*Wind* E<sup>m</sup> moderate to strong over the Baltic. NE<sup>m</sup> strong to a gale, on the eastern shores of the North Sea, E<sup>m</sup> fresh to strong, on our south and south-west coasts, SE<sup>m</sup> strong on the Irish coasts, and rather more S<sup>m</sup> in Scotland. No important change later except in the S.E. of England, where it became squally during the day.

*Barometer*, highest 30.9 ins. and more to 30.5 ins. over the whole of N<sup>m</sup> Europe and exceeding 30.1 ins. over the whole of N<sup>m</sup> Europe. Lowest 29.9 ins. and less in two large areas, one over S<sup>m</sup> Europe, the other over the S<sup>m</sup> parts of the Spanish Peninsula and adjacent parts of the Atlantic. Gradients not steep anywhere. Falling somewhat over France and the S.E. of England later, no decided change elsewhere.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 30<sup>TH</sup> APRIL TO 6<sup>TH</sup> MAY, 1893.

During the earlier part of this week depressions began to advance to the British Islands and their neighbourhood from the Atlantic, with the result that S<sup>m</sup> and S<sup>m</sup> winds spread over us from the Atlantic, bringing with them SE<sup>m</sup> to SW<sup>m</sup> winds and a very unsettled appearance of the sky - solar and lunar halos at the southern and eastern stations and rain to our western, northern and north midland districts. The rains were greatest at the Irish and Scotch stations, very slight over the midland parts of England, and not sufficient to yield a measurable rainfall over the southern and eastern counties.

From Wednesday, however, all the rainy tendencies decreased, and Thursday found us with anticyclonic conditions again established over northwestern Europe generally. These increased steadily as the week advanced, and on Saturday a well-formed high-pressure system covered Scandinavia, the Baltic, the North Sea, the British Islands, France and Spain. Barometric readings then ranged from 30.6 ins. and more over Norway, to about 30.0 ins. on the northern shores of the Mediterranean, on the Spanish coast, and in the regions slightly to the westward of Valencia (Ireland). Temperature though high, has been less high during the daytime than it was about a month ago.

## 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 9TH MAY.

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		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 ...	30.65	42	N	2	0	30.75	+0.3	44	42	+2	2	0	0	0	55	19	—		
	Hernösand ...	30.6	46	S	2	0	30.68	-1.4	46	40	0	N	2	0	0	64	28	—		
	Stockholm ...	30.6	46	2	0	0	30.63	-1.4	52	46	+2	2	0	0	0	55	32	—		
	Wisby ...	30.60	46	E	4	0	30.55	-1.0	42	35	-10	NNE	4	0	0	55	35	—		
	Bodö ...	30.75	43	2	0	0	30.65	-1.6	50	40	+5	E	2	0	0	50	34	—		
	Christiansund...	30.62	55	NNE	2	0	30.60	-2.2	58	47	+2	ENE	1	0	0	61	46	—		
	Skudesnaes ...	30.61	56	N	4	0	30.61	-1.1	54	48	-2	ENE	2	0	0	65	45	—		
	Christiania Fjord (Færder)	30.64	54	NNE	4	0	30.64	-1.3	48	46	+2	NNE	2	0	0	55	46	—		
	Skagen (The Scaw)	30.61	50	ENE	2	0	30.61	-0.7	50	45	+3	E	2	0	0	55	45	—		
	Fanö ...	30.47	52	E	2	0	30.47	-0.3	51	47	+2	E	2	0	0	70	45	—		
BRITISH ISLANDS.	Sumburgh Head	30.58	40	SE	2	0	30.58	-1.2	51	45	+1	NNE	1	0	0	54	42	—		
	Stornoway ...	30.47	60	SW	1	0	30.46	-0.3	52	50	+1	2	0	0	0	60	40	—		
	Wick ...	30.55	50	SE	2	0	30.51	-0.9	51	45	+3	2	0	0	0	54	45	—		
	Nairn ...	30.45	5	2	0	0	30.50	-0.6	54	52	+1	2	0	0	0	64	38	—		
	Aberdeen ...	30.58	47	ENE	2	0	30.55	-0.9	51	48	0	ENE	1	0	0	56	42	—		
	Leith ...	30.52	47	E	2	0	30.48	-0.9	46	45	-5	ENE	1	0	0	54	44	—		
	Shields ...	30.51	50	NNE	2	0	30.50	-0.4	45	47	+2	N	2	0	0	56	43	—		
	Spurn Head ...	30.40	45	NE	5	0	30.38	-0.5	53	53	+2	NE	4	0	0	58	46	—		
	York ...	30.45	58	ENE	2	0	30.44	-0.4	55	50	+3	NNE	2	0	0	65	41	—		
	Loughborough	30.37	60	ENE	4	0	30.37	-0.6	58	49	+7	NNE	4	0	0	65	42	—		
BRITISH ISLANDS.	Ardrossan ...	30.45	60	E	2	0	30.45	-0.3	52	49	-2	NE	2	0	0	62	43	—		
	Malin Head ...	30.44	52	SE	2	0	30.45	+0.1	52	50	+2	ENE	2	0	0	53	48	—		
	Mullaghmore ...	30.42	55	WNW	2	0	30.42	+0.2	53	50	+2	NW	2	0	0	60	45	—		
	Belmullet ...	30.45	54	NNE	4	0	30.50	-0.3	53	50	+3	NE	4	0	0	58	50	—		
	Donaghadee ...	30.45	54	NNE	4	0	30.50	-0.3	53	50	+3	NE	4	0	0	58	50	—		
	Liverpool (Bidston)	30.38	63	ENE	4	0	30.43	-0.4	57	51	+8	NE	1	0	0	64	45	—		
	Holyhead ...	30.38	53	NE	3	0	30.43	-0.1	55	51	+5	ENE	2	0	0	56	48	—		
	Parsonstown ...	30.35	58	SE	1	0	30.48	+0.2	58	53	+6	2	0	0	0	65	40	—		
	Valencia ...	30.38	56	N	2	0	30.40	+0.5	59	54	+3	2	0	0	0	61	44	—		
	Roche's Point	30.35	53	ENE	4	0	30.40	+0.2	58	54	+7	E	2	0	0	58	48	—		
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.38	56	NE	4	0	30.31	-0.6	55	51	+6	ENE	4	0	0	61	50	—		
	Scilly ...	30.25	53	NNE	5	0	30.23	-0.2	53	52	+3	NE	5	0	0	55	47	—		
	Prawle Point ...	30.24	53	ENE	2	0	30.21	-0.8	56	51	+6	NE	4	0	0	58	48	—		
	Jersey (St. Aubin's)	30.18	55	NE	5	0	30.15	-0.6	58	54	+10	NE	4	0	0	58	51	—		
	Hurst Castle ...	30.25	60	E	4	0	30.22	-0.9	55	51	+4	NE	2	0	0	64	48	—		
	Dungeness ...	30.22	53	ENE	5	0	30.17	-1.0	56	52	+2	ENE	5	0	0	57	51	—		
	North Foreland	30.22	50	NNE	5	0	30.21	-0.8	53	50	+2	NE	5	0	0	53	48	—		
	London ...	30.28	61	E	2	0	30.27	-0.8	58	56	+1	ENE	2	0	0	66	49	—		
	Oxford ...	30.31	55	NE	2	0	30.30	-0.8	54	50	+4	NE	2	0	0	65	45	—		
	Cambridge ...	30.33	60	NE	5	0	30.31	-0.8	54	50	+3	NE	4	0	0	65	41	—		
BRITISH ISLANDS.	Yarmouth ...	30.32	52	NE	5	0	30.30	-0.7	51	49	+1	NE	5	0	0	58	49	—		
	Cuxhaven ...	30.41	53	ENE	5	0	30.38	-0.4	50	48	-1	ENE	5	0	0	57	45	—		
	Berlin ...	30.23	61	NE	4	0	30.32	+0.9	58	49	0	E	2	0	0	58	48	—		
	Wiesbaden ...	30.10	59	2	0	0	30.15	-0.2	53	51	+13	NE	4	0	0	53	35	0.004		
	Munich ...	30.10	59	2	0	0	30.12	+0.4	44	41	+7	NE	5	0	0	53	35	0.004		
	The Helder ...	30.34	54	NE	6	0	30.36	-0.2	51	48	+1	ENE	5	0	0	53	50	—		
	Brussels (9 a.m.)	30.10	50	2	0	0	30.10	-0.9	56	50	+12	NE	5	0	0	65	44	—		
	Cape Gris Nez	30.20	52	ENE	5	0	30.15	-0.8	53	52	+3	ENE	2	0	0	53	50	—		
	Paris ...	30.11	53	ENE	4	0	30.06	-1.1	54	50	+9	NE	2	0	0	63	45	—		
	Brest ...	30.06	57	E	3	0	30.07	-0.6	52	49	+5	E	4	0	0	64	41	—		
FRANCE AND BELGIUM.	Lorient ...	30.06	58	NE	6	0	30.07	-0.6	53	49	+6	NNE	5	0	0	63	47	—		
	Rochefort ...	30.06	61	NE	5	0	30.07	-0.4	53	49	+7	E	4	0	0	68	46	—		
	Belfort ...	30.06	58	ENE	5	0	30.07	-0.4	53	49	+7	ENE	2	0	0	57	46	—		
	Lyons ...	30.01	56	N	1	0	30.01	+0.3	46	42	+2	1	0	0	0	61	42	—		
	Nice ...	30.00	53	E	4	0	30.04	+0.2	52	46	-3	E	1	0	0	0	53	37	—	
	Perpignan ...	30.08	58	SE	2	0	30.02	+0.4	55	52	-1	NE	1	0	0	0	64	51	—	
	Biarritz ...	30.00	66	E	2	0	30.07	+0.3	52	45	+2	ENE	2	0	0	70	48	—		
	Corunna ...	30.00	53	SE	2	0	30.04	+0.3	52	45	+2	ENE	2	0	0	70	48	—		
	Lisbon ...	30.00	53	SE	2	0	30.04	+0.3	52	45	+2	ENE	2	0	0	70	48	—		
	Lisbon ...	30.00	53	SE	2	0	30.04	+0.3	52	45	+2	ENE	2	0	0	70	48	—		

For Explanation of Columns see page 10.

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> May 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

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

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

— Rough. — High.

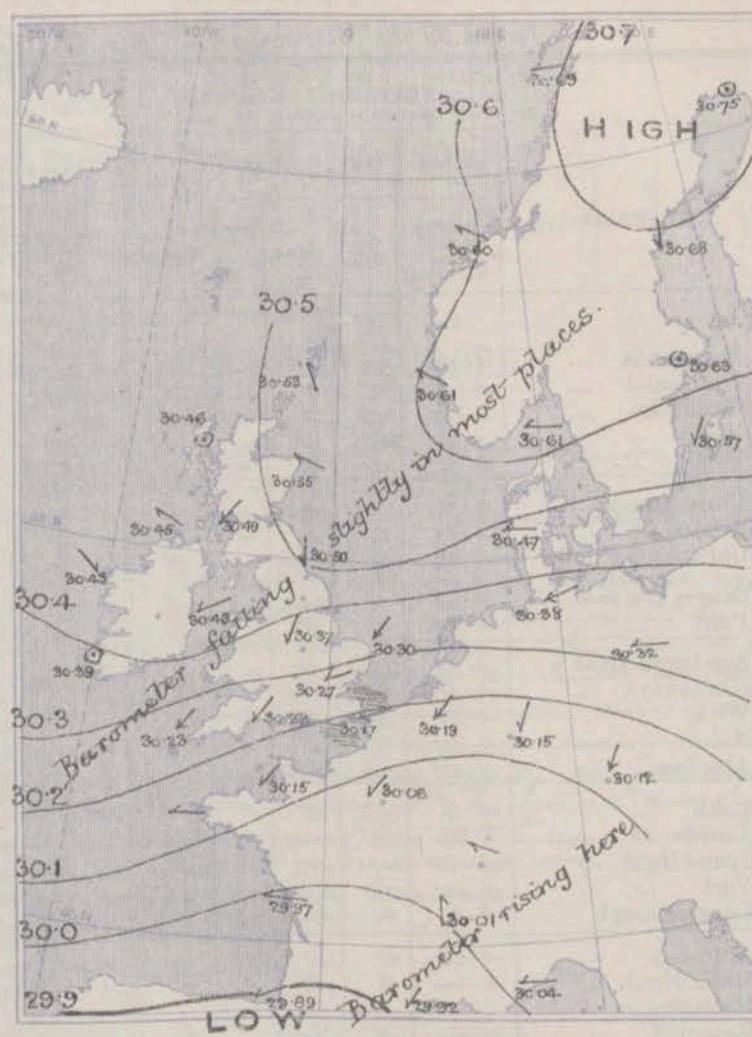
### MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of May  
During the 20 Years 1871–1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sanlburgh Head	29.870
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.978
Ardrishan	29.985
Mullaghmore	29.990
Doughaduff	29.997
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.950
Pembroke	29.961
Selly	29.974
Pravle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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 May.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Daily at 8 a.m.	Wind.	
Sanlburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.4	46.4	2.61
Wick	53.0	40.6	48.1	45.6	1.69
Nairn	50.3	42.2	48.6	45.1	1.01
Aberdeen	55.0	41.9	48.9	45.1	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.0	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.60
Ardrishan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Doughaduff	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Selly	56.3	48.2	52.7	50.3	1.73
Pravle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.9	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.6	43.4	50.6	47.5	1.05
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	65.4	44.9	50.6	48.1	1.86

**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 ins. and upwards in the north of Scandinavia; 30.5 ins. and upwards over the whole of Scandinavia, with the northern parts of Denmark and the North Sea.

Lowest 29.8 ins. and less in a shallow depression lying over Portugal.

Gradients slight. Barometer changing slightly and irregularly.

## TEMPERATURE

Highest 60° at Lisbon, 59° at Valence (Ireland) and Brussels, 58° at Rock's Point and Sicily and 57° at Liverpool and Penbrooke.

Lowest (1) 42° at Whidby, 44° at Haparanda, and 46° at Hernösand, (2) 42° at Munich, 46° at Lyons and 49° at Belfort.

During yesterday the thermometer rose to between 65° and 67° at several of the English stations.

## WIND

Light to fresh from the E<sup>W</sup> or NE<sup>W</sup> over the greater part of western Europe, but SE<sup>W</sup> or S<sup>W</sup> in the north and east of Scotland.

A moderate S<sup>W</sup> breeze was also reported at Lisbon.

## WEATHER

Fine and bright over western Europe as a whole, but dull in the central and southern parts of France.

Slight rain fell yesterday at Wiesbaden, and a considerable quantity (0.7 in.) at Lisbon, but in all other parts of our area the weather remained exceedingly dry.

## SEA

Moderate to smooth generally, but rather rough on the Kentish coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no indications of any material change in the weather.

## FORECASTS

For the 24 hours ending at NOON on 10<sup>TH</sup> MAY.

1893.

### DISTRICTS.

### FORECASTS.

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

SE<sup>W</sup> winds, light, fine generally.

Same as No. 5.

NE<sup>W</sup> winds, light or moderate; fine generally, warmer.

### DISTRICTS.

### FORECASTS.

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

NE<sup>W</sup> winds, light, fine generally.

Same as No. 5.

E<sup>W</sup> and SE<sup>W</sup> winds, light, fine 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. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.71	65	52	NW	2	c	1	Valencia ...	30.38	60	53	SE	2	cm	3
Sumburgh Head ...	30.64	52	51	SE	2	b	4	Scilly ...	30.28	55	52	E	5	c	4
Stornoway ...	30.53	56	51	SW	3	c	3	Jersey ...	30.21	53	53	ENE	6	b	4
Aberdeen ...	30.61	53	53	SE	2	b	4	Hurst Castle ...	30.27	62	53	E	3	b	2
Shields ...	30.54	53	51	NE	2	b	4	Dungeness ...	30.23	54	51	ENE	6	o	5
Ardrossan ...	30.48	62	56	E	2	cm	2	North Foreland ...	30.28	52	49	NE	5	b	6
Malin Head ...	30.45	53	49	SE	4	c	2	London ...	30.28	63	53	ENE	3	o	*
Mullaghmore ...								Yarmouth ...	30.25	53	50	NE	3	b	5
Belmullet ...	30.42	60	54	ENE	2	o	*	Rochefort ...	25.58	64	53	NE	5	b	*
Holyhead ...	30.42	53	49	NNE	4	b	3								

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

Weather in morning fine and bright over northern and western Europe, except at Archangel, temporarily dull at one or two of our own stations, very dull and unsettled over southeastern Europe, with rain at some of the Austrian stations, snow at Hermannstadt, cloudy, unsettled over Spain, rain at Turin (Newspapers report cold wet weather over Switzerland). Rainfall 0.7 ins. at Lisbon later, 0.04 ins. at Wiesbaden, none over our Islands or northwestern Europe.

Temperature becoming very irregularly distributed. Readings in morning 72° at Algiers, 70° at Oran, exceeding 60° at several stations on the southern and western sides of the Mediterranean, and exceeding 50° at those on the northern side, as well as at many in our Islands, and in the Baltic Provinces. Lowest (1) 34° at Archangel, 38° at Uleaborg, 39° at St. Petersburg; (2) 35° at Munich and Hermannstadt, 37° at Vienna, 41° at Turin, 47° at Pavia, 50° at Lesina and Rome. Rising to between 60° and 67° at most of our own stations during day, to 64° at Paris and Perpignan, and to 70° at Biarritz.

Wind calm or nearly so over northern Europe, E<sup>4</sup> and NE<sup>4</sup>, light to fresh over the Baltic, fresh to strong over the North Sea, the Channel and Bay of Biscay, ESE<sup>4</sup> in Ireland, S<sup>4</sup>, moderate, in Scotland, NE<sup>4</sup> to N<sup>4</sup>, breezes on the northern shores of the Mediterranean, S<sup>4</sup> and SW<sup>4</sup> over the southern half of Spain.

Barometer highest 30.8 ins. and more to 30.5 ins. over the whole of northern Europe including Scotland and the northern parts of the German Ocean. Lowest 29.8 ins. to 29.6 ins. in a depression over Spain, Portugal and adjacent parts of Atlantic; 29.8 ins. and less in two others - one over Algeria, the other over southeastern Europe. Gradients somewhat steep over the western and central countries, but moderate to slight both in the south and in the far north. Falling a little over Scandinavia later, rising slightly in Ireland.

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

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty, (hazy); o. overcast; p. passing showers; q. 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 WEDNESDAY 10TH MAY.

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.		Wind.		Weather.	Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
				Force (0 to 12).	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.	
		Reaching at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Ins.	°	°	°	°	°	°	°	°	°	°	°	°	Ins.	
SCANDINAVIA.	Haparanda ...	30.62	40	Z	0	0	30.60	-15	41	37	-3	2	C	#	0	52	36	—		
	Hernösand ...	30.67	43	Z	0	0	30.61	-07	46	43	0	2	0	6	#	61	37	—		
	Stockholm ...	30.57	41	E	2	0	30.57	-06	45	41	-7	2	0	0	#	63	33	—		
	Wisby ...	30.50	41	E	4	0	30.47	-08	48	44	+6	1	0	0	#	52	34	—		
	Bodö ...	30.56	50	Z	0	0	30.52	-17	48	42	-5	2	0	6	1	57	38	—		
	Christiansund...	30.61	51	W	1	0	30.52	-08	53	49	0	ENE	1	6	1	57	45	—		
	Skudesnaes ...	30.57	51	WNW	2	0	30.50	-11	50	47	-4	2	0	6	1	56	43	—		
	Christiania Fjord (Færdar)	30.50	53	WNW	2	0	30.47	-15	49	49	+1	NNE	4	6	1	55	44	—		
	Skagen (The Scaw)	30.50	50	NE	1	0	30.45	-16	52	46	+3	2	0	6	1	57	46	—		
	Fanö ...	30.45	51	E	2	0	30.41	-06	51	46	0	ENE	2	6	#	52	43	—		
ISLANDS.	Sumburgh Head	30.49	54	SSE	1	0	30.47	-14	53	52	+4	ENE	1	6	2	57	44	—		
	Stornoway ...	30.41	59	S	3	0	30.37	-11	53	53	+3	WN	4	0	4	56	45	—		
	Wick ...	30.50	52	S	2	0	30.47	-12	61	57	+10	2	1	6	1	61	40	—		
	Nairn ...	30.40	59	Z	0	0	30.40	-10	53	53	+5	2	0	6	1	61	37	—		
	Aberdeen ...	30.51	51	SSE	2	0	30.44	-11	57	51	+8	NSE	2	6	2	57	40	—		
	Leith ...	30.47	47	Z	0	0	30.47	-01	44	47	+2	ENE	1	m	#	56	44	—		
	Shields ...	30.46	52	N	2	0	30.47	-03	52	44	+3	NW	2	6	3	55	39	—		
	Spurn Head ...	30.35	50	NE	4	0	30.38	-00	52	52	+1	NNE	4	6	5	55	46	—		
	York ...	30.41	57	ENE	2	0	30.42	-01	53	44	0	NE	2	6	#	65	39	—		
	Loughborough	30.32	61	NE	4	0	30.40	+03	53	49	+2	NE	2	6	#	66	39	—		
BRITISH ISLANDS.	Ardrossan ...	30.40	65	NE	3	0	30.45	-04	52	51	+2	2	0	cm	0	64	44	—		
	Malin Head ...	30.40	54	E	4	0	30.42	-03	52	51	+6	SW	2	6	0	57	51	—		
	Mullaghmore ...	30.43	60	WNW	1	0	30.45	+02	53	52	+2	NNE	1	6	#	62	47	—		
	Belmullet ...	30.42	62	NNE	3	0	30.47	-01	52	49	+1	ENE	2	m	1	63	50	—		
	Donaghadee ...	30.42	62	NNE	3	0	30.47	-01	52	49	+1	ENE	2	m	1	63	50	—		
	Liverpool (Bldston)	30.33	62	ENE	4	0	30.44	+01	52	51	+1	NE	1	6	1	65	44	—		
	Holyhead ...	30.35	58	NE	3	0	30.42	-00	56	51	+1	E	3	6	2	58	43	—		
	Parsonstown ...	30.38	65	Z	0	0	30.44	+01	56	52	+1	2	0	6	#	64	37	—		
	Valencia ...	30.38	62	NW	4	0	30.44	+05	57	52	-2	2	0	6	1	66	43	—		
	Roche's Point ...	30.36	60	SSE	1	0	30.42	+03	60	55	+2	NE	2	6	2	63	50	—		
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	30.25	61	N	3	0	30.36	+05	52	50	-3	NNE	4	6	2	66	48	—		
	Scilly ...	30.23	56	NNE	4	0	30.25	+06	56	53	+1	NNE	4	6	3	57	51	—		
	Prawle Point ...	30.18	59	ENE	2	0	30.26	+05	53	53	+3	NE	4	6	3	64	47	—		
	Jersey (St. Aubin's)	30.12	64	NE	4	0	30.20	+05	55	52	-1	NE	4	6	3	66	52	—		
	Hurst Castle ...	30.17	60	E	4	0	30.24	+02	56	52	+1	NNE	4	6	2	66	48	—		
	Dungeness ...	30.11	59	NE	5	0	30.18	+01	57	53	+1	NE	4	6	3	60	47	—		
	North Foreland	30.15	52	NNE	6	0	30.20	-01	53	50	0	NE	5	6	5	52	53	—		
	London ...	30.21	63	NNE	4	0	30.28	+01	56	51	+1	N	2	6	#	70	46	—		
	Oxford ...	30.28	64	NE	3	0	30.32	+02	53	50	+1	NE	3	6	#	69	45	—		
	Cambridge ...	30.27	63	NNE	4	0	30.33	+02	56	51	+2	N	3	6	#	70	42	—		
FRANCE AND BELGIUM.	Yarmouth ...	30.26	52	NE	5	0	30.27	-01	51	47	0	ENE	5	6	5	53	44	—		
	Cuxhaven ...	30.37	53	ENE	3	0	30.23	-01	51	48	+1	ENE	4	6	#	61	50	—		
	Berlin ...	30.28	60	E	2	0	30.24	-04	53	48	0	NNE	2	6	#	64	48	—		
	Wiesbaden ...	30.11	57	E	5	0	30.12	-03	57	52	-2	ENE	2	6	#	60	43	—		
	Munich ...	30.11	57	E	5	0	30.14	+02	45	44	+7	N	1	7	#	57	42	0.16		
	The Helder ...	30.28	55	NE	6	0	30.23	-03	52	49	+1	ENE	5	6	3	57	50	—		
	Brussels (8 a.m.)	30.11	52	ENE	5	0	30.16	-03	61	52	+5	NE	2	6	#	64	52	—		
	Cape Gris Nez	30.08	51	E	4	0	30.11	+05	52	50	-2	NE	2	6	#	61	46	0.32		
	Paris ...	30.08	51	E	4	0	30.11	+05	52	50	-2	NE	2	6	#	61	46	0.32		
	Brest ...	30.05	63	NNE	6	0	30.15	+08	53	50	0	N	4	6	2	68	50	—		
PENINSULA.	Lorient ...	30.05	63	NNE	6	0	30.15	+08	53	50	0	N	4	6	2	68	50	—		
	Rochefort ...	29.96	66	N	4	0	30.06	+09	51	48	-2	N	3	6	#	64	48	—		
	Belfort ...	29.97	55	WNW	4	0	30.10	+04	48	48	+3	E	2	6	#	61	45	—		
	Lyons ...	30.09	49	S	1	0	30.11	+07	49	48	+2	ENE	1	7	#	51	46	0.43		
	Nice ...	30.07	56	E	4	0	30.11	+07	49	48	-3	E	2	7	#	61	46	0.33		
	Perpignan ...	29.99	55	SW	1	0	30.10	+18	53	53	0	NE	2	7	#	62	52	1.38		
	Biarritz ...	29.97	61	WNW	3	0	30.06	+17	57	53	+5	WNW	5	6	2	62	52	—		
	Corunna ...	29.91	62	SE	3	0	29.97	+23	59	57	-1	ENE	3	6	#	64	57	0.04		
	Lisbon ...	29.91	62	SE	3	0	29.97	+23	59	57	-1	ENE	3	6	#	64	57	0.04		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday, 10 May 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

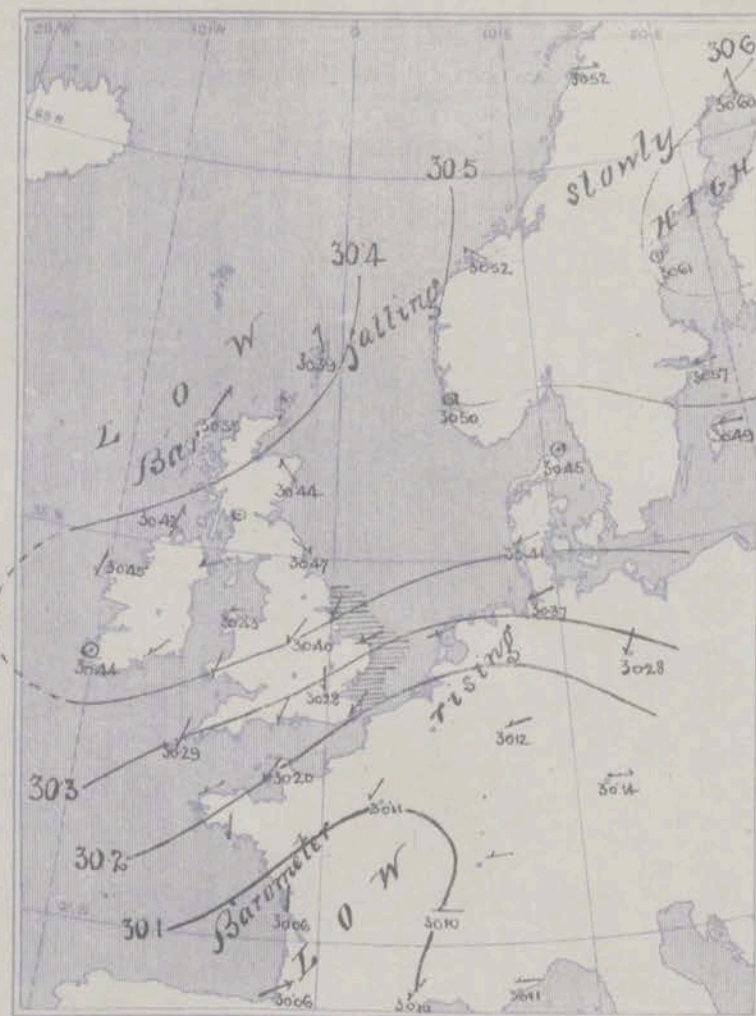
**BAROMETER**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**WIND**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—  
 — forces above 10 — forces 8 to 10;  
 — forces 5 to 7 — forces 1 to 4.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

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

## MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Simlaugh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Ayr	29.983
Mullaghmore	29.989
Donaghadee	29.997
Holyhead	29.999
Liverpool	29.999
Parsonstown	29.999
Valencia	29.999
Rocha's Point	29.999
Pembroke	29.999
Sally	29.999
Pravle Point	29.999
Jersey	29.999
Hurst Castle	29.999
Dover	29.999
LONDON	29.999
Oxford	29.999
Cambridge	29.999
Yarmouth	29.999



## 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 May.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Simlaugh Head	51.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.4	46.4	2.61
Wick	53.9	40.6	48.1	45.0	1.69
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.89
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.0	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Ayr	59.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.1	2.42
Donaghadee	56.0	44.2	49.6	47.3	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.0	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Rocha's Point	58.0	40.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Sally	56.3	48.2	52.7	50.3	1.73
Pravle Point	56.0	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.0	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.0	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.9	50.6	48.1	1.80

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	<p>Highest 30.6 ins. and upwards over the Gulf of Bothnia; 30.2 ins. and upwards in a band stretching southwards across the North Sea and all the more Central and western parts of the United Kingdom.</p> <p>Lowest 30.0 ins. and less in a shallow depression lying over the south of Portugal.</p> <p>Gradients slight. Barometer falling in Scotland, Scandinavia and Denmark, but rising elsewhere.</p>
TEMPERATURE	<p>Highest (1) 61° at Wick, 60° at Hooker Point and 59° at Nairn and Aberdeen; (2) 61° at Brussels, 59° at <sup>Wrocław &amp; Bielefeld</sup> Liège and 57° at <sup>Paris</sup> Lyons.</p> <p>Lowest (1) 41° at Haparanda, 40° at <sup>Stockholm</sup> Stockholm, 46° at <sup>Helsingfors</sup> Helsingfors and 48° at <sup>Oslo</sup> Oslo; (2) 48° at <sup>Leith</sup> Leith and 51° at <sup>Vermouth</sup> Vermouth.</p> <p>During yesterday the thermometer rose to 65° and upwards at most of the English and Irish stations and to 70° in London and at Cambridge.</p>
WIND	<p>North-easterly over the greater part of Western Europe, but Southerly or South-westerly in Scotland and variable over the northern parts of Scandinavia.</p> <p>Light or moderate in force generally, but fresh on the southeast coast of England.</p>
WEATHER	<p>Fine and bright over nearly the whole of Northwestern Europe, but rainy over the southern parts of France and <sup>also at Munich</sup> Munich.</p> <p>Considerable quantities of rain have fallen over the Central and Southern parts of France, and smaller amounts at Munich and Liège, but in all other parts of an area the weather has remained exceedingly dry.</p> <p>A faint Aurora was seen last night at Aberdeen.</p>
SEA	<p>Slight or smooth generally, but rather rough off the east and the southeast of England.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression which is approaching the north of Scotland seems likely to occasion rain in that locality, but in other parts of our islands the weather will probably remain fine and dry for the present.

## FORECASTS

For the 24 hours ending at NOON on 11<sup>th</sup> May, 1893.

### DISTRICTS.

### FORECASTS.

0 SCOTLAND NORTH	SW <sup>ly</sup> winds, light or moderate; fine to dull and some rain.
1 SCOTLAND EAST	S <sup>ly</sup> winds, light; fine, warm.
2 ENGLAND N.E.	Light Variable breezes; fine, warm.
3 ENGLAND EAST	NE <sup>ly</sup> winds, light; fine, warm.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6 SCOTLAND WEST	Same as No 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as Nos 3 to 5.
9 IRELAND NORTH	SW <sup>ly</sup> winds, light or moderate, fine generally.
10 IRELAND SOUTH	Same as No 2.
WARNINGS	NONE ISSUED.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30. 57	50	50	NNW	4	b	2	Valencia ...	30. 57	63	58	NW	4	c	3
Sumburgh Head ...	30. 57	55	51	NNE	2	b	3	Scilly ...	30. 23	58	52	NNE	5	b	3
Stornoway ...	30. 43	53	54	SW	3	c	3	Jersey ...	30. 14	63	57	NNE	5	b	4
Aberdeen ...	30. 51	58	51	SE	2	b	3	Hurst Castle ...	30. 15	64	57	ENE	3	bc	2
Shields ...	30. 49	54	50	N	3	b	3	Dungeness ...	30. 15	60	53	NNE	5	bc	4
Ardrossan ...	30. 42	67	59	NE	3	b	1	North Foreland ...	30. 18	52	50	NNE	5	b	6
Malin Head ...	30. 42	54	51	ESE	4	b	2	London ...	30. 21	60	53	NNE	3	bc	*
Mullaghmore ...								Yarmouth ...	30. 25	53	53	NNE	3	bc	*
Belmullet ...	30. 44	62	54	NW	1	b	*	Rochefort ...	30. 57	74	63	ENE	3	bc	*
Holyhead ...	30. 38	55	52	NNE	3	b	2								

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

Weather in morning still fine and bright over the British Isles, the North Sea, Germany, and the Bay of Biscay, but dull over a great deal of France, and dull and unsettled over the greater part of Southern Europe, rain falling at C. Sicis and also on the northern side of the Black Sea. Considerable falls of rain over the southern and central parts of France later and also over South Germany, weather remaining fine and bright over the British Isles and northwestern Europe, but sky looking unsettled over the southeast of England.

Temperature in morning highest 72° at Aix, 70° at Alpiers, and exceeding 60° on the southern side of the Mediterranean generally; exceeding 50° all over southern and western Europe. Lowest 37° at Archangel, 40° at St. Petersburg, and below 50° over Russia, Finland, and the northern half of Sweden, as well as at Shields and Leith. Rising later to between 65° and 70° over the greater part of England and Ireland, and to 68° at Berlin, Brussels, and Lorient, but not exceeding 62° at Paris, Nice or Perpignan.

Wind very light and anticyclonic over northern Europe, including Scotland and adjacent islands; light to moderate from the NE<sup>2</sup> over the Baltic, fresh from the same quarter over the southern half of the North Sea, the English Channel, and the Bay of Biscay, moderate E<sup>3</sup> on our western coasts; very variable over southeastern and southern Europe and the Mediterranean. Freshening considerably and becoming gusty over London later, and backing to NNE. S<sup>3</sup> airs setting in over the Hebrides.

Barometer highest, 30.7 ins. and more to 30.5 ins. in an anticyclone still lying over Northern Europe and the northern half of the German Ocean. Lowest 29.8 ins. and less, in two depressions — one lying over the Atlantic near Lisbon, the other over the Black Sea and south of Russia; 29.9 ins. and less, in another very shallow system over Tunis and Eastern Algeria. Falling over Scotland, England, France, and Scandinavia 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 11<sup>TH</sup> MAY 1893

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry Bulb.	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 ...	30.45	41	S	2	b	30.36	-24	40	38	-1	SW	2	b	2	45	30	—		
	Hernösand ...	30.54	43	S	2	b	30.40	-21	42	42	+2	S	2	b	2	57	30	—		
	Stockholm ...	30.46	44	NW	2	o	30.36	-21	42	45	+7	NNE	2	b	2	55	34	—		
	Wisby ...	30.59	39	NE	4	o	30.48	-21	46	44	-2	NE	4	b	2	50	36	—		
	Bodö ...	30.38	49	S	0	b	30.04	-48	55	49	+10	SE	2	b	2	57	37	—		
	Christiansund...	30.32	51	NW	2	b	30.12	-40	53	47	+2	NW	2	o	2	57	38	—		
	Skudesnaes ...	30.39	51	NW	2	b	30.22	-18	50	46	0	2	0	o	61	48	—			
	Christiania Fjord (Fjord)	30.38	54	SW	2	b	30.38	-14	51	48	+2	SE	4	b	2	61	48	—		
	Skagen (The Scaw)	30.32	53	E	1	b	30.31	-10	51	48	0	S	2	b	2	72	46	—		
	Fanö ...	30.32	53	E	1	b	30.31	-10	51	48	0	S	2	b	2	72	46	—		
BRITISH ISLANDS.	Sumburgh Head	30.26	51	SE	1	o	30.10	-29	49	49	-6	WNW	2	7	4	56	40	0.07		
	Stornoway ...	30.27	48	SW	6	o	30.16	-19	52	52	-3	W	4	7	4	55	45	0.10		
	Wick ...	30.19	56	S	1	7	30.7	-22	53	53	-6	W	1	o	7	65	51	0.08		
	Nairn ...	30.31	53	W	2	o	30.20	-20	54	54	-2	SW	2	0	1	66	52	0.02		
	Aberdeen ...	30.34	58	SW	3	o	30.22	-22	58	54	-1	W	1	0	2	62	50	0.03		
	Leith ...	30.35	53	2	0	o	30.29	-18	56	52	+8	WNW	2	0	2	61	47	—		
	Shields ...	30.33	52	ENE	1	b	30.33	-14	50	46	-2	SW	1	0	2	59	40	—		
	Spurn Head ...	30.36	52	N	2	bv	30.34	-24	52	51	-2	NW	2	0	3	55	43	—		
	York ...	30.39	62	E	1	b	30.33	-26	58	49	0	W	1	0	2	70	57	—		
	Loughborough	30.36	60	ENE	4	b	30.38	-22	54	48	-1	NW	1	0	2	67	52	—		
GERMANY & HOLLAND.	Ardrossan ...	30.36	53	2	0	om	30.30	-15	52	51	-2	SW	2	0	2	com. m.	57	50	—	
	Malin Head ...	30.39	54	ENE	1	op	30.31	-11	52	52	-6	WNW	2	0	2	com. m.	60	51	—	
	Mullaghmore ...	30.42	55	NNW	2	o	30.38	-27	54	53	-1	W	2	0	2	62	51	0.01		
	Belmullet ...	30.41	58	SE	2	m	30.38	-14	58	55	+4	SW	2	0	1	59	52	—		
	Donaghadee ...	30.41	58	SE	2	m	30.38	-14	58	55	+4	SW	2	0	1	59	52	—		
	Liverpool (Bldston)	30.35	53	NNE	1	b	30.38	-26	50	52	+2	WNW	1	0	2	64	46	—		
	Holyhead ...	30.37	53	NNE	2	b	30.38	-25	50	53	+2	2	0	0	60	48	—			
	Parsonstown ...	30.37	66	2	0	o	30.38	-25	60	58	+4	2	0	0	60	48	—			
	Valencia ...	30.41	60	NW	4	bm	30.42	-21	59	54	0	2	0	bm	1	65	46	—		
	Roche's Point	30.40	53	S	1	o	30.40	-22	58	54	-2	NE	1	0	1	60	52	—		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.31	59	NNE	4	b	30.3	+01	59	53	+5	E	1	0	0	66	51	—		
	Scilly ...	30.30	56	N	4	b	30.32	+23	59	52	+3	NE	1	0	2	com. m.	59	52	—	
	Prawle Point ...	30.25	65	NE	2	b	30.31	+25	59	49	-2	NE	4	bm	3	70	47	—		
	Jersey (St. Aubin's)	30.39	65	NE	4	b	30.26	+26	59	49	0	NNE	4	bm	3	66	51	—		
	Hurst Castle ...	30.24	65	NNE	4	b	30.28	+24	56	50	0	NNE	3	0	2	69	45	—		
	Dungeness ...	30.19	56	ENE	4	b	30.24	+26	59	51	0	NE	4	0	2	64	48	—		
	North Foreland	30.21	51	NE	6	bv	30.27	+27	53	51	0	NE	5	0	5	54	48	—		
	London ...	30.27	63	NE	3	b	30.32	+24	58	49	+2	N	1	0	2	72	44	—		
	Oxford ...	30.24	52	NNE	2	b	30.35	+23	59	50	+2	NE	1	0	2	70	37	—		
	Cambridge ...	30.31	53	NNE	5	b	30.35	+22	54	50	-2	NNW	3	0	2	70	36	—		
PENINSULA.	Yarmouth ...	30.30	53	NNE	5	b	30.32	+23	53	50	+2	NNE	4	0	4	55	46	—		
	Cuxhaven ...	30.29	54	ENE	2	b	30.33	-24	49	48	-2	ENE	2	0	2	61	48	—		
	Berlin ...	30.20	59	N	5	b	30.20	-28	49	45	-6	NNE	2	0	2	70	43	—		
	Wiesbaden ...	30.27	59	2	0	7	30.12	00	61	54	+4	NE	4	0	2	70	52	—		
	Munich ...	30.07	51	2	0	7	30.09	-25	50	48	+1	2	0	0	59	46	0.04			
	The Helder ...	30.30	53	NNE	5	b	30.38	+22	54	49	+2	NE	2	0	2	55	50	—		
	Brussels (a.m.)	30.22	53	2	0	7	30.22	+26	53	48	-6	NE	2	0	2	70	47	—		
	Cape Gris Nez	30.16	53	ENE	5	b	30.19	+26	54	54	-1	ENE	4	0	4	59	48	—		
	Paris ...	30.10	58	N	2	b	30.13	+22	54	50	+2	NNE	3	0	2	66	50	—		
	Brest ...	30.15	63	NE	4	b	30.15	+22	51	48	-2	NE	3	0	2	66	48	—		
PENINSULA.	Lorient ...	30.15	65	NE	5	b	30.20	+25	53	50	0	NNE	5	0	2	66	53	—		
	Rochefort ...	30.05	61	NNW	4	b	30.10	+24	51	4	0	E	2	0	2	60	48	—		
	Belfort ...	30.05	59	NNW	1	o	30.05	+24	52	50	0	ENE	2	0	2	62	48	—		
	Lyons ...	30.05	59	ENE	1	o	30.06	-24	51	49	+3	N	2	0	2	69	48	0.24		
	Nice ...	30.04	59	S	1	o	30.08	-13	60	52	+11	E	1	0	2	69	48	—		
	Perpignan ...	30.05	59	S	1	o	30.03	-27	60	56	+5	W	2	0	2	65	53	0.04		
	Biarritz ...	30.07	62	NNW	3	o	30.08	+22	60	57	+3	NW	2	0	2	68	53	—		
	Corunna ...	30.01	61	SW	3	o	30.05	+20	60	57	+1	NNE	2	0	2	68	57	—		
	Lisbon ...	30.01	61	SW	3	o	30.05	+20	60	57	+1	NNE	2	0	2	68	57	—		

For Explanation of Columns...

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, 14<sup>th</sup> May 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

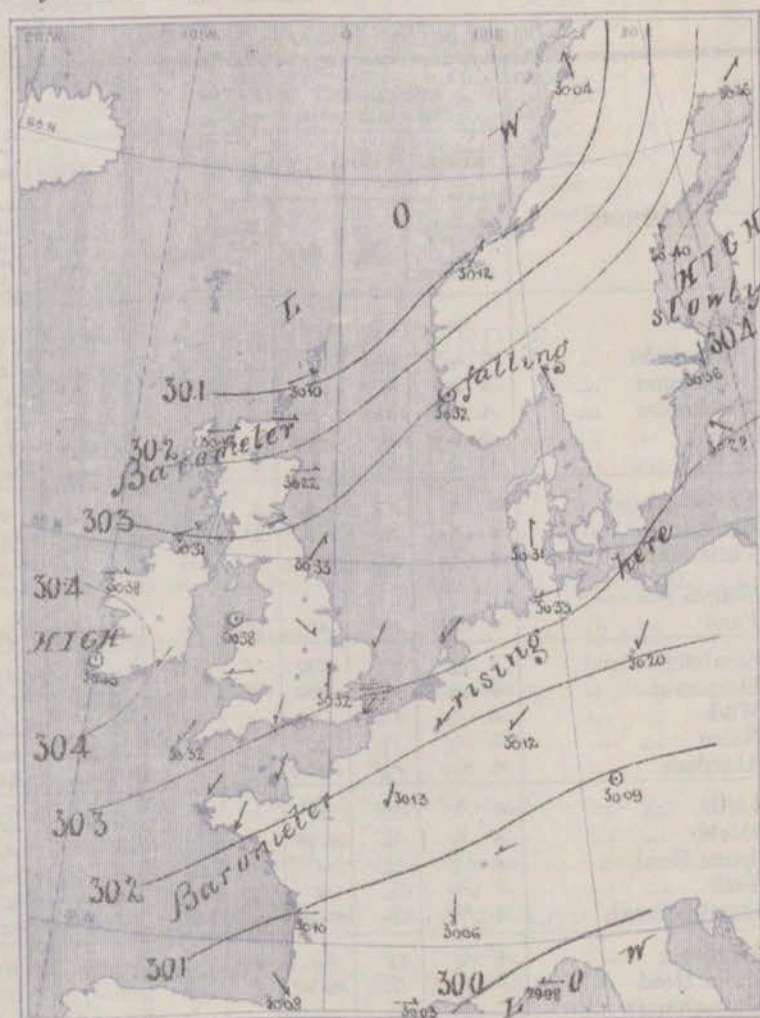
### MEAN HEIGHT OF THE BAROMETER

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

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunbury Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Androsen	29.935
Mullaghmore	29.929
Dunghinore	29.947
Holyhead	29.956
Liverpool	29.961
Parsmouth	29.958
Valencia	29.963
Rochester Point	29.950
Pembroke	29.961
Selly	29.974
Princes Point	29.982
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

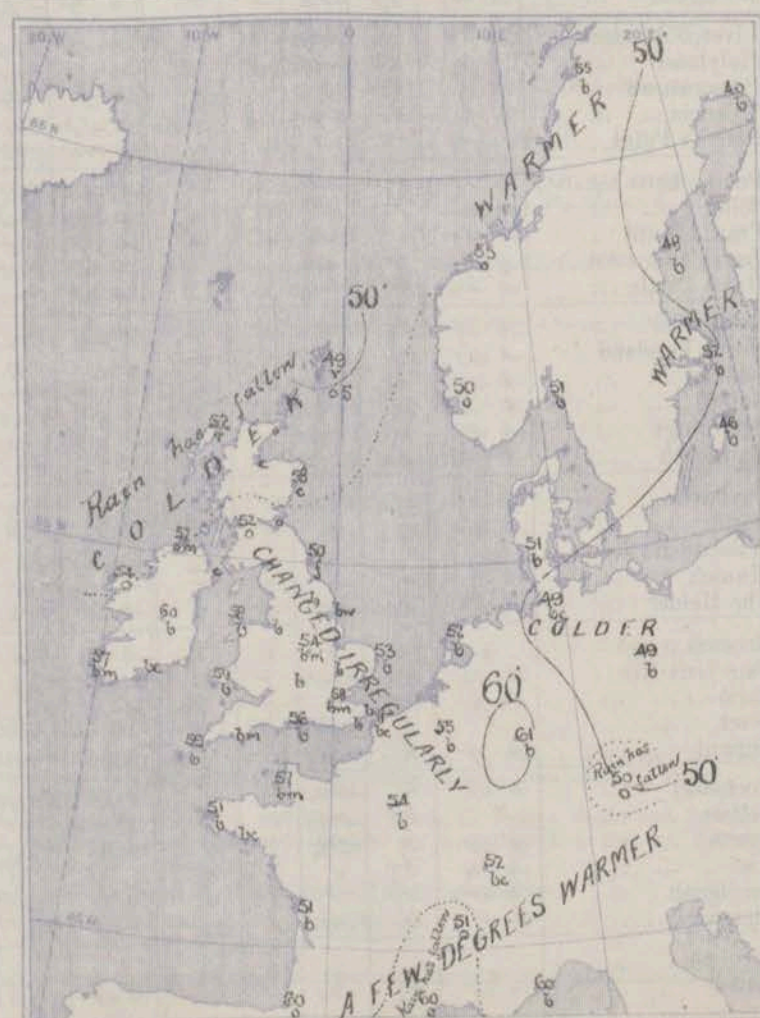
**WEATHER** is shown by letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sunbury Head	51.3	40.2	40.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	53.9	40.6	48.1	45.6	1.69
Nairn	53.3	42.2	48.6	45.4	1.61
Aberdeen	53.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.60
Spurn Head	54.5	45.1	49.3	47.2	1.57
York	59.0	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.69
Androsen	59.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Dunghinore	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.84
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsmouth	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Rochester Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Selly	56.3	48.2	52.7	50.3	1.73
Princes Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	58.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.9	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.6	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.9	50.6	48.1	1.80

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 upwards in the south of Ireland, 30.3 in. and upwards, in a broad band stretching across Ireland, England, the North Sea and Denmark to Sweden, Finland, and the Baltic.  
Lowest, 30.0 in. and less in a shallow depression lying over the Gulf of Genoa, 30.1 in. and less in a large area lying to the northward of our Islands and the westward of Norway.  
Gradients slight. Barometer falling in Scandinavia, Denmark, and the northern parts of the United Kingdom, as well as in the south of France, but rising elsewhere.

## TEMPERATURE

Highest, 61° at Willebadon, and 60° at Liverpool, Bremen, Hamburg, Riga, Papey, and others.  
Lowest, 40° at Haparanda, 46° at Uster, 49° at Edinburgh, Copenhagen, and Berlin, and 50° at Stockholm.  
During yesterday the thermometer rose to between 65° and 70° in many parts of the United Kingdom and to 72° in London.

## WIND

Light from the W<sup>nd</sup> or SW<sup>nd</sup> in the northern parts of our Islands, and from the S<sup>nd</sup> on the eastern shores of the North Sea.  
 NE<sup>ly</sup> over Germany, the Netherlands, the south of our Islands, and the greater part of France, but W<sup>ly</sup> or NW<sup>ly</sup> at some of the southern French stations.

## WEATHER

Dull in the north of our Islands and the west of Norway, with rain in the Shetlands and Hebrides.  
 Fine in most other parts of Western Europe, but dull in the south of France as well as at Munich.  
 Rain has fallen in the north of Scotland, as well as at some of the southern stations in France and Germany, and slight showers in the north of Ireland; elsewhere the weather has remained exceedingly dry. Solar halos were seen yesterday at Aberdeen and Holyhead.

## SEA

Slight or smooth generally, but rather rough at the North Foreland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric fall in the north is apparently spreading southwards, but no immediate change in the weather is likely to take place over England.

## FORECASTS

For the 24 hours ending at NOON on 12<sup>th</sup> May, 1893.

### DISTRICTS.

### FORECASTS.

- |   |                  |  |
|---|------------------|--|
| 0 | SCOTLAND NORTH   | W <sup>nd</sup> and SW <sup>nd</sup> winds, moderate; dull, rain at times. |
| 1 | SCOTLAND EAST    | W <sup>nd</sup> and SW <sup>nd</sup> winds, light; cloudy, local showers.  |
| 2 | ENGLAND N.E.     | SW <sup>nd</sup> winds, light; fine generally.                             |
| 3 | ENGLAND EAST     | } Same as No. 5.   |
| 4 | MIDLAND COUNTIES |  |
| 5 | ENGLAND SOUTH    | NE <sup>nd</sup> winds, light, fine generally.                             |

### DISTRICTS.

### FORECASTS.

- |          |               |   |
|----------|---------------|---|
| 6        | SCOTLAND WEST | Same as No. 1.                          |
| 7        | ENGLAND N.W.  | Same as No. 2.                          |
| 8        | ENGLAND S.W.  | Same as No. 5.                          |
| 9        | IRELAND NORTH | Same as No. 1.                          |
| 10       | IRELAND SOUTH | Light Variable breezes; 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 ...	30.45	61	52	NNW	2	b	1		Valencia ...	30.42	69	53	N	4	b	3
Sumburgh Head ...	30.33	53	52	SW	1	o	3		Scilly ...	30.30	59	52	NNE	5	b	3
Stornoway ...	30.31	50	49	SW	6	7	5		Jersey ...	30.21	65	55	NE	4	b	3
Aberdeen ...	30.27	61	50	S	4	b	3		Hurst Castle ...	30.22	68	53	ENE	3	b	2
Shields ...	30.44	54	50	E	3	b	3		Dungeness ...	30.19	63	56	ENE	4	b	3
Ardrossan ...	30.41	55	52	SW	1	cm	0		North Foreland ...	30.21	53	50	NE	5	b	6
Malin Head ...	30.41	55	53	NNW	2	o	1		London ...	30.24	70	53	NNE	3	b	*
Mullaghmore ...									Yarmouth ...	30.30	54	50	NE	5	b	5
Belmullet ...	30.44	60	54	NNW	2	o	*		Rochefort ...	30.07	67	59	NNW	3	b	*
Holyhead ...	30.41	54	50	NNE	3	b	2									

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

Weather in morning still dull and unsettled over southeastern and southern Europe, with rain in several places, also dull in the Hebrides, but fine and bright over central, western, and northern Europe generally. A little rain over Scotland later, and a considerable fall in the Shetlands. Solar halos seen at Aberdeen and Holyhead. Some rainfall over the southern parts of France and Germany, but conditions elsewhere very fine and dry.

Temperature in morning, highest, exceeding 70° at Sfax only; exceeding 60° over the southern half of the Mediterranean, as well as at Brussels and Wick and exceeding 50° almost all over western and northwestern Europe. Lowest, 30° at Archangel, 40° at Kuopio, 41° at Haparanda and Helsingfors, 45° at Leningrad. Rising later to between 65° and 72° over a great deal of England, France, Belgium and Germany — but succeeding night cold (below 40°) at several of the English inland stations — as low as 32° at Loughborough.

Wind still blowing from the NE<sup>rd</sup> (N to E) over the greater part of Europe, but of less strength over the Channel and North Sea than recently observed. Light to moderate breezes from between S. and SW. appearing on our extreme north and northwest coasts, calms prevailing over many parts of Ireland. No change of importance later.

Barometer highest 30.6 in. and more to 30.3 in. over the northern half of Europe including the British Isles. Lowest 29.9 in. and less, in a small depression over the northern side of the Black Sea, and below 30.0 in. in two others — one over Eastern Algeria, the other off the southwest coast of Portugal. Falling a little in Scotland later, where very slight disturbances appeared, no change in the south.

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Friday, 12<sup>th</sup> May, 1893

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

Issued by the Meteorological Office, 65, Victoria Street, London. R. H. SCOTT, Secretary.																							
YESTERDAY EVENING. (See note at bottom of last page.)										THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
STATIONS.		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.	SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.						
		Reading at 52° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).		Reading at 52° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.			Force (0 to 12).	Max.		Min.					
		Inch.	°				Inch.	°	°	°						°	Inch.						
SCANDINAVIA.	Haparanda ...	30.12	37	SEW	2	b	30.03	-33	40	38	0	SW	4	bc	#	b	45	27					
	Hernösand ...	30.19	46	S	4	bc	30.02	-38	49	43	+1	S	2	bc	#	bc	54	30					
	Stockholm ...	30.25	47	Z	0	b	30.12	-24	59	49	+7	Z	0	b	#	b	64	43					
	Wisby ...	30.24	46	SSW	4	b	30.13	-15	53	49	+7	SSW	2	b	#	b	57	36					
	Bodö ...	29.97	43	SW	4	r	29.84	-20	45	43	-10	Z	0	o	o	r	55	39					
	Christiansund...	30.03	49	SW	2	r	29.86	-26	49	47	-6	SW	4	c	3	r	55	46					
	Skudesnaes ...	30.16	47	SSW	2	r	29.99	-33	49	48	-1	WNW	2	o	3	o.r	52	45					
	Christiania Fjord (Fjorder)	30.19	51	SSW	4	c	30.02	-33	48	47	-3	SSW	6	r	3	c	54	48					
	Skagen (The Scaw)	30.20	52	S	1	c	30.08	-27	50	46	-2	SW	1	o	o	c	63	45					
	Faro ...	30.19	50	WNW	2	b	30.12	-19	51	47	0	Z	0	c	#	b	61	46					
BRITISH ISLANDS.	Sumburgh Head	30.01	49	WSW	3	r	29.91	-19	49	46	0	WSW	1	c	4	r	52	43					
	Stornoway ...	30.09	54	W	4	r	29.97	-19	49	49	-3	Z	0	o	3	r	54	45					
	Wick ...	30.07	55	WNW	1	o	29.98	-19	47	47	-8	SW	1	r	o	o	58	44					
	Nairn ...	30.09	59	SW	3	c	29.97	-23	50	50	-7	Z	0	r	1	c	62	46					
	Aberdeen ...	30.10	63	WNW	4	cq	30.00	-22	53	52	-5	SW	1	or	1	cq	69	52					
	Leith ...	30.20	57	SW	2	c	30.05	-24	53	51	-3	SW	2	r	#	c	64	51					
	Shields ...	30.21	63	WSW	3	c	30.09	-24	57	54	+7	WSW	3	op	2	f.o. c	66	47					
	Spurn Head ...	30.24	57	SSW	3	cv	30.11	-23	57	57	+5	WNW	1	cm	2	cv	57	52					
	York ...	30.24	66	W	2	c	30.13	-24	58	53	+3	W	2	c	#	c	72	51					
	Loughborough	30.26	70	S	1	b	30.17	-21	61	52	+7	WSW	2	cm	#	b	74	47					
BRITISH ISLANDS.	Ardrossan ...	30.24	58	W	3	c	30.08	-22	52	51	0	WSW	3	o	2	q.c	59	49					
	Malin Head ...	30.26	52	W	4	o	30.09	-22	51	51	-1	WSW	5	odp	3	om	57	50					
	Mullaghmore ...																						
	Belmullet ...	30.35	54	WSW	2	o	30.17	-21	53	52	-1	SW	3	o	#	o	59	51					
	Donaghadee ...	30.28	56	W	3	c	30.15	-20	56	54	-2	WNW	4	c	2	c	67	54					
	Liverpool (Bidston)	30.29	59	WNW	1	c	30.18	-20	52	51	-5	W	3	o	3	c	66	52					
	Holyhead ...	30.29	57	SW	3	og	30.19	-19	52	51	-6	WNW	2	ogm	2	b.og	65	49					
	Parsonstown ...	30.33	63	SW	1	bc	30.21	-18	53	51	-7	SW	1	og	#	bc	70	48					
	Valencia ...	30.39	54	WNW	2	o	30.29	-14	52	51	-5	W	1	om	2	bc, o	62	50					
	Roche's Point	30.37	60	SSW	2	bc	30.25	-15	55	52	-3	WNW	1	bc	1	bc	62	51					
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.31	56	W	2	bc	30.22	-15	53	52	-6	W	2	cg	0	bc	60	51					
	Scilly ...	30.22	58	N	2	b	30.26	-06	57	54	-2	WNW	1	b	1	b	62	52					
	Prawle Point ...	30.28	61	SSW	3	b	30.24	-07	61	55	+4	SW	1	bm	0	b	67	53					
	Jersey (St. Aubin's)	30.26	64	NE	4	bm	30.25	-01	64	54	+7	NNE	2	b	2	b, bm	66	44					
	Hurst Castle ...	30.27	62	SW	3	b	30.24	-04	56	52	0	WSW	3	b	1	b	72	52					
	Dungeness ...	30.25	57	ENE	3	bc	30.21	-03	61	51	+4	N	2	bc	1	b, bc	62	40					
	North Foreland	30.26	52	NNE	2	b	30.19	-08	60	51	+7	NW	2	bc	2	b	60	45					
	London ...	30.28	63	E	3	bc	30.21	-11	58	50	0	S	1	c	#	b, bc	71	42					
	Oxford ...	30.27	58	NE	1	bc	30.20	-15	56	51	-1	SSW	1	cm	#	bc	71	47					
	Cambridge ...	30.26	68	E	2	bc	30.17	-18	59	51	+5	S	2	c	#	bc	73	46					
GERMANY & HOLLAND.	Yarmouth ...	30.29	56	NE	2	b	30.16	-16	59	52	+6	WSW	2	b	2	b	59	48					
	Cuxhaven ...	30.25	53	NW	3	b	30.20	-13	54	51	+5	WNW	2	b	#	b	61	49					
	Berlin ...	30.18	52	W	4	b	30.15	-05	46	43	-3	N	3	c	#	b	63	44					
	Wiesbaden ...		#	#	#	#	30.15	+03	59	51	-2	NE	2	bc	#	#	72	52					
	Munich ...	30.09	51	E	2	o	30.09	00	50	47	0	NW	3	b	#	o	59	43					
	The Helder ...	30.30	51	NNE	2	bc	30.22	-13	54	51	0	WSW	1	c	1	bc	57	50					
	Brussels (p.m.)		#	#	#	#	30.21	-01	56	50	+1	NE	2	b	#	b	69	47					
	Cape Gris Nez	30.23	53	ENE	3	b	30.18	-01	54	50	0	NE	2	bc	1	b	59	46					
	Paris ...	30.14	67	NNE	3	b	30.18	+05	52	48	-2	N	2	b	#	b	76	47					
	Brest ...		63	NNE	3	b			53	46	+2	E	1	b	1	b	70	43					
FRANCE AND BELGIUM.	Lorient ...	30.18	66	NE	4	b	30.23	+03	53	47	0	NE	4	b	2	b	70	52					
	Rochefort ...	30.07	73	NE	3	c	30.13	+03	56	53	+5	NE	3	b	#	c	77	50					
	Belfort ...		58	E	4	o			56	52	+4	E	3	b	#	o	66	52					
	Lyons ...	30.04	53	NW	1	r	30.07	+01	54	48	+3	N	3	b	#	r	64	49					
	Nice ...	29.93	57	ENE	2	c	29.88	-10	61	54	+1	Z	0	b	o	c	64	50					
	Perpignan ...	30.01	65	NW	2	o	30.04	+01	63	54	+3	NW	3	b	#	o	72	57					
	Biarritz ...	30.08	63	N	2	bc	30.12	+04	59	56	-1	WSW	4	c	2	bc	68	57					
	Corunna ...		#	#	#	#																	
	Lisbon ...	29.99	61	WNW	3	b	29.94	-11	62	59	+2	NE	4	b	#	b	68	57					
	PENIN- SULA.																						

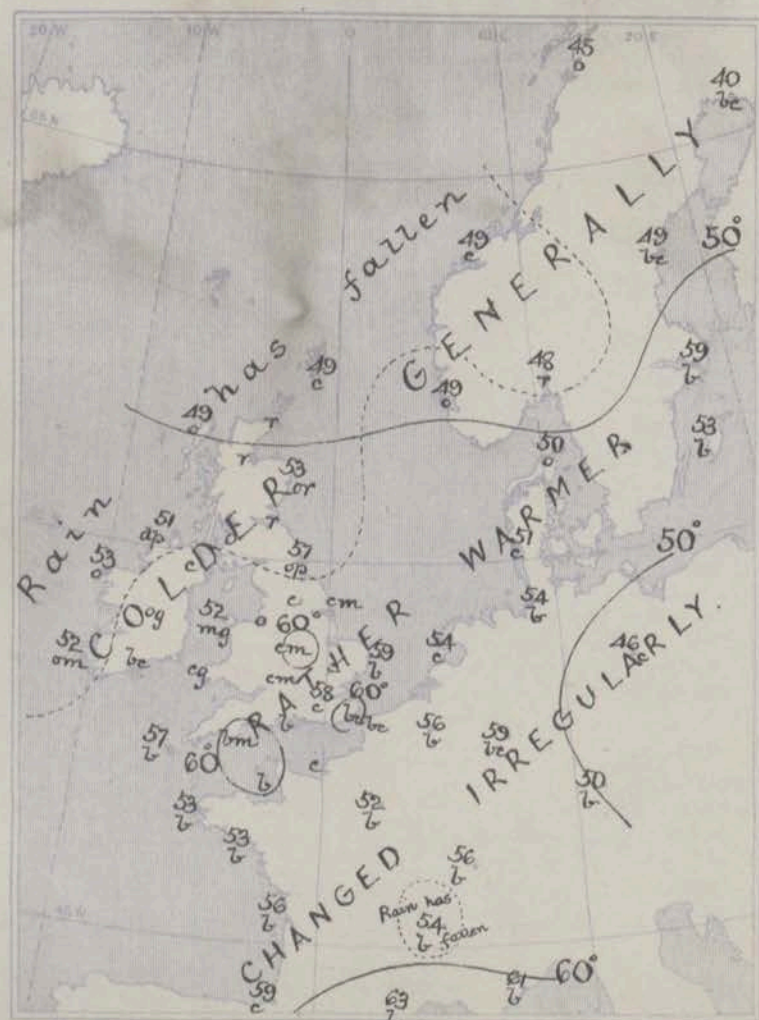
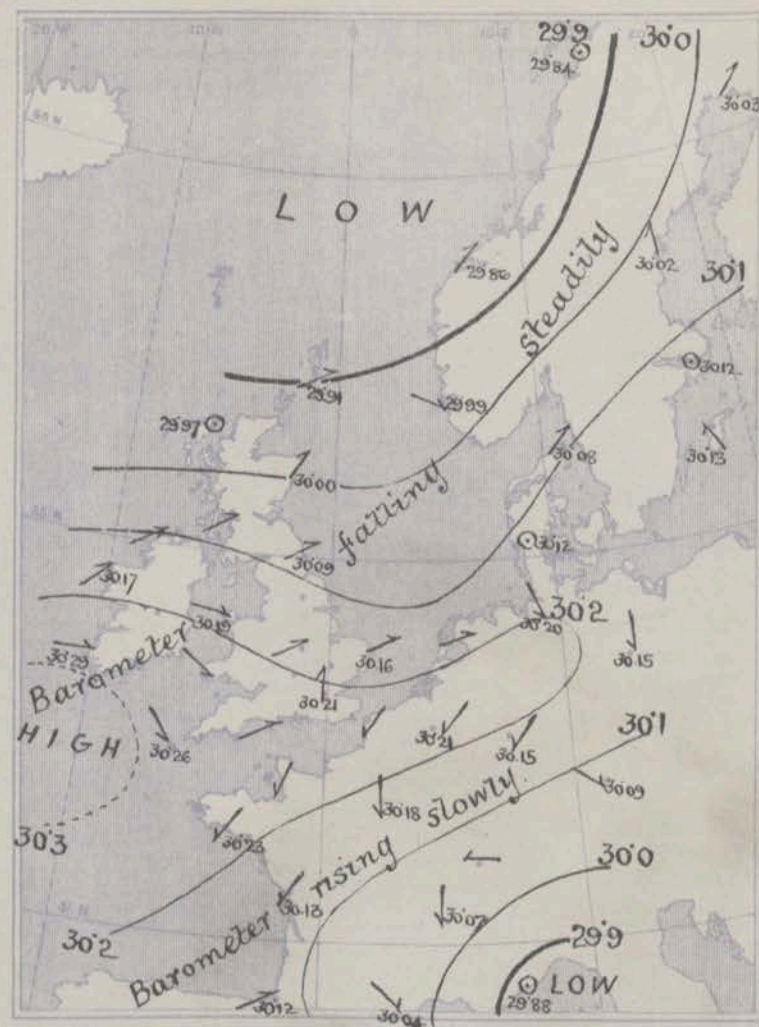
For Explanation of Columns, see bottom of last page.

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



for 8 a.m. on Friday, 12<sup>th</sup> May, 1893.

### MEAN READINGS





# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.2 in: and upwards, in a tapering anticyclonic band extending from the Atlantic across the southern parts of Ireland and England and the north of France to the Netherlands and North Germany.</p> <p>Lowest, 29.9 in: and less, in a large shallow area lying to the northward of our Islands and the westward of Norway, and also in a small depression lying over the Gulf of Genoa.</p> <p>Gradients slight. Barometer falling at all but the French stations.</p>
TEMPERATURE	<p>Highest, 64° at Jersey, 63° at Perpignan, 62° at Lisbon, and 61° at Loughborough, Braut Pt., Lempfers, and Nice.</p> <p>Lowest, (1) 40° at Haparanda, 45° at Umeå, 47° at Norky and 48° at Vaarder; (2) 46° at Berlin, 50° at Munich, and 52° at Paris.</p> <p>During yesterday the thermometer rose to 70° or more at several of our central and southern stations, the highest readings of all being 74° at Loughborough and 73° at Cambridge.</p>
WIND	<p>Light from the W<sup>3</sup> or SW<sup>3</sup> over the greater part of our Islands, and from the SW<sup>2</sup> or S<sup>2</sup> in Scandinavia.</p> <p>Light from the N<sup>2</sup> or NE<sup>2</sup> at most of the French and German stations, but W<sup>1</sup> in the south of France.</p>
WEATHER	<p>Dull in the more northern parts of the United Kingdom, with rain in Scotland, and with passing showers at Shields and Malin H<sup>ts</sup>.</p> <p>Fine in most other parts of Western Europe, but dull at the Norwegian stations, with rain at Vaarder. A solar halo is reported at Oxford.</p> <p>About two tenths of an inch of rain has fallen in the north of Scotland and a few hundredths in the west of Ireland, as well as at Lyons and Lisbon.</p>
SEA	<p>Light or smooth generally.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is spreading gradually southwards, and dull showery weather is likely to extend shortly to nearly all parts of the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 13<sup>th</sup> May, 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW <sup>2</sup> and W <sup>2</sup> winds, light; changeable, rain at times.	6 SCOTLAND WEST	W <sup>2</sup> and SW <sup>2</sup> winds, light; dull, some showers.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	NW <sup>2</sup> to SW <sup>2</sup> winds, light; fine to cloudy and showery.
3 ENGLAND EAST	Same as N <sup>o</sup> 5.	9 IRELAND NORTH	Same as N <sup>o</sup> 6 and 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	SW <sup>2</sup> and W <sup>2</sup> winds, light; fine at first, then becoming dull and showery.	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 ...	30.26	52	47	SSE	2	0	1	Valencia ...	30.41	58	57	WSE	3	6am	4
Sumburgh Head	30.09	50	50	WSE	3	7	4	Scilly ...	30.34	61	54	ESE	2	6	2
Stornoway ...	30.11	54	54	W	4	7	4	Jersey ...	30.27	65	56	NE	4	6	3
Aberdeen ...	30.14	67	56	SW	2	0	1	Hurst Castle	30.29	68	56	ESE	2	6	1
Shields ...	30.28	63	57	WSE	3	0	2	Dungeness...	30.26	61	53	ESE	4	6	3
Ardrossan ...	30.26	58	55	W	3	0	2	North Foreland...	30.28	54	53	NNE	4	6	4
Malin Head ...	30.29	58	52	WSE	4	0	2	London ...	30.28	68	62	N	2	6	*
Mullaghmore ...								Yarmouth ...	30.32	57	54	NNE	3	6	4
Belmullet ...	30.37	59	53	SW	1	0	*	Rochefort ...	30.09	65	60	NW	4	c	*
Holyhead ...	30.35	63	52	SW	2	6	1								

## 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.

\* 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, 13<sup>th</sup> May,

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind. Direc. Force (0 to 12).		Weather.		Barometer. Reading at 32° F. and Sea Level.		Therm. Dry Bulb. Wet Bulb.		Change in dry since Yesterday.	Wind. Direc. Force (0 to 12).		Weather.	Sea (0 to 9).		Therm. Max. Min.		Amount of Rainfall.	
	Inch.	°					Inch.	°	°	°									Inch.	
SCANDINAVIA.	Haparanda ...	29.90	40	S	2	0	29.83	-2.0	38	38	-2	S	2	1	#	0	48	28	0.08	
	Hernösand ...	29.88	50	S	2	0	29.79	-2.3	46	45	-3	NE	2	0	#	0	54	36	0.08	
	Stockholm ...	29.95	53	SW	2	1	29.87	-2.5	51	49	-8	SSW	2	1	#	1	66	37	0.04	
	Wisby ...	30.00	52	S	4	0	29.95	-1.8	51	48	-2	SW	4	0	#	0	66	39		
	Bodo ...	29.72	44	W	2	0	29.75	-0.9	44	40	-1	SW	4	0	2	0	46	37	0.32	
	Christiansund...	29.83	46	WSW	6	1	29.97	+1.1	44	41	-5	W	5	1	4	1	50	39	0.32	
	Skudesnaes ...	29.98	49	WNW	2	0	30.08	+0.9	49	45	0	WNW	4	0	2	0	54	46		
	Christiania Fjord (Fjorder)	29.84	47	SSW	4	1	29.93	-0.9	47	44	-1	W	4	0	2	1	48	41		
	Skagen (The Sea)	29.92	47	W	3	1	29.96	-1.2	50	47	0	NW	3	0	1	1	54	46	0.08	
	Fanø ...	30.00	50	WSW	4	1	30.02	-1.0	50	50	-1	W	4	0	#	1	57	48		
BRITISH ISLANDS.	Sumburgh Head	29.92	48	W	3	0	30.05	+1.4	49	45	0	ESE	1	0	3	0	53	40		
	Stornoway ...	30.08	54	NW	3	0	29.99	+0.2	53	52	+4	SW	5	0	4	0	55	45	0.02	
	Wick ...	29.99	42	NW	2	0	30.07	+0.9	49	47	+2	S	1	0	0	0	54	40	0.03	
	Nairn ...	29.98	51	Z	0	0	30.05	+0.8	55	53	+5	Z	0	0	0	0	55	45	0.15	
	Aberdeen ...	30.00	49	E	1	0	30.11	+1.1	51	48	-2	S	3	0	2	0	58	48	0.21	
	Leith ...	30.00	55	WNW	3	0	30.12	+0.7	60	55	+7	W	2	0	0	0	61	51		
	Shields ...	30.04	59	WSW	3	0	30.15	+0.6	56	53	-1	NW	1	0	2	0	63	49		
	Spurn Head ...	30.05	55	S	2	0	30.15	+0.4	57	56	0	N	3	0	2	0	65	50		
	York ...	30.09	59	W	3	0	30.17	+0.4	57	53	-1	WNW	1	0	0	0	72	47		
	Loughborough	30.11	63	WNW	3	0	30.19	+0.2	59	54	-2	W	1	0	0	0	71	44		
GERMANY & HOLLAND.	Androssan ...	30.04	54	W	3	0	30.12	+0.4	53	52	+1	SE	1	0	1	0	54	47		
	Malin Head ...	30.07	53	WSW	5	0	30.09	-0.0	54	51	+3	S	3	0	2	0	54	51	0.01	
	Mullaghmore ...																			
	Belmullet ...	30.16	55	SW	3	0	30.09	-0.8	54	51	+1	SW	3	0	0	0	55	51		
	Donaghadee ...	30.11	59	NW	3	0	30.17	+0.2	57	53	+1	SSE	4	0	2	0	60	53		
	Liverpool (Bidston)	30.13	56	W	3	0	30.19	+0.1	58	54	+6	W	1	0	2	0	59	50		
	Holyhead ...	30.15	53	SW	2	0	30.18	-0.1	54	53	+2	SSW	1	0	1	0	59	46		
	Parsonstown ...	30.18	57	SE	1	0	30.16	-0.5	55	53	+2	Z	0	0	0	0	60	39		
	Valencia ...	30.22	53	W	1	0	30.15	-1.4	54	52	+2	S	1	0	2	0	55	44		
	Roche's Point	30.18	63	SW	3	0	30.16	-0.9	54	52	-1	SSE	2	0	3	0	65	48		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.17	52	NW	1	0	30.19	-0.3	48	48	-5	SE	1	0	2	0	56	46	0.02	
	Scilly ...	30.20	54	NW	3	0	30.14	-1.2	53	52	-4	E	3	0	1	0	58	51		
	Prawle Point ...	30.15	64	W	3	0	30.17	-0.7	60	56	-1	W	3	0	2	0	67	50		
	Jersey (St. Aubin's)	30.17	63	W	3	0	30.15	-1.0	62	57	-2	WNW	2	0	2	0	66	46		
	Hurst Castle ...	30.12	60	WNW	4	0	30.17	-0.7	60	55	+4	ESE	2	0	0	0	62	50		
	Dungeness ...	30.10	56	WSW	3	0	30.16	-0.5	62	56	+1	Z	0	0	0	0	64	48		
	North Foreland	30.13	64	SW	2	0	30.15	-0.4	56	54	-4	NW	2	0	2	0	67	51		
	London ...	30.10	71	NW	1	0	30.18	-0.3	60	54	+2	NE	1	0	0	0	76	51		
	Oxford ...	30.10	62	NW	1	0	30.18	-0.2	61	56	+5	N	1	0	0	0	75	47		
	Cambridge ...	30.07	68	WNW	2	0	30.19	+0.2	59	55	0	WNW	1	0	0	0	77	47		
PENINSULA.	Yarmouth ...	30.06	60	SE	2	0	30.14	-0.2	58	55	-1	N	3	0	3	0	68	46		
	Cuxhaven ...	30.11	54	NW	2	0	30.10	-1.0	55	53	+1	WNW	3	0	0	0	61	53		
	Berlin ...	30.08	61	W	1	0	30.08	-0.7	56	47	+10	W	3	0	0	0	68	46		
	Wiesbaden ...						30.15	-0.0	52	50	-7	NE	1	0	0	0	66	50	0.04	
	Munich ...	30.13	50	SE	1	0	30.17	+0.8	51	46	+1	W	1	0	0	0	61	39		
	The Helder ...	30.12	53	SW	1	0	30.17	-0.5	55	52	+1	WNW	1	0	1	0	59	50		
	Brussels (9 a.m.)						30.16	-0.5	58	51	+2	WNW	2	0	0	0	70	52		
	Cape Gris Nez	30.16	54	WSW	2	0	30.12	-0.6	55	53	+1	NE	1	0	1	0	61	50		
	Paris ...	30.07	66	N	2	0	30.16	-0.2	57	51	+5	Z	0	0	0	0	72	48		
	Brest ...	?	63	NNE	3	0	?	?	52	46	-1	ENE	1	0	2	0	68	39		
FRANCE AND BELGIUM.	Lorient ...	30.13	68	Z	0	0	30.12	-1.1	55	47	+2	ENE	4	0	2	0	77	50		
	Rocheport ...	30.07	63	NW	3	0	30.07	-0.6	57	52	+1	ESE	3	0	0	0	72	62		
	Belfort ...	?	56	NNE	4	0	?	?	57	50	+1	E	1	0	0	0	67	37		
	Lyons ...	30.01	65	N	2	0	?	?	53	46	-1	N	2	0	0	0	69	49		
	Nice ...	29.86	57	SW	1	0	30.00	+1.2	58	50	-3	E	2	0	0	0	77	52		
	Perpignan ...	29.95	73	NW	3	0	30.06	+0.2	66	57	+3	E	1	0	0	0	75	53	0.39	
	Biarritz ...	30.05	66	W	3	0	30.01	-1.1	59	53	0	ESE	2	0	2	0	70	52		
	Corunna ...						30.06		69	57		NE	1	0	2	0	66	52		
	Lisbon ...	29.88	64	NW	3	0	29.83	-1.1	64	59	+2	SSW	4	0	0	0	73	62		

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

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

— Rough — High

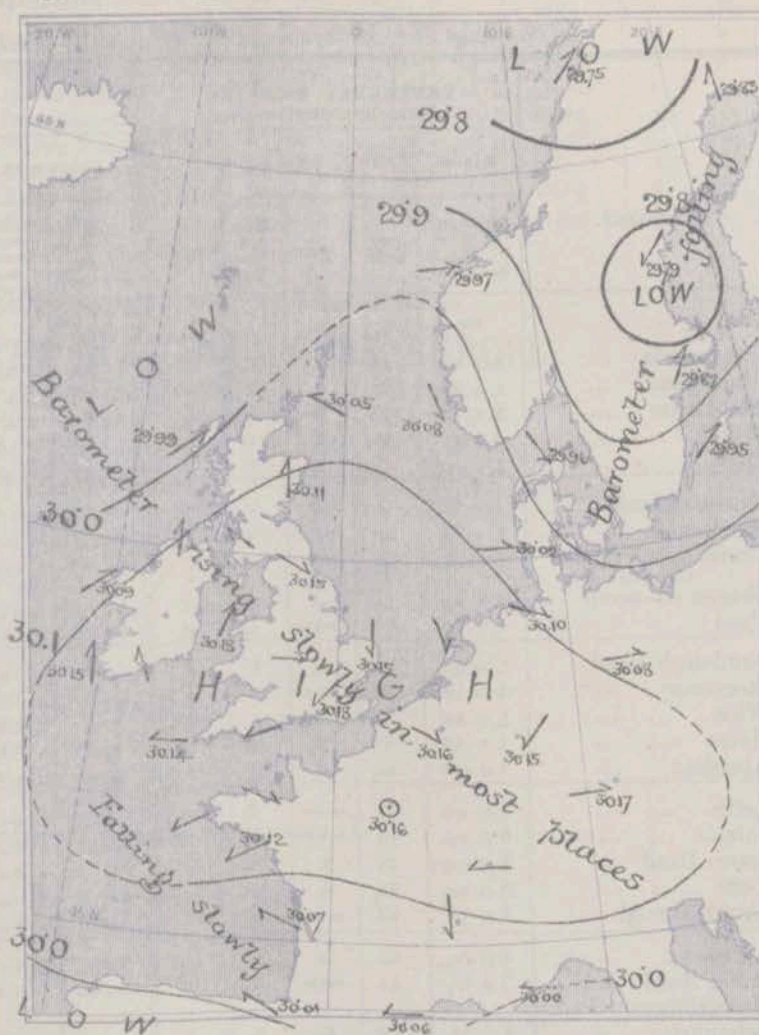
## MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of May  
During the 25 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sundburgh Head	29.879
Sternway	29.880
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.954
York	29.962
Loughborough	29.973
Ardrossan	29.985
Mullaghmore	29.929
Donaghadee	29.947
Ballyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.903
Roche's Point	29.959
Pontreola	29.961
Sally	29.974
Pravle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.970
Yarmouth	29.967



## 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.

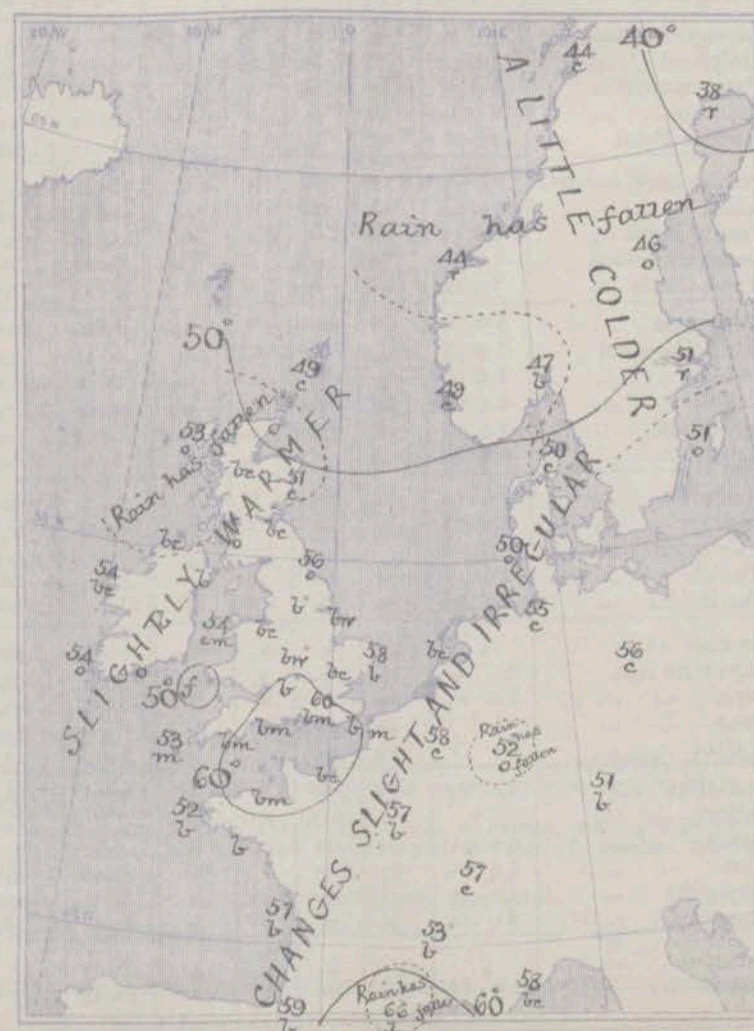
**WEATHER**—is shown by Letters of the Beaufort Scale

**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 May).

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sundburgh Head	50.3	40.2	46.1	44.9	1.72
Sternway	53.3	41.1	48.6	46.4	2.61
Wick	53.9	40.6	48.1	45.6	1.69
Nairn	56.3	42.2	48.6	45.1	1.61
Aberdeen	55.0	41.0	48.9	45.4	1.50
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.60
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Ardrossan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.26
Ballyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.6	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pontreola	58.0	45.9	49.9	47.7	2.03
Sally	56.3	48.2	52.7	50.3	1.78
Pravle Point	56.6	45.3	51.4	48.4	1.56
Jersey	59.4	47.2	53.9	50.5	1.87
Hurst Castle	58.6	46.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.2	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.90
Cambridge	62.0	42.0	51.7	48.3	1.90
Yarmouth	55.4	44.9	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 in. and upwards, in a large anticyclone lying over Ireland, England, the Netherlands, Germany, and the greater part of France.  
Lowest, 29.8 in. and less, in two shallow depressions lying respectively over central Sweden and the north of Norway; 29.9 in. and less in Portugal.  
Gradients slight. Barometer rising in most parts of Great Britain, as well as in Norway, Denmark, and Germany, but falling slightly in most other parts of Western Europe.

## TEMPERATURE

Highest, 66° at Perpignan, 64° at Kew, 62° at Dungeness and Jersey, 61° at Oxford, and 60° in London and at Cherbourg Point and Harst Castle.  
Lowest, (1) 38° at Haparanda, 44° at Börs and Christiansund, 46° at Helsingfors, and 47° at Ruse; (2) 48° at Pembroke.  
During yesterday the thermometer exceeded 70° over the inland parts of England generally, the highest readings of all being 77° at Cambridge and 76° in London.

## WIND

Light or moderate from the S<sup>W</sup> in Ireland and Scotland; N<sup>E</sup> or NW<sup>3</sup> in the east of England and also on the eastern shore of the North Sea; W<sup>3</sup> in Germany; SW<sup>3</sup> over the greater part of Scandinavia.  
Variable over the English Channel; light from the E<sup>3</sup> in the west and south of France.

## WEATHER

Fine in most parts of the United Kingdom, France and Germany, but hazy on our southern coast, and dull in the south of Ireland and the extreme north of Scotland.  
Cloudy or overcast in Scandinavia, with rain at Christiansund and Stockholm.  
Further falls of rain have occurred in the north of Scotland, as well as at many of the Scandinavian stations.  
A solar halo was seen in London yesterday morning.

## SEA

Light or smooth generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands seems to be increasing in height, and fine weather is likely to continue in all but the extreme western and northern districts, where the conditions are being affected by some depressions moving northwards outside the Irish and Scotch coasts.

# FORECASTS

For the 24 hours ending at NOON on 14<sup>th</sup> May, 1893.

## 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> winds, freshening; dull, some rain.  
S<sup>2</sup> and SW<sup>2</sup> winds, moderate; fair generally.  
Light breezes, chiefly NW<sup>3</sup>; fair generally.  
Variable or E<sup>2</sup> airs; fine, warm.

## DISTRICTS.

## FORECASTS.

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

Light breezes, chiefly SE<sup>2</sup>; fair generally.  
E<sup>2</sup> and SE<sup>2</sup> winds, light or moderate; fair generally.  
S<sup>2</sup> winds, moderate or fresh; dull rain locally.

## 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 ...	29.99	54	50	W	2	c	2	Valencia ...	30.26	53	52	WSW	1	o g	2
Sumburgh Head	29.91	51	48	WSTW	3	c	4	Scilly ...	30.24	58	55	W	3	c	1
Stornoway ...	29.97	53	52	W	3	c	3	Jersey ...	30.23	65	52	WSTW	2	b	2
Aberdeen ...	29.98	49	48	W	4	o g q u	3	Hurst Castle	30.36	60	55	SSW	3	b c	1
Shields ...	30.05	62	56	WSTW	3	c	2	Dungeness ...	30.15	62	55	WSTW	3	b c	2
Ardrossan ...	30.05	54	53	W	3	o p	2	North Foreland...	30.09	64	57	S	3	c	3
Malin Head ...	30.06	52	52	WSTW	5	o	3	London (Westminster)	30.11	76	58	WSTW	2	c	#
Mullaghmore ...								Yarmouth ...	30.07	64	58	WSTW	2	b c	2
Belmullet ...	30.17	55	54	WSTW	3	o	#	Rochefort ...	30.13	70	62	WSTW	3	b	#
Holyhead ...	30.18	58	54	SW	2	c	2								

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

Weather in morning still fine and bright over Portugal, France, western Germany, and the southern counties of England, also over Ireland, Sweden, the Baltic, and the greater part of North Germany; very cloudy and unsettled over Norway and the northern parts of our Islands, with rain in several places, and similar conditions prevailing over southeastern Europe generally. Rain later at nearly all the northern stations, and also at Perpignan and Wiesbaden; much wet fog at the mouth of St. George's Channel; a good deal of cloud prevalent over England.

Temperature rising steadily both over England, the Baltic, and northern half of Russia. Morning readings highest 60° to 72° over the Mediterranean and on the Spanish coasts, 53° to 61° over Ireland, England, France, and western Germany. Lowest 40° at Archangel and Haparanda, 43° at Hango, 45° at Riga, 47° at St. Petersburg, Kharlov, Kiev and Vicks. Rising later to between 70° and 77° over many parts of England and France, but failing to reach 60° at the bulk of the Irish and Scotch stations.

Wind (1) mainly W<sup>3</sup> to SW<sup>3</sup> over the British Isles, North Sea, and Scandinavia; (2) NE<sup>3</sup> over France and Spain; (3) SE<sup>3</sup> to S<sup>3</sup> over the Baltic, Ireland, and Sweden; light to moderate in force generally, nearly calm over Scotland. No decided change later.

Barometer highest, 30.2 ins. and more, (1) over the southwestern and southern parts of our Islands, the north of France, and the Netherlands; (2) over the western half of Russia; exceeding 30.1 ins. over the Baltic and north Germany. Lowest 29.9 ins. and less, (1) off the northwest of Norway and the north of the Shetlands; (2) over southern Russia and the Black Sea; (3) over northern Italy, Corsica, and Sardinia; (4) over Malta and adjacent regions to southward thereof; 30.0 ins. and less, over the southwest of Spain and Morocco. Falling a little in most places later, but rising at Stornoway.

### 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> May

1893

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

Issued by the Meteorological Office, 55, Victoria Street, London. R. H. SCOTT, Secretary.																				
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea.	Shade Temp.		Amount of Rainfall.			
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.					
Inch.	°			Inch.	°	°	°									Inch.				
SCANDINAVIA.	Haparanda ...	29.99	36	Z	0	f	29.74	-0.9	41	40	+	3	N	4	r	#	f	41	22	0.10
	Hernösand ...	29.98	44	NW	6	b	30.03	+0.24	45	38	-	1	WNW	8	b	#	b	53	39	0.24
	Stockholm ...	30.02	45	W	2	b	30.07	+0.30	46	38	-	5	W	2	b	#	b	63	45	0.04
	Wisby ...	30.04	44	N	4	b	30.22	+0.27	42	39	-	9	N	4	b	#	b	55	41	0.04
	Bodö ...	29.92	41	SW	4	b	30.00	+0.25	41	39	-	3	ESE	2	r	1	b	45	36	0.04
	Christiansund...	30.15	42	W	4	c	30.04	+0.07	44	41	-	0	ESE	2	o	3	c	45	41	-
	Skudesnaes ...	30.20	45	NW	2	b	30.12	+0.04	48	45	-	1	SSE	6	o	3	b	52	41	-
	Christiania Fjord (Fjord)	30.10	51	W	4	b	30.15	+0.22	48	44	+	1	NNE	2	o	2	b	54	46	-
	Skagen (The Scaw)	30.14	45	Z	0	b	30.18	+0.22	41	46	+	1	WSW	2	bc	1	b	59	41	-
	Fanö ...	30.20	46	NNW	4	b	30.22	+0.20	47	45	-	3	NW	1	b	#	b	61	37	-
BRITISH ISLANDS.	Sumburgh Head	30.01	50	SSE	3	c	29.87	-0.18	50	48	+	1	W	5	c	5	o.c	51	45	0.01
	Stornoway ...	29.91	54	SW	6	o	29.98	-0.01	54	51	+	1	W	4	bc	4	c.o	55	49	-
	Wick ...	29.96	55	S	1	bc	29.01	-0.06	56	50	+	7	WNW	4	b	1	bc	59	47	-
	Nairn ...	29.95	67	WSW	3	b	30.01	-0.04	56	52	+	1	WSW	2	c	1	b	70	46	-
	Aberdeen ...	30.06	54	S	4	b	30.03	-0.08	61	56	+	10	E	1	bc	2	b	62	49	-
	Leith ...	30.06	61	SW	1	b	30.04	-0.08	62	55	+	2	SW	1	c	#	b	62	43	-
	Shields ...	30.12	50	ESE	4	b	30.09	-0.06	53	51	-	3	SSW	1	cm	2	b	58	45	-
	Spurn Head ...	30.17	48	ESE	3	f	30.13	-0.02	48	47	-	9	SE	4	o	3	f	59	46	-
	York ...	30.17	60	E	3	b	30.13	-0.04	53	51	-	4	S	1	o	#	b	72	46	-
	Loughborough	30.12	75	ESE	2	b	30.13	-0.06	51	49	-	8	ESE	2	cmg	#	b	77	45	-
GERMANY & HOLLAND.	Ardrossan ...	30.07	57	WSW	3	b	30.05	-0.07	55	54	+	2	Z	0	cm	0	b	61	49	-
	Malin Head ...	30.04	57	W	2	b	30.05	-0.04	51	50	-	3	E	3	cm	2	b	66	50	-
	Mullaghmore ...	30.07	56	SW	3	b	29.98	-0.11	57	54	+	3	NE	3	bc	#	c.b	?	49	-
	Belmullet ...	30.09	53	SSE	4	bc	30.06	-0.11	52	50	-	5	NE	2	o	0	bc	59	52	-
	Donaghadee ...	30.07	57	WSW	3	b	30.05	-0.07	55	54	+	2	Z	0	cm	0	b	61	49	-
	Liverpool (Bidston)	30.11	62	SE	1	b	30.07	-0.12	59	54	+	1	ESE	3	bc	2	b	73	53	-
	Holyhead ...	30.12	55	NNW	1	bc	30.04	-0.14	62	57	+	8	Z	0	bc	0	f.b	62	52	-
	Parsonstown ...	30.06	68	SE	1	c	29.98	-0.18	62	57	+	7	Z	0	c	#	c	73	59	-
	Valencia ...	30.08	60	SW	1	bc	29.88	-0.27	60	54	+	6	E	4	cm	3	b, bc	64	46	-
	Roche's Point	30.09	55	SSE	3	c	29.92	-0.24	58	54	+	4	ESE	5	bc	4	c	58	50	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.08	63	NW	1	bc	29.97	-0.22	58	54	+	10	ESE	4	c	3	bc	63	47	-
	Scilly ...	30.05	58	ENE	4	c	29.85	-0.29	56	54	+	3	E	5	o	2	bc	62	51	-
	Prawle Point ...	30.09	58	ENE	3	b	29.97	-0.20	53	52	-	7	ENE	4	cm	3	b	63	52	-
	Jersey (St. Aubin's)	30.07	66	NE	4	bc	29.95	-0.20	62	57	+	0	E	3	cm	3	bc	73	56	-
	Hurst Castle ...	30.12	62	SSE	2	m	30.04	-0.13	55	50	-	5	ENE	4	bc	1	b, m	66	53	-
	Dungeness ...	30.14	65	E	4	b	30.06	-0.10	53	52	-	9	E	4	f	4	bc, b	64	49	-
	North Foreland	30.15	54	E	1	b	30.08	-0.07	53	52	-	3	ENE	3	bc	2	b, f	67	46	-
	London ...	30.15	65	ENE	2	b	30.10	-0.08	54	52	-	6	E	2	o	#	b, bc	74	48	-
	Oxford ...	30.12	64	WNW	1	b	30.09	-0.09	53	51	-	8	E	3	bc	#	bc	74	46	-
	Cambridge ...	30.15	68	ENE	3	b	30.12	-0.07	54	51	-	5	ENE	3	c	#	b	74	47	-
PENINSULA.	Yarmouth ...	30.18	52	NE	3	f	30.15	+0.01	51	50	-	7	NE	3	b	3	f	60	46	-
	Cuxhaven ...	30.17	51	N	3	b	30.28	+0.18	51	49	-	4	E	2	b	#	b	56	49	-
	Berlin ...	30.12	62	N	2	c	30.23	+0.15	56	51	-	0	NE	2	c	#	c	68	50	-
	Wiesbaden ...	30.17	55	Z	0	b	30.18	+0.03	57	53	+	5	NE	1	b	#	#	66	46	-
	Munich ...	30.17	55	Z	0	b	30.21	+0.04	57	50	+	6	E	3	b	#	#	64	41	-
	The Helder ...	30.23	53	NE	4	c	30.24	+0.07	54	50	-	1	ESE	1	b	#	c	57	50	-
	Brussels (9 a.m.)	30.02	55	NE	3	b	30.12	-0.04	64	63	+	6	SSE	4	c	#	b	71	48	-
	Cape Gris Nez	30.08	71	NE	2	b	30.06	-0.06	55	55	+	0	E	3	m	3	b	63	48	-
	Paris ...	30.08	71	NE	2	b	30.07	-0.09	59	54	+	2	E	2	b	#	b	71	50	-
	Brest ...	30.08	64	NW	1	o	30.07	-0.09	61	56	+	9	SE	3	o	3	o	51	46	-
FRANCE AND BELGIUM.	Lorient ...	29.97	67	ENE	2	o	29.90	-0.22	61	55	+	6	SSE	4	o	2	o	79	55	-
	Rochefort ...	29.93	77	ESE	4	b	29.91	-0.16	60	55	+	3	SE	4	bc	#	b	90	52	-
	Belfort ...	30.06	66	ESE	3	b	30.09	+0.12	59	54	+	2	E	3	b	#	b	71	50	-
	Lyons ...	30.06	67	N	1	b	30.09	+0.12	65	51	+	6	SE	1	b	#	b	71	48	-
	Nice ...	30.04	66	SW	1	b	30.12	+0.12	65	51	+	7	E	1	b	#	b	72	52	-
	Perpignan ...	30.04	68	SE	1	b	30.04	-0.02	62	54	-	4	NW	1	b	#	b	73	50	-
	Biarritz ...	29.88	78	E	4	c	29.89	-0.12	67	59	+	8	SW	3	bc	2	c	74	53	-
	Corunna ...	29.91	62	S	3	b	29.78	-0.02	62	59	-	2	S	7	bc	2	#	72	54	0.08
	Lisbon ...	29.91	62	S	3	b	29.85	+0.02	62	58	-	2	SSE	5	o	#	b	70	57	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 Sunday, 14<sup>th</sup> May

1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

**BAROMETER**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**WIND**—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—  
 ——— 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.

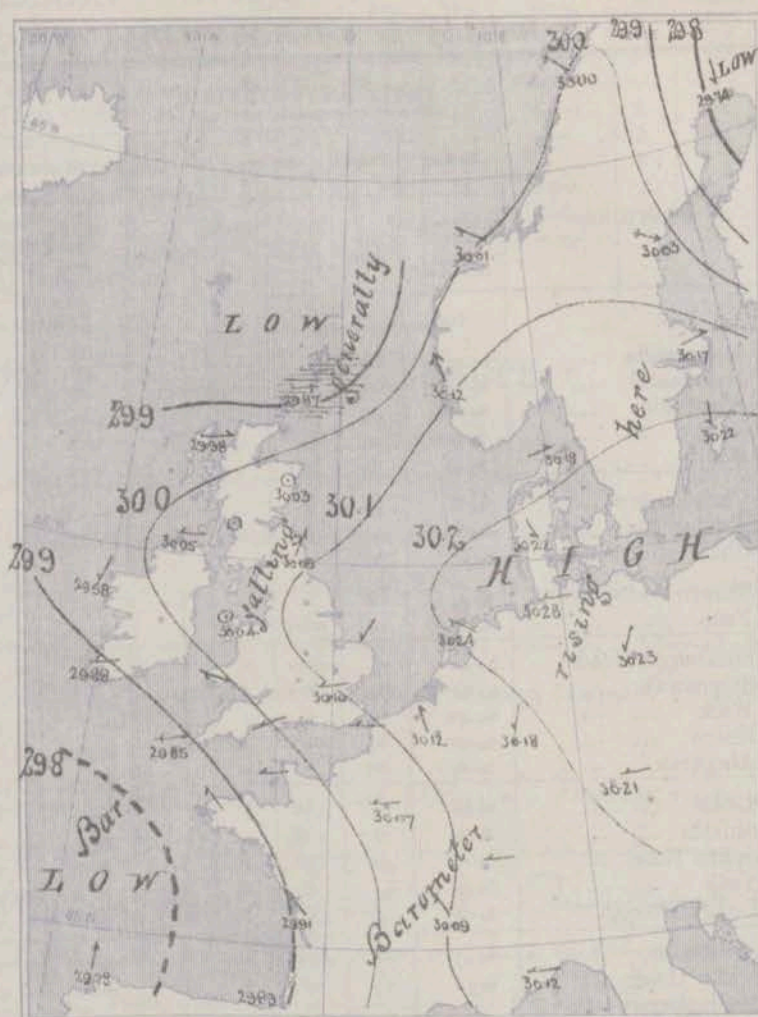
### MEAN HEIGHT OF THE BAROMETER

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

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.870
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.922
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Armagh	29.985
Midlington	29.990
Donaghadee	29.997
Holyhead	29.999
Liverpool	29.991
Parsonstown	29.998
Valencia	29.993
Roche's Point	29.990
Pembroke	29.991
Sally	29.974
Pravle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

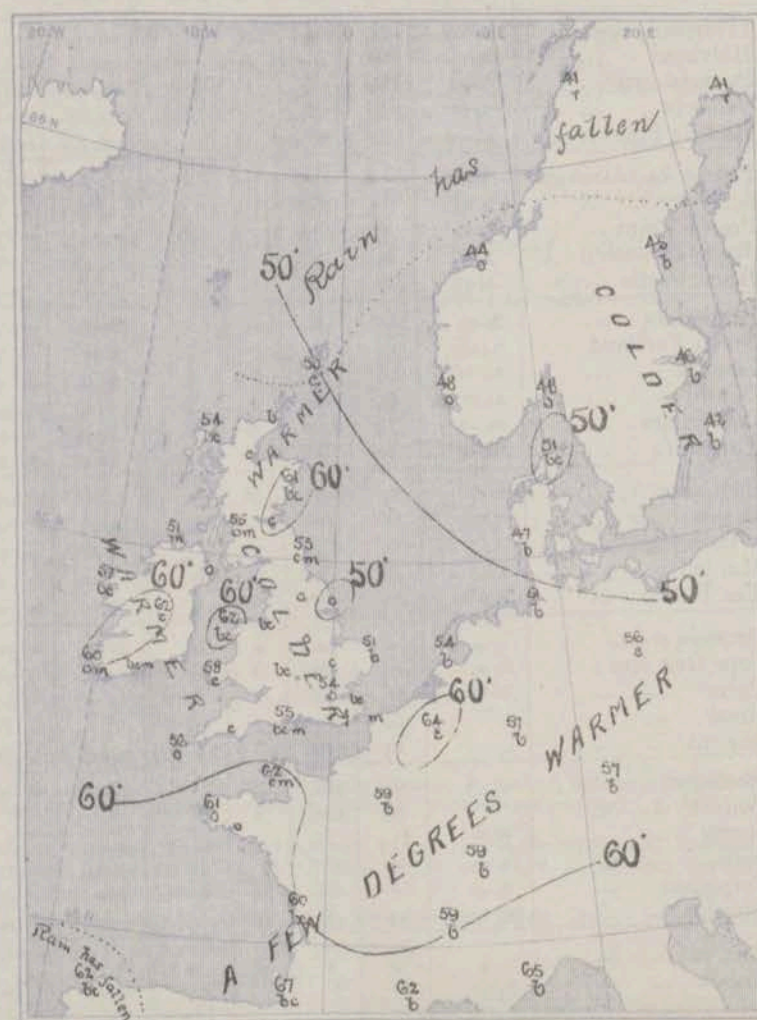
**WEATHER**—is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	53.0	40.6	48.1	45.0	1.09
Nairn	50.3	42.2	48.0	45.4	1.61
Aberdeen	55.0	41.9	48.0	45.4	1.39
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	43.1	49.3	47.2	1.57
York	53.0	42.2	49.8	46.7	1.85
Loughborough	61.2	42.6	51.1	47.7	2.09
Armagh	56.5	43.0	49.3	46.7	2.34
Midlington	56.7	43.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.3	2.26
Holyhead	56.2	45.2	50.3	48.0	1.90
Liverpool	58.0	45.0	50.8	48.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.0	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Sally	56.3	48.2	52.7	50.3	1.73
Pravle Point	56.0	45.0	51.4	49.4	1.56
Jersey	59.4	47.2	53.0	50.5	1.87
Hurst Castle	58.0	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.3	49.3	1.79
LONDON	62.3	44.4	52.3	48.5	4.86
Oxford	60.0	43.4	50.6	47.3	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.0	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 and upwards, over Denmark, Germany, and the southeastern parts of the North Sea.

Lowest, 29.8 in. and less, in a large shallow depression lying to the southward of our islands and over the north of Sweden;

29.9 in. and less, in a disturbance lying to the northward of Scotland.

Gradients slight and rather irregular. Barometers falling at all but the Swedish, Danish, and German stations, rather briskly on our extreme southern coasts.

## TEMPERATURE

Highest (1) 67° at Aina, 65° at Nice, 62° at Jersey and Perpignan and 61° at Cherbourg and Lorient; (2) 62° at Fife, and 61° at Aberdeen.

Lowest, 41° at Haparanda and Doris, 44° at Christianund and Nisky, 46° at Stockholm and 48° at Helsingfors and Trondheim.

During yesterday the thermometer rose to 70° or more in many parts of the United Kingdom, the highest reading of all being 77° at Loughborough.

## WIND

Light to moderate from the E. or SE. over Ireland, England, France, the Netherlands, and Germany.

W. in the north of Scotland, S. or SE. in the east of Norway, and strong in force at Helsingfors.

N. or NW. in Sweden with a gale at Helsingfors.

## WEATHER

Cloudy in many parts of the United Kingdom and also in the east of Norway; rainy in the north of Scandinavia. Fine and light over the greater part of Sweden, Denmark, Germany, France and the Netherlands.

Rain fell yesterday at most of the Swedish stations, and slight amounts in the Fethlands and at Helsingfors, but in all other parts of our area the weather remained exceedingly dry.

## SEA

Moderate to smooth generally but rather rough at Loughborough.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 15<sup>th</sup> May 1893.

### DISTRICTS.

### FORECASTS.

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

*None issued*

### DISTRICTS.

### FORECASTS.

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

*None issued*

### WARNINGS.

*None issued.*

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

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards 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	52	45	NW	6	b	2	Valencia ...	30.11	63	56	SSE	2	b	2
Sumburgh Head ...	30.07	50	49	SE	3	o	3	Scilly ...	30.11	59	56	E	4	b	1
Stornoway ...	29.96	55	53	SW	6	c	5	Jersey ...	30.13	70	60	ESE	3	b	3
Aberdeen ...	30.10	54	51	SSE	3	b	3	Hurst Castle ...	30.16	65	50	SSE	2	b	1
Shields ...	30.18	52	51	ESE	3	b	2	Dungeness ...	30.16	61	60	ESE	4	b	3
Ardrossan ...	30.11	58	55	WNW	3	b	2	North Foreland ...	30.17	58	56	NE	2	b	2
Malin Head ...	30.04	58	54	NW	2	b	2	London ...	30.16	72	59	NNE	2	b	3
Mullaghmore ...								Yarmouth ...	30.18	50	53	NNE	3	b	3
Belmullet ...	30.09	50	53	SW	3	c		Rochefort ...	30.01	86	69	E	5	b	
Holyhead ...	30.16	55	52	NNW	1	b	1								

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

Weather in morning fine generally over the Mediterranean, France, Austria, Germany, and England, and, at most stations in those regions, clear and bright; cloudy or overcast over the northern and southeastern parts of Europe, the southwestern parts of the Peninsula and the south of Ireland, with rain in places. Some rain falling later over Denmark, Sweden, and Finland, and also over the south of Russia and southeastern Europe generally as well as over the southern parts of Spain and Portugal.

Temperature in morning highest 60° to 70° on the shores of the Mediterranean and on the Portuguese coasts; and exceeding 50° except over the most northern countries and at Arkharov. Lowest 38° at Haparanda, 44° to 49° over Lapland and Finland generally, and 43° at Arkharov. Rising later to between 70° and 77° over many parts of Great Britain, to 77° at Paris, 81° at Rost, 84° at Berny, and 85° at Biskra, failing to reach 80° over Italy or Austria, but touching 70° at P. Petersburg.

Wind light to moderate in force generally — chiefly N<sup>W</sup> to E<sup>W</sup> over the southern and western countries, S<sup>W</sup> in Ireland and Scotland, SW<sup>W</sup> to W<sup>W</sup> over Scandinavia, SE<sup>E</sup> over Finland. Locally NE<sup>E</sup> at Haparanda, very variable over Central, eastern, and southeastern Europe. N<sup>W</sup> said becoming stronger over Italy later, the S<sup>W</sup> wind freshening at our northern stations and rising later, and the N<sup>W</sup> wind becoming more general over Sweden.

Barometer highest 30.1 in. and more in a well-marked anticyclone covering Ireland, England, and the greater part of the North Sea, France and Germany — its central part being directly over England. Lowest 29.7 in. over Denmark and in a small depression over the Gulf of Bothnia. 29.9 in. and less, over Southeastern Europe and the adjacent parts of the Mediterranean, and also over the South of Portugal and adjacent parts of the Atlantic. All the systems moving northwards and eastwards later, and pressure going up rather decidedly over the southeast of France.

## General Remarks on the Weather over Europe for 24 hours ended at 8 a.m. on May 12<sup>th</sup> 1893.

Weather in morning still fine and bright over France, England, the greater part of the North Sea, Scandinavia, the Baltic, western, and central Russia; dull over the extreme northwestern countries, with rain in the Netherlands and Prussia, dull over southern and southeastern Europe also, with rain over the southern parts of Russia. Some rain later in both those regions of unsettled weather, but amounts not large, weather continuing fine elsewhere.

Temperature in morning highest 74° at Tunis, and exceeding 60° on the southern coasts of Europe generally, exceeding 50° over western and central Europe. Lowest 40° at Haparanda and Archangel and below 50° over northern, central and southern Russia. Rising later to between 70° and 74° in many parts of our Islands, France, and Spain, to 76° at Paris and Palermo, 77° at Rome and La Calle, to 86° at Tunis and Gaf, and to 93° at Biskra. Successing night milder over our Islands than of late.

Wind light to moderate from the W<sup>W</sup> over the northern parts of our Islands, very light from between SW and S over Scandinavia, light from SE over the Baltic and Finland; E over Germany, NE over the Netherlands, France, and the southern parts of England and the northern parts of Italy, NW<sup>W</sup> to N<sup>W</sup> over Spain and the Mediterranean. The W<sup>W</sup> wind in Scotland and the S over Scandinavia both freshening a little later, no very decided change elsewhere.

Barometer highest 30.5 in. and more to 30.4 in. over Finland and Central Russia, 30.4 in. and more over the southeast of Ireland and adjacent parts of the Atlantic; and exceeding 30.3 in. in a belt stretching from Ireland across England, the North Sea, Denmark, and the south of Sweden to Russia, exceeding 30.1 in. over Asia Minor. Lowest 30.1 in. and less, off the northwest of Norway and north of the Netherlands, and 30.0 in. over the Baltic and Southern Russia. Going up slowly in all districts later, but change not very decided.

### 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, 15<sup>th</sup> May,

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.  Reading at 32° F. and Sea Level.	Temp.  Dry Bulb.	Wind.		Weather.		Barometer.		Shade Temp.			Wind.		Weather.	Sea (0 to 9).		Shade Temp.		Amount of Rainfall.	
			Direc.	Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).				Max.	Min.		
Inch.	°					Inch.	°	°	°									Inch.		
SCANDINAVIA.																				
Haparanda ...	29.83	41	Z	0	c	29.61	-13	41	39	0	N	8	c	#	c	4.3	3.2			
Hernösand ...	29.97	45	S	2	b	29.86	-17	47	41	+2	Z	0	b	#	b	63	3.1			
Stockholm ...	29.97	50	SW	2	0	29.84	-33	51	45	+5	W	2	0	#	0	59	3.0	0.04		
Wisby ...	30.04	49	SW	8	c	29.84	-38	49	47	+7	SW	4	bc	#	c	61	3.0	0.02		
Bodö ...	30.01	40	W	2	0	29.98	-02	35	32	-6	N	6	m	3	0	48	3.2	0.08		
Christiansund...	29.95	46	ENE	3	r	30.16	+12	45	40	+1	W	3	c	3	r	46	1.3	0.43		
Skudesnaes ...	30.05	48	W	1	0	30.07	-05	52	49	+4	N	3	c	2	0	7	1.5			
Christiania Fjord (Farther)	29.93	49	SSW	6	0	29.95	-20	52	47	+4	N	4	b	2	0	52	1.6			
Skagen (The Scaw)	29.99	49	W	3	0	29.94	-24	51	48	0	N	3	b	2	0	55	1.5			
Fanö ...	30.04	45	Z	0	b	29.99	-23	45	47	+1	W	3	c	#	b	59	1.1			
Sumburgh Head	29.95	49	W	4	0	30.11	+24	47	47	-3	Z	0	r	4	0	54	1.0			
Stornoway ...	30.05	55	W	3	bc	30.02	+04	50	47	-4	E	4	bc	4	c, bc	57	1.5			
Wick ...	30.01	53	W	2	c	30.04	+03	47	46	-4	W	1	0	0	c	61	1.3			
Nairn ...	30.03	59	ESE	2	b	30.07	+06	49	47	-7	E	2	0	1	b	64	3.8			
Aberdeen ...	30.05	53	ESE	2	bc	30.11	+08	48	46	-13	ENE	2	0	2	bc	65	4.1			
BRITISH ISLANDS.																				
Leith. ...	29.98	64	E	1	bc	30.07	+03	52	49	-10	ENE	3	c	#	bc	71	4.7			
Shields ...	30.00	56	ESE	3	c	30.05	-04	49	45	-4	W	2	om	2	c	67	1.5			
Spurn Head ...	30.00	51	E	2	c	29.97	-16	55	54	+7	W	3	b	#	c	55	1.7			
York ...	30.01	65	E	1	c	29.99	-14	59	54	+6	N	2	b	#	c	72	1.7			
Loughborough	29.95	68	NE	3	c	29.95	-18	57	53	+6	W	3	cm	#	c	75	1.7			
Ardrossan ...	29.94	68	NE	1	bcm	29.98	-07	54	52	-1	NE	4	cm	2	bcm	68	1.8			
Malin Head ...	29.97	52	ESE	3	0	29.91	-14	52	51	+1	SE	4	om	2	0	55	5.0			
Mullaghmore ...	29.87	65	E	2	b	29.85	-13	62	57	+5	SE	3	b	#	b	67	5.4			
Belmullet ...	29.95	56	NE	2	bc	29.96	-10	56	53	+4	NE	3	m	1	bc	62	3.2			
Donaghadee ...	29.95	56	NE	2	bc	29.96	-10	56	53	+4	NE	3	m	1	bc	62	3.2			
Liverpool (Bldston)	29.93	70	ESE	2	0	29.95	-12	55	53	-4	E	1	r	1	0	70	5.5	0.03		
Holyhead ...	29.91	65	E	3	c	29.91	-13	57	55	-5	E	1	gms	2	c, g	69	5.6	0.04		
Parsonstown ...	29.87	63	Z	0	0	29.89	-09	56	55	-6	Z	0	0	#	0	70	5.1			
Valencia ...	29.77	60	E	5	c	29.83	-05	59	57	-1	SE	3	c	3	c	64	5.6			
Roche's Point	29.84	56	ESE	5	0	29.88	-04	55	54	-3	ESE	4	f	4	om	60	5.7	0.05		
Pembroke (St. Ann's Hd.)	29.88	59	SE	3	0	29.98	+01	60	57	+2	ESE	1	bc	1	0	64	5.8			
Scilly ...	29.83	59	ESE	4	c	29.87	+02	54	54	-2	ESE	1	f	2	c	61	5.3			
Prawle Point ...	29.90	55	ESE	2	cm	29.88	-02	63	58	+10	NE	1	cm	0	c	64	5.2			
Jersey (St. Aubin's)	29.89	66	W	3	ogym	29.89	-06	60	57	-2	Z	0	ogym	0	bc, op	75	5.2	0.02		
Hurst Castle ...	29.89	62	ENE	3	bc	29.85	-19	61	58	+6	W	1	m	0	bc	68	5.5			
Dungeness ...	29.92	63	E	4	c	29.85	-21	60	60	+7	E	3	bc	2	m, c	64	5.3			
North Foreland	29.91	58	E	2	bc	29.87	-31	56	55	+3	NE	2	b	1	bc	59	5.2			
London ...	29.93	67	E	2	b	29.88	-22	66	58	+12	NE	2	bc	#	c	74	5.2			
Oxford ...	29.92	65	SE	2	c	29.91	-18	58	53	+5	NE	1	0	#	c	73	5.2			
Cambridge ...	29.95	72	ENE	1	0	29.92	-20	60	56	+6	N	3	bc	#	0	78	1.5			
Yarmouth ...	30.00	56	ENE	2	b	29.93	-22	55	52	+4	W	3	b	3	b	57	5.0			
GERMANY & HOLLAND.																				
Cuxhaven ...	30.13	56	N	2	b	29.99	-29	56	53	+5	W	2	b	#	b	59	5.1			
Berlin ...	30.13	64	E	1	b	29.95	-28	59	52	+3	S	2	b	#	b	72	5.2			
Wiesbaden ...	*	*	*	*	*	29.97	-21	58	54	+1	Z	0	b	#	#	75	1.6			
Munich ...	30.10	58	E	3	b	30.03	-18	62	53	+5	W	4	b	#	b	70	1.5			
The Helder ...	30.06	56	NE	3	b	29.98	-26	55	53	+1	NE	4	b	3	b	61	5.7			
FRANCE AND BELGIUM.																				
Brussels (D. a.m.)	*	*	*	*	*	29.88	-24	67	56	+3	W	1	bc	#	b	78	5.8			
Cape Gris Nez	29.91	69	ENE	1	bc	29.85	-21	56	55	+1	ENE	1	m	1	bc	70	5.2			
Paris ...	29.91	74	SE	2	b	29.89	-18	60	54	+3	SE	1	0	#	b	80	5.3			
Brest ...	?	61	SSW	2	c	?	?	56	56	-5	ESE	1	m	2	c	68	5.0			
Lorient ...	29.88	62	S	3	0	29.87	-03	55	54	-6	ENE	3	c	2	0	70	5.4			
Rochefort ...	29.88	67	Z	0	bc	29.88	-03	61	60	+1	S	3	0	#	bc	77	5.9	0.20		
Belfort ...	29.88	67	Z	0	bc	29.88	-03	61	60	+1	S	3	0	#	bc	77	5.9			
Lyons ...	29.98	72	SSW	3	b	30.04	-05	59	50	0	SSW	2	0	#	b	77	5.8			
Nice ...	30.09	66	SW	1	b	30.08	-04	62	52	-3	Z	0	c	#	b	73	5.5			
Perpignan ...	29.97	67	SE	2	r	29.98	-06	64	58	+2	NE	1	b	#	r	74	5.3	0.12		
Biarritz ...	29.91	63	W	3	bc	29.92	+03	66	58	-1	S	4	c	2	bc	81	5.9	0.28		
PENINSULA.																				
Corunna ...	29.98	*	*	*	*	30.01	+16	64	59	+2	SSW	4	bc	#	c	66	6.1	0.04		
Lisbon ...	29.98	*	*	*	*	30.01	+16	64	59	+2	SSW	4	bc	#	c	66	6.1	0.04		

For Explanation of Columns, see bottom of last page

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



# WEATHER CHARTS

for 8 a.m. on Monday, 15<sup>th</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

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

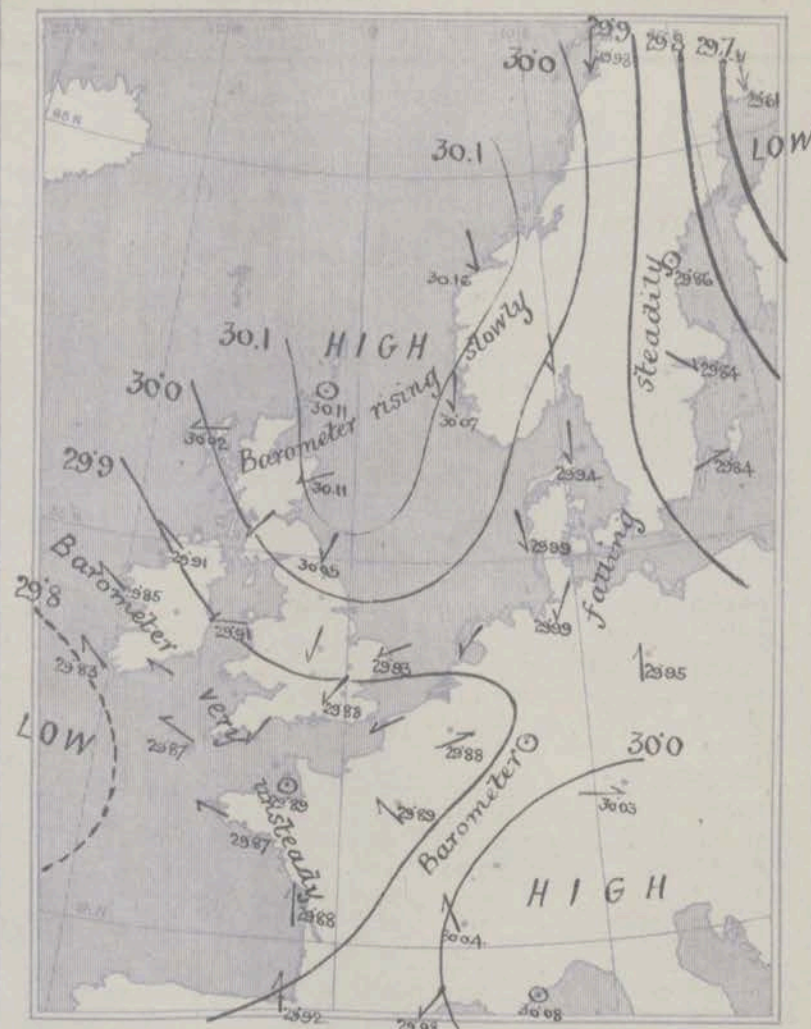
**SEA DISTURBANCE**—Where considerable, is shown thus:

— Rough. — High.

### MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stormway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Ardrossan	29.975
Mullaghmore	29.979
Donaghadee	29.987
Holyhead	29.986
Liverpool	29.991
Parsonstown	29.998
Valencia	29.993
Rochie's Point	29.990
Pembroke	29.991
Sally	29.974
Pravle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.979
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

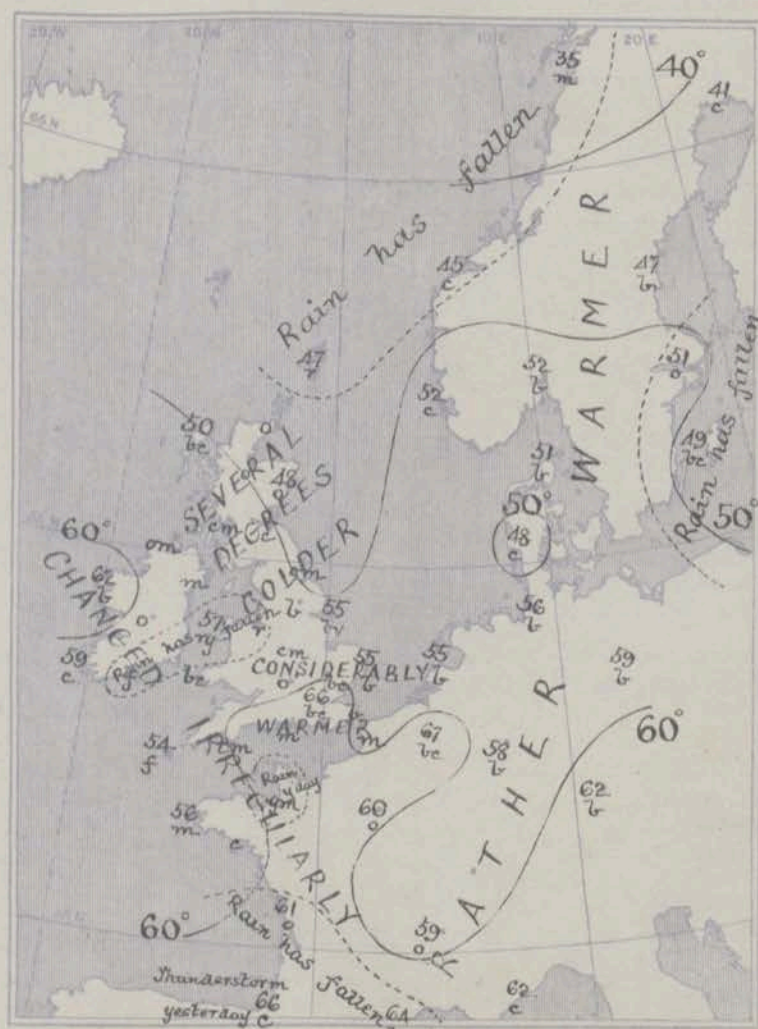
**WEATHER** is shown by letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stormway	53.3	41.1	48.6	46.4	2.61
Wick	53.9	40.6	48.1	45.6	1.09
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.09
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Ardrossan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	48.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Rochie's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.9	45.9	49.9	47.7	2.03
Sally	56.3	48.2	52.7	50.3	1.73
Pravle Point	56.6	45.3	51.4	49.4	1.50
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.9	50.6	48.1	1.86

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 ins. and upwards, in an anticyclone lying over the northern part of the North Sea and the extreme west of Norway;  
30.0 ins. and upwards, over the southern part of France, Spain, and Germany.  
Lowest, 29.7 ins. and less, in the north of Sweden; 29.8 ins. and less, in a shallow depression lying off the southwest of Ireland.  
Gradients slight. Barometer rising a little at most of our northern stations, falling in Denmark and Germany; very  
unevenly over France and the south of England.

## TEMPERATURE

Highest, 67° at Newcastle, 66° in London and at Plymouth, 64° at Perpignan and Lisbon, 63° at Brande Point, and 62° at Munich and Nice.  
Lowest, 35° at Rode, 41° at Haparanda, 45° at Christiansund, 47° at Helsingfors, 48° at Stockholm, and 49° at Aberdeen.  
The highest maxima registered over our islands yesterday were 78° at Lamlash, 75° at Loughborough and Jersey, and 74° in London.

## WIND

Light from the NE<sup>ly</sup> on our east and southeast coasts, and from the E<sup>nd</sup> or SE<sup>nd</sup> in the west of our islands.  
S<sup>ly</sup> or SE<sup>ly</sup> at most of the French stations.  
N<sup>ly</sup> in Scandinavia and Denmark, with a gale at Haparanda.

## WEATHER

Fine in the east and southeast of England, as well as in Sweden, Denmark, Germany, and the Netherlands.  
Cloudy or overcast in most other parts of Western Europe, with fog at Rother and Wexham, and rain at Loughborough, Holyhead and Liverpool.  
Slight amounts of rain have fallen at some of our western and southern stations, and larger quantities in the east and south of France  
with a thunderstorm at Lyons.

## SEA

Moderate off the north of Scotland, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the shallow depression off the southwest of Ireland a subsidiary "hollow" is found over the south of  
England and the west and north of France. The barometer is changing irregularly in the latter regions, and the conditions <sup>apparently</sup> are  
becoming favourable for thundering weather in many of the English districts.

## FORECASTS

For the 24 hours ending at NOON on 16<sup>th</sup> May, 1893.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	E <sup>ly</sup> winds, light or moderate; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Light breezes, chiefly NE <sup>ly</sup> ; close, unsettled, thunderstorms locally.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	E <sup>ly</sup> winds, light; changeable, some showers, thunder locally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	E <sup>ly</sup> and SE <sup>ly</sup> winds, moderate; cloudy, rain locally.
10	IRELAND SOUTH	
WARNINGS		NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.06	48	47	S	6	0	5	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.03	57	52	SW	3	c	3	Jersey ...	29.89	75	64	E NE	3	bc	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	29.97	62	62	E	3	m	2
Ardrossan ...								North Foreland ...	29.98	59	56	E	2	bc	2
Malin Head ...	30.00	53	51	E NE	4	0	2	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.90	63	58	NE	4	b	*	Rocheport ...	29.92	72	62	Z	0	c	*
Holyhead ...	29.94	66	58	E	2	c	2								

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

Weather in morning fine and bright over SE<sup>central</sup> and W<sup>central</sup> Europe generally, dull and rainy in the north, rainy at Skarboe also. Some rain at most of the Scandinavian stations later, and at a few isolated stations in the west and southwest of the British Islands. Still larger falls over the Peninsula and southwest of France and a thunderstorm at Biarritz. Appearance of sky unsettled over the south of England generally.

Temperature showing a further increase over France, Germany, Austria and the south of Russia, as well as in Ireland, Wales and the east of Scotland. Morning readings 71° at Spaa, and exceeding 60° over S<sup>central</sup> Europe generally, as well as in the Netherlands, exceeding 50° except over N<sup>central</sup> Europe. Lowest 38° at Uleaborg 41° at Haparanda and Bodo, 45° at Kuopio, Helsingfors and Riga. Rising during day to between 70° and 78° over the greater part of England and France to 78° at Brussels, 80° at Paris, and 81° at Biarritz - not exceeding 64° at Lisbon.

Wind very light and variable (anticyclonic over E<sup>central</sup> and S<sup>central</sup> Europe); more brisk and cyclonic in the W, NW, and N. - (1) S<sup>central</sup> over Portugal and Spain, SE<sup>central</sup> over the Bay of Biscay, E<sup>central</sup> over the Channel and S<sup>central</sup> parts of the United Kingdom; (2) W<sup>central</sup> in Scotland, S<sup>central</sup> at Skudesnaes, E<sup>central</sup> in the NW of Norway; (3) NW<sup>central</sup> to W<sup>central</sup> over Sweden, W<sup>central</sup> over Finland SE<sup>central</sup> at Archangel. Veering towards W. in the Spanish Peninsula later, little change elsewhere.

Barometer highest 30.2 ins. and more to 30.1 ins. in an anticyclone covering the whole of central Europe. Lowest 29.9 ins. and less over SE<sup>central</sup> Europe; 29.8 ins. and less over the W<sup>central</sup> parts of the Bay of Biscay; 29.9 ins. and less over the Shetlands, and 29.7 ins. and less in a well marked depression over the N. of Finland, falling later except in Scotland and over the Peninsula.

### SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 7<sup>TH</sup> TO 13<sup>TH</sup> MAY 1893.

During the earlier half of the week a large anticyclone embraced the whole of NW<sup>central</sup> Europe, the central portion of the system being located over the northern part of Scandinavia, where the barometer at the commencement of the period stood as high as 30.9 ins. The winds in our Islands were chiefly E<sup>central</sup> (NE. to SE) and the weather remarkably fine and dry, with high maximum temperatures, but with cold nights over the inland districts. Between the 5<sup>th</sup> and 9<sup>th</sup> not a drop of rain fell at any station in the United Kingdom.

On the 10<sup>th</sup> the barometer began to fall in the north, and on the following day a definite though very shallow low pressure system appeared off the north of Scotland and the west of Norway. W<sup>central</sup> breezes now set in over the north of our Islands and spread gradually over the entire Kingdom, but the rainfall due to the disturbance was confined to our extreme northern and a few of our western stations, and was nowhere very heavy.

During the night of the 12<sup>th</sup> the anticyclone which had been gradually reduced in size and forced southwards to our extreme southern and the French coasts, once more reasserted itself and spread northwards over nearly the whole Kingdom. Fine warm weather therefore became general, but at the close of the week the barometer was beginning to fall in most places and there were some indications of the advance of a depression towards our southwest 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 8 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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# DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 16TH MAY.

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.		Force (0 to 12).	Weather.	Barometer.	Shade Temp.		Wind.		Force (0 to 12).	Weather.	Sea (0 to 3).	Shade Temp.		Amount of Rainfall.			
			Reading at 32° F. and Sea Level.	Dry Bulb.				Direc.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.				Direc.	Max.		Min.		
Inch.	°			Inch.	°											Inch.				
SCANDINAVIA.	Haparanda ...	29.53	34	N	6	0	29.53	-26	33	33	-6	NNW	2	0	+	0	46	25	—	
	Hernösand ...	29.94	38	NW	4	0	29.94	+28	41	34	-6	NW	2	0	+	0	59	30	—	
	Stockholm ...	29.90	46	2	0	0	29.92	+18	41	33	-10	N	2	0	+	0	61	39	—	
	Wisby ...	29.91	45	SE	5	0	29.94	+20	41	36	-8	NNE	4	0	+	0	53	41	—	
	Bodö ...	29.77	34	NNW	6	0	29.77	+01	36	32	+1	N	6	0	+	0	56	32	0.04	
	Christiansund...	29.23	40	NE	2	0	29.16	00	41	37	-4	ESE	2	0	2	0	45	35	0.04	
	Skudesnaes ...	29.02	49	NNW	4	0	29.95	-12	51	46	-1	ESE	1	0	1	0	54	43	—	
	Christiania Fjord (Færdar) ...	29.95	52	NNW	6	0	29.94	+09	44	33	-8	NNE	6	0	2	0	59	44	—	
	Skagen (The Sound) Faro ...	29.99	47	2	0	0	29.99	+08	51	46	0	ESE	4	0	1	0	61	46	—	
		29.75	52	ESE	2	0	29.95	-04	52	50	+5	E	1	0	+	0	64	48	—	
BRITISH ISLANDS.	Sumburgh Head ...	29.10	47	ESE	3	0	29.51	-13	45	42	-2	ESE	1	0	4	0	52	42	—	
	Stornoway ...	29.97	56	E	3	0	29.85	-17	52	50	+2	S	2	0	2	0	57	45	—	
	Wick ...	29.07	44	SE	4	0	29.97	-07	47	45	0	S	2	0	1	0	56	43	—	
	Nairn ...	29.55	51	ESE	1	0	29.50	-17	50	49	+1	S	0	0	0	0	52	43	—	
	Aberdeen ...	29.07	40	SE	2	0	29.50	-16	46	44	-2	S	2	0	2	0	52	46	—	
	Leith ...	29.05	49	ESE	3	0	29.51	-16	49	46	-3	E	1	0	+	0	55	45	—	
	Shields ...	29.05	44	ESE	3	0	29.54	-11	47	45	-2	E	2	0	3	0	50	44	—	
	Spurn Head ...	29.98	44	NE	4	0	29.51	-06	48	47	-7	ESE	4	0	4	0	56	45	—	
	York ...	29.05	56	N	2	0	29.53	-06	49	46	-10	E	1	0	+	0	69	46	—	
	Loughborough ...	29.93	60	ESE	3	0	29.50	-05	50	49	-7	E	2	0	sgnd	+	0	69	46	0.01
GERMANY & HOLLAND.	Ardrossan ...	29.95	55	NE	4	0	29.87	-11	48	44	-6	NE	3	0	1	0	58	45	0.12	
	Malin Head ...	29.90	55	ESE	3	0	29.79	-12	52	50	+1	SE	4	0	1	0	56	50	—	
	Mullaghmore ...	29.86	66	NW	2	0	29.76	-09	53	53	-2	E	1	0	+	0	71	52	—	
	Belmullet ...	29.93	53	ESE	3	0	29.86	-10	49	49	-7	ESE	3	0	1	0	59	48	0.17	
	Donaghadee ...	29.93	53	ESE	3	0	29.86	-10	49	49	-7	ESE	3	0	1	0	59	48	—	
	Liverpool (Bliston) ...	29.91	63	E	4	0	29.86	-09	51	47	-4	ESE	2	0	2	0	65	49	0.08	
	Holyhead ...	29.87	60	E	3	0	29.81	-10	50	50	-7	ESE	2	0	2	0	65	50	0.03	
	Parsonstown ...	29.86	65	2	0	0	29.78	-11	55	56	+1	2	0	+	0	72	46	—		
	Valencia ...	29.86	62	SE	3	0	29.71	-12	58	56	-1	E	3	0	3	0	65	54	—	
	Roche's Point ...	29.85	55	SE	2	0	29.76	-12	54	52	-1	ESE	4	0	3	0	60	50	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.) ...	29.87	53	NW	2	0	29.81	-17	52	52	-8	SE	1	0	sgnd	2	0	61	49	0.02
	Scilly ...	29.81	55	NNW	1	0	29.77	-10	53	54	+1	S	4	0	2	0	60	52	—	
	Prawle Point ...	29.85	61	NNW	2	0	29.80	00	53	53	-10	NNW	2	0	1	0	65	52	—	
	Jersey (St. Aubin's) ...	29.84	62	2	0	0	29.86	-03	53	52	-7	SE	2	0	2	0	70	50	0.21	
	Hurst Castle ...	29.86	58	NNW	2	0	29.84	-01	53	56	-2	S	1	0	+	0	60	48	—	
	Dungeness ...	29.86	55	E	2	0	29.85	00	53	53	-2	2	0	0	0	60	50	—		
	North Foreland ...	29.86	55	N	2	0	29.82	-05	53	51	-2	N	1	0	1	0	58	50	0.02	
	London ...	29.86	63	ESE	2	0	29.86	-02	55	55	-9	E	1	0	+	0	77	58	0.01	
	Oxford ...	29.85	62	ESE	1	0	29.86	-05	50	49	-8	NE	1	0	+	0	77	49	0.04	
	Cambridge ...	29.85	65	ESE	2	0	29.88	-04	51	50	-9	ESE	1	0	+	0	80	49	0.03	
PENINSULA.	Yarmouth ...	29.93	54	NE	3	0	29.88	-05	51	50	-4	ESE	4	0	4	0	55	49	—	
	Cuxhaven ...	29.97	55	N	2	0	29.97	-02	56	53	0	E	2	0	+	0	58	53	—	
	Berlin ...	29.89	57	NE	4	0	29.90	00	53	51	0	E	3	0	+	0	58	52	—	
	Wiesbaden ...	29.97	66	SW	3	0	29.91	-06	62	53	+4	SW	1	0	+	0	77	50	—	
	Munich ...	29.97	66	SW	3	0	29.91	-06	62	53	+4	SW	1	0	+	0	77	50	—	
	The Helder ...	29.96	54	NE	5	0	29.90	-08	56	53	+1	ESE	3	0	+	0	59	52	—	
	Brussels (6 a.m.) ...	29.85	62	ESE	1	0	29.85	-03	53	53	-9	NNW	2	0	+	0	62	54	0.08	
	Cape Gris Nez ...	29.84	62	ESE	1	0	29.83	-02	53	54	-1	2	0	0	+	0	70	52	0.08	
	Paris ...	29.84	71	S	2	0	29.90	+01	53	53	-3	SE	2	0	+	0	77	50	0.12	
	Brest ...	29.84	61	N	1	0	29.85	-02	53	56	+4	SE	3	0	+	0	63	50	0.04	
PENINSULA.	Lorient ...	29.84	62	NNW	0	0	29.85	-02	53	56	+4	SE	3	0	2	0	60	54	—	
	Rocheport ...	29.92	64	NNW	4	0	29.87	+01	56	56	-5	ESE	3	0	+	0	68	53	0.04	
	Belfort ...	29.92	65	N	1	0	29.87	+01	56	55	-5	NNW	1	0	+	0	70	48	—	
	Lyons ...	29.97	64	SW	2	0	29.98	-06	62	56	+3	N	1	0	+	0	70	52	0.08	
	Nice ...	29.97	62	N	4	0	29.93	-15	63	54	+1	N	1	0	2	0	70	54	—	
	Perpignan ...	29.97	61	N	2	0	29.98	00	62	58	-2	NNW	2	0	+	0	70	51	0.13	
	Biarritz ...	29.97	61	N	2	0	29.98	00	62	58	-2	NNW	2	0	+	0	70	51	—	
	Corunna ...	29.95	63	SW	3	0	29.84	-17	64	59	0	S	3	0	+	0	68	61	—	
	Lisbon ...	29.95	63	SW	3	0	29.84	-17	64	59	0	S	3	0	+	0	68	61	—	

For Explanation of Columns

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

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

☼ = Rough. ☼ = High.

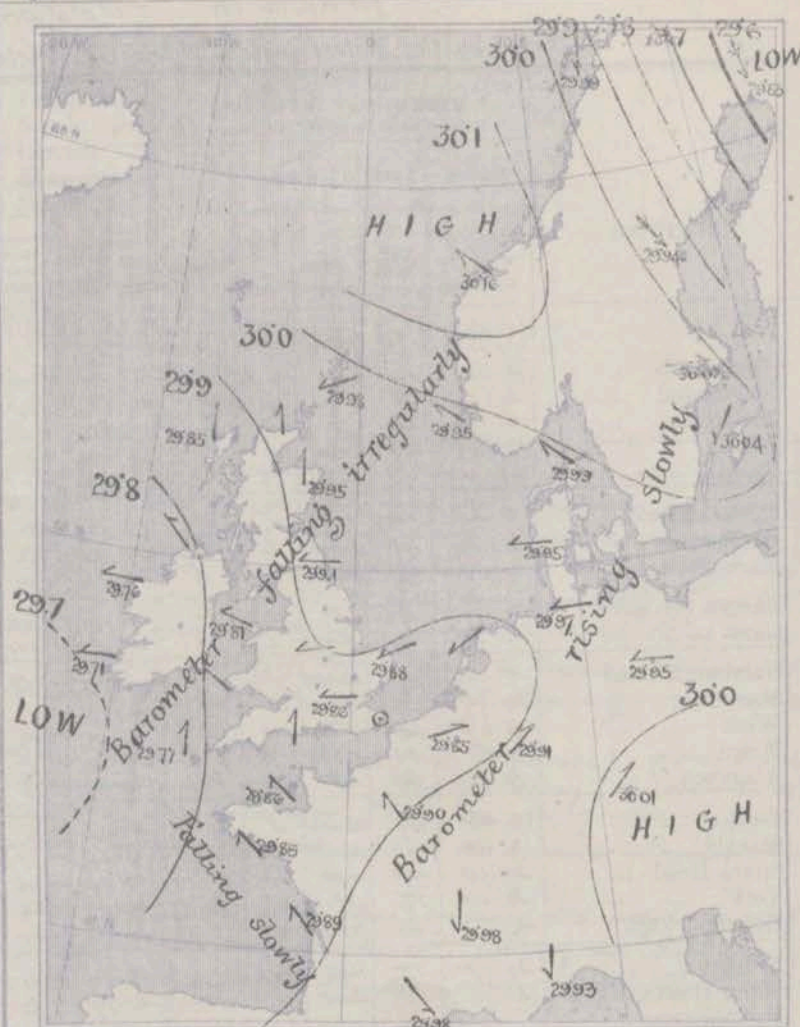
### MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of May  
During the 29 Years 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.870
Stornoway	29.880
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.950
York	29.962
Loughborough	29.978
Artesian	29.985
Mallaghmore	29.990
Dunaglass	29.947
Holyhead	29.950
Liverpool	29.961
Parsanstown	29.958
Valencia	29.963
Roche's Point	29.950
Penberke	29.961
Sally	29.974
Pravle Point	29.982
Jersey	29.980
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Vermouth	29.907



## 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.

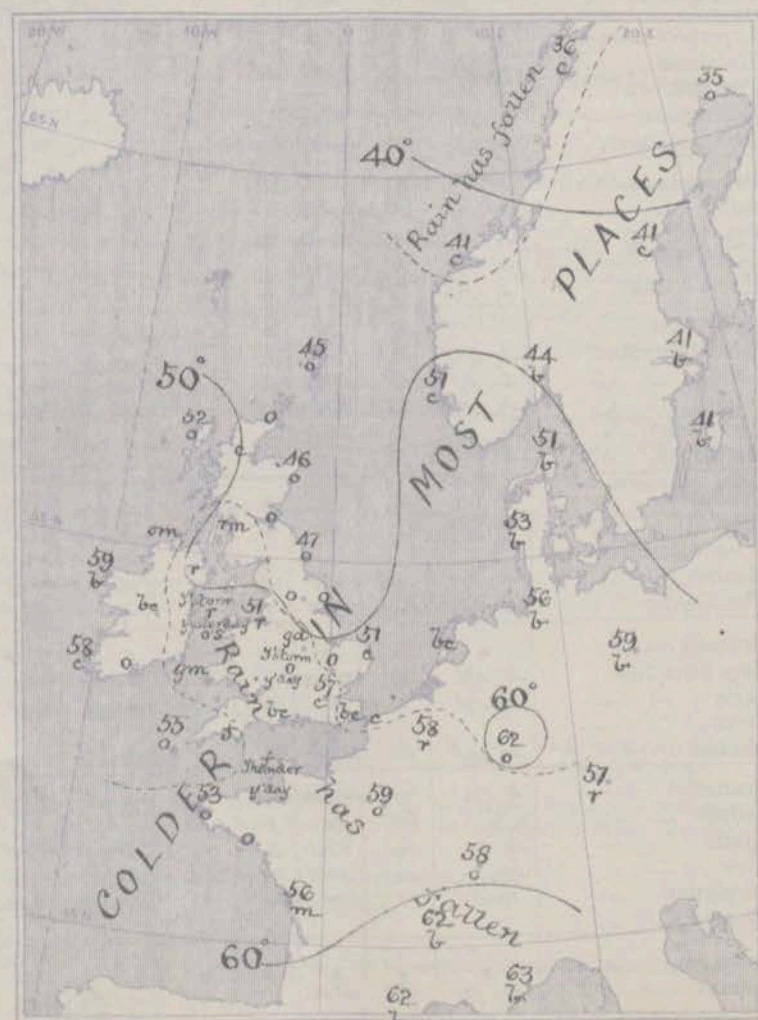
**WEATHER**—is shown by letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 1 p.m.	Wet.	
Sumburgh Head	50.3	40.2	48.4	44.0	1.72
Stornoway	51.3	41.1	48.6	40.4	2.61
Wick	53.9	40.6	48.1	43.6	1.60
Nairn	50.3	42.2	48.9	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.69
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.00
Artesian	56.5	43.9	49.5	46.7	2.34
Mallaghmore	56.7	46.3	50.2	47.4	2.42
Dunaglass	56.0	44.2	49.6	47.3	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsanstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.29
Roche's Point	58.9	46.2	51.7	48.8	3.14
Penberke	55.0	45.9	49.9	47.7	2.93
Sally	56.3	48.2	52.7	50.3	1.73
Pravle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.0	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.3	1.86
Oxford	60.6	43.4	50.6	47.2	1.95
Cambridge	62.0	42.0	51.7	48.3	1.90
Vermouth	55.4	44.0	50.0	48.1	1.86

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, 30.1 ins: and more to 30.0 ins: over Norway and the southern half of Sweden, and exceeding 29.9 ins: over the North Sea, Germany, the West and south of France, and the eastern half of Spain.  
Lowest, 29.6 ins: and less at the northern end of the Gulf of Bothnia, about 29.7 ins: off our southernmost coasts, and below 29.9 ins: over the Channel, the south of England, and the north of France.

## TEMPERATURE

Gradients slight and very irregular over our Islands and France; steep for N. winds, over the north of Sweden.  
Barometer rising a little over France, falling very irregularly elsewhere, most in Portugal.  
Highest, 64° at Lisbon, 63° at Nice, 62° at Perpignan, Lyons, and Wiesbaden, 53° at Saint Peter, 58° at Valencia (Ireland).  
Lowest, 35° at Haparanda, 36° at Riga, 41° at Christiania, and Stockholm, 46° at Aberdeen, 48° at Shetland.  
The maxima recorded yesterday were as high as 82° at Brussels, and 75° to 80° over our southern and south midland countries.

## WIND

N<sup>3</sup>, strong to a gale over the northern parts of Scandinavia, very variable from between S. and E. over the greater part of Ireland, England, and France, but N<sup>3</sup>, light, at Nice, NW<sup>3</sup> at Perpignan, and SW<sup>3</sup> at Munich and Brussels.

## WEATHER

Still fine over Denmark, the south of Sweden, and the south of France, cloudy and changeable elsewhere, with rain in several parts of our Islands. General appearance showerlike and thundery.  
A measurable quantity of rain has fallen in many parts of Ireland, England and France, but in no case is the amount reported large. Thunderstorms have occurred in several places—notably along the Thames Valley. [Newspapers report a thunderstorm with heavy hail at Lancaster]. In Scotland the weather has been dry.

## SEA

Moderate off our northeast and east coasts, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The indications are becoming more of a showery and thundery character, but there is no decided sign of much rain at present.

## FORECASTS

For the 24 hours ending at NOON on 17<sup>th</sup> MAY, 1893.

### DISTRICTS.

### FORECASTS.

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

S<sup>3</sup> and SE<sup>3</sup> breezes; cloudy, close, some showers.  
  
Same as No 5.  
  
Very Variable SE<sup>3</sup> to SW<sup>3</sup> breezes; some rain at times, and possibly thunder locally.

### DISTRICTS.



### FORECASTS.

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

SE<sup>3</sup> and S<sup>3</sup> breezes; changeable, rain at times.  
  
Same as No 5.  
  
Same as Nos 6 and 7.

### 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 ...	30.06	54	49	NW	6	b	2	Valencia ...	35.57	65	61	SE	4	b	3
Sumburgh Head ...	30.16	50	45	ENE	4	o	4	Scilly ...	35.30	60	55	WN	1	m	2
Stornoway ...	30.00	53	50	NE	4	b	4	Jersey ...	35.05	60	55	SE	2	o	2
Aberdeen ...	30.09	49	47	ENE	2	o	2	Hurst Castle ...	35.08	60	56	SE	2	CT	1
Shields ...	30.06	45	44	NE	2	f	2	Dungeness ...	35.08	65	61	WN	1	b	1
Ardrossan ...	29.96	50	50	NE	4	o	2	North Foreland ...	35.07	58	55	NE	2	b	2
Malin Head ...	29.90	53	52	E	4	c	2	London ...	35.08	71	60	E	1	b	*
Mullaghmore ...								Yarmouth ...	35.94	55	55	ENE	4	b	3
Belmullet ...	35.07	71	62	SE	1	b	*	Rochefort ...	35.90	66	64	SW	4	c	*
Holyhead ...	35.81	55	55	E	2	mg	2								

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

Weather cloudy over a considerable portion of the United Kingdom, France, and Spain, with fog on some parts of our southwest coast, and with rain in the northwest of England, as well as at La Mans and Madrid. Fine and bright in the east and southeast of England, as well as over the greater part of northern, eastern, and southern Europe, but rainy at Rango and Riga. Rain falling during day in many parts of England, Ireland, and France, as well as in the southwest of Scotland, with thunderstorms over Wales and the south of England.

Temperature fallen decidedly in Scotland, risen quickly over the eastern and southern parts of England, changed irregularly elsewhere. Morning readings highest (1) 70° at Algiers, 69° at Sfax, and 68° at Barcelona and Oran; (2) 67° at Brussels, 66° in London, 63° at Hawk Point, and 62° at Belmullet; above 55° in nearly all parts of Ireland and England. Lowest 35° at Bodo and Uleaborg, 37° at Rango, and 41° at Haparanda and Kuopio, below 45° over the northern parts of Russia and Scandinavia generally. Rising during day to between 77° and 80° over the southern part of England and also in Germany and the northeast of France; reaching a maximum of 82° at Brussels.

Wind light or moderate from the S<sup>nd</sup> over the greater part of France and Spain; Variable over the English Channel; SE<sup>3</sup> in the west of our Islands and NE<sup>1</sup> in the eastern and southeastern parts of Great Britain. N<sup>1</sup> over Scandinavia, Denmark, and the south of Russia, with a gale at Haparanda. Variable in Germany and Austria. NE<sup>1</sup> in Italy, variable in Algeria. Subsequently veering to the SW<sup>2</sup> or W<sup>2</sup> in the west of France; no important change occurring elsewhere.

Barometer highest 30.1 ins: and upwards in an anticyclone lying over the extreme west of Norway and the northern parts of the North Sea, and also in another system lying over Algeria and the south of Spain. Lowest 29.6 ins: and less in a depression over the extreme north of Russia, 29.8 ins: and less, in a shallow system to the southwards of Ireland; subsidiary "hollow" stretching eastwards across the Channel, the south of England and the north of France. Changes over Western Europe during day very irregular, but small shallow depressions forming over various parts of our western and southern districts.

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

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

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

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

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

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" Weekly " " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

Wednesday, 17 May,

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.		Force (0 to 12).	Weather.	BAROMETER.		SHADE TEMP.			WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).					Max.	Min.	
	Inch.	°					Inch.		°	°										
SCANDINAVIA.	Haparanda ...	29.79	38	N	4	0	29.92	+ .37	32	32	- 3	N	6	0	0	0	0	45	28	
	Hernösand ...	29.99	42	N	4	0	29.99	+ .08	40	34	- 1	NW	4	0	0	0	0	52	30	
	Stockholm ...	29.98	40	SE	2	0	29.95	- .07	46	40	+ 6	Z	0	0	0	0	0	54	?	
	Wishy ...	30.02	39	SSE	3	0	29.95	- .09	48	41	+ 7	S	4	0	0	0	0	54	26	
	Bedö ...	30.02	35	N	2	0	30.03	+ .04	37	32	+ 1	Z	0	0	0	0	0	37	30	0.04
	Christiansund ...	30.04	41	NE	6	0	29.96	- .20	42	36	+ 1	ESE	6	0	0	0	0	45	37	
	Skudesnaes ...	29.91	48	W	1	0	29.82	- .13	50	47	- 1	N	2	0	0	0	0	54	39	
	Christiania Fjord (Fjord)	29.91	50	Z	0	0	29.88	- .16	48	42	+ 4	NNE	4	0	0	0	0	52	44	
	Skagen (The Scaw)	29.87	50	NE	1	0	29.82	- .17	52	50	+ 1	SE	2	0	0	0	0	64	48	
	Fanö ...	29.81	54	Z	0	0	29.74	- .21	50	52	+ 3	SE	2	0	0	0	0	72	52	
BRITISH ISLANDS.	Sumburgh Head	29.84	46	ESE	2	0	29.78	- .20	48	45	+ 3	ESE	1	0	0	0	0	49	43	
	Stornoway ...	29.76	53	E	2	0	29.67	- .18	52	50	0	E	2	0	0	0	0	55	47	
	Wick ...	29.74	48	SE	3	0	29.74	- .23	47	46	0	SE	2	0	0	0	0	51	44	
	Nairn ...	29.76	52	E	1	0	29.71	- .19	50	48	0	Z	0	0	0	0	0	55	44	
	Aberdeen ...	29.84	46	SSE	3	0	29.75	- .20	48	46	+ 2	ESE	2	0	0	0	0	50	45	
	Leith ...	29.79	49	NNE	3	0	29.69	- .22	52	48	+ 3	ESE	3	0	0	0	0	54	45	
	Shields ...	29.74	46	SE	2	0	29.71	- .23	47	46	0	E	2	0	0	0	0	48	45	0.10
	Spurn Head 9.30 a.m.	29.82	46	NE	2	0	29.68	- .23	47	47	- 1	E	2	0	0	0	0	48	44	0.02
	York ...	29.83	50	E	1	0	29.71	- .22	48	46	- 1	SE	1	0	0	0	0	53	44	0.06
	Loughborough	29.80	56	ESE	2	0	29.68	- .22	45	47	- 2	ESE	1	0	0	0	0	57	46	0.01
GERMANY & HOLLAND.	Ardrossan ...	29.75	54	NE	3	0	29.64	- .23	51	50	+ 3	NE	3	0	0	0	0	56	46	
	Malin Head ...	29.68	52	SE	4	0	29.57	- .22	51	50	- 2	SE	5	0	0	0	0	55	50	
	Mallaghmore ...	29.65	58	SW	1	0	29.41	- .35	58	55	- 1	E	2	0	0	0	0	68	55	0.30
	Belmullet ...	29.77	50	ESE	2	0	29.61	- .35	49	49	0	E	4	0	0	0	0	51	48	0.13
	Donaghadee ...	29.76	56	ESE	3	0	29.61	- .25	51	50	0	E	2	0	0	0	0	58	51	0.06
	Liverpool (Bilston)	29.74	57	Z	0	0	29.56	- .25	53	53	+ 3	E	2	0	0	0	0	58	50	0.19
	Holyhead ...	29.67	57	SE	1	0	29.45	- .30	56	55	- 1	SE	1	0	0	0	0	67	53	0.20
	Parsonstown ...	29.56	57	ESE	4	0	29.34	- .37	60	57	+ 2	E	4	0	0	0	0	61	52	0.29
	Valencia ...	29.63	55	SE	5	0	29.41	- .35	56	54	+ 2	SE	5	0	0	0	0	56	52	1.05
	Roche's Point	29.72	54	SE	2	0	29.52	- .29	55	54	+ 3	ESE	4	0	0	0	0	57	52	0.06
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.63	55	ESE	5	0	29.43	- .34	59	57	+ 4	SSE	5	0	0	0	0	54	53	0.02
	Scilly ...	29.73	53	ESE	2	0	29.55	- .33	55	55	+ 2	ESE	2	0	0	0	0	56	51	0.20
	Prawle Point ...	29.74	63	E	2	0	29.59	- .27	58	57	+ 5	SSE	1	0	0	0	0	66	50	
	Jersey (St. Aubin's)	29.79	55	SW	2	0	29.59	- .25	60	57	+ 1	SSE	2	0	0	0	0	68	53	0.02
	Hurst Castle ...	29.77	58	SW	3	0	29.64	- .21	58	57	0	SSE	2	0	0	0	0	62	52	0.01
	Dungeness ...	29.75	64	S	2	0	29.64	- .18	57	55	- 1	S	2	0	0	0	0	64	50	
	North Foreland	29.75	68	S	2	0	29.64	- .22	57	58	0	SW	1	0	0	0	0	71	52	0.06
	London ...	29.76	58	ESE	1	0	29.60	- .26	58	56	+ 8	E	1	0	0	0	0	70	50	0.15
	Oxford ...	29.77	66	NW	1	0	29.66	- .22	57	51	+ 1	NE	1	0	0	0	0	70	44	
	Cambridge ...	29.80	51	NE	2	0	29.70	- .18	50	49	- 1	ESE	2	0	0	0	0	84	47	
PENINSULA.	Yarmouth ...	29.86	62	NE	2	0	29.77	- .20	64	61	+ 8	N	2	0	0	0	0	65	56	
	Cuxhaven ...	29.86	67	SE	3	0	29.74	- .16	62	56	+ 3	SSE	1	0	0	0	0	77	55	
	Berlin ...	29.82	61	SW	4	0	29.82	- .04	60	57	- 2	Z	0	0	0	0	0	70	55	
	Wiesbaden ...	29.93	61	SW	4	0	29.89	- .12	63	55	+ 6	SW	2	0	0	0	0	70	48	0.04
	Munich ...	29.79	59	NNE	1	0	29.76	- .14	57	54	+ 1	SW	1	0	0	0	0	63	50	
	The Helder ...	29.72	57	SW	1	0	29.72	- .13	62	58	+ 4	SE	2	0	0	0	0	75	53	0.04
	Brussels (9 a.m.)	29.78	67	SW	1	0	29.63	- .20	62	57	+ 7	S	1	0	0	0	0	63	54	
	Cape Gris Nez	29.82	67	Z	0	0	29.69	- .21	64	57	+ 5	ESE	2	0	0	0	0	72	55	
	Paris ...	29.71	62	SSE	4	0	29.56	- .29	57	57	- 2	ESE	1	0	0	0	0	72	45	0.59
	Brest ...	29.71	62	SSE	4	0	29.56	- .29	57	57	- 2	ESE	1	0	0	0	0	72	47	0.12
GERMANY & HOLLAND.	Lorient ...	29.76	61	S	1	0	29.62	- .27	63	61	+ 7	SSW	3	0	0	0	0	79	54	
	Rochefort ...	29.76	73	NW	1	0	29.76	- .27	61	56	+ 3	E	1	0	0	0	0	78	46	
	Belfort ...	29.82	72	E	1	0	29.78	- .20	66	56	+ 4	S	4	0	0	0	0	78	57	
	Lyons ...	29.94	60	SW	1	0	29.85	+ .02	58	57	- 5	Z	0	0	0	0	0	70	54	
	Nice ...	29.84	65	NE	3	0	29.80	- .18	64	62	+ 2	E	3	0	0	0	0	72	56	
	Perpignan ...	29.78	71	S	2	0	29.67	- .14	70	58	+ 3	S	6	0	0	0	0	84	50	
	Biarritz ...	29.77	61	SW	6	0	29.83	- .01	62	57	- 2	SW	6	0	0	0	0	64	59	1.06
	Corunna ...	29.77	61	SW	6	0	29.83	- .01	62	57	- 2	SW	6	0	0	0	0	64	59	1.06
	Lisbon ...	29.77	61	SW	6	0	29.83	- .01	62	57	- 2	SW	6	0	0	0	0	64	59	1.06

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ dead calm.

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

☼ = Rough, ☼ = High.

## MEAN HEIGHT OF THE BAROMETER

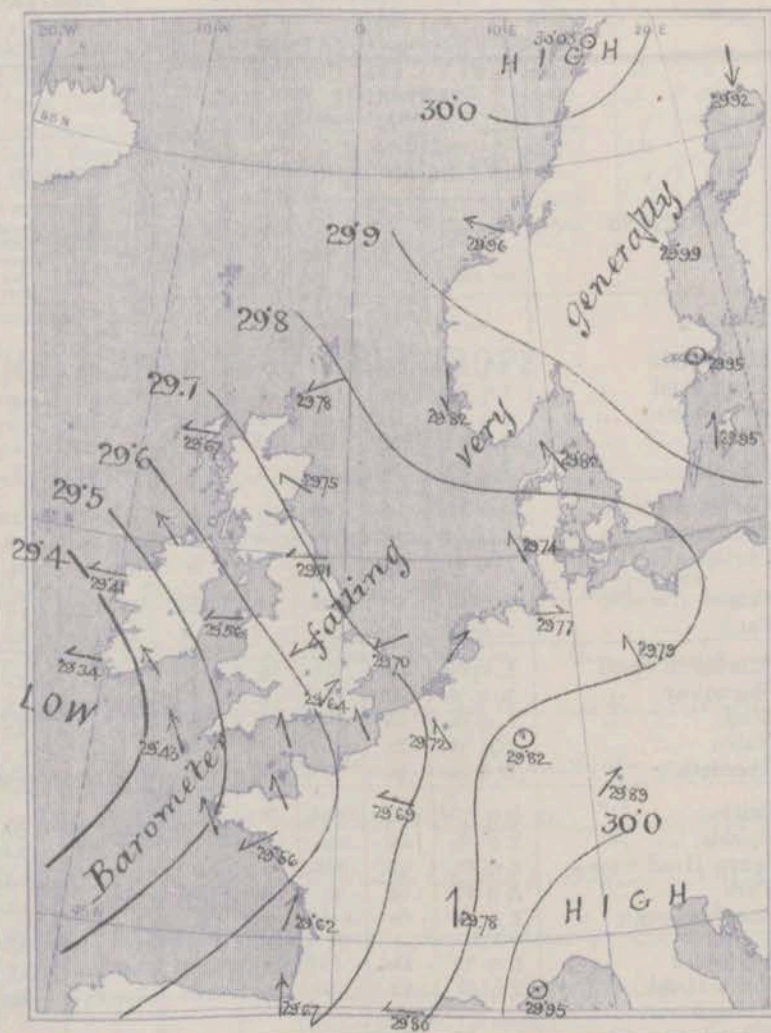
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.870
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Ardrossan	29.935
Mullaghmore	29.929
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsanstown	29.958
Valencia	29.963
Roche's Point	29.959
Pembroke	29.961
Scilly	29.974
Pravle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

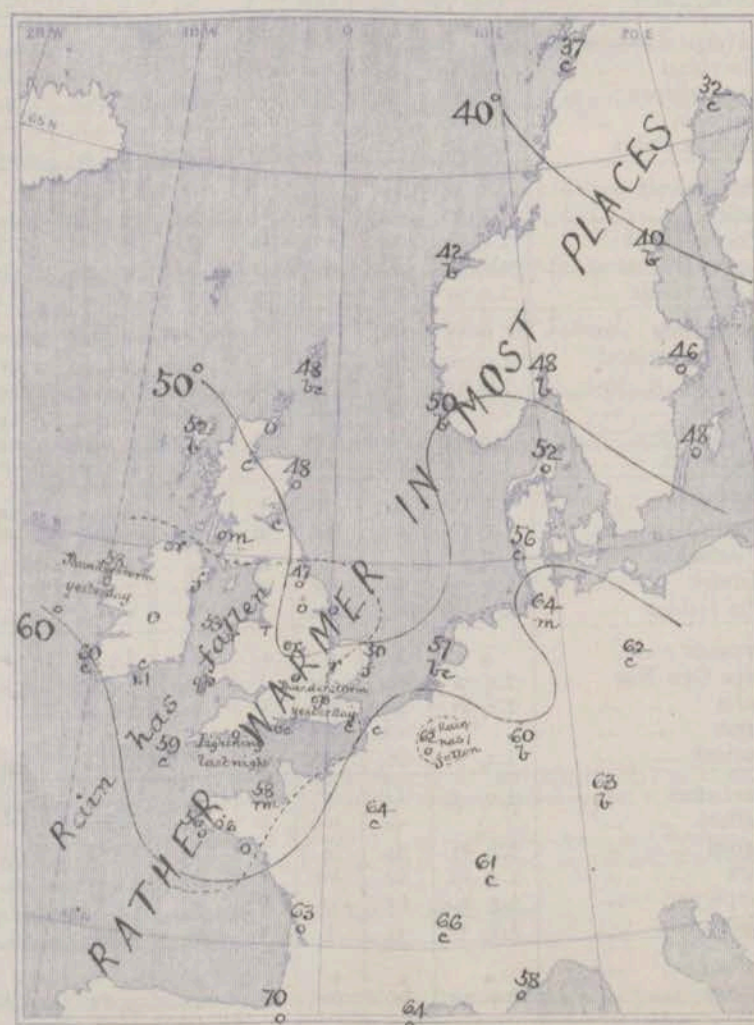
### MEANS OF TEMPERATURE IN SHADE,

### AND RAINFALL.

(For the month of May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m. Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	43.3	41.1	48.6	46.4	2.61
Wick	52.9	40.6	48.1	45.6	1.60
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.6	41.0	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.9	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.0	51.1	47.7	2.00
Ardrossan	56.5	43.9	49.3	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.56
Holyhead	56.2	46.2	50.3	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsanstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.63
Scilly	56.3	48.2	52.7	50.3	1.73
Pravle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	55.0	46.7	52.5	49.8	1.79
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.6	43.4	50.6	47.5	1.91
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.0	50.6	48.1	1.86

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, 30.0 in. and more to 29.8 in. over Scandinavia, the Baltic, and north of Denmark; 29.8 in. and more over the southern half of Spain and the south-east of France.  
 Lowest, 29.4 in. and less, over the west and south-west of Ireland and the adjacent parts of the Atlantic; 29.4 in. over the south of England.  
 Gradients moderate for S.E. winds over our Islands, slight for S.W. winds over the Bay of Biscay and Spain.  
 Barometer falling generally - most in Ireland.

## TEMPERATURE

Highest, 70° at Biarritz, 60° to 66° at most of the other French stations, 60° at Valencia and Hurst Castle, 57° in London.  
 Lowest, 32° at Haparanda, 37° at Åbo, 41° to 48° along our northern coasts.  
 The maxima recorded yesterday varied from 70° to 84° over France, 77° at Berlin, 70° to 71° over the south midland parts of England. In Ireland and Scotland they were much lower.

## WIND

Extremely variable over Scandinavia - Chiefly S.E. over our Islands, but varying locally - S. over France, S.W. at Lisbon.  
 It is somewhat strong at a few of the western stations.  
 It blew with the force of a gale from S.E. at Rock Point last night.

## WEATHER

Clear and bright over Scandinavia, dull over Scotland, cloudy and showery over Ireland, England, the Channel and north of France.  
 The rainfall of the preceding twenty-four hours amounted to 1.1 in. at Rock P., 0.6 in. at Port, and 0.4 in. at Rock Point; elsewhere it was slighter, and in London the fall varied a good deal locally, but was not large.

## SEA

Moderate on our southern coasts and off Ulster, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The tendency for the showers to prevail more generally and to be heavier is increasing.

# FORECASTS

For the 24 hours ending at NOON on 18<sup>th</sup> May

1893.

## DISTRICTS.

## FORECASTS.

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

E<sup>2</sup> and S.E.<sup>2</sup> winds; fair to showery.

E<sup>2</sup> to S<sup>2</sup> winds; close, some rain at times, some thunder locally.

Same as N° 5.

Same as N° 2.

S.E.<sup>2</sup> to S<sup>2</sup> winds, close, some rain occasionally, thunder locally.

## DISTRICTS.

## FORECASTS.

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

Same as N° 0 and 1.

S<sup>2</sup> and S.W.<sup>2</sup> winds; changeable, showery, thunder locally.

S.E.<sup>2</sup> and S<sup>2</sup> winds; rain at times.

## WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.98	54	48	SSW	2	c	2	Valencia ...	29.64	59	57	E	4	o.g.p	5
Samburgh Head ...	29.93	47	43	ESE	2	c	4	Scilly ...	29.70	56	55	ESE	5	o	3
Stornoway ...	29.61	56	53	E	2	o	2	Jersey ...	29.82	61	59	ESE	2	o	2
Aberdeen ...	29.85	49	46	SSE	3	o	3	Hurst Castle ...	29.83	57	55	SSW	2	f	0
Shields ...	29.89	48	46	E	2	o	3	Dungeness ...	29.81	61	58	SW	3	m	2
Ardrossan ...	29.77	50	53	NE	3	o	1	North Foreland ...	29.79	59	56	SE	2	bc	2
Malin Head ...	29.74	54	50	SE	5	o	2	London (Westminster) ...	29.79	66	60	SSW	2	o.p	3
Mullaghmore ...	29.69	65	60	E	2	bc	0	Yarmouth ...	29.84	54	52	ESE	3	c	3
Belmullet ...	29.69	65	60	E	2	bc	0	Rochefort ...	29.81	76	67	SSE	3	c	0
Holyhead ...	29.79	57	55	Z	0	o.g	0								

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

Weather cloudy and unsettled over the United Kingdom, Belgium, the west and north of France, and the greater part of the Spanish Peninsula; rain falling in several parts of our Islands and also at Brussels. Fair in Scandinavia, Denmark, Germany, and Austria, but dull over the northern and central parts of Russia, with snow at Uleaborg. Rain falling later at most of the English and Irish stations, with thunderstorms in many places; amount large (1.1 ins.) at Rochefort and also at Lisbon.

Temperature fallen over northern and northwestern Europe, risen in Austria, changed irregularly elsewhere. Morning readings highest 71° at Oran, 70° at Algiers, and 68° at Trieste and Spas, above 60° over the Mediterranean and Adriatic generally, as well as on the coast of the Spanish Peninsula. Lowest 33° at Uleaborg, 35° at Haparanda and Kuopio, 36° at Helsingfors and 37° at Hongkō; below 40° over the northern parts of Sweden and Russia generally.

Daily maximum below 50° on the northeast coast of England, but thermometer rising to 70° at Oxford and Cambridge, and to 71° in London. Exceeding 75° at several of the French stations, and reaching 84° at Biarritz.

Wind light to moderate from the S<sup>W</sup> or SE<sup>W</sup> in Spain and France, and from between S and E over the United Kingdom and the eastern shores of the North Sea. NW<sup>W</sup> over Sweden and northern Russia, with a gale in the Gulf of Bothnia. Light and variable in Poland and Austria; N<sup>W</sup> or NW<sup>W</sup> in Italy. No important change occurring over Western Europe during day.

Barometer highest 30.1 ins. and upwards, in an anticyclone lying off the west of Norway, 30.0 ins. and upwards over Algeria, the southeast of Spain and the western parts of the Mediterranean. Lowest 29.5 ins. and less, in a large depression lying over northern Russia; 29.7 ins. and less, in a shallow disturbance lying off the southwest of Ireland; a subsidiary "hollow" extending eastwards from the latter system as far as the southeast of England and the Netherlands. General fall of barometer taking place over Western Europe during day and depression in southwest becoming rather more pronounced.

### 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 Thursday, 18<sup>th</sup> May, 1893

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.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.				
	Reading at 32° F. and Sea Level.	Dry Bulb.	Wet Bulb.	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.		

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

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

▨ = Rough. ▨ = High.

### MEAN HEIGHT OF THE BAROMETER

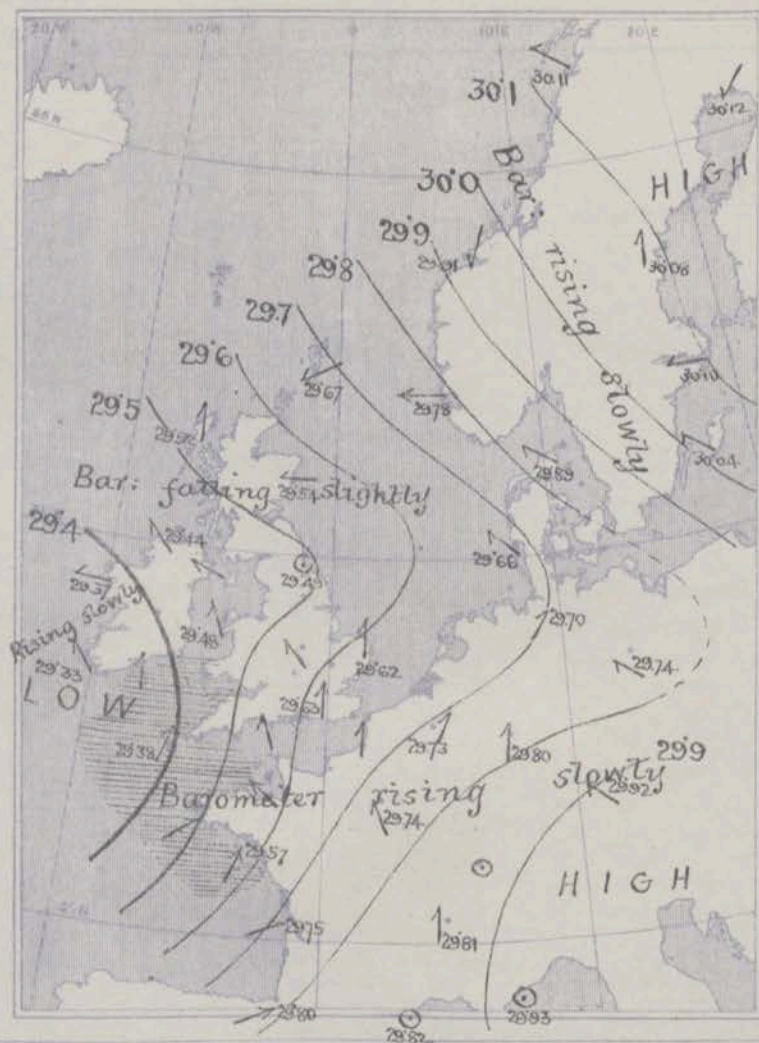
at 8 a.m. for the month of May

During the 20 Years 1871-1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunbrough Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Arbroath	29.983
Mullaghmore	29.989
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Barrow-in-Wadney	29.958
Valencia	29.963
Roche's Point	29.970
Pembroke	29.981
Sally	29.974
Prawle Point	29.982
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.974
Yarmouth	29.967



## 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.

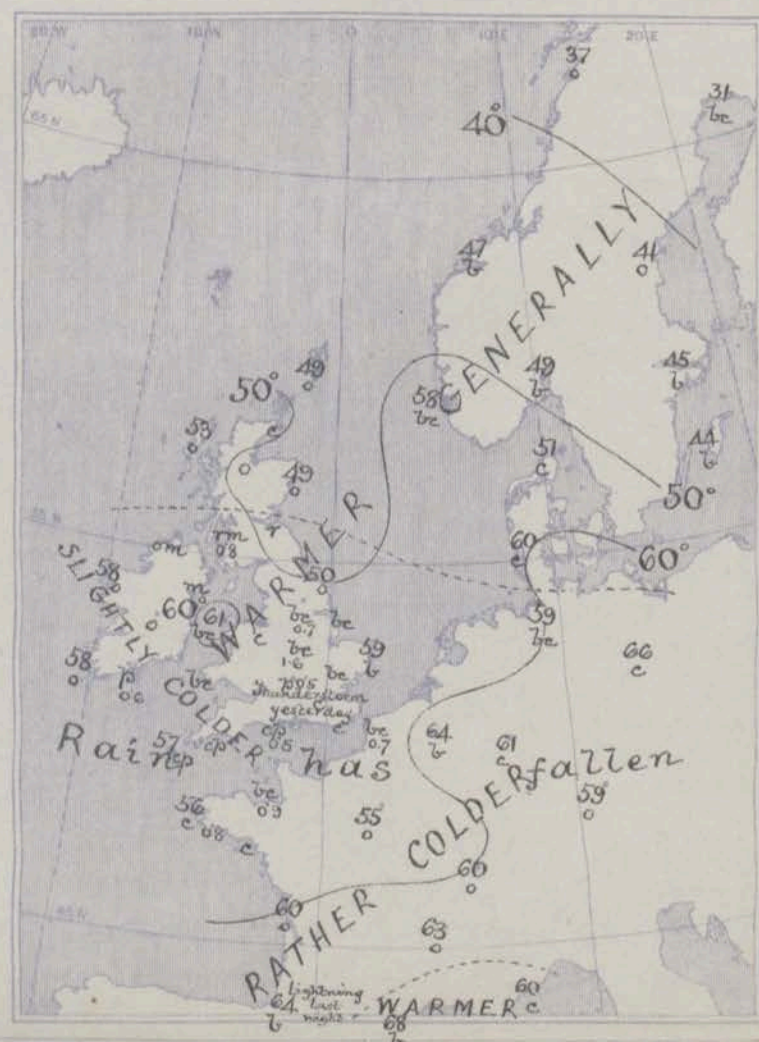
**WEATHER**—is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sunbrough Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.01
Wick	53.9	40.6	48.1	45.6	1.09
Nairn	50.3	42.2	48.6	45.4	1.01
Aberdeen	55.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.07
Shields	54.4	42.9	49.0	46.0	1.09
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	50.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Arbroath	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	40.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	40.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	48.9	1.84
Barrow-in-Wadney	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	40.3	52.8	49.7	3.20
Roche's Point	58.3	40.2	51.7	48.8	3.14
Pembroke	55.0	43.9	49.9	47.7	2.03
Sally	56.8	48.2	52.7	50.3	1.73
Prawle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	40.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.3	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.00
Yarmouth	55.4	44.9	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 ins. and more to 29.8 ins. over Sweden and Norway; and 29.9 ins. and more to 29.8 ins. over the southeast of France.  
 Lowest, 29.4 ins. and less, over the southwestern half of Ireland and the adjacent parts of the Atlantic.  
 Gradients somewhat steep, for SW winds over Brittany and the south of the Channel, moderate, for SE winds in the north.  
 Barometer rising a little at our western stations and over France, but the change is not of a decided character.

## TEMPERATURE

Highest, 62° at Lisbon, 60° to 68° over the southern half of France, 55° to 60° over Central England, 66° at Berlin.  
 Lowest, 31° at Haparanda, 37° at Bodø, 41° at Helsingfors, 44° at Stockholm, 45° at Narvik, 47° at Christiansund, 48° at Leth, 49° at Lumburg, 49° at Helsingfors, 49° at Helsingfors, 49° at Helsingfors.  
 The maxima recorded yesterday were 79° at Biarritz, and 82° at Paris; 71° at Cambridge, 60° to 67° over England generally.

## WIND

Moderate NE to E over Scandinavia; SE to E over Scotland and Ireland; SE to S over England, but very fresh from S in the Channel and from SW over the Bay of Biscay. Over Denmark and Germany it is SE.  
 A moderate gale from SE was again felt over the south of Ireland yesterday.

## WEATHER

Still fine on the eastern shores of the North Sea, dull in Scotland, changeable over our Islands, with showers in the southwest and south.  
 Rain has fallen very generally over France, England, and Ireland, and in many places the fall has been large. [1.6 ins. at Loughborough, 0.8 ins. at Andover, 0.9 ins. at Jersey, 0.8 ins. at Brest, and 0.7 ins. at Cape Gris Nez.]

## SEA

Rather rough on our southwest coast and off Ushant, moderate in the Channel and at Lumburg H., slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showery weather is likely to continue over Ireland and England and to spread to Scotland, with thunder in places.

## FORECASTS

For the 24 hours ending at NOON on 19<sup>TH</sup> MAY, 1893.

### DISTRICTS.

### FORECASTS.

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

E and SE winds, moderate; cloudy, rainy, unsettled.  
 Same as No 5  
 S and SW winds, moderate or fresh; rain at times, thunder locally. Cooler.

### DISTRICTS.

### FORECASTS.

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

Same as No 0 and 1.  
 SE and S winds, moderate; changeable, showery.  
 Same as No 5.  
 SE to SW winds, moderate to fresh; showery.

### 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 ...	29.81	57	50	W	2	b	2	Valencia ...	29.29	60	57	SE	6	cyp	6
Sumburgh Head ...	29.75	50	47	E N E	2	b	3	Scilly ...	29.43	61	58	SE	5	o	4
Sornoway ...	29.61	52	52	NE	3	c	3	Jersey ...	29.58	57	56	SW	2	r	2
Aberdeen ...	29.71	48	46	SE	2	o	3	Hurst Castle ...	29.57	57	57	SW	2	sr	0
Shields ...	29.65	51	49	E	2	o	3	Dungeness ...	29.44	59	56	E	2	r	1
Ardrossan ...	29.56	53	52	NE	3	+	1	North Foreland ...	29.54	59	56	E	3	o	3
Malin Head ...	29.51	50	50	ESE	4	o	1	London (Westminster)	29.54	65	62	ESE	1	op	3
Mullaghmore ...								Yarmouth ...	29.61	65	63	E	3	cf	3
Belmullet ...	29.40	65	59	E	4	c	2	Rocheport ...	29.62	58	58	HW	2	r	
Holyhead ...	29.52	62	58	SSW	2	c	2								

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

Weather cloudy or overcast in most parts of western and southern Europe and also in Denmark and the south of Sweden with rain at several of the English stations as well as at Madrid. Fine and bright over the greater part of northern, eastern, and central Europe, as well as in the south of Italy. Heavy rain falling later in many parts of our Islands and the north of France, the largest amount, being 1.6 ins. at Loughborough, 0.9 ins. at Jersey, and 0.8 ins. at Ardrossan. Thunderstorms occurring in the southeast of England and thunder heard at Cuthaven.

Temperature risen a little in most places. Morning readings highest 76° at Algiers, 74° at Bunderia, and 72° at Barcelona and La Cella, and 71° at Trieste, above 60° over the greater part of central and southern Europe, and just reaching that point at Valencia (Ireland). Lowest 32° at Haparanda, 33° at Ulsaborg, 34° at Moscow, and 35° at Kuopio. Rising during day to 65° or more at several of the English and Irish stations, and reaching 71° at Cambridge. Exceeding 75° over Germany and the central and southern parts of France, and reaching 84° at Belfast.

Wind moderate to strong from the SW<sup>W</sup> over the Spanish Peninsula; light or moderate from the SW<sup>W</sup> in France, and from the SE<sup>W</sup> or E<sup>W</sup> over our Islands and the eastern shores of the North Sea. NW<sup>W</sup> or N<sup>W</sup> over Sweden and Russia, variable in Austria and Italy; SE<sup>W</sup> in Algeria. No important change occurring over Western Europe during day.

Barometer highest 30.0 ins. and upwards in four areas lying respectively over the northwest of Norway, Galicia, Tunis, Sicily, and the southwest of Italy and Morocco, 29.9 ins. and less, in a broad band extending northwards from the eastern parts of the Mediterranean, across western Russia to the Baltic and Scandinavia. Lowest 29.4 ins. in a depression lying off the southwest of Ireland, 29.5 ins. and less, in another system over northern Russia. Fall of barometer taking place in most parts of Western Europe during day, and shallow secondary depressions advancing northwards 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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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

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

1893

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

PUBLISHED BY THE METEOROLOGICAL OFFICE, 65, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary.																										
YESTERDAY EVENING. (See note at bottom of last page.)																	THIS MORNING. (See note at bottom of last page.)						PAST 24 HOURS.			
STATIONS.		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.								
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yester- day M. P. M.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).		Weather.	Max.	Min.									
		Inch.	°				Inch.											Inch.								
SCANDINAVIA.	Haparanda ...	30.20	31	N	2	0	30.28	+ 16	33	?	+ 2	E	2	b	#	0	37	19	-							
	Hernösand ...	30.25	37	SE	2	b	30.30	+ 22	35	33	- 6	SSW	4	S	#	0	48	27	-							
	Stockholm ...	30.15	40	SSW	2	b	30.22	+ 12	47	38	+ 2	SE	2	b	#	0	55	28	-							
	Wisby ...	30.11	37	SE	4	b	30.16	+ 12	47	41	+ 3	SSW	4	bc	#	0	54	32	-							
	Bodö ...	30.14	40	N	2	b	30.13	+ 02	45	41	+ 8	NE	2	b	#	0	?	36	-							
	Christiansund...	29.88	53	NNE	2	b	29.88	- 03	54	48	+ 7	SE	1	b	1	0	55	39	-							
	Skudesnaes ...	29.79	54	E	4	†	29.87	+ 09	52	49	- 4	ESE	4	C	2	0.7	65	52	0.08							
	Christiania Fjord (Farder)	29.94	54	ESE	4	0	30.04	+ 08	47	42	- 2	E	5	0	2	0	55	46	-							
	Skagen (The Scaw)	29.90	54	SE	2	0	29.96	+ 07	50	45	- 1	ESE	3	0	2	0	57	48	-							
	Fanö ...	29.78	54	ESE	4	b	29.79	+ 13	52	50	- 8	SE	4	†	#	0	63	50	0.24							
BRITISH ISLANDS.	Sumburgh Head	29.63	51	E	4	0	29.59	- 08	49	49	0	ESE	4	f	5	C, 0	55	44	0.03							
	Stornoway ...	29.47	53	S	2	†	29.46	- 06	52	51	- 1	S	2	0	3	0.1, 1	56	45	0.02							
	Wick ...	29.52	50	SE	2	f	29.53	- 06	51	51	0	S	2	f	1	f†	57	45	0.33							
	Nairn ...	29.46	54	E	1	†	29.50	- 05	54	53	+ 5	W	0	0	1	†	56	43	0.05							
	Aberdeen ...	29.49	48	E	1	om	29.58	+ 04	52	50	+ 3	SSW	2	bc	4	om, om	55	46	0.18							
	Leith ...	29.49	58	NE	2	C	29.52	+ 03	55	53	+ 7	W	0	C	#	C	56	47	0.04							
	Shields ...	29.52	52	ENE	2	0	29.58	+ 09	55	53	+ 5	SSW	2	b	2	cp, l	60	48	0.18							
	Spurn Head ...	29.56	54	S	4	bc	29.61	+ 07	53	53	- 3	SE	4	CW	3	pt, bc	66	50	0.01							
	York ...	29.52	65	S	2	C	29.60	+ 07	55	53	+ 1	SE	1	0	#	C	70	49	0.05							
	Loughborough	29.56	62	SSW	3	C	29.59	+ 03	53	52	- 6	SE	1	od	#	tlr, c	68	48	0.06							
GERMANY & HOLLAND.	Ardrossan ...	29.46	57	SSW	1	C	29.51	+ 02	56	54	+ 5	SSW	2	bc	1	C, ltr	63	49	0.23							
	Malin Head ...	29.36	62	SE	5	b	29.42	- 02	54	52	+ 3	SSW	4	op	1	bc, b	63	50	0.03							
	Mullaghmore ...																									
	Belmullet ...	29.36	58	S	2	op	29.36	- 01	58	54	0	S	1	bc	#	op	61	53	0.55							
	Donaghadee ...	29.46	55	SSW	3	0	29.50	+ 02	53	52	+ 2	SSW	5	0	3	0	59	49	0.02							
	Liverpool (Bidston)	29.50	58	SSW	1	0	29.55	+ 04	53	52	- 6	ESE	2	0	2	tlr	64	50	0.10							
	Holyhead ...	29.47	56	SSW	2	bc	29.51	+ 03	59	55	- 2	SSW	3	bc	2	C, bc	65	51	0.01							
	Parsonstown ...	29.39	56	SE	1	†	29.44	+ 02	55	54	- 3	SE	1	C	#	C, 0.1	64	50	0.35							
	Valencia ...	29.37	60	S	3	C	29.38	+ 03	58	55	0	E	1	cp	2	cp	63	52	0.34							
	Roche's Point	29.41	58	SSW	1	bc	29.39	+ 04	58	57	+ 3	SSW	3	bc	4	bc, p	61	52	0.50							
FRANCE AND BELGIUM.	Pembroke (St. Ann's Id.)	29.49	53	S	3	C	29.48	+ 04	53	52	- 4	S	3	C, pp	4	C	57	51	0.11							
	Scilly ...	29.52	58	S	3	bc	29.47	+ 09	59	57	+ 2	SSW	5	cp	4	cp	61	52	0.22							
	Prawle Point ...	29.59	55	SSW	4	C	29.59	+ 09	54	54	0	SSW	4	C, gm	3	cp	56	51	0.15							
	Jersey (St. Aubin's)	29.68	60	SW	3	bc	29.71	+ 13	60	55	+ 3	SSW	4	C, m	3	cp, bc	62	54	0.07							
	Hurst Castle ...	29.65	57	SSW	5	bc	29.67	+ 10	56	55	0	SSW	6	bc	4	bc	61	54	0.02							
	Dungeness ...	29.66	58	SW	3	bc	29.72	+ 08	57	54	0	SSW	5	b	4	bc	62	53	0.06							
	North Foreland	29.64	59	S	4	bc	29.72	+ 10	58	55	- 3	S	6	C, q	5	bc	61	52	0.02							
	London ...	29.63	61	SSW	3	bc	29.67	+ 04	60	55	0	SW	3	cp	#	bc, b	66	51	0.03							
	Oxford ...	29.63	56	S	4	bc	29.62	+ 03	56	53	+ 1	S	5	C, q	#	cp	64	52	0.04							
	Cambridge ...	29.61	61	SSW	4	†	29.64	+ 02	58	55	0	SE	5	C	#	p	70	49	-							
PENINSULA.	Yarmouth ...	29.63	56	ESE	4	bc	29.70	+ 08	55	53	- 4	SSW	4	bc	3	bc	59	50	-							
	Cuxhaven ...	29.79	57	WSW	2	C	29.82	+ 12	57	56	- 2	SW	1	C	#	C	64	56	0.48							
	Berlin ...	29.76	68	NW	3	b	29.82	+ 08	58	57	- 8	NW	3	0	#	b	75	54	-							
	Wiesbaden ...						29.92	+ 12	57	54	- 4	W	0	b	#	#	72	55	0.04							
	Munich ...	29.93	57	SW	4	bc	30.00	+ 08	56	54	- 3	SW	5	0	#	bc	72	54	0.20							
	The Helder ...	29.77	61	SW	1	C	29.85		60	56		SSW	1	b	1	C	66	54	-							
	Brussels (D. M.)						29.83	+ 10	62	55	- 2	SSW	4	b	#	C	72	49	0.16							
	Cape Gris Nez	29.67	58	SW	3	bc	29.72	+ 08	57	56	- 1	SW	4	bc	4	bc	64	52	-							
	Paris ...	29.81	63	SSW	4	b	29.86	+ 12	54	51	- 1	S	2	C	#	b	71	49	-							
	Brest ...		56	S	4	†	?	?	56	55	0	SW	4	†	5	†	63	48	0.28							
PENINSULA.	Lorient ...	29.70	59	S	5	C	29.72	+ 15	58	54	+ 1	SW	6	0	7	C	64	55	0.04							
	Rocheport ...	29.82	66	WNW	2	b	29.86	+ 11	59	57	- 1	WSW	4	C	#	b	70	55	-							
	Belfort ...																									
	Lyons ...																									
	Nice ...	29.91	62	W	0	bc	29.93	- 00	62	58	+ 2	W	1	bc	#	bc	70	54	-							
	Perpignan ...	29.91	64	W	0	C	29.95	+ 13	64	55	- 4	W	2	0	#	C	70	55	-							
	Biarritz ...	29.84	70	S	3	†	29.93	+ 13	64	55	0	S	3	C	2	tl	72	59	-							
	Corunna ...																									
	Lisbon ...	30.09	61	WSW	4	b	30.13	+ 14	62	57	0	SW	4	bc	#	b	64	57	-							

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Friday, 19<sup>th</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

→ forces above 10 → forces 8 to 10.

→ forces 5 to 7 → forces 1 to 4.

○—dead calm.

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

☼ = Rough. ☼ = High.

## MEAN HEIGHT OF THE BAROMETER

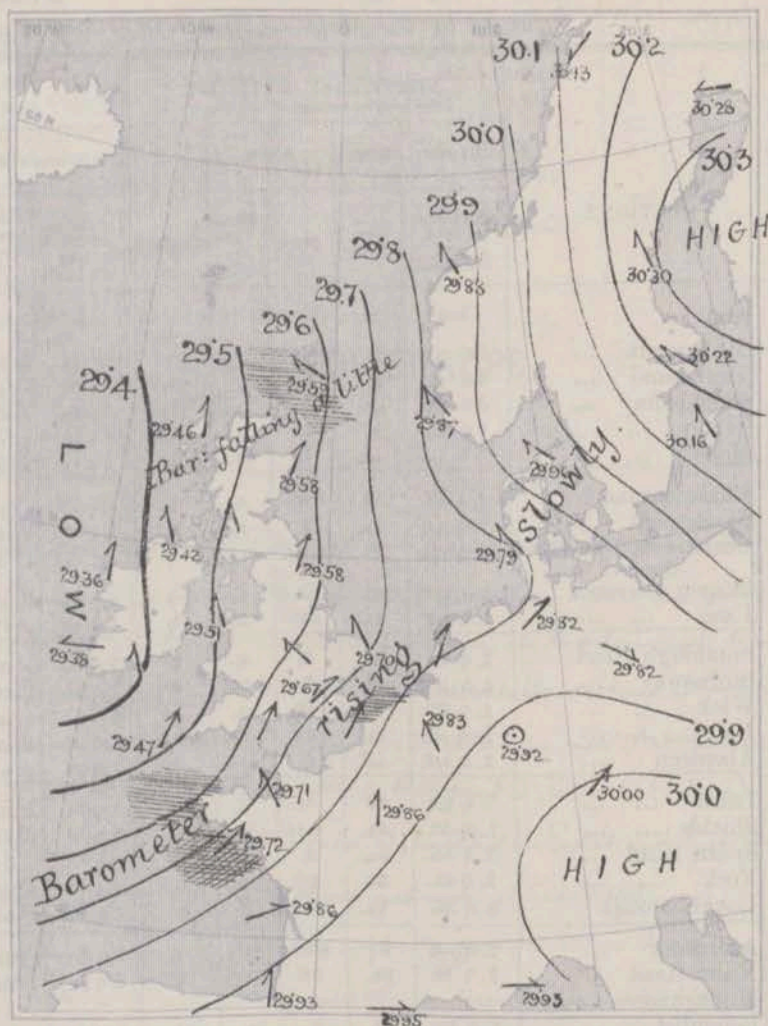
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
Yarm	29.962
Loughborough	29.973
Androsan	29.985
Mullaghmore	29.989
Dunghadree	29.997
Holyhead	29.999
Liverpool	29.999
Parsonstown	29.998
Valencia	29.993
Roch's Point	29.989
Pembroke	29.981
Sally	29.974
Prasle Point	29.962
Jersey	29.980
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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 May.)

### STATIONS.

### TEMPERATURE.

### RAINFALL.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.3	40.2	40.1	44.0	1.72
Stornoway	53.3	41.1	48.0	40.4	2.01
Wick	53.9	40.6	48.1	45.6	1.69
Nairn	54.3	42.2	48.0	45.4	1.01
Aberdeen	55.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.37
Yarm	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.1	2.09
Androsan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	43.3	50.2	47.4	2.42
Dunghadree	56.0	44.2	49.6	47.5	2.20
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.9	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roch's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Sally	56.5	45.2	52.7	50.3	1.73
Prasle Point	56.9	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.0	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.6	43.4	50.6	47.5	1.93
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.9	50.6	48.1	1.86

**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 29.9 ins. over Iceland, the Baltic, and Scandinavia; 30.1 ins. and more to 30.0 ins. over the southern half of Spain; 30.0 ins. and more over the coast of France; 29.4 ins. and less, over the northern half of Ireland and adjacent parts of the Atlantic; 29.8 ins. and less, over the eastern side of the North Sea.  
Gradients moderate — and favourable for SW<sup>ly</sup> to S<sup>ly</sup> winds over the United Kingdom.  
Barometer rising slightly except in the north of our Islands, where it has fallen a little.

## TEMPERATURE

Highest, 62° at Lisbon, and 62° to 64° in the south of France generally; 50° to 59° over the British Isles and North Sea.  
Lowest, 33° to 35° in the northern parts of Sweden; 45° at Rode.  
The maxima recorded yesterday varied from 65° to 70° over the inland parts of England; and from 70° to 78° in France, but did not reach 60° in the east and north of Scotland.

## WIND

Fresh and gusty from the SW<sup>nd</sup> over the Bay of Biscay and the Channel, moderate from between S and SE at our more northern stations, Calm at Leth and Aker. Over Scandinavia it is E<sup>ly</sup>.

## WEATHER

Fine and bright at some of the Scandinavian and Spanish stations, cloudy and changeable elsewhere, with snow at Hemsund, rain showers in several parts of Ireland, England and Brittany.  
Rain has fallen generally, — not heavily, thunderstorms have occurred in the north of England and at Biarritz.

## SEA

Rough off Ushant and also at Sumburgh Hd., moderate in the Channel, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change beyond a decrease in the amount of rain over our southern countries.

## FORECASTS

For the 24 hours ending at NOON on 20<sup>th</sup> May 1893.

### DISTRICTS.

### FORECASTS.

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

S<sup>ly</sup> and SW<sup>ly</sup> breezes, moderate; some showers.  
  
Same as N°5.  
  
S<sup>ly</sup> and SW<sup>ly</sup> winds, fresh to moderate; some passing showers, rather squally.



### DISTRICTS.

### FORECASTS.

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

S<sup>ly</sup> breezes, moderate to fresh; showery.  
  
SW<sup>ly</sup> breezes, fresh; showery.  
  
Same as N°6 and 7.  
  
None issued.

### WARNINGS

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.76	65	54	S	4	o	2	Valencia ...	29.86	63	60	S	3	cm	3
Sumburgh Head ...	29.65	54	51	E.N.E.	3	c	4	Scilly ...	29.48	60	58	SSW	5	cp	4
Stornoway ...	29.49	56	53	N.E.	2	c	3	Jersey ...	29.64	61	56	SSW	4	c	3
Aberdeen ...	29.52	49	49	S.E.	2	sm	3	Hurst Castle ...	29.60	60	57	SSW	5	bc	4
Shields ...	29.50	55	53	E.N.E.	1	c	2	Dungeness ...	29.64	62	58	SSW	3	bc	2
Ardrossan ...	29.47	61	57	N.W.	1	c	0	North Foreland ...	29.63	60	57	S	5	bc	3
Malin Head ...	29.43	54	52	E.S.E.	4	bc	1	London (Westminster) ...	29.60	66	57	S	4	c	*
Mullaghmore ...								Yarmouth ...	29.62	68	55	S	5	bc	4
Belmullet ...	29.36	57	55	S	2	op	#	Rochefort ...	29.83	66	63	N.W.	4	b	#
Holyhead ...	29.47	61	56	S	3	c	2								

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

Weather in morning very fine and bright over southeastern Europe and adjacent parts of the Mediterranean, as well as over many parts of Scandinavia and the Baltic, cloudy & very changeable over the western countries, with showers in the south and southwest of our Islands.

Rain falling later in nearly all parts of the United Kingdom and many parts of France and Germany, but amounts not large except at Funchal, Rock of B. and Belmullet; thunderstorms occurring generally over the northern half of England.

Temperature risen over England and central Europe, but changing somewhat fitfully. Morning readings highest 60° to 75° at the Mediterranean stations, and exceeding 60° over southern and central Europe generally; exceeding 50° over the United Kingdom and north of France. Lowest 31° at Haparanda, and 32° to 35° over Lapland, Finland, and the north of Russia as a whole, 40° at Moscow, 45° at Rharke and Stockholm. Rising later to between 60° and 70° over the inland part of England, to between 70° and 75° over Germany, and to between 70° and 78° over the southern half of France.

Wind very variable, but (1) chiefly N<sup>3</sup> over Finland, E<sup>3</sup> over the Baltic, Scandinavia, and the northern parts of Great Britain; (2) SW<sup>1</sup> over Portugal and Spain, S<sup>1</sup> over France, and S<sup>1</sup> to SE<sup>1</sup> over the Channel and England, SE<sup>1</sup> to E<sup>1</sup> over Ireland, veering to SSW and freshening over the south of England later, and to south on our western coasts.

Barometer highest, 30.1 in. and more to 29.9 in. — (1) over Lapland, Scandinavia, and the Baltic; (2) over the southeastern parts of Russia and the Black Sea; (3) over Algeria, the south of Spain, and the Mediterranean generally. Lowest, 29.4 in. and less, (1) in a depression over the north of Russia, (2) in another over the southwestern half of Ireland, the Lilly Islands, and adjacent part of the Atlantic. Rising over France, Germany, the southern parts of our Islands later, falling a little in Scotland and the north of Ireland.

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

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. 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, 20<sup>th</sup> May, 1893

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

Issued by the Meteorological Office, 53, 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.	Ins.	Dry Bulb.	Wet Bulb.		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.
SCANDINAVIA.																				
Haparanda ...		30.18	31	2	0	bc	30.25	-0.07	36	31	3	NE	2	b	3	bc	37	19	-	-
Hernösand ...		30.25	37	2	0	b	30.20	-0.10	42	38	7	NE	2	c	3	b	48	28	0.04	-
Stockholm ...		30.20	41	2	0	0	30.21	-0.01	51	42	4	SE	2	bc	3	0	61	32	-	-
Wisby ...		30.15	39	SE	4	b	30.15	-0.01	48	42	1	SE	4	b	3	b	54	36	-	-
Bodö ...		30.10	44	NE	1	b	30.07	-0.06	46	44	1	ESE	6	b	3	b	50	30	-	-
Christiansund...		29.94	53	NE	1	b	29.92	+0.04	54	49	0	HSW	1	b	1	b	37	48	-	-
Skudesnaes ...		29.91	51	SE	1	7	29.92	+0.05	54	48	0	ESE	4	c	2	c, 7	54	47	-	-
Christiania Fjord (Færdier)		30.04	49	NE	4	0	30.08	+0.04	51	47	4	ESE	4	bc	2	0	51	46	-	-
Skagen (The Scaw)		30.00	49	SE	2	0	30.02	+0.06	52	48	2	ESE	3	c	1	0	50	48	-	-
Fanø ...		29.88	?	SE	4	c	29.89	+0.10	52	50	0	ESE	4	c	3	c	68	50	0.24	-
Sumburgh Head		29.68	49	ESE	5	m	29.65	+0.06	48	48	1	ESE	3	c	6	m	51	44	0.24	-
Stornoway ...		29.49	59	S	2	b	29.44	-0.02	56	53	4	SE	2	bc	2	b, bc	60	44	0.02	-
Wick ...		29.58	50	S	4	bc	29.55	+0.02	51	50	0	S	3	bc	2	f, bc	55	48	-	-
Nairn ...		29.48	49	S	2	c	29.47	-0.03	57	55	3	ESE	1	c	1	c	63	49	0.08	-
Aberdeen ...		29.59	51	SE	3	bc	29.55	-0.03	51	49	1	SSE	4	oggy	4	b, bc	60	49	-	-
Leith ...		29.48	58	W	1	0	29.50	-0.02	56	53	1	ESE	1	0	4	0	63	50	0.04	-
Shields ...		29.52	59	SSW	3	c	29.50	-0.08	53	52	2	SSW	2	0	2	op, c	59	49	0.02	-
Spurn Head ...		29.60	57	ESE	3	op	29.61	-0.00	58	57	5	SSW	5	bc	4	pt	63	52	0.09	-
York ...		29.56	57	S	3	c	29.55	-0.05	57	55	2	S	3	c	4	c	65	52	0.25	-
Loughborough		29.58	61	ESE	3	c	29.61	+0.02	58	54	5	SSW	4	c	4	cp	64	52	0.39	-
Ardrossan ...		29.45	55	ESE	1	p	29.53	+0.02	55	53	1	ESE	2	p	1	cp	62	50	0.10	-
Malin Head ...		29.38	58	SE	4	op	29.39	-0.03	54	53	0	SE	2	op	0	op	62	51	0.06	-
Mullaghmore ...																				
Belmullet ...		29.39	61	N	2	bc	29.40	+0.04	55	53	3	HSW	2	0	4	bc, p	65	53	0.02	-
Donaghadee ...		29.46	54	SE	3	bc	29.45	-0.05	55	54	2	SW	4	c	2	bc	57	52	0.02	-
Liverpool (Bidston)		29.48	58	SE	1	0	29.53	-0.02	58	54	5	S	1	c	2	0	64	52	0.31	-
Holyhead ...		29.45	59	SE	2	c	29.50	-0.01	57	55	2	SW	3	bc	2	bc, c	63	50	-	-
Parsonstown ...		29.41	54	2	0	7	29.46	+0.05	52	51	3	SW	1	bc	4	bc, c	63	49	0.41	-
Valencia ...		29.48	56	W	4	c	29.53	+0.15	53	49	5	W	4	c	5	bc, c	60	50	0.35	-
Roche's Point		29.42	57	NE	3	p	29.51	+0.12	53	50	5	NE	3	c	3	p	60	49	0.01	-
Pembroke (St. Ann's H.L.)		29.42	54	SSW	4	7	29.52	+0.04	52	51	1	S	4	oggy	4	c, p	58	52	0.10	-
Scilly ...		29.53	59	HSW	6	cp	29.56	+0.09	57	53	2	HSW	4	cp	4	cp	61	50	0.17	-
Prawle Point ...		29.58	54	SSW	6	c	29.63	+0.04	54	53	0	SSW	5	cm	4	cp	56	52	0.04	-
Jersey (St. Aubin's)		29.72	58	SSW	3	cp	29.74	+0.03	59	55	1	S	4	cm	3	cpm	61	54	0.14	-
Hurst Castle ...		29.66	56	SSW	7	bc	29.69	+0.02	56	54	0	SSW	7	bc	5	bc, p	59	54	0.11	-
Dungeness ...		29.74	58	SSW	3	bc	29.74	+0.02	56	54	1	SW	5	c	4	b, bc	63	53	-	-
North Foreland		29.70	60	SSW	4	bc	29.74	+0.02	59	56	1	SSW	4	cp	4	bc, cp	64	52	-	-
London ...		29.66	60	SSW	4	bc	29.70	+0.03	59	55	1	SW	3	c	4	cp, b	62	54	-	-
Oxford ...		29.61	55	S	4	0	29.65	+0.03	56	53	0	S	3	cp	4	0	61	53	0.06	-
Cambridge ...		29.64	61	SE	5	bc	29.67	+0.03	60	55	2	SSW	4	0	4	bc	67	53	0.07	-
Yarmouth ...		29.69	60	S	4	b	29.71	+0.01	57	55	2	S	4	bc	4	b	61	52	-	-
Cuxhaven ...		29.89	56	N	2	0	29.88	+0.06	54	53	3	SE	4	f	4	c	64	52	-	-
Berlin ...		29.84	63	NE	3	c	29.85	+0.03	52	51	6	NE	3	0	4	c	70	52	0.20	-
Wiesbaden ...							29.94	+0.02	61	57	4	SW	4	0	4	#	73	50	-	-
Munich ...		29.90	57	SE	2	bc	30.01	+0.01	54	51	2	SW	5	7	4	bc	66	52	-	-
The Helder ...		29.82	60	SE	1	c	29.84	-0.01	59	56	1	SW	2	c	2	c	68	55	-	-
Brussels (9 a.m.)							29.84	+0.01	59	55	3	SSW	2	c	4	c	71	51	0.04	-
Cape Gris Nez		29.72	59	SW	2	bc	29.75	+0.03	58	55	1	SSW	4	c	4	bc	66	55	-	-
Paris ...		29.83	63	SW	3	bc	29.91	+0.05	55	52	1	S	3	0	4	bc	70	51	-	-
Brest ...			58	HSW	5	c			56	54		SW	5	c	5	c	61	50	1.18	-
Lorient ...		29.79	59	HSW	6	c	29.76	+0.04	55	53	3	SSW	6	0	6	c	63	55	0.04	-
Rochefort ...		29.91	64	HSW	6	c	29.89	+0.03	60	56	1	SW	5	0	4	c	66	55	0.08	-
Belfort ...			61	HSW	3	0			57	53		HSW	3	c	4	0	66	55	0.08	-
Lyons ...		29.99	55	N	1	7	30.02		55	51		S	1	b	4	blt	76	47	-	-
Nice ...		29.89	60	NE	2	b	29.91	-0.02	61	55	1	2	0	b	1	b	68	50	0.54	-
Perpignan ...		30.01	60	2	0	c	30.02	+0.07	61	58	3	W	2	bc	4	c	75	53	0.28	-
Biarritz ...		29.98	67	NE	3	b	29.92	-0.01	59	56	5	SE	2	0	2	b	75	55	0.04	-
Corunna ...																				
Lisbon ...		30.10	59	ESE	3	7	30.06	-0.07	61	57	1	NE	3	c	4	0, 7	66	57	0.24	-
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 Saturday, 20<sup>th</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP.

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

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

☼ = Rough. ☼ = High.

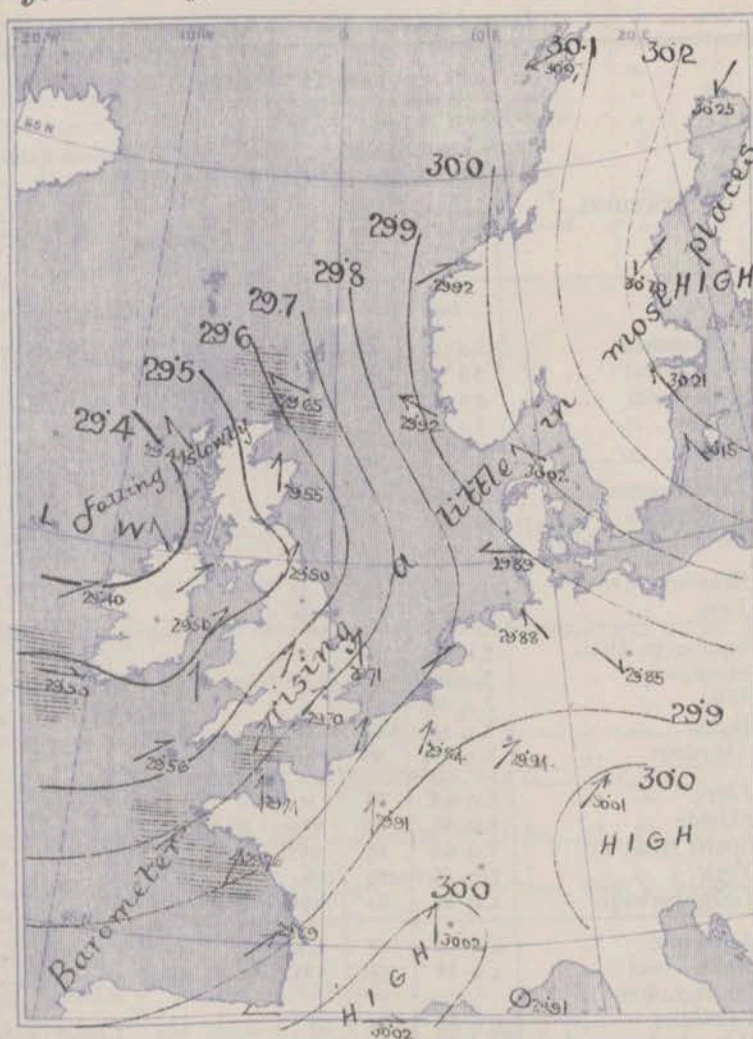
### MEAN HEIGHT OF THE BAROMETER

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

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Artesian	29.985
Mullaghmore	29.999
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.959
Pembroke	29.961
Sally	29.974
Prawle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Vermouth	29.967



## 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.

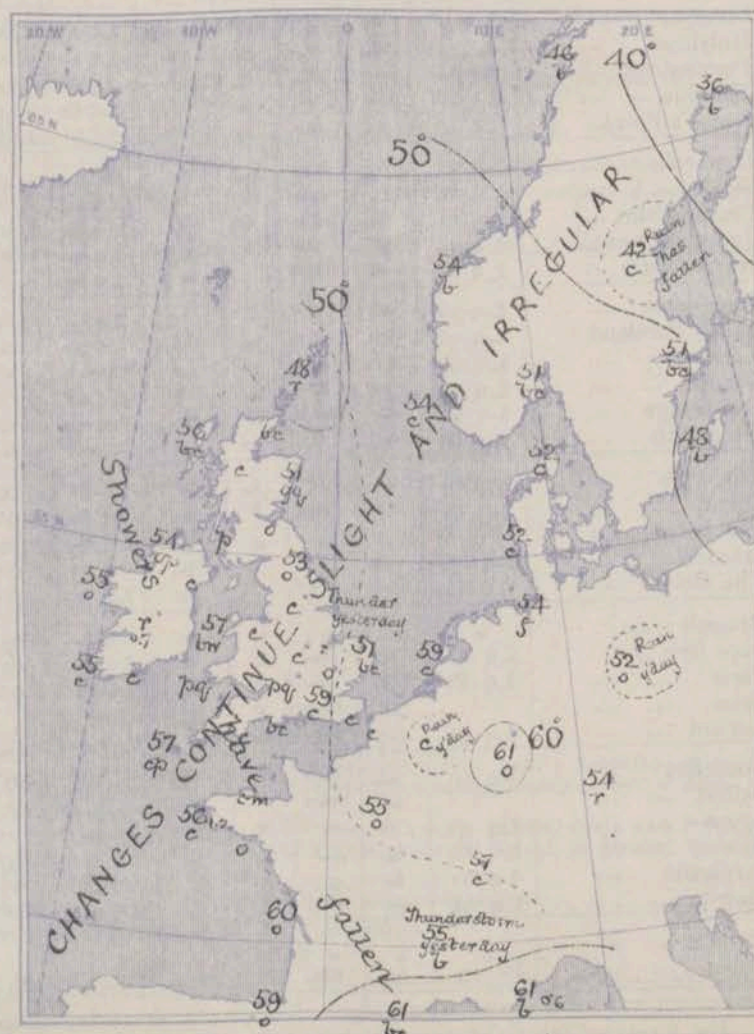
**WEATHER** is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Daily Avg.	Wet.	
Sunburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.0	46.4	2.61
Wick	53.0	40.6	48.1	45.6	1.69
Nairn	56.3	42.2	48.0	45.4	1.61
Aberdeen	55.0	41.0	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.07
Shields	54.4	42.9	49.0	46.0	1.09
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Artesian	56.3	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Sally	56.3	48.2	52.7	50.3	1.73
Prawle Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Vermouth	55.4	44.9	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, (1) 30.2 in. and more to 29.9 in. over Finland, the Baltic, and Scandinavia; (2) 30.0 in. and more to 29.9 in. over Spain and the south and southeast of France.

Lowest, 29.4 in. and less, off our extreme northwestern coasts.

Gradients moderate, but irregular. Barometer changing little and irregularly.

## TEMPERATURE

Highest, 61° at Lisbon, Perpignan, Nice, and Wiesbaden, 55° to 59° over England, 59° at the Hebrides.

Lowest, 36° to 42° in the north of Sweden, 48° at Sumburgh Hd., 51° at Aberdeen.

The maxima recorded yesterday did not exceed 65° at any of our own stations yesterday excepting Cambridge. Those at Paris and Berlin were 70°, at Brussels 71°, at Wiesbaden 73°, and at Perpignan 75°.

## WIND

SE<sup>ly</sup> to NE<sup>ly</sup> over Scandinavia, — moderate to strong; SE<sup>ly</sup> moderate over Scotland, S<sup>ly</sup> over England; SW<sup>ly</sup> very fresh over the Channel and Bay of Biscay; W<sup>ly</sup> moderate, in the south of Ireland, SE<sup>ly</sup> light at Malin Hd. It blew very gustily for a time in London last night.

## WEATHER

Still fine over Scandinavia and in the south of France; changeable elsewhere, though temporarily clear in many places, squally and showery on our southwestern coasts. A solar halo is visible at Jersey.

Rainfall was measured this morning at nearly all the French, British, and Irish stations, but amounts are small except at Paris and some of the French stations.

## SEA

Rough off distant, Valencia, and Sumburgh Hd., moderate off our southern, eastern, and northeastern coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuance of showery weather is probable over our Islands with southeasterly winds in the northern, and equally southerly breezes in the southern districts.

## FORECASTS

For the 24 hours ending at NOON on 21<sup>st</sup> May, 1893.

### DISTRICTS.

### FORECASTS.

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

SE<sup>ly</sup> and S<sup>ly</sup> breezes, moderate; showery.

S<sup>ly</sup> winds, moderate or fresh; occasional showers.

S<sup>ly</sup> breezes, fresh; gusty, rain at times, bright intervals.

### DISTRICTS.

### FORECASTS.

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

Same as Nos 0 and 1.

SW<sup>ly</sup> winds, moderate; showery.

Same as No 5.

S<sup>ly</sup> to W<sup>ly</sup> and Varying breezes; fine to showery.

### WARNINGS

None issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Slenderinas ...	29.90	53	42	SSW	4	c	2	Valencia ...	29.45	58	56	W	3	bc	3
Sumburgh Head ...	29.66	50	50	ESE	5	m	6	Scilly ...	29.47	60	58	SW	6	cp	5
Stornoway ...	29.50	51	55	S	2	bc	3	Jersey ...	29.73	58	56	S	3	cp	3
Aberdeen ...	29.60	51	53	SSW	3	b	4	Hurst Castle ...	29.67	58	55	SSW	6	bcp	4
Shields ...	29.56	52	51	SE	2	st	2	Dungeness ...	29.74	63	57	SSW	4	b	3
Ardrossan ...	29.49	59	56	ESE	1	c	0	North Foreland ...	29.73	59	51	SSW	5	bc	4
Main Head ...	29.46	60	54	SE	4	o	1	London (Westminster) ...	29.69	60	55	SSW	4	cp	4
Mullaghmore ...								Yarmouth ...	29.70	60	56	SSW	5	b	4
Belmullet ...	29.39	65	60	W	2	bc	4	Rochefort ...	29.90	64	57	W	6	c	4
Holyhead ...	29.49	61	56	SSW	2	bc	2								

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

Weather fair in most parts of the United Kingdom, but showery at several of our western and southern stations and foggy in Cantabria and the Netherlands. Fine and bright in many parts of Scandinavia and northern Russia, as well as in Italy and the south of Spain; cloudy or overcast over the more central parts of the Continent, with rain at Paris, Breslau, Warsaw, and Lemberg. Snow falling at Hamö and. Heavy showers falling during day in most parts of Western Europe; amount collected next morning as large as 1.2 in. at Brest, and 0.7 in. at Breston. Thunder heard at Sperr Ht., and a thunderstorm occurring at Lyons.

Temperature changed little and irregularly. Morning readings highest 74° at Brindisi, 71° at Trieste, Algiers and Sfax, and 69° at Siphon; above 60° in most parts of central, southern and eastern Europe. Lowest 30° at Kuopio, 32° at Uleaborg, 33° at Haparanda, and 34° at St. Petersburg and Moscow; below 40° over the northern parts of Sweden and Russia generally. Rising during day to between 60° and 65° in many parts of the United Kingdom, and reaching 67° at Cambridge. Exceeding 70° at several of the French and German stations.

Wind fresh or strong from the S<sup>W</sup> or S<sup>W</sup><sup>W</sup> over the south of our Islands and the west of France, light or moderate from the S<sup>W</sup> in the northern parts of the United Kingdom and from the SE<sup>W</sup> over Scandinavia and Denmark. N<sup>W</sup> or NW<sup>W</sup> over the northern and central parts of Russia. Cyclonic circulation of light winds reported over Austria and eastern Germany; E<sup>W</sup> over Italy. Subsequently veering to the W<sup>W</sup> in the south of Ireland and the west of France, no important change elsewhere.

Barometer (1) highest 30.3 in. and upwards over the southern parts of the Gulf of Bothnia, 30.1 in. and upwards over the whole of Sweden and northern Russia; (2) 30.1 in. to 30.2 in. over Algeria and the south of Spain. Lowest 29.4 in. and less in a depression lying off our extreme western coast, 29.8 in. and less in a shallow system lying over Galicia. Depression in west subsequently advancing northwards, but changes in pressure over our Islands very irregular.

### 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, 21<sup>ST</sup> MAY, 1893

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

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

		YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.						SHADE TEMP.				
STATIONS.		Reading at 32° F. and Sea Level.	Dry Bulb.	Dew Pt.	Force (0 to 12).	Dir.	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.		
		Inch.	°					Inch.		°	°										Inches.	
SCANDINAVIA.	Haparanda ...	30.23	33	27	2	E	c	30.26	+0.1	38	34	+2	SW	2	b	1	c	45	23	—		
	Hernösand ...	30.20	41	35	2	NE	o	30.24	+0.4	45	42	+3	NE	2	b	1	o	55	27	—		
	Stockholm ...	30.21	42	36	2	SE	b	30.28	+0.7	34	44	+10	SE	2	b	1	o	55	27	—		
	Wisby ...	30.14	41	35	4	SE	b	30.21	+0.6	32	42	+10	SE	6	b	1	o	55	27	—		
	Bodo ...	30.04	47	38	2	E	b	30.02	-0.5	53	45	+8	SE	2	b	1	o	55	24	—		
	Christiansund...	29.97	36	30	1	NE	b	30.00	+0.3	37	30	+3	2	o	b	1	b	37	30	—		
	Skudesnaes ...	29.91	35	29	4	SE	o	29.96	+0.4	35	46	+11	SE	4	o	2	o	37	30	—		
	Christiania Fjord (Fæder)	30.04	36	30	2	NE	bc	30.12	+0.4	32	46	+14	NE	4	bc	1	bc	37	30	—		
	Skagen (The Scaw)	30.02	32	26	1	SE	bc	30.07	+0.5	33	49	+16	SE	3	c	1	bc	63	30	—		
	Fanø ...	29.89	31	25	6	SE	c	29.91	+0.2	34	51	+17	E	4	c	1	c	63	30	—		
BRITISH ISLANDS.	Sumburgh Head	29.64	48	38	4	SE	r	29.69	+0.4	48	48	0	SE	3	r	6	o, r	58	46	0.02		
	Stornoway ...	29.44	58	48	2	o	bc	29.52	+0.8	58	52	-6	2	o	o	2	o, bc	61	46	0.02		
	Wick ...	29.51	50	42	2	o	bc	29.62	+0.7	50	50	-1	SW	3	o	1	o	58	47	—		
	Nairn ...	29.45	62	52	2	o	bc	29.58	+0.8	57	54	0	E	3	c	1	bc	63	49	—		
	Aberdeen ...	29.38	51	42	2	bc	bc	29.63	+0.8	50	49	-1	SE	2	o	4	bc	58	47	0.03		
	Leith ...	29.50	61	50	1	o	o	29.56	+0.6	60	54	+4	SE	2	bc	1	o	64	50	0.21		
	Shields ...	29.54	52	42	1	W	bc	29.63	+0.3	53	49	0	S	2	bc	2	bc	61	49	0.30		
	Spurn Head ...	29.57	53	42	5	W	bc	29.64	+0.7	56	53	-3	S	3	bc	3	bc	62	49	0.32		
	York ...	29.58	55	44	1	W	c	29.66	+0.1	57	53	-4	S	3	bc	1	c	63	46	0.20		
	Loughborough	29.59	58	47	3	W	bc	29.68	+0.7	54	50	-4	SW	3	bc	1	bc	66	44	0.16		
BRITISH ISLANDS.	Ardrossan ...	29.46	53	42	2	o	bc	29.52	+0.1	52	52	-1	E	3	cp	2	bc	61	49	0.25		
	Malin Head ...	29.43	52	41	1	o	bc	29.51	+0.2	48	48	-6	SE	3	o	1	o, bc	58	48	0.23		
	Mullaghmore ...	29.46	53	42	2	bc	bc	29.55	+0.5	53	51	0	SW	2	bc	1	bc	59	47	0.01		
	Belmullet ...	29.47	54	43	5	bc	bc	29.52	+0.7	51	50	-1	SE	3	m	3	bc	62	49	0.02		
	Liverpool (Bilston)	29.50	54	43	1	W	bc	29.62	+0.9	52	48	-4	SE	2	c	1	bc	63	48	0.20		
	Holyhead ...	29.49	52	41	4	bc	bc	29.57	+0.7	49	48	-1	SW	4	cp	3	bc	61	47	0.07		
	Parsonstown ...	29.49	51	40	2	W	bc	29.58	+0.9	50	49	-1	2	o	o	1	bc	56	46	0.15		
	Valencia ...	29.58	54	43	4	bc	bc	29.61	+0.8	52	53	+1	SW	2	cp	2	bc	58	48	0.04		
	Roche's Point	29.51	54	43	3	cp	bc	29.60	+0.9	54	50	+1	W	4	c	4	cp	58	46	0.01		
	Pembroke (St. Ann's Rd.)	29.51	54	43	3	bc	bc	29.63	+0.1	52	49	0	SW	3	bc	3	bc	58	47	0.25		
BRITISH ISLANDS.	Scilly ...	29.58	54	43	4	cp	bc	29.67	+0.1	52	52	-3	SW	4	bc	3	c, cp	58	49	0.13		
	Prawle Point ...	29.60	51	40	4	c	bc	29.70	+0.7	53	50	-1	SW	2	bc	1	cp	58	46	0.10		
	Jersey (St. Aubin's)	29.67	53	42	4	cp	bc	29.71	+0.8	53	51	-2	SW	3	bc	3	cp	60	49	0.24		
	Hurst Castle ...	29.63	53	42	6	bc	bc	29.70	+0.1	53	52	-1	SW	3	bc	3	cp	61	51	0.13		
	Dungeness ...	29.67	57	46	4	cp	bc	29.72	+0.2	56	54	0	SW	2	o	2	bc, cp	62	52	0.01		
	North Foreland	29.68	56	45	3	cp	bc	29.73	+0.1	56	54	-3	S	3	c	2	bc, cp	63	51	0.01		
	London ...	29.63	58	47	2	o	bc	29.73	+0.3	58	52	-6	SW	2	bc	1	cp	66	49	0.03		
	Oxford ...	29.61	53	42	1	bc	bc	29.70	+0.5	52	48	-4	S	1	bc	1	bc	62	46	0.06		
	Cambridge ...	29.62	58	47	5	o	bc	29.71	+0.4	56	52	-4	S	3	bc	1	o	63	47	0.09		
	Yarmouth ...	29.68	56	45	5	c	bc	29.73	+0.2	53	53	-2	SE	4	bc	3	c	59	51	0.02		
GERMANY & HOLLAND.	Cuxhaven ...	29.85	54	43	2	E	bc	29.90	+0.2	54	53	0	SE	3	o	1	bc	61	50	0.24		
	Berlin ...	29.87	56	45	2	o	bc	29.93	+0.8	54	51	-3	NE	2	o	1	o	63	52	—		
	Wiesbaden ...	29.87	56	45	2	o	bc	29.93	+0.8	54	51	-3	NE	2	o	1	o	63	52	—		
	Munich ...	29.94	56	45	2	o	bc	29.93	+0.8	54	51	-3	E	1	bc	1	bc	64	45	—		
	The Helder ...	29.81	53	42	1	bc	bc	29.84	+0.3	53	56	0	S	1	c	1	bc	64	45	0.01		
FRANCE AND BELGIUM.	Brussels (9 a.m.)	29.80	54	43	2	bc	bc	29.80	+0.4	60	56	+4	SW	2	o	1	c	65	52	0.04		
	Cape Gris Nez	29.69	60	49	4	c	bc	29.72	+0.3	56	53	-3	SW	2	c	2	c	66	52	0.12		
	Paris ...	29.82	53	42	2	bc	bc	29.78	+0.3	56	53	+1	SE	1	bc	1	bc	66	51	0.04		
	Brest ...	29.82	53	42	2	bc	bc	29.78	+0.3	56	53	+1	SE	1	bc	1	bc	66	51	0.04		
	Lorient ...	29.73	53	42	6	o	bc	29.69	+0.3	51	53	-4	2	o	7	4	o	61	50	0.35		
	Rochefort ...	29.83	60	49	4	o	bc	29.73	+0.6	53	52	-1	SW	3	7	1	7, o	63	52	0.43		
	Belfort ...	29.83	60	49	4	o	bc	29.73	+0.6	53	52	-1	SW	3	7	1	7, o	63	52	0.43		
	Lyons ...	29.83	60	49	4	o	bc	29.73	+0.6	53	52	-1	S	1	o	1	c, bc	70	51	0.20		
	Nice ...	29.87	63	52	0	c	bc	29.93	+0.2	58	53	-5	E	1	c	1	c	68	52	—		
	Perpignan ...	29.84	71	60	1	bc	bc	29.76	+0.6	62	60	+2	2	o	o	1	bc	76	56	—		
PENINSULA.	Biarritz ...	29.87	66	55	2	bc	bc	29.73	+0.3	61	53	-8	SW	3	o	3	bc	72	53	—		
	Corunna ...	30.06	53	42	4	bc	bc	30.17	+0.1	53	53	-2	SW	4	7	1	bc	64	53	—		
PENINSULA.	Lisbon ...	30.06	53	42	4	bc	bc	30.17	+0.1	53	53	-2	SW	4	7	1	bc	64	53	—		

For Explanation of Columns...

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> May 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

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

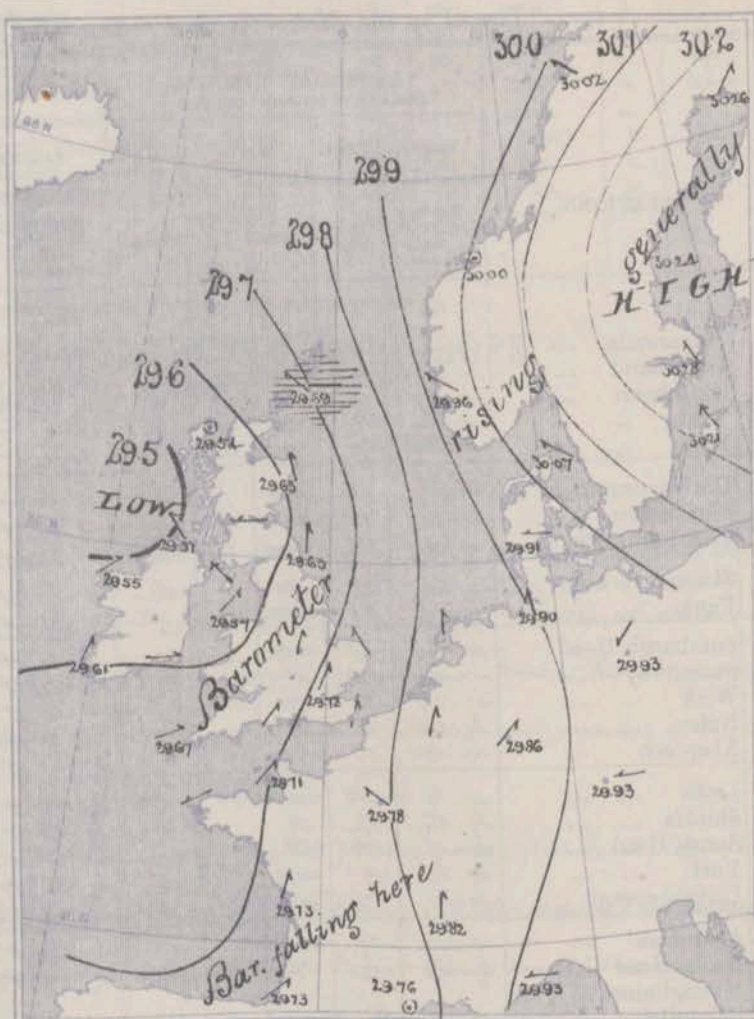
— = Rough. — = High.

## MEAN HEIGHT OF THE BAROMETER

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

During the 25 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sunburgh Head	29.879
Stormway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Aldromach	29.935
Mullaghmore	29.920
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.938
Valencia	29.963
Rocha's Point	29.959
Pendrogo	29.961
Sally	29.974
Prawle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

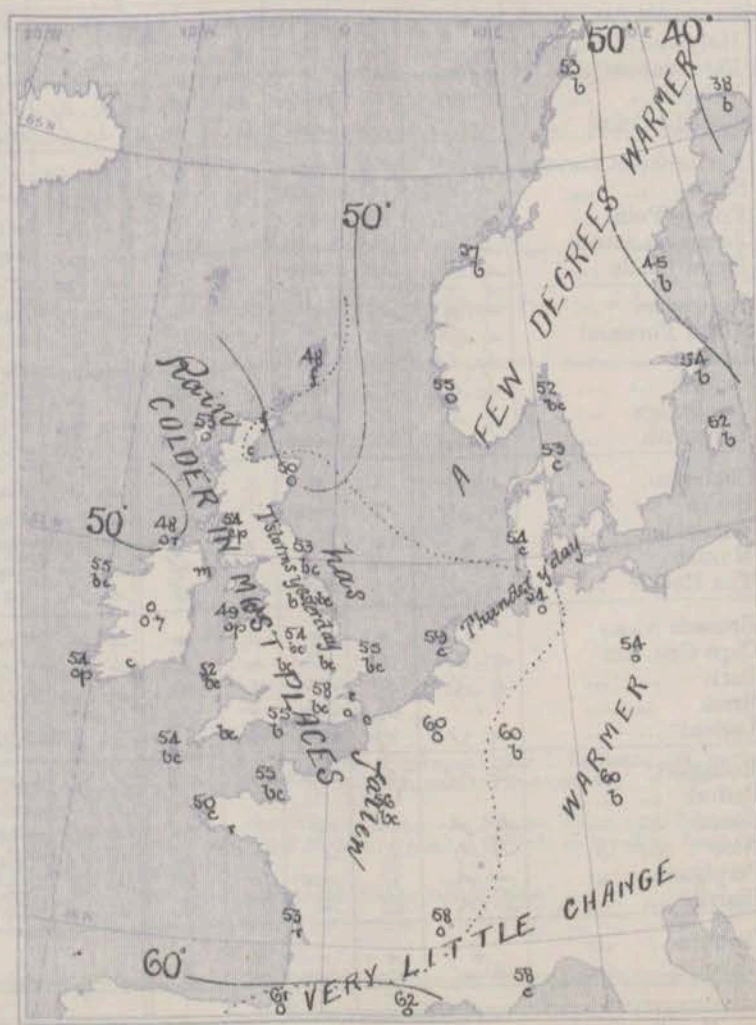
**WEATHER** is shown by letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sunburgh Head	50.3	40.2	46.1	44.0	1.72
Stormway	53.3	41.1	48.0	46.4	2.01
Wick	53.0	40.6	48.1	45.6	1.69
Nairn	50.2	42.2	48.8	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.90
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.8	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.00
Aldromach	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.9	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	43.0	50.8	46.9	1.91
Parsonstown	59.5	42.7	51.9	47.8	2.34
Valencia	58.1	46.3	52.8	49.7	3.20
Rocha's Point	58.9	40.2	51.7	48.8	3.14
Pendrogo	55.9	45.9	49.9	47.7	2.03
Sally	54.3	48.2	52.7	50.3	1.73
Prawle Point	50.0	46.3	51.4	49.4	1.56
Jersey	59.4	47.2	52.6	50.5	1.87
Hurst Castle	59.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.8	1.70
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.3	45.4	50.6	47.5	1.93
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.6	50.6	48.1	1.80

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.2 inches and upwards in an anticyclone lying over Sweden; 30.1 inches and upwards in another system lying off the Portuguese coast.  
Lowest 29.5 inches and less in a shallow depression lying off the northwest of Ireland.

Gradients slight.

Barometer rising at all but the French stations.

## TEMPERATURE

Highest 62° at Perpignan, 61° at Biarritz, 60° at Leith, 59° at Aberdeen and Wick, 58° at the Humber, 57° at London and 56° at Lyons & other.

Lowest (1) 38° at Lorient, 40° at Brest, 41° at Val-de-Vie and 42° at Nantes; (2) 44° at Lough Neagh and 45° at Lough Erne.

During yesterday the thermometer rose to between 65° and 68° over the island parts of England, but in some parts of the out-lying coasts it did not exceed 55°.

## WIND

Light to moderate from the south or southeast over the greater part of England, France and the Netherlands, as well as in the west of Ireland.

Southeasterly or easterly over Scotland and the north of Ireland as well as on the eastern shore of the North Sea.

Fine over the eastern, central and southern parts of the United Kingdom as well as in Scandinavia and the Empire of Germany.

Dull elsewhere with showers at some of our western stations, and with steady rain in the west of France.

## WEATHER

In the course of the past six hours rain has fallen in most parts of our islands and France, the largest amounts being 0.7 inch at Bournemouth and 0.4 inch at Lorient and Rochefort. Thunderstorms occurred yesterday in the northeast of England.

## SEA

Slights or smooth generally, but rough at Lough Neagh Head.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 22<sup>nd</sup> May.

1893.

### DISTRICTS.

### FORECASTS.

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

*None forecast.*

### DISTRICTS.

### FORECASTS.

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

*None forecast.*

### 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 ...	27.52	57	53	SE	6	c	2	Valencia ...	27.56	57	53	SE	4	c	4	
Sumburgh Head ...	27.5	53	53	SE	4	o	6	Scilly ...	27.56	53	53	SE	4	c	4	
Stornoway ...	27.48	57	53	SE	3	7	2	Jersey ...	27.68	60	56	SE	4	c	4	
Aberdeen ...	27.53	51	53	SE	4	22	5	Hurst Castle ...	27.66	52	52	SE	6	7	4	
Shields ...	27.54	57	53	SE	3	5	2	Dungeness ...	27.72	60	56	SE	4	c	4	
Ardrossan ...	27.46	58	56	2	0	bc	0	North Foreland ...	27.70	62	57	5	5	bc	4	
Malin Head ...	27.43	54	53	SE	2	of	0	London ...	27.66	64	54	5	4	c	4	
Mullaghmore ...								Yarmouth ...	27.70	58	53	SE	5	bc	4	
Belmullet ...	27.46	56	52	SE	3	bc	2	Rochefort ...	27.69	58	54	SE	5	7	4	
Holyhead ...	27.53	58	53	SE	2	bc	2									

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

Weather changeable and showery over the greater part of the United Kingdom, but fine at several of our eastern and southern stations. Dull in many parts of Germany, France, Spain and Northern Italy, with rain in places; fine and bright in Scandinavia, Russia and the south of Italy. Showers falling during day in most parts of Western Europe, — heavily at some of our western stations. Thunder and lightning occurring in the north of England.

Temperature changed little and irregularly. Morning readings highest 78° at Brindisi and Malta, 68° at Barcelona, La Calle and Tunis and 67° at Rome, Naples and Palermo; above 65° in most parts of Southern Europe, and just reaching that point at Cambridge. Lowest 33° at Moscow, 35° at St. Petersburg, 36° at Kopenhagen and 37° at Ulenborg, Kiepsio and Hongi. Rising during day to between 65° and 68° over the central part of England, and 67° or more over Germany and the southern parts of France.

Wind Westerly in Spain; Southwesterly or Southerly over England, Ireland, France and the Netherlands; Southeasterly in Scotland and also on the eastern shore of the North Sea. Light and variable over Russia and Austria; Southerly or Southwesterly in Italy; chiefly Northerly in Algeria. No important change occurring during day.

Barometer highest 30.2 inches and upwards over the northern part of Russia; 30.1 inches and upwards in another system lying off the south of Spain. Lowest 29.4 inches and less in a depression lying to the northward of our Islands; 29.8 inches and less in a very shallow system over Poland. Depression in northwest subsequently deepening gradually but shallow subsidiary disturbances appearing over the south and east of our Islands.

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

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

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

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

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> May,

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Wet Bulb.	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.				
Ins.	°	Dir.	Force (0 to 12).	Weather.	Ins.	°	°	°	°	°	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Ins.			
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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 Monday, 22<sup>nd</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10 → forces 8 to 10;

→ forces 5 to 7 → forces 1 to 4.

→ dead calm.

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

→ Rough. → High.

## MEAN HEIGHT OF THE BAROMETER

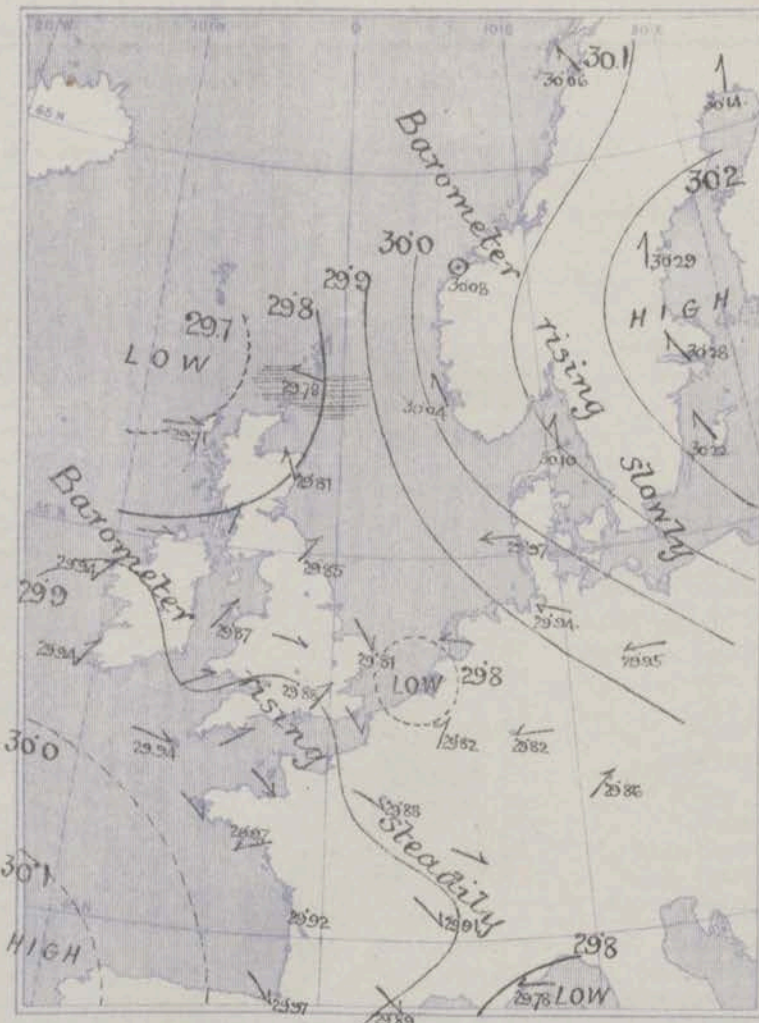
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sandburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.950
York	29.962
Loughborough	29.973
Armagh	29.985
Mullaghmore	29.989
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parslowtown	29.938
Valencia	29.903
Rosetta's Point	29.859
Pembroke	29.901
Sally	29.974
Praslin Point	29.992
Jersey	29.980
Harbour Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.970
Weymouth	29.967



## 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.

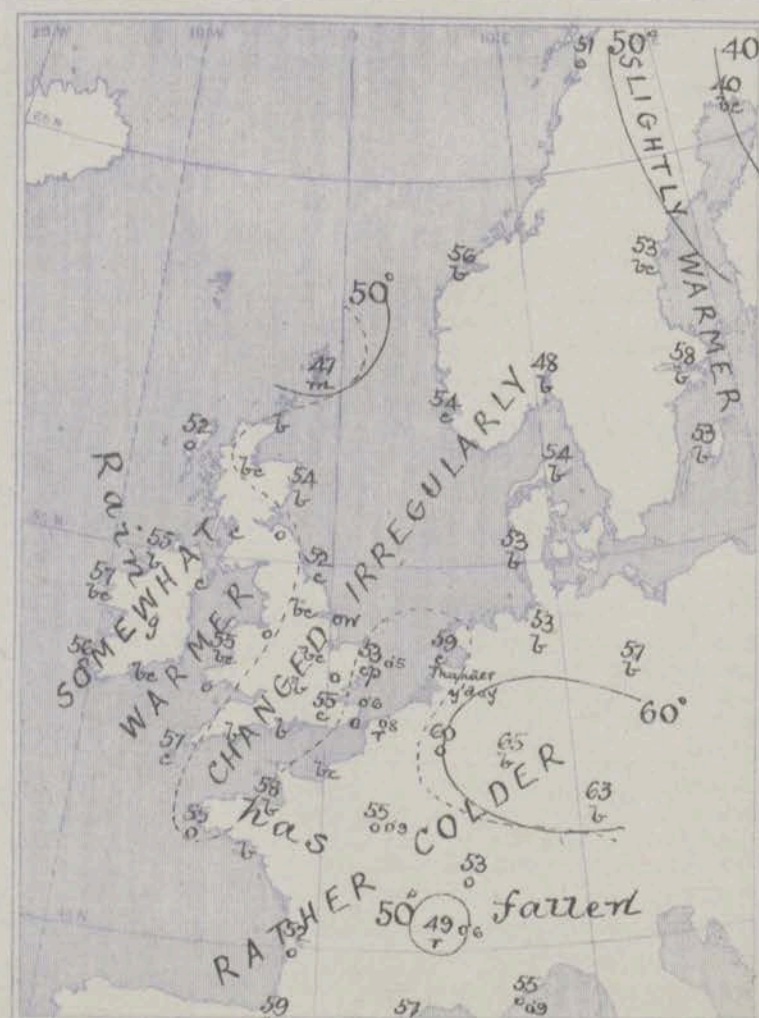
**WEATHER**—is shown by Letters of the Beaufort Scale.

**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of .05 in. or more are quoted in figures.

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

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet	
Sandburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	53.0	40.6	48.1	45.6	1.60
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.1	1.30
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.09
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.0	42.2	49.8	46.7	1.83
Loughborough	61.7	42.6	51.1	47.7	2.01
Armagh	56.5	43.0	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.20
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parslowtown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Rosetta's Point	58.0	46.2	51.7	48.8	3.13
Pembroke	59.0	45.9	49.9	47.7	2.03
Sally	56.3	48.2	52.7	50.3	1.73
Praslin Point	56.6	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Harbour Castle	58.0	45.7	51.9	49.9	1.77
Dover	57.0	46.7	52.5	49.5	1.70
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	45.4	50.6	47.5	1.06
Cambridge	62.0	42.0	51.7	48.5	1.00
Weymouth	65.4	44.9	50.6	46.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.2 ins. and upwards in an anticyclone lying over Sweden and the Gulfs of Finland and Bothnia and also in another system over Portugal.

Lowest 29.7 ins. and less in a shallow depression lying to the northward of the Helvides, 29.8 ins. and less in a still shallower system lying between the coasts of Norfolk and Holland.

Gradients slight and rather irregular. Barometer rising generally.

Highest <sup>65° at Stockholm</sup> 61° at Munich, 60° at Brussels and Lisbon, 59° at Helder and Biarritz and 58° at Stockholm, Liverpool, Jersey and Hurst Castle.

## TEMPERATURE

Lowest 40° at Naparanda, 47° at Sumburgh H., 48° at Funchal, 51° at Lorient, 52° at Stornoway, Shields and <sup>and at London</sup> Cambridge.

The highest maxima registered over our Islands yesterday were 68° at Hurst, and 67° at Cambridge.

## WIND

Light from the S.W. or S.W. over the greater part of Ireland and Scotland, but W. or N.W. at most of the English and French stations.

S.E. in Scandinavia; E. over Denmark and north Germany.

Fair over the United Kingdom generally, but showery at Guernsey, and rainy at the North Foreland, as well as at Cape Gris Nez.

## WEATHER

Fine and bright over the greater part of the Continent, but dull over central France with rain at Lyons. In the course of the past 24 hours showers have fallen at several of our western and extreme northern stations and heavy rain over France and the extreme S.E. of England. Sleet and snow halos were seen yesterday at several of our southern stations.

## SEA

Slight or smooth generally, but rather rough at Sumburgh Head.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression off the Norfolk coast appears to be filling up, and fair weather seems likely to continue over the greater part of England.

## FORECASTS

For the 24 hours ending at NOON on 23<sup>rd</sup> MAY. 1893.

### DISTRICTS.

### FORECASTS.

- |   |                  |   |
|---|------------------|---|
| 0 | SCOTLAND NORTH   | { S.W. and S.W. winds, light; fair generally. |
| 1 | SCOTLAND EAST    |   |
| 2 | ENGLAND N.E.     | S.W. winds, light; fair generally.            |
| 3 | ENGLAND EAST     | { N.W. to W. winds, light; fair generally.    |
| 4 | MIDLAND COUNTIES |   |
| 5 | ENGLAND SOUTH    |   |

### DISTRICTS.

### FORECASTS.

- |          |               |  |
|----------|---------------|--|
| 6        | SCOTLAND WEST | { Same as No. 2  |
| 7        | ENGLAND N.W.  |  |
| 8        | ENGLAND S.W.  | W. to S.W. winds, moderate fair to showery.                |
| 9        | IRELAND NORTH | { S. and S.W. winds, moderate; fair to dull and some rain. |
| 10       | IRELAND SOUTH |  |
| WARNINGS |               | None Issued.   |

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.93	57	51	SSE	4	c	2	Valencia ...								
Sumburgh Head								Scilly ...								
Stornoway ...	29.55	58	65	S	3	bc	3	Jersey ...	29.75	59	53	rrw	3	c	3	
Aberdeen ...								Hurst Castle ...								
Shields ...								Dungeness ...	29.74	57	54	E	1	c	0	
Ardrossan ...								North Foreland ...	29.51	54	53	SE	2	r	2	
Malin Head ...	29.56	51	50	ESE	3	0	1	London ...								
Mullaghmore ...								Yarmouth ...								
Belmullet ...	29.63	57	54	NW	2	0		Rochefort ...	29.72	56	54	WSW	4	r		
Holyhead ...	29.65	51	50	SW	4	pg	4									

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

*The Continental information has not arrived.*

### SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 14<sup>TH</sup> TO THE 20<sup>TH</sup> MAY 1893.

*This week has witnessed the breaking up of the drought which has lasted over the greater part of England since the beginning of March, and has at times extended for shorter intervals to Ireland and Scotland.*

*On Monday a low pressure area was lying off the southwest of Ireland, whence a 'V' extended to the eastward over the north of France and south of England, and some rain therefore fell over the north and southwest of France, and a few of the western parts of our Islands. The disturbance increased slowly, and by Wednesday morning rain had occurred in nearly all parts of Ireland, England and the north of France, and had been heavy at Roches Point, considerable at Dorset; thunderstorms had occurred in a few places and heavy hail showers locally in the southwest. On Thursday the showery weather had spread all over the United Kingdom, with thunderstorms in many places, but, in a few northern localities and the southeast of England the fall was not large. On Friday and Saturday there was not much further change — except that the wind, which at the beginning of the week was northeasterly to southeasterly, had veered gradually round to southwest at the southern stations and was blowing very fresh over the Channel. There was a marked reduction in the day temperatures during the week.*

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

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

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

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 23<sup>RD</sup> MAY.

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.								SHADE TEMP.		Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (6 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 (6 to 12).	Weather.	Sea (6 to 9).	Weather.	Max.	Min.				
SCANDINAVIA.	Haparanda ...	30.13	28	Z	0	b	30.18	+ 0.4	40	40	0	S	2	b	#	b	?	28	—	—	
	Hernösand ...	30.24	48	ENE	2	b	30.20	— 0.9	46	44	— 7	S	2	o	#	b	55	45	—	—	
	Stockholm ...	30.24	51	ENE	2	o	30.15	— 0.3	55	51	— 3	SE	4	o	#	o	63	39	—	—	
	Wisby ...	30.19	50	SE	4	bc	30.16	— 0.6	55	52	+ 2	S	2	o	#	bc	61	45	—	—	
	Bodö ...	30.10	54	Z	0	b	29.94	— 0.12	56	48	+ 5	E	4	bc	2	b	56	46	—	—	
ISLANDS.	Christiansund...	30.02	56	WSW	2	b	29.90	— 0.18	53	41	— 3	WSW	1	r	0	b	63	50	0.04	—	
	Skudesnaes ...	29.99	52	SSE	4	r	29.88	— 0.16	50	49	— 4	S	4	r	2	r	?	48	—	—	
	Christiania Fjord (Pierder)	30.06	52	N	2	c	30.00	— 0.12	55	52	+ 7	SE	3	c	2	c	59	48	—	—	
	Skagen (The Scaw)	30.05	54	SSE	1	c	30.02	— 0.08	55	52	+ 1	SSE	1	o	0	c	66	52	—	—	
	Fanö ...	29.95	52	ESE	10	b	29.91	— 0.06	54	53	+ 1	WSW	4	o	#	b	70	52	—	—	
BRITISH ISLANDS.	Sumburgh Head	29.87	50	SSE	2	c	29.61	— 0.17	48	48	+ 1	SSE	2	m	5	c	55	45	—	—	
	Stornoway ...	29.73	56	S	4	bc	29.48	— 0.23	52	51	0	SW	4	o	5	o, bc	56	49	0.20	—	
	Wick ...	29.79	55	SSW	1	o	29.55	— 0.22	52	50	— 2	S	3	o	1	o	59	48	—	—	
	Nairn ...	29.76	58	W	2	r	29.54	— 0.21	58	55	+ 1	WSW	2	bc	1	r	65	48	0.04	—	
	Aberdeen ...	29.82	56	SSW	3	b	29.64	— 0.17	52	49	— 2	SSW	5	c, g	4	bc, g	59	49	—	—	
BRITISH ISLANDS.	Leith ...	29.80	58	SW	1	c	29.65	— 0.17	58	55	+ 6	SSW	3	r	#	c	65	51	0.02	—	
	Shields ...	29.84	57	SE	2	bc	29.74	— 0.11	54	52	+ 2	SSE	4	c	3	b, bc, r	60	47	0.05	—	
	Spurn Head ...	29.88	56	SSE	3	o	29.84	— 0.04	57	56	+ 4	SSW	4	c, w	3	o	57	51	—	—	
	York ...	29.87	63	WSW	2	bc	29.83	— 0.04	56	53	+ 2	S	1	c	#	bc	67	51	—	—	
	Loughborough	29.90	68	SSW	2	b	29.90	+ 0.01	55	52	+ 1	SW	3	c, w	#	b	73	49	—	—	
BRITISH ISLANDS.	Ardrossan ...	29.82	56	SW	2	c	29.66	— 0.16	53	53	0	SSW	3	bc	2	b, c	58	50	0.20	—	
	Malin Head ...	29.72	58	S	4	o	29.63	— 0.19	54	50	— 1	WSW	5	bc	3	bc, o	59	50	0.08	—	
	Mullaghmore ...	29.69	55	SSW	5	r	29.70	— 0.24	54	52	— 3	WSW	5	bc	#	o, r	60	51	0.27	—	
	Belmullet ...	29.83	58	SE	5	c	29.71	— 0.15	57	56	— 5	WSW	4	b	2	c	61	54	0.06	—	
	Donaghadee ...	29.83	58	SE	5	c	29.71	— 0.15	57	56	— 5	WSW	4	b	2	c	61	54	0.06	—	
BRITISH ISLANDS.	Liverpool (Bidston)	29.87	62	WNW	1	bc	29.80	— 0.08	60	56	+ 2	SW	2	c	3	bc	62	50	0.14	—	
	Holyhead ...	29.91	54	SW	2	b	29.81	— 0.10	53	53	— 2	SW	4	omg	3	b	63	51	0.05	—	
	Parsonstown ...	29.81	58	SE	1	r	29.78	— 0.11	54	53	0	Z	0	bc	#	r	62	51	0.11	—	
	Valencia ...	29.81	57	SSW	4	rm	29.88	— 0.06	56	53	0	SW	4	bc	4	ogm, d	59	52	0.22	—	
	Roche's Point	29.87	55	SSW	4	rm	29.86	— 0.08	56	54	— 1	W	3	p	3	rm	60	53	0.03	—	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.95	55	SW	3	bc	29.88	— 0.01	55	54	+ 2	SSW	4	fgd	4	bc	59	52	0.08	—	
	Scilly ...	30.01	58	WSW	4	c	29.96	+ 0.02	57	57	0	SW	4	m	3	c	61	54	0.01	—	
	Prawle Point ...	30.01	55	SW	3	bc	29.98	+ 0.06	55	55	— 1	WSW	3	ogm	2	bc, f, r	59	52	0.02	—	
	Jersey (St. Aubin's)	30.04	59	W	3	bc	30.06	+ 0.10	55	54	— 3	SSW	3	ond	3	bc, b	61	50	0.02	—	
	Hurst Castle ...	29.98	58	SW	4	b	30.00	+ 0.09	55	54	— 3	SW	4	ond	3	b	64	53	—	—	
BRITISH ISLANDS.	Dungeness ...	29.91	58	W	5	b	29.98	+ 0.14	57	55	+ 2	W	3	of	1	bc, b	62	51	—	—	
	North Foreland	29.92	58	S	2	b	29.98	+ 0.16	60	53	+ 2	S	3	bc	1	bc	66	51	—	—	
	London ...	29.93	69	W	2	b	29.97	+ 0.09	61	53	+ 6	SW	2	b	#	bc, b	72	52	—	—	
	Oxford ...	29.95	61	W	2	b	29.95	+ 0.05	55	53	+ 1	S	2	od	#	b	69	48	—	—	
	Cambridge ...	29.92	71	WSW	2	b	29.94	+ 0.07	61	55	+ 5	SSE	5	b	#	b	73	45	—	—	
BRITISH ISLANDS.	Yarmouth ...	29.90	58	N	3	bc	29.94	+ 0.13	59	55	+ 6	SW	2	b	3	cp, bc	59	49	0.08	—	
	Cuxhaven ...	29.94	58	E	3	bc	29.98	+ 0.04	57	55	+ 4	NNW	4	f	#	bc	65	53	—	—	
	Berlin ...	29.90	73	E	4	b	29.95	+ 0.00	66	60	+ 9	E	3	b	#	b	79	57	—	—	
	Wiesbaden ...	29.86	63	NE	4	b	29.93	+ 0.11	61	57	+ 4	NNW	4	b	#	b	79	54	—	—	
	Munich ...	29.86	63	NE	4	b	29.92	+ 0.06	66	56	+ 3	SE	1	b	#	b	75	50	—	—	
BRITISH ISLANDS.	The Helder ...	29.96	58	SW	1	c	30.04	+ 0.20	56	54	— 3	W	1	b	1	c	66	52	—	—	
	Brussels (S.M.)	30.02	57	SW	3	b	30.02	+ 0.20	57	54	— 3	WSW	1	b	#	b	61	45	—	—	
	Cape Gris Nez	29.73	56	WSW	3	bc	?	?	53	53	0	SW	1	f	#	bc	61	52	—	—	
	Paris ...	29.99	61	NNW	2	o	30.06	+ 0.18	55	52	0	NNW	3	b	#	o	65	46	—	—	
	Brest ...	?	61	NW	2	c	?	?	56	55	+ 1	W	1	o	3	c	63	46	—	—	
BRITISH ISLANDS.	Lorient ...	30.06	59	NNW	5	bc	30.08	+ 0.11	57	55	+ 6	SSW	3	o	2	bc	63	50	—	—	
	Rochefort ...	29.99	60	NNW	5	b	30.06	+ 0.14	57	55	+ 5	N	3	b	#	b	63	52	—	—	
	Belfort ...	?	65	E	3	bc	?	?	60	54	+ 7	E	3	b	#	bc	78	51	—	—	
	Lyons ...	29.93	53	NW	1	r	29.90	— 0.01	50	52	+ 7	NNW	2	o	#	b	57	49	0.39	—	
	Nice ...	29.74	52	E	5	r	29.59	— 0.19	64	53	+ 9	NE	7	c	4	r	61	50	0.28	—	
BRITISH ISLANDS.	Perpignan ...	29.91	58	NW	5	o	29.84	— 0.05	58	54	+ 1	NNW	6	o	#	o	64	52	—	—	
	Biarritz ...	30.05	60	NNW	3	c	30.11	+ 0.14	59	54	0	NNW	5	o	4	c, b	63	55	—	—	
	Corunna ...	30.19	59	N	5	b	30.16	— 0.07	64	58	+ 4	NNE	5	b	#	b	66	57	—	—	
	Lisbon ...	30.19	59	N	5	b	30.16	— 0.07	64	58	+ 4	NNE	5	b	#	b	66	57	—	—	

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 Tuesday 23<sup>rd</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10. → forces 8 to 10.

→ forces 5 to 7. → forces 1 to 4.

○ dead calm.

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

— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

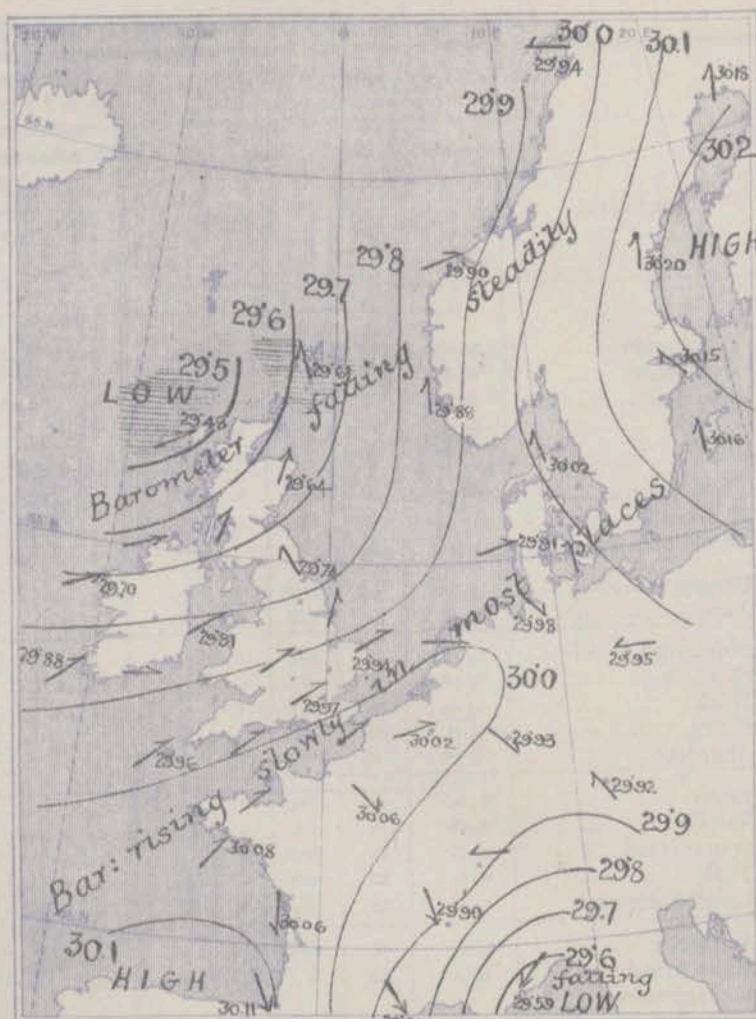
at 8 a.m. for the month of May

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunbury Head	29.870
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Glasgow	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Ardrum	29.985
Mullaghmore	29.989
Dunghaden	29.997
Holyhead	29.998
Liverpool	29.999
Parsloftown	29.999
Valencia	29.999
Rosetta Point	29.999
Pondyke	29.999
Sally	29.999
Pravle Point	29.999
Jersey	29.999
Hurst Castle	29.999
Dover	29.999
LONDON	29.999
Oxford	29.999
Cambridge	29.999
Yarmouth	29.999



## 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.

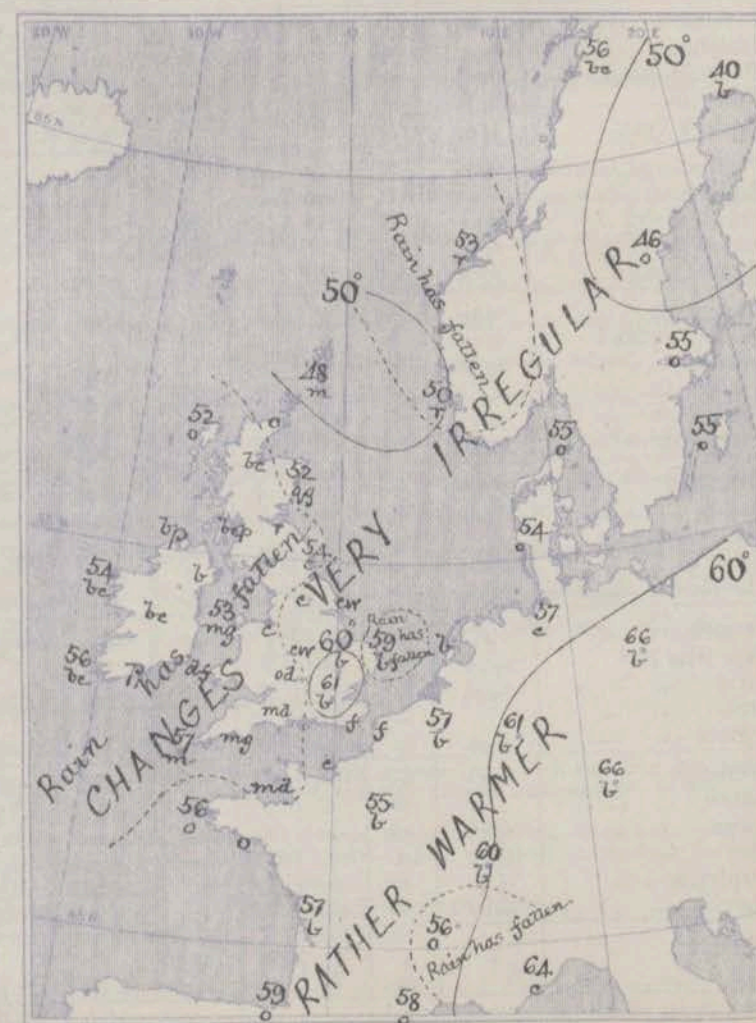
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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

(For the month of May.)

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Nairn	50.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.0	48.0	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.97
Glasgow	54.4	42.0	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	50.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.00
Ardrum	56.5	43.0	49.5	46.7	2.34
Mullaghmore	56.7	40.3	50.2	47.4	2.42
Dunghaden	56.0	44.2	49.0	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.0	1.84
Parsloftown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	40.3	52.8	49.7	3.20
Rosetta Point	58.0	40.2	51.7	48.8	3.14
Pondyke	55.0	45.9	49.9	47.7	2.03
Sally	50.3	48.2	52.7	50.3	1.73
Pravle Point	50.6	45.3	51.4	49.4	1.50
Jersey	50.4	47.2	53.0	50.5	1.87
Hurst Castle	58.6	45.7	51.0	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.0	50.6	48.1	1.86

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 10.2 inches and upwards over the Gulf of Bothnia, 10.1 inches and upwards over the Spanish Peninsula.  
Lowest 9.5 inches and less in a depression lying off the northwest of Scotland, 9.6 inches and less in another disturbance over the Gulf of Genoa.

Grading material over the northern parts of our Islands and the North Sea, but slight elsewhere.

Stromatolites falling in Scandinavia, Denmark and the north of our islands, as well as in the south of France, that rising in most other localities.

TEMPERATURE

Height (1) 65' at Berlin and Munich, 64' at Nice and Lisbon, and 61' at Wiesbaden; (2) 61' in London and at Cambridge and 60' at Liverpool, and the North Folcland.

Great 46' at Harsund 46' at Hornsund 46' at Lundeby Head 53' at Husebreen and 52' at Hornøya Thord and at Hopen.

The highest maxima registered over our islands yesterday were  $70^{\circ}$  at Loughborough and Cambridge, and  $72^{\circ}$  in London.

WIND

Lights moderate from the Southward & Southwardward in our Island, and from the Southwardward out the greater part of Scandinavia.

Northwesterly over Western Germany and the central and southern parts of France, but strong from the northeastward at once.

WEATHER

changeable and showery in many parts of the United Kingdom, but fine and bright in the southeast of England and also in the northlands Germany and the north of France.

Pull in most of the Scandinavian and Danish stations, with rain in the east of Norway.

In the course of the past six hours rain has fallen at our western and central of our northern stations, the largest amount being (0.5 inch at Galesburg)

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Scotland will probably travel away to the northward, but there is some tendency for the formation of shallow secondary disturbances out over Iceland and showers are therefore likely to prevail in many districts.

## FORECASTS

For the 24 hours ending at NOON on 24<sup>TH</sup> MAY. 1893.

## DISTRICTS.

## FORECASTS.

DISTRICTS.FORECASTS.

Southwesterly winds, light & moderate;  
fair generally, but a few slight showers.

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

Some as well v. and f.  
Southeasterly winds, fresh, changeable  
Some showers.  
None issued.



# 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 ...	30.52	59	50	W <sup>6</sup> W	1	0	2	Valencia ...	25.88	56	55	0	4	0 gnd	4
Sumburgh Head ...	29.80	52	51	SE	3	C	3	Scilly ...	25.58	60	56	W <sup>6</sup> W	4	C	3
Stornoway ...	29.72	54	52	W	4	0	4	Jersey ...	30.01	60	54	WNW	3	b	3
Aberdeen ...	29.82	58	53	WSE	4	bg	4	Hurst Castle ...	25.96	60	56	SW	3	b	3
Shields ...	29.85	58	54	ESE	3	b	2	Dungeness ...	25.80	60	55	WNW	2	bc	1
Ardrossan ...	29.83	59	55	SW	2	b	1	North Foreland ...	29.89	64	59	WNW	2	bc	1
Malin Head ...	29.81	58	51	SE	3	bc	2	London ...	25.90	65	54	WNW	2	b	*
Mullaghmore ...								Yarmouth ...	25.86	54	53	WNW	4	Cy	3
Belmullet ...	29.78	55	52	SW	3	0	*	Rochefort ...	25.98	59	55	WNW	4	C	*
Holyhead ...	29.80	60	58	SW	1	b	2								

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

Weather in morning fine and bright over northern and the greater part of Central Europe, and locally over several of the northern and central parts of our Islands; cloudy and unsettled over the southeast of England, with rain at some coast stations; dull and rainy in the south of France, the northeast of Spain, and over a great deal of the Mediterranean. Rain in the north and west of our Islands later and also in the south of France, but sky clearing very quickly over the southeast of England.

Temperature in morning highest 71° at Brindisi and Trieste, 60° and more over the Mediterranean and coasts of Spain, Italy and southeastern Europe as well as over the west and south of Germany, according 53° in almost all other countries, but lowest 40° at Safavanda, 44° at Moscow, 45° at Hongk, 49° at Sumburgh Head. Rising later to between 69° and 73° over England, 75° to 79° over Germany, but failing to reach 65° over the major part of France.

Wind (1). mainly Northwesterly over the Iberian Peninsula and Bay of Biscay; (2). mainly Easterly to Southeasterly over the northern half of Europe; (3) very variable in small and cyclonic circulations over the British Islands, Western Germany, the south of France, Italy and the Mediterranean. Becoming Southeasterly to Southerly over Ireland and Scotland during day, and backing to Westward in London, — no great change elsewhere.

Baromet highest (1). 30.5 inches and more to 30.0 inches over Russia, the Baltic, Scandinavia and Germany, (2). 30.2 inches and more to 30.0 inches over the Peninsula and Bay of Biscay. Lowest about 29.7 inches over the north of Lewis (Hebrides); about 29.8 inches off the east coast of England; rather below 29.8 inches over the Riviera; and rather below 29.7 inches at Alalta. Falling decidedly in Ireland later rising 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.

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“ Weekly “ “ “ £1 10 0 “



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 24<sup>th</sup> May, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Shade Temp.		Wind.		Weather.	Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.			
				Dir.	Force (0 to 12).				Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.				Force (0 to 12).	Max.		Min.		
		Ina.	°	Dir.	Force (0 to 12).		Ina.	°	°	°							°	Ina.			
SCANDINAVIA.	Haparanda ...	30.00	42	SW	2	bc	29.90	-28	39	39	-1	SW	2	0	#	bc	32	-			
	Hernösand ...	29.98	43	SE	2	f	29.94	-26	48	47	+2	S	4	f	#	54	34	0.04			
	Stockholm ...	30.08	50	S	4	0	29.99	-16	53	51	-2	S	2	0	#	61	48	0.04			
	Wisby ...	30.09	53	S	4	b	30.01	-15	56	54	+1	S	2	0	#	59	43	-			
	Bodö ...	29.85	54	ESE	4	c	29.77	-17	55	?	-1	E	2	bc	1	c	61	46	-		
	Christiansund...	29.76	59	SW	1	c	29.67	-23	58	53	+5	ESE	1	c	1	c	59	53	-		
	Skudesnaes ...	29.80	49	SSE	8	0	29.71	-17	50	49	0	SSE	6	0	4	0	54	48	-		
	Christiania Fjord (Færd)	29.88	55	E	2	bc	29.80	-20	54	54	-1	Z	0	f	1	bc	55	54	-		
	Skagen (The Scaw)	29.86	49	NW	1	f	29.79	-23	50	50	-5	Z	0	r	0	f	66	45	0.32		
	Fanö ...	29.89	48	Z	0	m	29.80	-11	55	50	+1	W	4	b	#	m	57	45	-		
BRITISH ISLANDS.	Sumburgh Head	29.54	50	SW	1	bc	29.57	-04	49	48	+1	Z	0	0	3	r, bc	53	45	0.11		
	Stornoway ...	29.50	52	W	6	c	29.63	+15	52	50	0	W	6	r	5	bc, c	56	45	0.20		
	Wick ...	29.57	55	NW	2	0	29.61	+06	57	54	+5	NW	2	c	1	0	61	47	0.10		
	Nairn ...	29.55	58	W	3	c	29.63	+09	54	52	-4	WSW	2	c	1	c	63	45	0.03		
	Aberdeen ...	29.59	59	WSW	3	bc	29.63	-01	56	51	+4	NW	2	c	2	p, c, bc	65	49	0.10		
	Leith ...	29.63	58	W	2	c	29.66	+01	56	53	-2	WSW	4	0	#	c	64	50	-		
	Shields ...	29.70	61	WSW	3	c	29.71	+03	56	53	+2	W	4	c	2	c	66	48	-		
	Spurn Head ...	29.76	60	SW	3	0	29.79	+05	57	56	0	WSW	4	c	3	op	67	51	0.03		
	York ...	29.78	61	W	2	c	29.80	+03	57	54	+1	W	3	0	#	c	65	51	0.01		
	Loughborough	29.82	62	WSW	3	0	29.87	+03	56	52	+1	WSW	3	0	#	op	70	50	-		
GERMANY & HOLLAND.	Ardrossan ...	29.66	52	SSW	3	cp	29.73	+07	53	52	0	WSW	2	c	1	cp	57	50	0.09		
	Malin Head ...	29.61	52	WSW	5	ogp	29.76	+13	52	51	-2	NW	5	odp	3	c, gp	58	50	0.08		
	Mullaghmore ...	29.71	53	W	5	om	29.95	+25	53	53	-1	NW	5	0	#	ogp, om	56	51	0.35		
	Belmullet ...	29.71	57	WSW	4	c	29.80	+09	54	52	-5	WSW	4	c	2	c	63	53	0.11		
	Donaghadee ...	29.71	57	WSW	4	c	29.80	+09	54	52	-5	WSW	4	c	2	c	63	53	0.11		
	Liverpool (Bliston)	29.80	59	WSW	4	c	29.85	+05	55	52	-5	WSW	5	0	4	c	63	52	0.03		
	Holyhead ...	29.81	55	SW	3	bc	29.88	+07	54	52	+1	W	4	og	3	c, bc	61	51	-		
	Parsonstown ...	29.80	54	SW	1	r	29.92	+14	56	53	+2	SW	2	og	#	c, r, o	60	50	0.05		
	Valencia ...	29.93	55	SW	6	ogam	30.07	+14	56	55	0	NW	4	om	#	cm, am	59	53	0.01		
	Roche's Point	29.92	57	W	4	c	30.01	+15	55	52	-1	WSW	4	0	4	c	61	52	0.01		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.88	56	WSW	5	b	29.95	+07	54	52	-1	W	4	cg	4	b	56	53	-		
	Scilly ...	30.01	58	W	4	b	30.04	+08	56	55	-1	W	5	0	5	c, b	60	54	-		
	Prawle Point ...	29.96	56	WSW	4	bc	30.01	+03	53	53	-2	W	4	cg, p	3	f, bc	58	51	0.01		
	Jersey (St. Aubin's)	30.01	59	W	4	odm	30.06	+00	58	54	+3	W	3	cm	3	b, o, m	64	53	0.01		
	Hurst Castle ...	29.95	57	WSW	5	bcm	29.97	-03	57	55	+2	WSW	3	bc	3	bcm	61	53	-		
	Dungeness ...	29.90	57	WSW	5	c	29.91	-07	58	54	+1	W	3	b	2	c	62	48	-		
	North Foreland	29.89	57	S	4	bc	29.91	-07	59	57	-1	W	4	bq	5	b, bc	67	49	-		
	London ...	29.90	63	S	2	0	29.93	-04	58	53	-3	WSW	3	c	#	c, c, p	66	47	0.01		
	Oxford ...	29.89	57	WSW	2	b	29.91	-04	58	54	+3	WSW	2	bc	#	b	63	48	-		
	Cambridge ...	29.86	62	SSE	4	0	29.89	-05	59	55	-2	WSW	5	b	#	0	69	46	-		
PENINSULA.	Yarmouth ...	29.84	65	SW	2	bc	29.85	-09	59	57	0	W	3	b	2	bc	66	50	-		
	Cuxhaven ...	29.95	59	NW	3	bc	29.87	-11	61	59	+4	WSW	1	b	#	bc	62	57	-		
	Berlin ...	29.86	75	ESE	3	b	29.78	-17	71	63	+5	SE	4	c	#	b	84	64	-		
	Wiesbaden ...	?	#	#	#	#	?	?	?	?	?	?	?	#	#	#	#	#	-		
	Munich ...	29.85	65	E	3	bc	29.79	-13	59	56	-7	SW	6	r	#	bc	79	50	-		
	The Helder ...	29.94	57	WSW	1	b	29.88	-16	57	55	+1	W	2	c	2	b	64	54	-		
	Brussels (9 a.m.)	?	#	#	#	#	29.92	-10	57	54	0	W	4	0	#	b	72	51	-		
	Cape Gris Nez	29.91	55	?	3	c	29.89	?	53	52	0	W	3	b	3	c	59	50	-		
	Paris ...	29.97	67	NW	2	b	30.00	-06	58	54	+3	WSW	3	c	#	b	70	55	-		
	Brest ...	?	57	W	2	f	?	?	55	53	-1	WSW	3	c	3	f	63	43	-		
PENINSULA.	Lorient ...	30.06	59	W	4	0	30.12	+04	55	52	-2	NW	4	bc	3	0	64	52	-		
	Rochefort ...	30.05	62	WSW	4	0	?	?	59	59	+2	WSW	4	0	#	0	64	57	0.08		
	Belfort ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-		
	Lyons ...	29.87	64	W	3	c	30.00	+10	57	53	+1	W	1	0	#	c	65	53	0.79		
	Nice ...	29.90	69	NE	5	bc	29.96	+37	61	57	-3	E	1	c	2	bc	66	54	0.51		
	Perpignan ...	29.95	63	NW	3	0	30.04	+20	62	54	+4	NW	3	0	#	0	67	58	0.04		
	Biarritz ...	30.07	61	W	4	0	30.12	+01	58	57	-1	W	4	r	2	0	66	55	0.20		
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-		
	Lisbon ...	30.08	62	W	6	b	30.05	-11	68	63	+4	ENE	4	b	#	b	73	59	-		

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<sup>th</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— 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

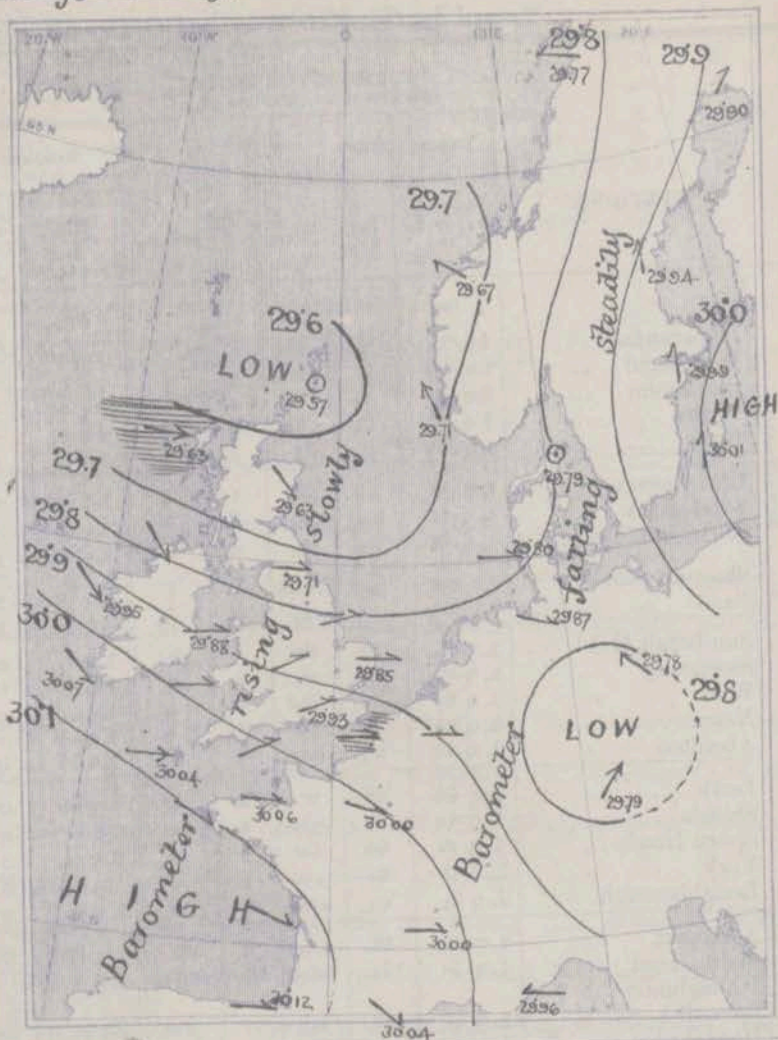
at 8 a.m. for the month of May

During the 20 Years 1871-1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sundburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Lerth	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Androsson	29.983
Mullaghmore	29.920
Dungannon	29.947
Holyhead	29.950
Liverpool	29.961
Barrow-in-Wm.	29.938
Valencia	29.903
Roch's Point	29.959
Pembroke	29.961
Sally	29.974
Priddy Point	29.902
Jersey	29.980
Race Point	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

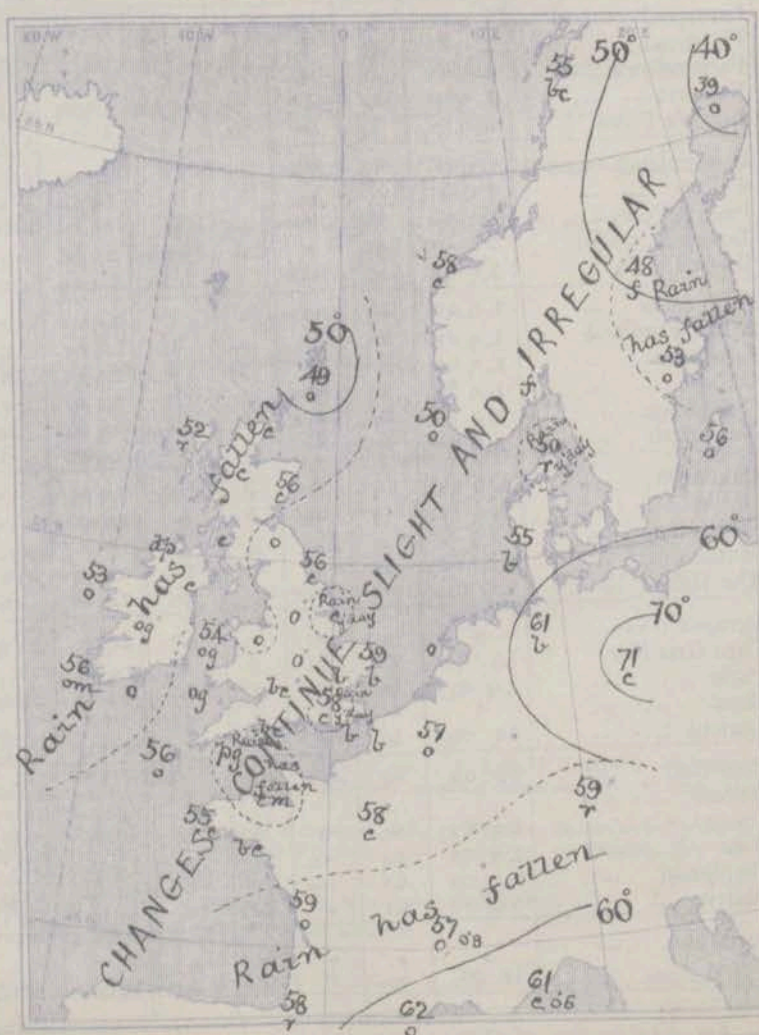
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

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

(For the month of May.)

STATIONS.	TEMPERATURE.				RAINFALL.
	Daily Max.	Daily Min.	Daily Avg.	Wind	
Sundburgh Head	50.7	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	54.9	40.6	48.1	45.6	1.60
Nairn	50.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.09
Lerth	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.57
York	59.9	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.00
Androsson	58.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	40.3	50.2	47.5	2.42
Dungannon	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.00
Liverpool	58.9	45.9	50.8	49.9	1.84
Barrow-in-Wm.	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	2.20
Roch's Point	58.9	46.2	51.7	48.8	2.13
Pembroke	58.0	45.9	49.9	47.7	2.10
Sally	56.2	48.2	52.7	50.3	1.73
Priddy Point	56.0	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.0	50.3	1.87
Race Point	58.0	45.7	51.6	49.9	1.77
Dover	57.9	46.7	52.5	49.3	1.70
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	52.6	47.5	1.05
Cambridge	62.0	42.6	51.7	48.5	1.00
Yarmouth	55.7	44.9	50.0	48.1	1.80

NOTE.—The Temperature means are for the 20 years 1871-90; the Rainfall means are merely those for the 20 years 1880-90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 in. and upwards, in an anticyclone lying over the Bay of Biscay and the neighbouring parts of France and Spain; 30.0 in. and upwards over the Baltic.  
 Lowest, 29.6 in. and less, in a depression lying off the north of Scotland; 29.8 in. and less, in another system lying over Germany.  
 Gradients slight. Barometer rising over our Islands and France, but falling in Scandinavia, Denmark, and Germany.

## TEMPERATURE

Highest 71° at Berlin, 68° at Liebn, 62° at Perpignan, 61° at Cuxhaven and Nice, and 59° at the North Foreland, Cambridge, Yarmouth, Munich, and Rochefort.  
 Lowest, 39° at Haparanda, 48° at Helsingfors, 49° at Leningrad, 50° at Riga and Stockholm, and 52° at Lonsdale and Malin Head.  
 The highest maxima registered over our Islands yesterday were 70° at Loughborough, 69° at Cambridge and 67° at Spinn Head and the North Foreland.

## WIND

Moderate to fresh from the W<sup>nd</sup> or NW<sup>nd</sup> over our Islands, France and the Netherlands; S<sup>ly</sup> or SE<sup>ly</sup> at the Scandinavian stations.  
 A cyclonic circulation is reported over Germany.

## WEATHER

Cloudy or overcast in most parts of Western Europe, with showers at Malin Head and Poulke Point, and with rain at Stromway, Skagen, and Munich. Fine and bright on the east and southeast coasts of England and also in the south of Denmark.  
 Showers fell yesterday in several parts of the United Kingdom, and heavy rain in the south of France.

## SEA

Moderate or slight generally, but rather rough at Stromway, Lally, and the North Foreland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric rise is greatest in the west, and the wind over our Islands seems likely to veer to the NW<sup>nd</sup> very generally. Showers are probable in many districts.

## FORECASTS

For the 24 hours ending at NOON on 25<sup>th</sup> MAY, 1893.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> and NW <sup>ly</sup> winds, light or moderate; changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W <sup>ly</sup> to NW <sup>ly</sup> winds, moderate; changeable, some showers.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	W <sup>ly</sup> to NW <sup>ly</sup> winds, moderate or fresh; fair generally, but local showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	NW <sup>ly</sup> winds, fresh; fair generally, but local showers.
10	IRELAND SOUTH	
WARNINGS		None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	Wet.	WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.												
Skudesnaes ...	29.84	54	51	SS E	6	0	3	Valencia ...	29.92	58	56	SW	6	cm	5
Sumburgh Head ...	29.53	50	50	SS E	3	1	5	Scilly ...	29.98	60	57	W	4	c	3
Stornoway ...	29.50	55	53	W	5	bc	5	Jersey ...	30.03	62	56	W	3	b	3
Aberdeen ...	29.59	60	54	SW	4	cq	3	Hurst Castle ...	29.96	61	56	SW	5	bc	3
Shields ...	29.70	62	57	W	3	c	2	Dungeness ...	29.94	60	56	WSW	5	c	3
Ardrossan ...	29.66	56	53	SSW	3	bc	2	North Foreland ...	29.92	61	61	S	4	b	3
Malin Head ...	29.63	57	50	WSW	5	c	1	London (Westminster) ...	29.91	64	58	S	2	bc	*
Mullaghmore ...								Yarmouth ...	29.89	62	56	SS E	4	bc	3
Belmullet ...	29.71	55	53	WSW	7	opq	*	Rochefort ...	30.06	63	60	WSW	4	b	*
Holyhead ...	29.81	56	54	SW	3	c	3								

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

Weather in morning fine and bright over Iceland, and the greater part of Russia, Germany, France, and Spain; cloudy over the northern countries, with rain in several places, cloudy over the Mediterranean and Black Sea also, rainy at Algiers, Tunis and Odessa. Considerable rain over the south of France later, and showers in many parts of the United Kingdom - chiefly in the west and north.

Temperature in morning highest 70° at Oren and Brindisi, and exceeding 60° over southern Europe generally, as well as over Austria, Northern Germany, and in London. Lowest 40° at Kapanawa, 46° at Kermanshah, 47° at Kaspia, 48° at Sumburgh H., (2) 45° at Kharkov, 47° at Kiev. Rising later to between 65° and 70° over many parts of England and France, to 74° at the Helder, 79° at Munich, and 84° at Berlin.

Wind (1) W to N over the Iberian Peninsula, NE in the south of France, SW and variable over Algeria, SE to E over Italy and the Adriatic; (2) SW to S over the British Islands, S to E over Norway; (3) E to SE and very light over southeastern and central Europe, SE to S in the north. Veering towards W over the United Kingdom later.

Barometer highest 30.0 in. to 30.0 in. over the whole of Russia, Sweden, the Baltic, eastern Germany, Austria, Hungary, and the Balkan Peninsula; (2) 30.2 in. to 30.0 in. over the Spanish Peninsula, the Bay of Biscay, the west and north of France, and the English Channel. Lowest, (1) 29.5 in. and less, in a rather large depression having its centre somewhat to the northward of Stornoway; (2) 29.6 in. and less, in another over the northern part of the Mediterranean. Rising a little over the United Kingdom later, falling over the North Sea, Germany, and the Baltic.

General Remarks on the Weather over Europe for the 24 hours ended at 8 a.m. on May 22<sup>nd</sup> 1893.

Weather in morning fine and bright over Scandinavia, as well as over the Netherlands, the greater part of England, Austria, and some parts of the Mediterranean; cloudy and changeable elsewhere, with showers in the west of our Islands, steady rain over the western half of France, and at several stations over the Peninsula, the Mediterranean, and southern Russia. Much rain later over France, southern, and southeastern Europe later, and a considerable quantity in the east and southeast of England, showers in the west and northwest of our Islands.

Temperature highest 73° at Brindisi, Algiers, Oren, and Barcelona, and exceeding 60° at most of the Mediterranean stations and in Austria; 60° at Munich and Westbaden, and above 50° except at the most northern stations. Lowest 25° at Archangel, 38° at Kapanawa, 42° at Moscow, 45° at Kharkov, and 48° at Sumburgh H. Rising later to between 60° and 65° over Great Britain, to between 70° and 77° in many parts of France, Germany, and Italy, to somewhat higher values on the Algerian coast, and to 80° at Lagnoul.

Wind (1) NE to SE over the northern countries of Europe, including the Shetland Isles and north of Ireland; (2) SW to S over the south of Ireland, the Channel, and England; (3) W to NW over the Peninsula; (4) light and variable over the Mediterranean, central, southeastern and eastern Europe. Freshening from E over the Baltic and Germany later, shifting to NW over the Bay of Biscay and the west of Ireland, and becoming S over Scotland, but shifting to the E over the extreme southeast of England.

Barometer highest 30.3 in. and more to 30.0 in. over Russia, Iceland, the Baltic, and Scandinavia; (2) 30.1 in. and more to 30.0 in. over the southern parts of the Spanish Peninsula; (3) 30.0 in. and more over Greece and the south of Italy. Lowest about 29.5 in. off our extreme northern coast; below 29.5 in. over the southwest of France, and below 29.0 in. over Poland, western Russia and Hungary. Shallow but well marked depressions forming over France and the northwest of Ireland later, but barometer rising decidedly on our west and south-west coasts, and slightly over Central Russia.

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

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

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Thursday 25<sup>th</sup> May. 1893

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

PUBLISHED BY THE METEOROLOGICAL OFFICE, 65, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary.																					
YESTERDAY EVENING. (See note at bottom of last page.)										THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.	
STATIONS.		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.				
		Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.			Force (0 to 12).	Max.		Min.			
		Inch.	°				Inch.	°	°	°						Inch.					
SCANDINAVIA.	Häpäranta ...	29.92	44	SW	4	o	29.84	-0.6	44	46	+9	S	2	o	*	52	—				
	Hernösand ...	29.84	45	S	4	f	29.9	-0.2	42	41	-6	S	4	T	*	53	0.16				
	Stockholm ...	29.87	49	ESE	4	f	29.71	-0.2	52	52	+1	SW	2	o	*	61	0.04				
	Wisby ...	29.84	53	S	4	b	29.73	-0.2	52	53	-2	NW	4	o	*	58	—				
	Bodö ...	29.69	57	NE	1	bc	29.59	-0.2	49	47	-6	SW	2	T	1	bc	56	0.12			
ISLANDS.	Christiansund...	29.69	53	NE	2	c	29.68	+0.1	53	51	-3	SE	2	c	2	c	58	0.20			
	Skudesnaes ...	29.75	50	S	1	o	29.83	+0.2	51	49	+1	N	2	o	2	o	57	—			
	Christiania Fjord (Fjorden)	29.73	53	SW	2	b	29.72	-0.1	53	50	-1	N	4	b	2	b	53	—			
	Skagen (The Scaw)	29.78	51	N	1	o	29.78	-0.1	52	50	+2	N	5	bc	3	o	53	0.20			
	Fanö ...	29.84	52	WNW	2	b	29.71	+0.1	52	49	-3	WN	4	c	*	b	61	—			
BRITISH.	Sumburgh Head	29.66	50	N	2	o	29.67	+0.1	46	46	-3	NE	2	T	5	bc, o	55	0.20			
	Stornoway ...	29.82	54	NW	6	o	29.83	+0.2	50	49	-2	NW	6	c	5	o	55	0.16			
	Wick ...	29.81	51	NW	2	o	29.76	+0.5	53	50	-4	NW	5	bc	2	o	53	—			
	Nairn ...	29.83	53	N	2	bc	29.83	+0.2	52	50	-2	NW	3	c	2	bc	61	—			
	Aberdeen ...	29.83	60	NW	4	bc	29.83	+0.2	51	49	-5	WNW	3	c	1	bc, fog	64	0.06			
GERMANY & HOLLAND.	Leith ...	29.87	53	WNW	2	b	29.88	+0.2	56	52	0	WNW	5	T	*	b	67	—			
	Shields ...	29.88	64	WNW	4	bc	29.95	+0.2	54	51	-2	WNW	2	c	2	c, bc	66	—			
	Spurn Head ...	29.50	60	N	4	bc	29.83	+0.2	59	56	0	N	2	c	2	bc	60	—			
	York ...	29.51	62	N	4	b	29.83	+0.2	58	54	+1	N	4	b	*	b	64	0.01			
	Loughborough	29.53	59	WNW	4	c	29.10	+0.2	58	54	+2	N	2	bc	*	c	61	—			
FRANCE AND BELGIUM.	Ardrossan ...	29.94	53	WNW	2	c	29.95	+0.2	53	52	+2	N	2	c	2	bc, c	60	0.01			
	Malin Head ...	29.97	53	N	4	odp	29.83	+0.2	53	51	+1	WNW	5	of	3	c, odp	56	0.03			
	Mullaghmore ...	29.88	53	N	3	o	29.15	+0.2	56	55	+3	WNW	2	o	*	of, o	57	0.01			
	Belmullet ...	29.88	53	N	3	o	29.06	+0.2	53	52	+1	WNW	4	o	2	bc	60	—			
	Donaghadee ...	29.88	56	WNW	2	bc	29.88	+0.2	53	52	+1	WNW	4	o	2	bc	60	—			
PENINSULA.	Liverpool (Bidston)	29.82	53	N	4	c	29.10	+0.2	53	51	0	N	5	bc	5	c	58	—			
	Holyhead ...	29.83	53	WNW	4	c	29.13	+0.2	53	52	+1	WNW	4	c	3	c	60	—			
	Parsonstown ...	29.88	53	SW	1	o	29.15	+0.2	58	55	+2	SW	1	c	*	o	62	—			
	Valencia ...	29.19	56	N	3	cm	29.24	+0.2	56	53	0	WNW	1	om	2	om, cm	59	—			
	Roche's Point	29.13	59	WNW	4	c	29.24	+0.2	56	52	+1	WNW	3	bc	3	c	60	—			
OTHER.	Pembroke (St. Ann's Hd.)	29.07	53	N	2	bc	29.20	+0.2	53	51	-1	WNW	2	b	3	bc	59	—			
	Scilly ...	29.14	53	NW	4	c	29.23	+0.2	56	53	0	WNW	4	c	4	c	60	—			
	Prawle Point ...	29.09	57	WNW	3	c	29.21	+0.2	61	58	+3	WNW	2	bm	1	c	62	—			
	Jersey (St. Aubin's)	29.10	58	N	3	cd	29.22	+0.2	56	56	0	WNW	3	bc	3	cm, cd	61	—			
	Hurst Castle ...	29.04	63	WNW	3	bc	29.17	+0.2	58	55	+1	WNW	3	bm	2	c, bc	65	—			
OTHER.	Dungeness ...	29.98	57	N	4	o	29.12	+0.2	61	53	+3	N	2	b	1	o	62	—			
	North Foreland	29.96	61	WNW	2	og	29.11	+0.2	58	53	-1	NW	3	b	2	og, b	63	—			
	London ...	29.80	65	WNW	2	c	29.14	+0.2	60	54	+2	WNW	2	bc	*	bc, b	65	—			
	Oxford ...	29.84	59	WNW	3	o	29.15	+0.2	58	54	0	N	1	c	*	o	65	—			
	Cambridge ...	29.88	63	NW	3	b	29.12	+0.2	60	55	+1	WNW	4	b	*	b	66	—			
OTHER.	Yarmouth ...	29.82	62	NW	2	c	29.06	+0.2	57	53	-2	WNW	3	b	2	c	63	—			
	Cuxhaven ...	29.90	53	NW	2	c	29.98	+0.2	53	53	-6	WNW	3	c	*	c	62	—			
	Berlin ...	29.73	64	NW	5	c	29.93	+0.2	57	52	-14	NW	5	b	*	c	62	0.04			
	Wiesbaden ...	29.73	53	NW	5	c	29.09	+0.2	60	57	-14	WNW	2	c	*	*	60	—			
	Munich ...	29.99	52	SW	5	T	29.08	+0.2	51	51	-8	NW	4	T	*	T	53	0.71			
OTHER.	The Helder ...	29.59	57	N	2	b	29.04	+0.2	57	54	0	N	1	bc	1	b	61	—			
	Brussels (9 a.m.)	29.91	56	N	4	c	29.11	+0.2	61	54	+4	WNW	3	b	*	o	67	—			
	Cape Gris Nez	29.06	60	NW	2	o	29.07	+0.2	56	54	+3	WNW	1	b	1	c	59	—			
	Paris ...	29.06	60	NW	2	o	29.16	+0.2	53	53	+1	NW	2	c	*	o	60	—			
	Brest ...	29.14	59	WNW	3	o	29.23	+0.2	56	53	+1	WNW	1	o	2	o	63	—			
OTHER.	Lorient ...	29.14	59	WNW	3	c	29.23	+0.2	56	54	+1	WNW	3	o	3	c	61	—			
	Rochefort ...	29.08	61	WNW	4	b	29.19	+0.2	53	53	0	ESE	3	o	*	b	66	—			
	Belfort ...	29.08	63	N	3	bc	29.13	+0.2	58	52	-2	N	2	o	*	bc	71	—			
	Lyons ...	29.03	53	N	1	o	29.13	+0.2	57	52	0	N	2	c	*	o	65	0.08			
	Nice ...	29.94	56	N	2	T	29.93	+0.2	60	57	-1	N	1	bc	1	T	68	0.04			
OTHER.	Perpignan ...	29.02	70	NW	3	b	29.13	+0.2	64	56	+2	NW	3	b	*	b	73	—			
	Biarritz ...	29.14	61	WNW	4	o	29.18	+0.2	60	58	+2	WNW	2	o	5	o	64	—			
	Corunna ...	29.00	67	WNW	4	b	29.01	-0.4	72	64	+4	NE	3	b	*	b	81	—			
	Lisbon ...	29.00	67	WNW	4	b	29.01	-0.4	72	64	+4	NE	3	b	*	b	81	—			

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

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

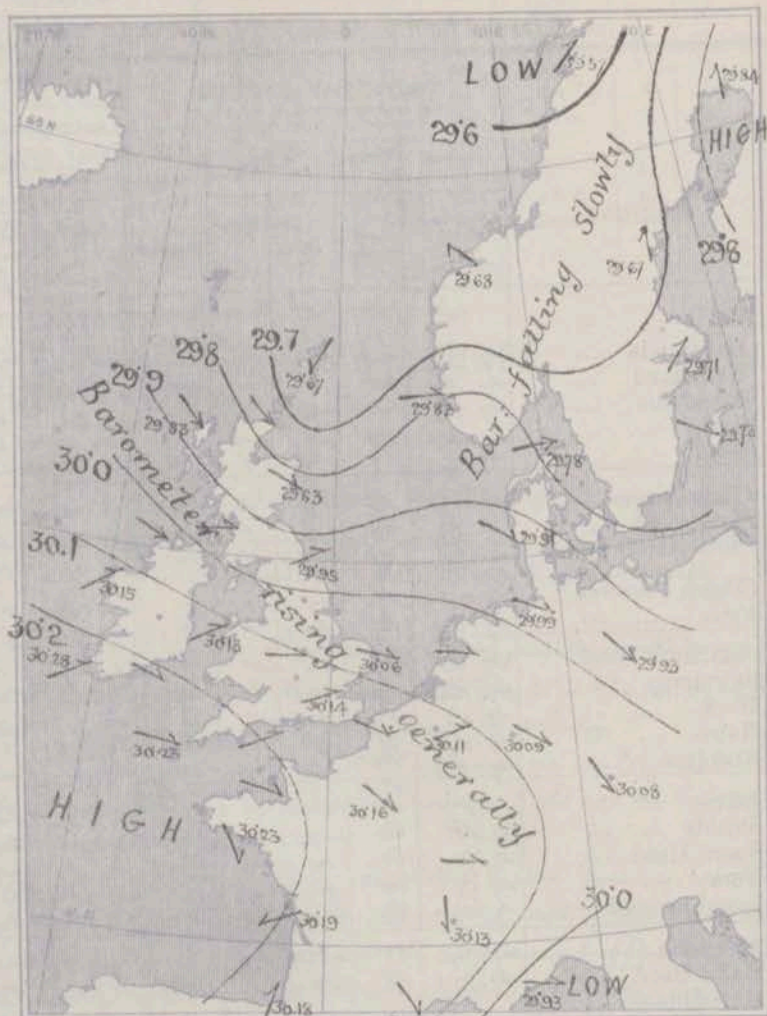
▨ = Rough. ▩ = High.

### MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.879
Stormway	29.880
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.950
York	29.962
Loughborough	29.973
Arbroath	29.935
Mullaghmore	29.920
Dunaghadoo	29.947
Holyhead	29.950
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.950
Pembroke	29.961
Sally	29.974
Prawle Point	29.962
Jersey	29.980
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stormway	53.3	41.1	48.6	46.4	2.61
Wick	53.9	40.6	48.1	35.6	1.00
Nairn	50.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.90
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.0	49.0	46.0	1.69
Spurn Head	54.2	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Arbroath	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Dunaghadoo	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.0	49.9	47.7	2.63
Sally	56.3	48.2	52.7	50.3	1.73
Prawle Point	56.6	45.3	51.4	49.4	1.36
Jersey	59.4	47.2	53.6	50.6	1.85
Hurst Castle	58.6	45.7	51.6	49.9	1.75
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.9	50.6	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins. and upwards, in an anticyclone lying over the southwest of our islands, the Bay of Biscay and the northwest of France.  
 Lowest, 29.6 ins. and less, in a depression lying off the northwest of Norway; 29.7 ins. and less, in a secondary system lying near the Shetlands.  
 Gradients slight. Barometer rising at all but the Scandinavian stations.

## TEMPERATURE

Highest, 72° at Larkow, 64° at Perpignan, 61° at Praxole Point, Lempdes, and Bussols, and 60° in London and at Cambridge, Wiesbaden, Rochefort and others.  
 Lowest, 42° at Hemsö, 46° at Lumbagh H., 48° at Haparanda, 43° at Bodö and 51° at Abisko.  
 The highest maxima registered over our islands yesterday were 67° at Larkow, and 66° at Shields and Cambridge.

## WIND

W<sup>ly</sup> to NW<sup>ly</sup> over the whole of the United Kingdom, the North Sea, Denmark, Germany, the Netherlands, and the north of France; light or moderate in force generally, but fresh or strong in the extreme north of Scotland.  
 S<sup>ly</sup> over the greater part of Scandinavia; variable, but chiefly N<sup>ly</sup> over the southern parts of France.

## WEATHER

Fine over England, the Netherlands, Denmark, Germany, and the central and southern parts of France.  
 Cloudy in Ireland and Scotland, with rain at Lumbagh H. and Larkow, and with passing showers at Aberdeen and Malin H. Full and rainy at some of the Scandinavian stations.  
 Slight rain fell yesterday in the south of France and a considerable quantity at Munich. A lunar halo was seen at Shields.

## SEA

Rather rough off the north of Scotland, as well as at Liverpool and Biarritz, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the southwest appears to be spreading eastwards, and fine weather is therefore likely to continue over England, with a gradual rise of temperature.

# FORECASTS

For the 24 hours ending at NOON on 26<sup>th</sup> May, 1893.

## DISTRICTS.

## FORECASTS.

0	SCOTLAND NORTH	NW <sup>ly</sup> winds, fresh or strong, cloudy, showery.
1	SCOTLAND EAST	W <sup>ly</sup> winds, moderate, showery to fair.
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W <sup>ly</sup> winds, light, fine generally, warmer.

## DISTRICTS.

## FORECASTS.

6	SCOTLAND WEST	W <sup>ly</sup> winds, light or moderate, fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W <sup>ly</sup> and NW <sup>ly</sup> winds, light, fine generally.
9	IRELAND NORTH	Same as No. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.
WARNINGS		None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	25.76	55	49	S	5	of	4	Valencia ...	25.7	56	56	W	3	omd	3
Sumburgh Head ...	25.64	54	51	W	2	bc	4	Scilly ...	25.11	60	55	WNW	5	C	5
Stornoway ...	25.76	55	52	WNW	6	o	5	Jersey ...	25.08	60	53	W	4	cm	3
Aberdeen ...	25.74	61	52	WNW	4	bcg	3	Hurst Castle ...	25.00	60	58	SW	3	C	3
Shields ...	25.86	62	57	W	3	C	2	Dungeness ...	25.93	59	56	WNW	5	o	4
Ardrossan ...	25.88	58	54	WNW	2	bc	1	North Foreland ...	25.94	62	53	WNW	4	o	4
Malin Head ...	25.93	54	52	WNW	4	C	3	London ...	25.76	64	56	W	3	o	*
Mullaghmore ...	25.04	56	55	W	4	cp	*	Yarmouth ...	25.70	61	56	W	2	C	2
Belmullet ...	25.88	55	53	WNW	4	C	3	Rochefort ...	25.08	63	53	WNW	4	C	*

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

Weather in morning fine and bright over Central Russia, as well as over the south of Spain, and at several stations in the east and south of England; cloudy or overcast in all other regions and somewhat unsettled. Rain falling over Iceland, south Germany, and the Hebrides as well as at Malta and Capri. Rain later over Norway and the northern parts of Scotland and Ireland, as well as over the southern parts of France and Germany. Much cloud observed in London.

Temperatures fallen somewhat over England, risen on the Continent. Morning readings below 70° everywhere except at Berlin; exceeding 60° over southern and central Europe generally, and exceeding 50° except in the far north. Lowest 33° at Haparanda, 43° at Hango, 48° at Hernand, and 49° at Lumburgh P. Rising later to between 65° and 67° over many parts of England, France, and Germany, to 71° at Lyons, 81° at Lisbon, and 82° at Berlin.

Wind (1) NW<sup>1</sup> to W<sup>1</sup> over the British Islands, France, and the Bay of Biscay; (2) SE<sup>1</sup> and S<sup>1</sup> over southeastern, eastern, and northern Europe with the Baltic; (3) Variable over Western Germany, Italy, and the greater part of the Mediterranean. Light to moderate in force generally, but strong at Stornoway, and increasing to a gale from NW, about midnight.

Barometer, highest 30.5 ins. and more to 30.0 ins. over Russia, Poland, and Hungary; 30.1 ins. and more to 30.0 ins. over the Spanish Peninsula, the coast of France, and the extreme southwest of our Islands. Lowest, 29.6 ins. and less, over the Orkneys, Shetlands and their neighbourhood; 29.8 ins. and less, over west and south Germany, and below 30.0 ins. over Italy, Greece, Lardonia, and the greater part of the Mediterranean. Rising over Western Europe later, falling over the Baltic.

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

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

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

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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, 26<sup>th</sup> May, 1893

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETR.		SHADE TEMP.			WIND.		Sea (0 to 1).	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 ...	29.65	44	2	0	f	29.60	-0.05	51	50	+3	2	0	0	#	63	54	0.30		
	Hernösand ...	29.71	48	2	0	c	29.64	-0.07	54	48	+12	E	2	bc	#	63	49	0.24		
	Stockholm ...	29.71	50	2	0	b	29.76	+0.05	55	52	+1	W	2	b	#	63	46	0.20		
	Wisby ...	29.77	52	S	W	b	29.81	+0.04	48	46	-6	W	4	b	#	63	45	0.04		
	Bodö ...	29.66	47	SW	6	0	29.66	+0.00	48	45	-1	WNW	1	0	1	0	50	42	0.28	
	Christiansund...	29.77	50	WSW	6	T	29.91	+0.14	48	47	-7	WSW	3	T	3	T	55	32	0.08	
	Skudesnaes ...	29.86	49	WNW	2	0	29.93	+0.07	50	48	-1	WNW	6	c	2	0	53	48	0.08	
	Christiania Fjord (Farder)	29.76	50	WSW	4	0	29.75	-0.01	54	50	+2	W	2	c	1	0	53	48	0.04	
	Skagen (The Seaw)	29.85	50	W	6	T	29.88	-0.03	51	48	-1	W	6	c	#	T	57	50	0.04	
	Fanö ...	29.90	49	W	2	0	30.05	+0.15	50	47	+4	W	1	c	3	0, c	52	44	0.03	
BRITISH ISLANDS.	Sumburgh Head	30.02	53	NE	4	0	30.12	+0.10	51	50	+1	W	3	0	#	55	47	0.02		
	Stornoway ...	30.03	53	W	3	0	30.12	+0.09	53	50	0	W	3	0	1	c	55	47	0.02	
	Wick ...	30.02	55	W	3	0	30.14	+0.12	53	51	+1	WSW	2	c	1	0	60	48	0.02	
	Nairn ...	30.00	53	WNW	4	bc, g	30.15	+0.15	53	47	+2	W	3	0	1	0, g, p	60	48	0.02	
	Aberdeen ...	30.01	58	W	4	b	30.19	+0.18	54	50	-2	W	2	0	#	b	67	48	0.02	
	Leith ...	30.01	63	WSW	4	c	30.17	+0.16	53	50	-1	WNW	2	0	2	p, c	64	47	0.02	
	Shields ...	30.02	59	WNW	5	c	30.16	+0.14	53	52	-4	W	3	c	2	c	64	47	0.02	
	Spurn Head ...	30.05	61	W	4	c	30.20	+0.15	54	50	-4	W	2	c	#	c	64	44	0.02	
	York ...	30.12	60	WNW	4	c	30.22	+0.10	53	50	-5	WNW	2	0, w	#	c	66	47	0.02	
	Loughborough	30.10	55	W	2	c	30.22	+0.12	55	52	0	W	2	c	1	c	59	49	0.02	
GERMANY & HOLLAND.	Ardsrossan ...	30.14	52	W	4	0	30.26	+0.12	52	49	-1	W	4	0	2	c, 0	55	50	0.02	
	Malin Head ...	30.23	57	W	2	0	30.32	+0.09	55	54	-1	WNW	2	0	#	om, 0	59	52	0.02	
	Mullaghmore ...	30.16	55	W	3	c	30.26	+0.10	55	52	0	WNW	3	0	#	c	62	54	0.02	
	Belmullet ...	30.25	56	WNW	4	0	30.24	+0.14	53	50	-2	WNW	4	0	3	c	59	51	0.02	
	Donaghadee ...	30.16	57	WSW	2	bc	30.27	+0.11	54	51	-1	W	0	0, g, bc	63	51	0.02			
	Liverpool (Bidston)	30.21	62	SW	1	c	30.31	+0.10	56	55	-2	SW	1	0	#	c, 0, f	63	53	0.02	
	Holyhead ...	30.21	56	W	2	f	30.38	+0.17	58	56	+2	W	2	0	#	om, f	59	53	0.02	
	Parsonstown ...	30.31	61	W	2	bc	30.32	+0.01	59	54	+3	W	2	bc	3	bc	63	52	0.02	
	Valencia ...	30.25	56	WNW	3	c	30.28	+0.03	57	54	+4	W	2	bc	2	c	60	53	0.02	
	Roche's Point	30.27	58	W	4	bc	30.30	+0.03	58	56	+2	WNW	3	c	3	c, bc, f	59	55	0.02	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.26	61	W	2	b	30.27	+0.01	61	58	0	WNW	2	bc	1	b	62	50	0.02	
	Scilly ...	30.15	67	WNW	3	bm	30.23	+0.08	59	57	+1	WNW	2	bc	2	bm	64	53	0.02	
	Prawle Point ...	30.06	59	WSW	5	bc	30.17	+0.11	62	54	+1	WNW	4	c	3	b, bc	66	49	0.02	
	Jersey (St. Aubin's)	30.06	64	WNW	2	c	30.20	+0.14	56	54	-2	W	5	c, g	4	b, c	69	53	0.02	
	Hurst Castle ...	30.10	67	WNW	2	bc	30.21	+0.11	58	52	-2	W	2	0	#	bc, c	73	56	0.02	
	Dungeness ...	30.16	59	W	1	c	30.24	+0.08	55	51	-3	W	2	0, g	#	c	70	50	0.02	
	North Foreland	30.11	65	W	4	bc	30.21	+0.10	56	52	-4	W	4	0	#	bc	71	49	0.02	
	London ...	30.05	63	W	2	bc	30.15	+0.10	57	53	0	WNW	3	b	2	bc	66	52	0.02	
	Oxford ...	29.99	56	WNW	3	c	29.96	-0.03	54	52	-1	WNW	5	bc	#	c	60	52	0.02	
	Cambridge ...	29.93	64	S	1	bc	29.95	+0.02	57	52	0	W	4	c	#	bc	68	54	0.02	
PENINSULA.	Yarmouth ...	30.15	50	SW	3	0	30.10	+0.05	60	54	0	W	2	bc	#	#	70	54	0.02	
	Cuxhaven ...	30.08	57	W	4	c	30.13	+0.05	50	46	-1	SW	5	0	#	0	55	48	0.02	
	Berlin ...	30.08	57	W	4	c	30.15	+0.07	54	50	-3	W	5	c	3	c	61	54	0.02	
	Wiesbaden ...	30.06	56	WSW	3	bc	30.12	+0.06	56	54	-2	W	2	b	#	b	68	51	0.02	
	Munich ...	30.15	66	WNW	2	b	30.19	+0.04	56	52	-3	WSW	3	b	2	bc	59	54	0.02	
	The Helder ...	30.21	63	W	4	b	30.28	+0.07	55	52	-1	W	2	0	#	b	71	48	0.02	
	Brussels (9 a.m.)	30.17	64	WNW	4	0	30.23	+0.06	58	56	-1	WNW	3	b	0	b	70	54	0.02	
	Cape Gris Nez	30.15	66	WNW	2	b	30.19	+0.04	56	52	-3	W	3	0	#	0	71	52	0.02	
	Paris ...	30.17	64	WNW	4	0	30.23	+0.06	58	56	-1	WNW	3	b	0	b	70	54	0.02	
	Brest ...	30.19	67	WNW	2	b	30.25	+0.06	59	57	-1	W	2	0	#	0	71	52	0.02	
FRANCE AND BELGIUM.	Lorient ...	30.21	63	W	4	b	30.28	+0.07	55	52	-1	W	2	0	#	0	71	52	0.02	
	Rochefort ...	30.17	64	WNW	4	0	30.23	+0.06	58	56	-1	WNW	3	b	0	b	70	54	0.02	
	Belfort ...	30.19	67	WNW	2	b	30.25	+0.06	59	57	-1	W	2	0	#	0	71	52	0.02	
	Lyons ...	30.19	67	WNW	2	b	30.25	+0.06	59	57	-1	W	2	0	#	0	71	52	0.02	
PENINSULA.	Nice ...	29.94	64	W	1	bc	29.99	+0.05	63	57	+3	SW	1	b	#	bc	68	54	0.02	
	Perpignan ...	30.10	70	W	2	b	30.15	+0.05	67	57	+3	W	3	b	#	b	73	60	0.02	
	Biarritz ...	30.19	64	WNW	3	b	30.19	+0.01	60	59	0	W	0	b	2	b	70	59	0.02	
	Corunna ...	30.01	71	WNW	4	b	30.01	0.00	71	63	-1	NE	4	b	#	b	82	64	0.02	
PENINSULA.	Lisbon ...	30.01	71	WNW	4	b	30.01	0.00	71	63	-1	NE	4	b	#	b	82	64	0.02	

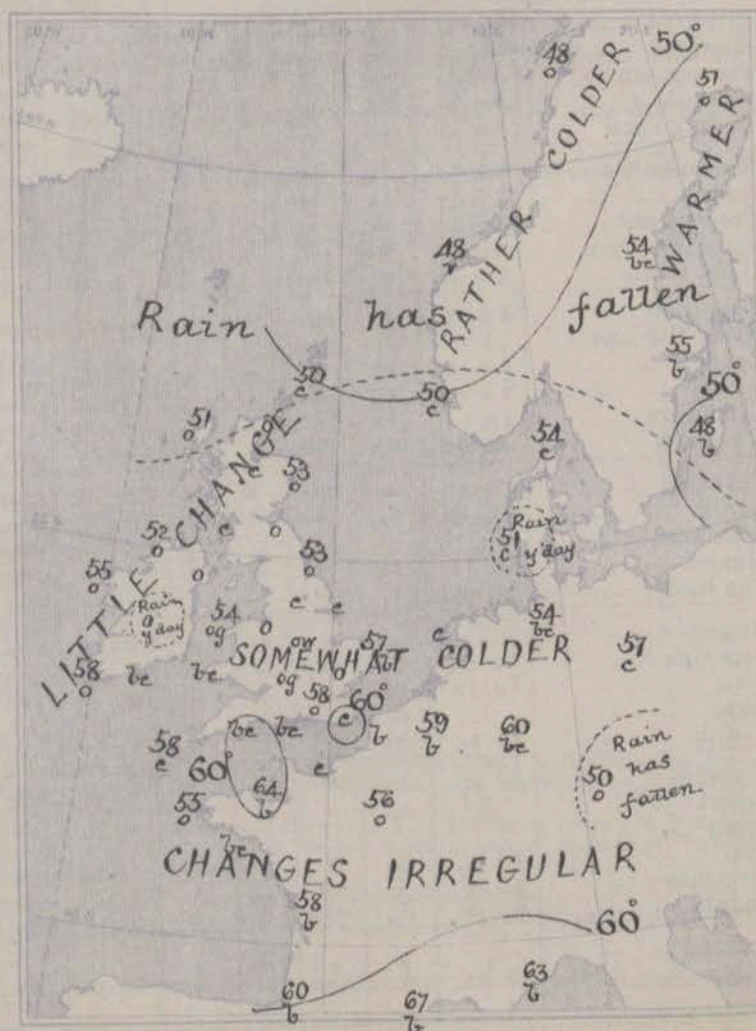
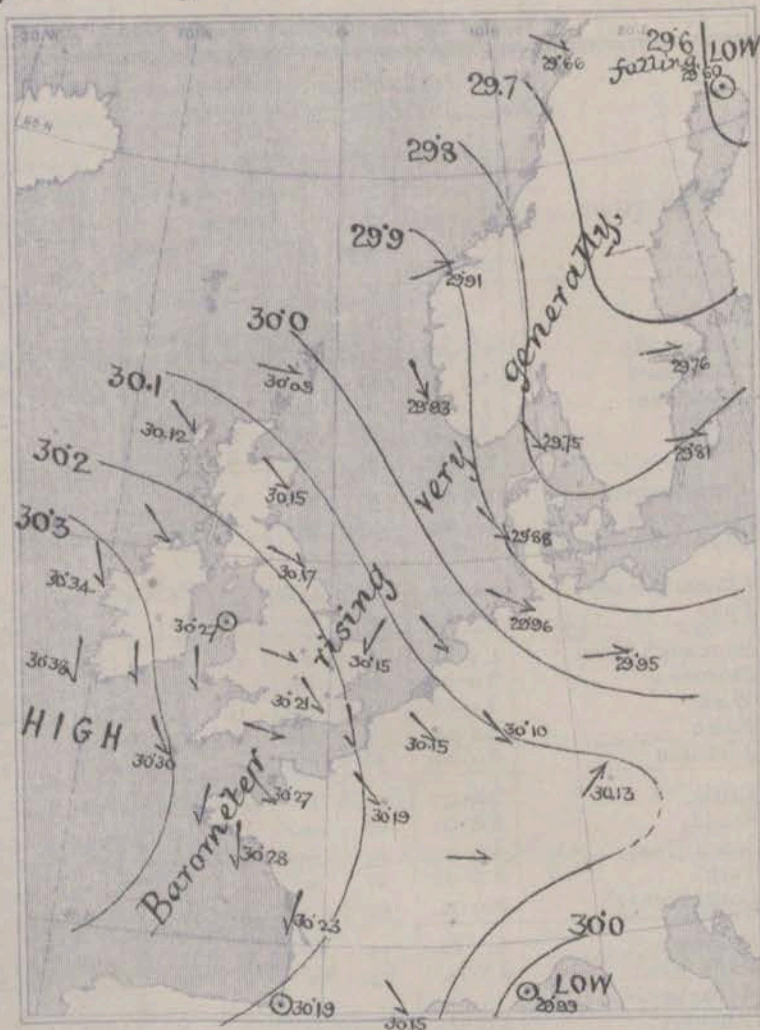
For Explanation of Columns see page 2.

For Explanation of Columns, see bottom of last page.

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



for 8 a.m. on Friday, 26<sup>th</sup> May 1893





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone extending from the Atlantic over the west and south of Ireland.  
 Lowest, 29.7 in. and less, in a depression lying over the northern parts of Scandinavia.  
 Gradients slight. Barometer rising generally, but falling a little in the north of Sweden.

## TEMPERATURE

Highest, 71° at Luton, 67° at Leipzig, 64° at Jersey, 63° at Nice, 62° at Rungers, and 61° at French Point.  
 Lowest, 48° at Bodø, Christiansund and Nizky, 50° at Skudsmo and Lemburg H., and 51° at Haparanda, Fais, and Somersby.  
 The highest maxima registered over our Islands yesterday were 73° in London, 71° at Cambridge, and 70° at Oxford.

## WIND

Light or moderate from the NW<sup>at</sup> in our Islands and the Netherlands; fresh or strong from the same quarter on the eastern shores of the North Sea.  
 Light from the N<sup>at</sup> in the west of France; W<sup>at</sup> in Germany, the south of Sweden, and the west of Norway; variable over the northern parts of Sweden.

## WEATHER

Cloudy or overcast in most parts of the United Kingdom, and also in the west of Norway, with rain at Christiansund.  
 Fine in the extreme south of our Islands, as well as in Sweden, France, Germany, and the Netherlands.  
 A little rain has fallen in the extreme north of Scotland, and also at Christiansund, but in nearly all other parts of our Islands the weather has remained exceedingly dry.

## SEA

Light or smooth on nearly all coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the west continues to spread eastwards and fair dry weather is likely to prevail generally.

# FORECASTS

For the 24 hours ending at NOON on 27<sup>th</sup> MAY, 1893.

## DISTRICTS.

## FORECASTS.

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

W<sup>at</sup> and NW<sup>at</sup> winds, light; fair generally.

Same as No. 5.

NW<sup>at</sup> winds, light; fair generally.

## DISTRICTS.

## FORECASTS.

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

Same as No. 0 and 1.

NW<sup>at</sup> winds, light; fair generally.

Same as No. 0 and 1

Same as No. 8

## WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudeanaes ...	29.82	53	49	S	2	0	2	Valencia ...	30.30	59	58	WSW	3	om	3
Southburgh Head	29.81	50	48	rw	2	0	4	Scilly ...	30.20	58	55	WNW	4	e	4
Stornoway ...	29.97	54	50	rw	4	c	4	Jersey ...	30.25	61	57	W	4	b	3
Aberdeen ...	29.92	56	49	rw	6	opgg	4	Hurst Castle	30.15	64	59	WSW	4	b	3
Shields ...	29.95	64	57	rw	5	c	2	Dungeness...	30.08	62	56	SW	3	b	4
Ardrossan ...	30.03	56	52	W	3	c	2	North Foreland...	30.07	70	62	rw	3	b	1
Malin Head ...	30.10	54	51	rw	5	c	3	London ...	30.09	70	60	WNW	2	bc	#
Mullaghmore ...								Yarmouth ...	30.04	65	57	WNW	2	bc	2
Belmullet ...	30.19	57	56	WNW	2	om	#	Rochefort ...	30.19	67	60	WNW	3	c	#
Holyhead ...	30.15	56	54	WSW	4	og	3								

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

Weather in morning fine and bright over (1) Russia, (2) over some parts of the British Islands and North Germany, as well as over the southern half of Spain and Algeria — cloudy elsewhere, changeable and somewhat unsettled in places; rain at several northern stations and Munich. Rain over Scandinavia, the Shetlands, and Hebrides later, a very slight fall at Portsmouth, and a considerable fall at Munich; fog on our southwestern coasts.

Temperature risen again over Eastern Europe, fallen over Germany and Austria. Morning readings highest, 73° at Osnabrück, and exceeding 60° over Southern Europe, Hungary, Iceland, and many parts of Russia; above 50° in most other places, but lowest 42° at Hemsö, and 46° at Lumburg H., 48° at Haparanda, and 45° at Riga. Rising later to between 65° and 73° in many parts of Great Britain, and to between 65° and 70° over Germany and France.

Wind (1) NW to W over the British Isles, the North Sea, Germany, the south of Sweden, and France — strong at the Scotch stations, NE over Spain, (2) S over Hungary, Poland, and Russia, SE to SW over the Baltic and Gulf of Bothnia. Varying to NE at Stornoway later and blowing strongly from NW in the east of Scotland — little change elsewhere.

Barometer highest (1) 30.4 ins. and more to 30.0 ins. over Russia and Hungary; (2) 30.2 ins. and more to 30.0 ins. over Ireland, England and the western parts of the Continent generally, with neighbouring portions of the Atlantic. Lowest (1) 29.6 ins. and less to 29.7 ins. over Denmark, the northern half of Norway, and the Shetland Isles; (2) 29.8 ins. and less, over the Baltic and part of North Germany, and (3) 30.0 ins. and less, over the northern parts of Italy and the Mediterranean. Rising decidedly in the north of our Islands later, falling slightly over the Baltic

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

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

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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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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

Saturday, 27<sup>th</sup> May,

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TRMP.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.		
			Reading at 32° F. and Sea Level.	Dry Bulb.			Dirce.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirce.	Force (0 to 12).		Max.	Min.
Inch.	°					Inch.	°	°	°							°	Inch.			
SCANDINAVIA.	Haparanda ...	29.70	39	Z	0	bc	29.71	+11	50	47	-1	Sw	2	0	+	6	54	37	-	
	Hernösand ...	29.88	56	NW	2	bc	29.89	+19	51	45	-3	NW	4	0	+	bc	63	41	-	
	Stockholm ...	29.75	48	NNE	2	c	29.84	+08	47	46	-8	NNE	1	0	+	c	66	46	0.04	
	Wishby ...	29.77	51	S	4	c	29.81	-00	53	50	+5	S	4	0	+	c	66	45	-	
	Bodö ...	29.71	44	SW	4	c	29.64	-02	46	43	-2	ENE	2	0	1	c	48	37	0.32	
	Christiansund...	30.02	47	WSW	4	c	29.98	+07	47	44	-1	WSW	6	0	4	c	48	45	0.08	
	Skudesnaes ...	29.99	48	NW	8	c	30.02	+09	52	48	+2	NW	6	0	3	c	52	46	-	
	Christiania Fjord (Færd)	29.79	57	NW	2	c	29.91		56	49		NNE	6	0	2	c	68	54	-	
	Skagen (The Seaw)	29.79	53	NNE	1	c	29.88	+13	55	53	+1	NW	2	0	1	c	69	52	-	
	Fanö ...	29.89	49	NW	6	c	29.88	-00	51	49	0	NW	6	0	+	c	57	48	-	
BRITISH ISLANDS.	Sumburgh Head	30.06	50	W	2	c	30.07	+02	52	50	+2	NW	2	0	3	c	54	46	0.01	
	Stornoway ...	30.21	54	NW	4	0	30.24	+12	53	52	+2	W	2	0	2	0	55	49	0.02	
	Wick ...	30.17	50	NW	3	0	30.18	+06	52	49	-1	NW	3	0	3	0	57	48	-	
	Nairn ...	30.18	55	WNW	3	c	30.20	+06	58	56	+5	WNW	2	0	1	e	59	51	-	
	Aberdeen ...	30.17	55	NW	3	c	30.20	+05	52	50	-1	ENE	2	0	1	0, c, pod	59	50	0.01	
	Leith ...	30.16	59	W	2	c	30.24	+05	56	52	+2	WSW	2	0	+	c	63	47	-	
	Shields ...	30.19	54	SE	2	0	30.23	+06	58	53	+5	W	2	0	2	0	58	48	-	
	Spurn Head ...	30.19	53	N	1	0	30.21	+05	55	54	+2	N	4	0	2	0	56	52	-	
	York ...	30.21	59	NW	1	0	30.25	+05	57	51	+3	NW	2	0	+	0	62	49	-	
	Loughborough	30.23	58	WNW	3	c	30.24	+02	59	53	+6	WNW	2	0	+	c	63	49	-	
GERMANY & HOLLAND.	Ardrossan ...	30.24	55	WNW	2	c	30.28	+06	54	53	-1	WNW	2	0	1	0, c	57	49	-	
	Malin Head ...	30.29	54	WNW	4	0	30.31	+05	53	52	+1	WNW	3	0	2	0	57	51	0.01	
	Mullaghmore ...																			
	Belmullet ...	30.38	57	WNW	2	bc	30.37	+03	55	54	0	WNW	1	0	+	bc	59	54	0.01	
	Donaghadee ...	30.29	56	SW	4	c	30.32	+06	55	54	0	NW	4	0	2	c	56	52	-	
	Liverpool (Bidston)	30.25	54	WNW	3	0	30.28	+03	57	52	+4	NW	2	0	2	0	57	51	-	
	Holyhead ...	30.29	54	2	0	c	30.30	+03	56	53	+2	WNW	3	0	2	c	57	51	-	
	Parsonstown ...	30.33	60	2	0	0	30.35	+04	56	54	0	2	0	0	0	63	53	-		
	Valencia ...	30.37	60	NW	4	b	30.37	-01	58	56	0	2	0	0	bc, b	62	48	-		
	Roche's Point	30.33	60	SE	2	b	30.35	+03	60	56	+1	N	2	0	2	bc, b	66	53	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.28	57	WNW	2	c	30.29	+01	56	54	-1	NNE	3	0	1	0, c	59	49	-	
	Scilly ...	30.30	58	NNE	3	c	30.28	-02	57	54	-1	NE	4	0	3	c	60	54	-	
	Prawle Point ...	30.23	63	WNW	2	b	30.28	+01	56	53	-5	ENE	2	0	1	b	69	51	-	
	Jersey (St. Aubin's)	30.23	64	WNW	3	b	30.24	-03	58	53	-6	N	4	0	3	b	67	55	-	
	Hurst Castle ...	30.20	65	NE	2	b	30.24	+01	57	53	-2	NE	3	0	2	bc, b	74	48	-	
	Dungeness ...	30.18	61	N	2	c	30.19	+02	56	52	-6	2	0	0	c	64	51	-		
	North Foreland	30.19	54	NE	3	og	30.20	-00	55	51	-1	N	2	0	0	c, og	62	51	-	
	London ...	30.21	61	NW	1	c	30.23	+02	56	50	-2	NW	1	0	+	0, c	62	50	-	
	Oxford ...	30.25	53	WNW	1	b	30.25	+01	54	50	-1	WNW	2	0	+	b	62	49	-	
	Cambridge ...	30.20	61	WNW	3	0	30.23	+02	59	54	+3	NW	4	0	+	0	65	51	-	
PENINSULA.	Yarmouth ...	30.20	56	N	3	bc	30.17	+02	54	52	-3	WNW	3	0	3	bc, b	59	48	-	
	Cuxhaven ...	30.03	50	WNW	5	0	29.96	-06	51	49	-3	WNW	6	0	+	0	54	49	-	
	Berlin ...	29.93	55	W	3	c	29.93	-02	51	48	-6	W	4	0	+	c	63	48	0.04	
	Wiesbaden ...						30.10	-00	54	51	-6	N	3	0	+	+	64	52	-	
	Munich ...	30.09	50	W	5	c	30.05	-08	48	48	-2	NW	4	0	+	c	63	46	0.35	
	The Helder ...	30.18	51	WNW	5	c	30.15	-00	53	50	-1	NW	5	0	3	c	55	50	-	
	Brussels (8 a.m.)						30.17	+02	55	50	-4	WNW	4	0	+	0	64	47	-	
	Cape Gris Nez	30.13	56	N	3	c	30.17	+05	57	54	+1	NNE	1	0	+	c	63	50	-	
	Paris ...	30.17	63	WNW	3	c	30.19	-00	56	51	0	NNE	2	0	+	c	68	50	-	
	Brest ...		66	N	3	b			53	52	-2	NE	1	0	+	b	66	46	-	
FRANCE AND BELGIUM.	Lorient ...	30.20	66	W	3	bc	30.21	-07	55	53	+1	ENE	3	0	2	bc	68	52	-	
	Rocheport ...	30.12	67	NE	4	b	30.13	-10	57	56	-1	E	4	0	+	b	72	54	-	
	Belfort ...		61	W	3	0			57	48	-9	W	3	0	+	0	74	45	-	
	Lyons ...	30.07	67	WNW	2	b	30.07		57	51		WNW	2	0	+	b	71	53	-	
	Nice ...	29.98	60	NE	2	c	29.87	-12	68	63	0	2	0	0	c	70	55	0.51		
	Perpignan ...	30.03	75	NW	3	b	30.01	-14	71	60	+4	NW	2	0	+	b	79	61	-	
	Biarritz ...	30.10	67	NW	3	b	30.06	-13	60	58	0	SW	2	0	2	b	70	57	-	
	Corunna ...																			
	Lisbon ...	29.99	71	WSW	4	b	29.97	-04	71	64	0	S	2	0	+	b	81	64	-	

For Explanation of Columns see bottom of last page.

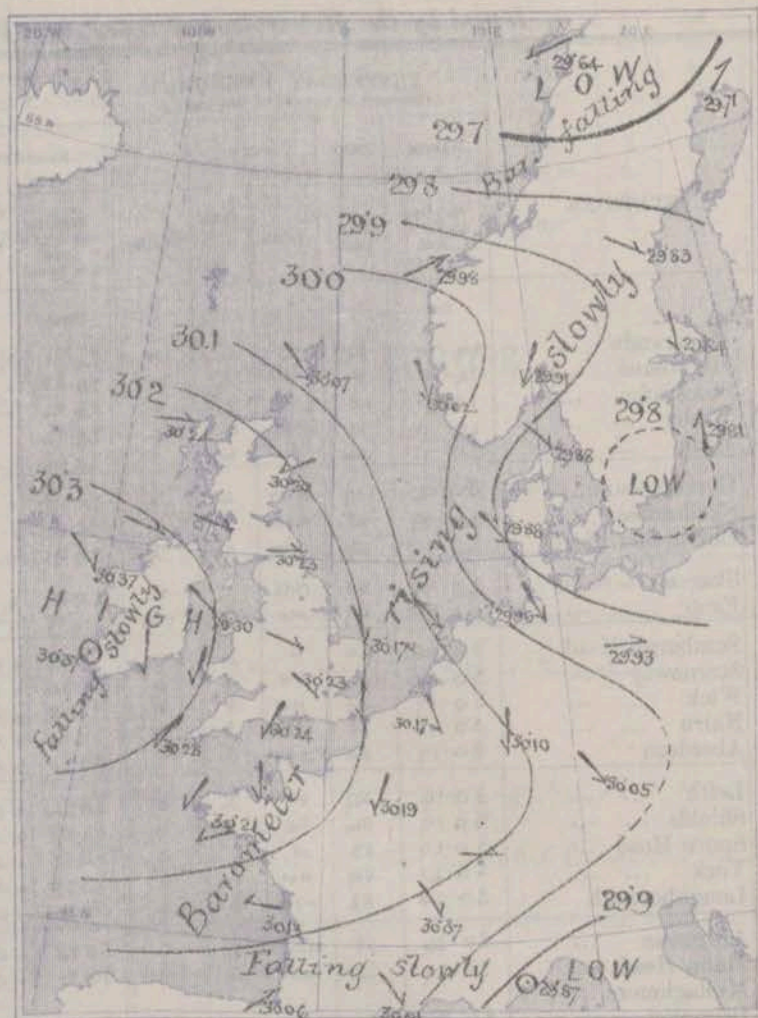
For Explanation of Columns, see bottom of last page.

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



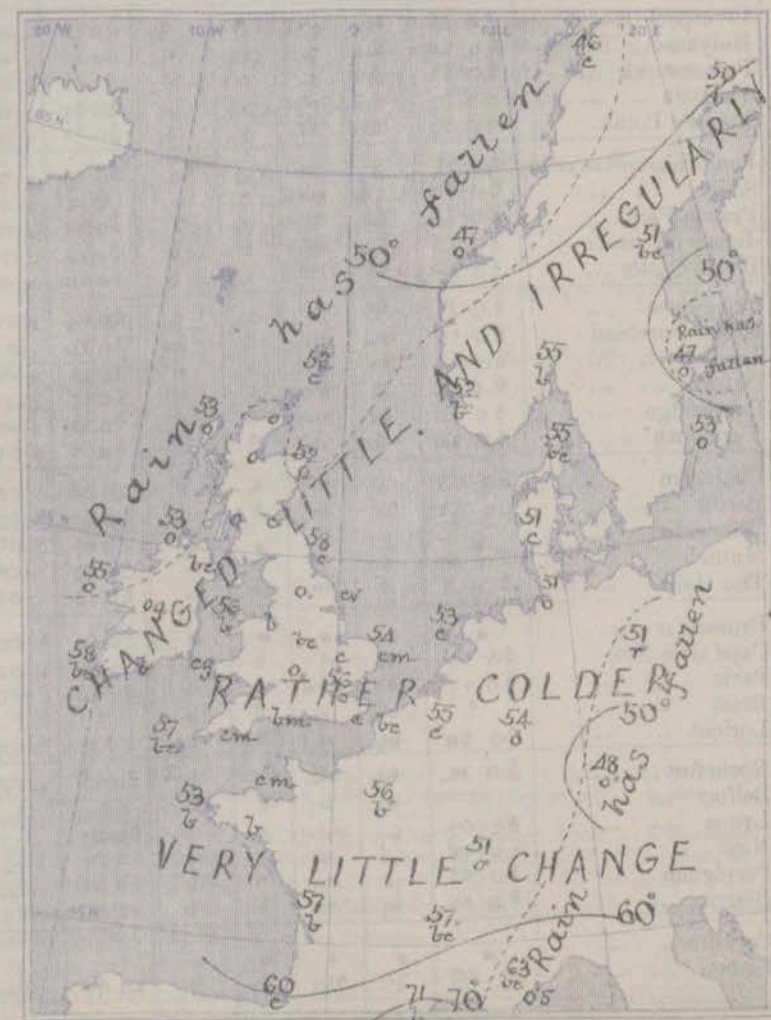
for 8 a.m. on *Saturday, 27<sup>th</sup> May, 1893*

EXPLANATION OF MAP



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.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone extending from the Atlantic over Ireland and the neighbouring Channel.  
 Lowest, 29.7 in. and less, in a shallow depression lying over the north of Scandinavia; 29.8 in. and less, in another system over the south of Sweden, 29.9 in. and less, over the Gulf of Genoa.  
 Gradients slight. Barometer falling slightly in the west of our Islands and also in the north of Scandinavia and the south of France, but rising elsewhere.

## TEMPERATURE

Highest, 71° at Perpignan and Lisbon, 63° at Aix, 60° at Freetown and Bismarck, and 53° at Loughborough and Cambridge.  
 Lowest, (1) 46° at Bodø, (4) at Haparanda and Stockholm, and 50° at Haparanda, (2) 45° at Munich, and 51° at Dublin and Belfast.  
 The maxima registered yesterday were below 60° at several of our northernmost, northern, and eastern stations, but above 65° on our extreme southern coast.

## WIND

Light from the NW<sup>th</sup> over the northern parts of the United Kingdom, and strong from the same quarter on the eastern shores of the North Sea.  
 Light from the NE<sup>th</sup> over the south of our Islands and the north of France; variable in the south of France.  
 W or SW at most of the northern stations in Scandinavia, but E at Bodø.

## WEATHER

Fine and bright over France and our southern coasts, as well as in the south of Norway and the northern parts of Sweden.  
 Cloudy or overcast elsewhere, with rain at Berlin.  
 Light rain fell yesterday in the extreme north and northwest of our Islands, and larger quantities in Germany, the south of France, and the west of Norway. A solar halo was seen at Jersey.

## SEA

Light or smooth generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

## FORECASTS

For the 24 hours ending at NOON on 28<sup>th</sup> MAY, 1893.

### DISTRICTS.

### FORECASTS.

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

W<sup>th</sup> and NW<sup>th</sup> winds, light, fair generally.  
 NW<sup>th</sup> and N<sup>th</sup> winds, light, fair generally.  
 NE<sup>th</sup> winds, light, fair generally.

### DISTRICTS.

### FORECASTS.

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

Same as Nos 2 to 4.  
 Same as No 5.  
 Same as Nos 2 to 4.

### 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 ...	29.99	51	46	rw	8	c	3		Valencia ...	20.38	61	59	rw	4	bcq	4
Sumburgh Head ...	30.06	53	51	w	2	c	3		Scilly ...	30.30	59	57	r	4	c	3
Stornoway ...	30.17	54	50	rw	3	o	4		Jersey ...	30.25	61	61	rw	4	b	3
Aberdeen ...	30.16	46	49	ese	2	o	1		Hurst Castle ...	30.22	71	61	n	2	bc	1
Shields ...	30.21	54	50	rtw	1	o	2		Dungeness ...	30.18	63	59	n	4	c	3
Ardrossan ...	30.24	56	53	rtw	2	o	1		North Foreland ...	30.19	56	54	rtw	2	c	2
Malin Head ...	30.28	66	53	rtw	3	o	2		London ...	30.22	59	52	rtw	2	o	4
Mullaghmore ...									Yarmouth ...	30.18	58	54	rtw	3	b	2
Belmullet ...	30.38	57	56	w	2	o	4		Rochefort ...	30.19	69	64	rtw	3	b	4
Holyhead ...	30.30	46	53	r	1	c	1									

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

Weather in morning fine and bright (1) over the southern parts of Italy, Algeria, the Spanish Peninsula, the west and north of France, and some parts of our northwestern and southern counties, (2) at Moscow. Cloudy or overcast elsewhere, with rain at Christiana and over Poland and Austria; fog over the Gulf of Finland. Considerable rain later both over the northern parts of Scandinavia and at Lyons, and smaller quantities in some parts of Germany and the north of our Islands.

Temperature fallen decidedly over Austria, eastern Germany, Poland and the Baltic Provinces. Morning readings all below 70°; exceeding 60° at most stations in southern Europe, and at some of the English Channel stations, just 60° at Falmouth and Moscow—lower elsewhere. Lowest 43° at Athens, 48° at Rome, Wiesbaden, and Helsingfors. Not touching 50° later in the northwest of Norway, or 70° over Britain, Ireland, or Germany, but reaching 70° to 73° in the west and south of France, and 81° at Lisbon.

Wind (1) NW<sup>3</sup> to N<sup>2</sup> over the whole of the British Isles, northwestern, and central Europe, and NE<sup>2</sup> over Spain; (2) S<sup>2</sup> (very light and variable) over Hungary, Russia, and Finland, W<sup>2</sup> over the Baltic. Light to moderate in force in most places, strong on the eastern shores of North Sea. Shifting ~~temporarily~~ to NE. in the south of England later. Very little change elsewhere.

Barometer highest (1) 30.3 ins. to 29.9 ins. over central, southern, ~~and western~~ and eastern Russia; (2) 30.3 ins. and more to 30.0 ins. over the British Isles, western, and southeastern Europe. Lowest 29.6 ins. and less, over the east of Lapland, and about 29.8 ins. over Poland and Austria-Hungary. Rising later over Norway and the north of the British Isles, falling slightly over France.

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

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 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 28<sup>th</sup> May 1893

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

Issued by the Meteorological Office, 65, Victoria Street, London. R. H. SCOTT, Secretary.																				
STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.		Force (0 to 12).	Weather.	Barometer.		Shade Temp.			Wind.		Force (0 to 12).	Weather.	Sea (0 to 5).	Shade Temp.		Amount of Rainfall.	
			Reading at 32° F. and Sea Level.	Dry Bulb.			Dirac.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.				Max.	Min.		
	Inch.	°					Inch.	°	°	°							°	Inch.		
SCANDINAVIA.	Haparanda ...	29.86	45	NW	2	0	29.55	- 16	36	36	- 14	SW	6	r	#	0	54	32	-	
	Hernösand ...	29.93	49	W	6	bc	29.94	+ 11	50	42	- 1	W	4	b	#	bc	66	43	-	
	Stockholm ...	29.94	48	Z	0	c	29.97	+ 13	63	49	+ 6	ENE	4	b	#	c	61	45	-	
	Wisby ...	29.96	46	SSW	4	0	29.99	+ 18	49	48	- 4	SSW	4	0	#	0	54	43	-	
	Bodo ...	29.71	40	SW	4	c	29.80	+ 16	42	40	- 4	W	4	c	2	c	46	36	0.20	
	Christiansund...	30.07	43	WSW	6	c	30.05	+ 07	45	41	- 2	WSW	6	0	4	c	47	41	-	
	Skudesnaes ...	30.07	49	NNW	6	b	30.07	+ 05	48	42	- 4	NNW	6	c	3	bc	55	45	-	
	Christiania Fjord (Fjorder)	29.89	51	W	4	b	29.96	+ 05	52	45	- 3	NNE	7	b	2	b	61	50	-	
	Skagen (The Seaw)	29.90	52	W	2	b	29.92	+ 04	53	51	- 2	N	2	m	0	b	63	46	-	
	Fanö ...	30.01	50	NNW	6	b	29.96	+ 08	51	47	- 0	NNW	6	c	#	b	64	48	-	
BRITISH ISLANDS.	Sumburgh Head	30.15	50	W	2	c	29.99	- 08	50	50	- 2	W	1	r	3	c	54	47	0.11	
	Sornoway ...	30.23	55	W	2	0	30.14	- 10	54	53	+ 1	NNW	3	0	3	0	59	51	0.03	
	Wick ...	30.22	52	NNW	1	0	30.09	- 09	53	51	+ 1	NNW	5	0	2	0	58	50	0.14	
	Nairn ...	30.22	60	Z	0	r	30.14	- 06	59	57	+ 1	SW	2	0	1	r	67	52	0.09	
	Aberdeen ...	30.23	53	SSE	2	bc	30.14	- 06	60	55	+ 8	NNW	2	0	0	bc	63	51	0.01	
	Leith ...	30.22	61	W	2	c	30.17	- 07	60	56	+ 4	WSW	2	0	#	c	71	49	-	
	Shields ...	30.22	56	N	1	b	30.16	- 07	61	57	+ 3	SW	2	c	2	bc	61	51	-	
	Spurn Head ...	30.22	56	NNW	1	bc	30.19	- 02	55	55	- 0	SE	1	c	2	bc	60	51	-	
	York ...	30.24	62	NNW	1	b	30.21	- 04	58	55	+ 1	W	1	0	#	b	65	52	-	
	Loughborough	30.24	62	NNE	2	c	30.22	- 02	60	56	+ 1	NNW	1	c	#	c	65	46	-	
GERMANY & HOLLAND.	Ardrossan ...	30.24	61	NNW	2	b	30.21	- 07	55	53	+ 1	NNW	2	0	1	bc	63	51	-	
	Malin Head ...	30.21	55	NNW	2	0	30.24	- 07	53	53	- 0	NNW	2	0	1	0	60	52	-	
	Mullaghmore ...	30.31	57	N	2	0	30.30	- 07	57	56	+ 2	NNW	2	c	#	0	62	52	-	
	Belmullet ...	30.30	59	NNW	5	bc	30.25	- 07	55	54	- 0	N	2	m	0	bc	63	53	-	
	Donaghadee ...	30.27	59	NNW	2	bc	30.23	- 05	57	55	- 0	W	2	bc	2	bc	59	51	-	
	Liverpool (Bilston)	30.27	54	NNW	2	b	30.25	- 05	54	53	- 2	Z	0	c	0	bc	58	50	-	
	Holyhead ...	30.31	65	Z	0	b	30.26	- 09	61	57	+ 5	Z	0	0	#	b	65	55	-	
	Parsonstown ...	30.34	59	NW	2	c	30.24	- 08	60	56	+ 2	Z	0	c	1	0	64	52	-	
	Valencia ...	30.33	60	ESE	1	b	30.28	- 07	57	55	- 3	N	1	bc	1	b	65	51	-	
	Roche's Point	30.26	60	NNE	4	b	30.28	- 01	59	56	+ 3	ENE	2	b	2	b	61	50	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.27	57	NNE	4	bc	30.22	- 06	59	56	+ 2	NNE	3	0	2	bc	60	54	-	
	Scilly ...	30.24	59	ENE	2	bc	30.24	- 04	60	58	+ 4	E	1	bc	0	bc	61	53	-	
	Prawle Point ...	30.22	60	NNW	3	bc	30.23	- 01	63	54	+ 5	NNE	3	b	3	bc	63	55	-	
	Jersey (St. Aubin's)	30.23	59	WSW	2	c	30.24	- 00	59	54	+ 2	E	1	bc	1	mc	66	48	-	
	Hurst Castle ...	30.21	57	E	3	c	30.19	- 00	57	52	+ 1	NE	3	b	2	c	61	42	-	
	Dungeness ...	30.21	54	NE	4	0	30.21	+ 01	55	51	- 0	NE	3	b	2	0	60	50	-	
	North Foreland	30.23	60	N	2	b	30.24	+ 01	59	53	+ 3	WSW	1	bc	#	bc	64	48	-	
	Oxford ...	30.24	58	NE	1	bc	30.23	- 02	59	54	+ 5	Z	0	b	#	bc	65	46	-	
	Cambridge ...	30.25	61	NNW	4	b	30.22	- 01	58	53	- 1	NNW	1	bc	#	b	64	45	-	
	Yarmouth ...	30.21	55	N	4	bc	30.19	+ 02	55	51	+ 1	N	3	b	3	c, bc	57	46	-	
PENINSULA.	Cuxhaven ...	30.03	51	NW	4	bc	30.08	+ 12	51	49	- 0	NNW	4	bc	#	bc	55	50	-	
	Berlin ...	29.96	55	W	2	0	30.00	+ 07	53	51	+ 2	NNW	4	0	#	0	57	50	0.04	
	Wiesbaden ...	#	#	#	#	#	30.13	+ 03	52	48	- 2	N	4	b	#	#	61	50	-	
	Munich ...	30.09	49	SW	2	0	30.12	+ 07	49	46	+ 1	SW	4	b	#	0	55	43	0.04	
	The Helder ...	30.19	53	N	4	bc	30.20	+ 05	53	47	- 0	N	4	c	3	bc	55	50	-	
	Brussels (a.m.)	#	#	#	#	#	30.19	+ 02	51	48	- 4	NW	2	0	#	0	58	49	-	
	Cape Gris Nez	30.17	54	NE	3	c	30.16	- 01	53	49	- 4	NNE	3	c	2	c	61	50	-	
	Paris ...	30.17	60	NNE	3	0	30.22	+ 03	52	49	- 4	N	2	0	#	0	64	45	-	
	Brest ...	#	61	NE	3	b	#	#	55	51	+ 2	ESE	2	b	2	b	70	46	-	
	Lorient ...	30.16	64	NNE	3	bc	30.19	- 02	54	50	- 1	ENE	4	b	2	bc	72	52	-	
FRANCE AND BELGIUM.	Rocheport ...	30.08	71	NE	4	b	30.13	- 00	55	52	- 2	ENE	4	b	#	b	81	50	-	
	Belfort ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lyons ...	30.03	60	N	4	b	30.05	- 02	63	46	- 4	N	3	b	#	b	66	48	-	
	Nice ...	29.79	63	Z	0	c	29.86	- 01	60	53	- 3	NE	2	b	2	c	68	52	0.12	
	Perpignan ...	29.91	75	N	4	b	30.00	- 01	67	59	- 4	NE	2	b	#	b	81	58	-	
	Biarritz ...	30.03	67	W	2	b	30.01	- 05	59	53	- 1	ENE	3	b	1	b	70	54	-	
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#		
	Lisbon ...	29.95	66	SW	3	b	29.94	- 03	65	61	- 6	WSW	3	0	#	b	77	63	-	

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> May 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

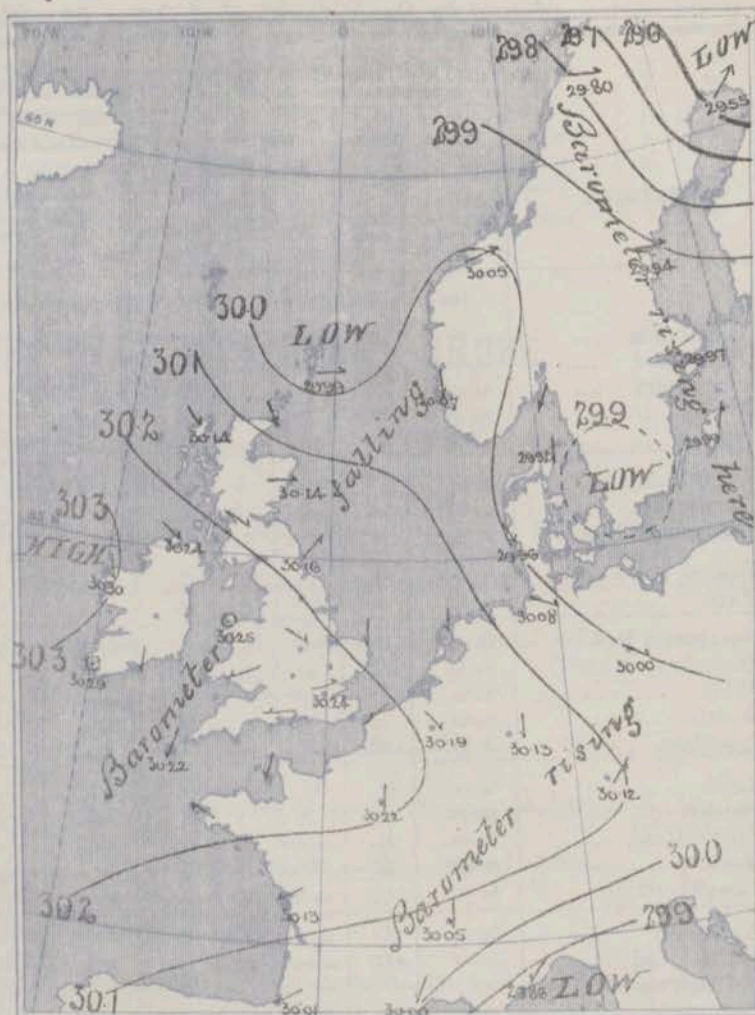
**SEA DISTURBANCE**—Where considerable, is shown thus:

— Rough. — High.

### MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sunbury Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Ardrossan	29.985
Mullaghmore	29.929
Donaghadee	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.959
Pembroke	29.961
Scilly	29.974
Prawle Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

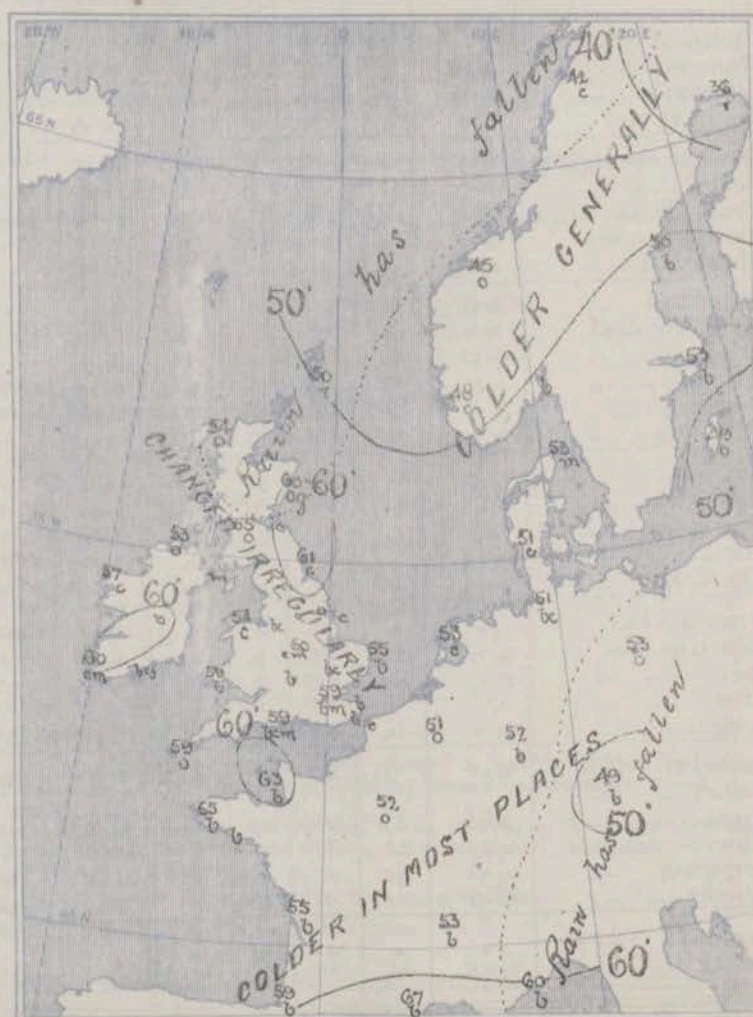
**WEATHER**—is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sunbury Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.6	46.4	2.61
Wick	53.9	40.6	48.1	45.6	1.09
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.9	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.60
Spurn Head	54.3	43.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Ardrossan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Donaghadee	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.5	48.0	1.96
Liverpool	58.0	45.9	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	2.20
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Scilly	58.3	48.2	52.7	50.3	1.73
Prawle Point	59.6	43.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.0	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.86
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.9	50.6	48.1	1.86

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. to 30.3 ins. over Ireland, England, and the north of France.  
 Lowest, 29.6 ins. and less, in the north of Sweden; 29.9 ins. and less, over the Gulf of Genoa; 30.0 ins. and less, in a shallow depression lying to the north-east of the Shetlands.  
 Gradients moderate over the north of Scandinavia, slight elsewhere.  
 Barometer falling a little in most parts of the United Kingdom, but rising at the Continental stations.

## TEMPERATURE

Highest, 67° at Perpignan, 65° at Lisbon, 63° at Jersey, 61° at Shields and Parsonstown, and 60° at Aberdeen, Leth, Loughborough, and Valence (Ireland).  
 Lowest, 36° at Haparanda, 42° at Åbo, 45° at Christianmünd, 48° at Rudesdal, 49° at Kirby, and 50° at Lumburg Ht.  
 The highest maxima registered over our Islands yesterday were 71° at Leth, 67° at Skar, and 66° at Hurst Castle.

## WIND

Light from the NW<sup>2</sup> over the northern parts of the United Kingdom, strong from the same quarter on the eastern shores of the North Sea; W<sup>2</sup> or SW<sup>2</sup> over the northern parts of Scandinavia.  
 Light or moderate from the E<sup>2</sup> or NE<sup>2</sup> over France and the extreme south of our Islands.

## WEATHER

Fine and bright over the greater part of England and France, as well as over Central Sweden and the eastern and southern parts of Germany.  
 (Dull over the northern parts of our Islands and Scandinavia, with rain at Lumburg Ht. and also at Haparanda.)  
 A little rain fell yesterday in Scotland, as well as in Germany and the south of France.

## SEA

Light or smooth on all coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 29<sup>th</sup> May 1893.

### DISTRICTS.

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

### FORECASTS.

None issued

### DISTRICTS.

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

### FORECASTS.

None issued

### WARNINGS

None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.08	55	50	NW	6	bc	3	Valencia ...	30.27	60	58	W	1	o	1	
Sumburgh Head ...	30.19	52	48	W	2	c	3	Scilly ...	30.28	59	55	NNE	4	bc	3	
Stornoway ...	30.24	59	57	W	3	o	3	Jersey ...	30.28	61	55	NNW	4	b	3	
Aberdeen ...	30.22	62	55	NNW	3	bc	2	Hurst Castle ...	30.23	63	59	E	2	m	1	
Shields ...	30.24	56	52	N	1	c	2	Dungeness ...	30.19	58	55	SW	3	c	2	
Ardrossan ...	30.27	62	59	NNW	2	bc	1	North Foreland ...	30.21	56	52	NE	3	o	3	
Malin Head ...	30.33	59	57	NNW	2	o	1	London ...	30.23	61	53	NE	1	o	*	
Mullaghmore ...								Yarmouth ...	30.20	56	52	N	4	c	3	
Belmullet ...	30.38	60	59	NW	2	o	*	Rocheport ...	30.17	76	71	N	4	b	*	
Holyhead ...	30.32	59	55	N	1	bc	1									

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

Weather in morning fine and bright over the southern side of the Mediterranean, the Peninsula, the greater part of France, and the south-western counties of England, as well as in some parts of Russia and Scandinavia, cloudy or overcast elsewhere, with rain at Helsingfors and at Lening. Some rain at Christiansund and in the north and east of Scotland, as well as at Wies and in some part of Germany, large quantities in many parts of Italy, but sky clearing over Ireland and England.

Temperature in morning, highest 72° at Algiers, 71° at Lisbon, 70° at Khiridi and Gounna and above 60° over the southern countries of Europe generally, as well as over Central Russia, above 50° in most other places. Lowest, 46° at Bodo, 47° at Christiansund and Stockholm, 48° at Bangö. Rising to between 60° and 65° over the United Kingdom (71° at Louth) and to between 70° and 81° in the west and south of France and the south of Italy, to 90° at Palma, and to 95° at Biskra (Algeria).

Wind light to moderate from between W. and N. over Scotland, the North Sea and Germany, NE<sup>3</sup> in the English Channel, NE<sup>3</sup> and E<sup>3</sup> over the Bay of Biscay and Spain; SW<sup>3</sup> over the Balearic Provinces, S<sup>3</sup> over northern Russia, but E<sup>3</sup> over the north of Russia, and very variable over southeastern Europe and Italy. Strong SW<sup>3</sup> breeze on the north-west coast of Norway, and NW<sup>3</sup> on the Danish coast during day, and a NW<sup>3</sup> breeze over Corsica, Sardinia, and the south of Italy.

Barometer highest (1) 30.3 ins. and more to 30.0 ins. in an anticyclone spreading in from the Atlantic over the British Isles, the North Sea, Spain, France, and Western Germany; (2) 30.2 ins. and more to 30.0 ins. over Central Russia. Lowest 29.7 ins. and less, over Lapland and in a small depression at the mouth of the Gulf of Bothnia; (2) 29.8 ins. and less, in another small disturbance over the south of Sweden, and in a larger system over the Balkan Peninsula. Depressions in far north growing deeper later and moving eastwards.

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

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

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

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on

Monday, 29<sup>th</sup> May,

1893

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	WIND.		Weather.	Force (0 to 12).	BAROMETER.		SHADE TEMP.		WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.			Force (0 to 12).	Weather.		Max.	Min.	
Ina.	°					Ina.	°	°	°								ins.			
SCANDINAVIA.																				
Haparanda ...	29.88	41	2	0	c		29.96	+0.08	50	43	+ 14	E	2	c	#	c	54	32	-	
Hernösand ...	29.94	48	SW	2	b		29.93	-0.01	47	42	- 5	S	2	bc	#	b	63	37	-	
Stockholm ...	29.96	46	SE	2	0		29.80	-0.17	45	43	- 2	ESE	2	0	#	0	39	41	-	
Wisby ...	29.95	46	SSE	4	b		29.82	-0.17	49	48	- 1	S	4	c	#	b	54	43	-	
Bodö ...	29.94	41	WNW	2	0		29.95	+0.01	41	40	- 1	N	2	bc	†	0	45	37	0.12	
Christiansund...	29.97	43	WNW	2	†		29.99	-0.02	44	41	- 3	WNW	3	bc	4	†	45	41	0.16	
Skudesnaes ...	29.93	50	SSW	1	†		29.83	-0.10	48	43	- 5	WNW	10	c	5	†	52	46	-	
Christiania Fjord (Færder)	29.85	55	W	5	b		29.65	-0.20	52	57	+ 5	NE	5	0	2	b	59	52	-	
Skagen (The Scaw)	29.88	50	WNW	1	b		29.69	-0.19	52	50	- 2	W	5	0	2	b	60	46	-	
Fanö ...	29.96	48	W	4	b		29.87	-0.09	51	50	- 1	W	6	0	#	b	61	48	-	
Sumburgh Head	29.96	49	W	3	†		30.13	+0.17	45	43	- 2	N	2	c	3	†	52	40	0.01	
Stornoway ...	30.14	55	W	2	0		30.19	+0.05	48	46	- 2	NE	4	0	4	c, 0	59	45	-	
Wick ...	30.07	55	W	4	0		30.19	+0.12	47	45	- 2	W	2	0	1	0	58	44	-	
Nairn ...	30.10	59	WNW	1	c		30.20	+0.10	48	46	- 2	ESE	1	0	2	c	61	44	0.07	
Aberdeen ...	30.09	62	WNW	4	cq		30.18	+0.09	48	43	- 5	ENE	3	0	3	c, q, p	64	47	0.03	
Leith ...	30.11	61	2	0	0		30.16	-0.05	48	47	- 1	ENE	4	†	†	0	73	46	0.59	
Shields ...	30.10	60	2	0	cm		30.11	-0.01	51	51	- 0	NE	4	†	3	p, c, r	64	50	0.05	
Spurn Head ...	30.10	54	WNW	2	ov		30.06	-0.04	52	52	- 0	NE	1	†	2	p, ov	57	51	0.24	
York ...	30.14	58	SW	1	op		30.08	-0.06	58	56	- 2	W	1	0	#	0	67	51	0.22	
Loughborough	30.14	65	2	0	c		30.10	-0.04	59	55	- 4	W	2	c, w	#	c	70	50	-	
BRITISH ISLANDS																				
Ardrossan ...	30.16	58	WNW	2	bc		30.11	-0.05	55	53	- 2	W	1	0	1	bc	61	51	-	
Malin Head ...	30.20	55	W	3	0		30.16	-0.04	58	53	- 5	ENE	3	0, 2, p	2	cm	59	52	0.01	
Mullaghmore ...																				
Belmullet ...	30.27	59	WNW	2	c		30.21	-0.06	56	55	- 1	WNW	2	0	#	c	60	55	0.02	
Donaghadee ...	30.21	56	WNW	3	c		30.16	-0.05	55	54	- 1	W	1	m	0	c	58	53	-	
Liverpool (Bidston)	30.19	61	W	2	b		30.12	-0.07	53	52	- 1	W	2	0	2	b	62	52	-	
Holyhead ...	30.21	55	WNW	1	b		30.15	-0.06	59	56	- 3	WNW	1	0	1	b	59	51	-	
Parsonstown ...	30.21	62	2	0	0		30.19	-0.02	54	53	- 1	2	0	0	#	0, b	66	46	-	
Valencia ...	30.24	61	W	2	0		30.19	-0.05	59	58	- 1	2	0	om	1	0	63	47	-	
Roche's Point	30.22	59	ESE	1	c		30.19	-0.03	60	56	- 4	N	1	b	1	c	65	55	-	
Pembroke (St. Ann's Hd.)	30.18	62	ENE	3	bc		30.14	-0.04	58	56	- 2	ENE	2	c, g	1	bc	66	52	-	
Scilly ...	30.22	60	ENE	2	b		30.13	-0.09	58	57	- 1	N	1	f	0	b	65	53	-	
Prawle Point ...	30.18	62	W	3	b		30.11	-0.07	61	57	- 4	WNW	1	0	0	b	66	54	-	
Jersey (St. Aubin's)	30.17	64	N	3	b		30.11	-0.06	61	53	- 8	WNW	1	bm	1	bc, b	66	47	-	
Hurst Castle ...	30.15	58	SSW	2	bcm		30.10	-0.05	60	57	- 3	NE	1	bcm	0	bcm	64	54	-	
Dungeness ...	30.14	58	SW	2	b		30.07	-0.07	57	55	- 2	W	1	c	1	b	61	53	-	
North Foreland	30.15	56	SE	3	b		30.08	-0.07	58	55	- 3	S	2	og	1	b	57	51	0.03	
London ...	30.14	65	WNW	1	0		30.08	-0.06	60	56	- 4	W	1	om	#	om, b	69	50	-	
Oxford ...	30.14	62	WNW	1	0		30.10	-0.04	59	56	- 3	WNW	2	0	#	0	71	50	-	
Cambridge ...	30.14	61	ENE	1	†		30.09	-0.05	59	57	- 2	WNW	2	0	#	†	71	53	0.06	
Yarmouth ...	30.15	58	SE	2	b		30.06	-0.09	59	56	- 3	ENE	2	b	2	b	59	54	-	
GERMANY & HOLLAND																				
Cuxhaven ...	30.05	52	WNW	6	bc		29.97	-0.08	54	53	- 1	WNW	5	0	#	bc	56	51	-	
Berlin ...	29.97	55	WNW	3	b		29.93	-0.04	48	45	- 3	W	4	0	#	b	61	46	-	
Wiesbaden ...		#	#	#	#		30.07	-0.06	56	51	- 5	N	2	c	#	#	64	48	-	
Munich ...	30.08	53	2	0	c		30.05	-0.03	54	50	- 4	W	3	b	#	c	61	45	-	
The Helder ...	30.16	53	W	1	c		30.10	-0.06	54	52	- 2	WNW	1	c	2	c	55	52	-	
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)		#	#	#	#		30.10	-0.09	55	50	- 5	WSW	1	c	#	b	60	44	-	
Cape Gris Nez	30.12	57	NE	1	c		30.06	-0.06	55	54	- 1	S	1	c	1	c	61	52	-	
Paris ...	30.13	57	N	2	b		30.11	-0.02	54	51	- 3	NE	1	b	#	b	61	44	-	
Brest ...		65	NE	4	b		?	?	53	51	- 2	ENE	1	b	2	b	73	46	-	
Lorient ...	30.11	65	NE	4	bc		30.10	-0.01	54	50	- 4	ENE	3	b	2	bc	68	52	-	
Roche fort ...	30.03	69	ENE	4	b		30.02	-0.01	55	52	- 3	E	4	b	#	b	77	50	-	
Belfort ...		65	E	3	bc		?	?	64	57	- 7	E	3	b	#	bc	77	45	-	
Lyons ...	29.99	64	N	1	b		30.03	-0.02	56	56	- 0	ENE	1	b	#	b	68	49	-	
Nice ...	29.91	64	SW	1	bc		29.94	+0.03	63	53	- 10	NE	1	bc	?	bc	77	54	-	
Perpignan ...	29.96	69	SE	2	b		29.99	-0.03	63	58	- 5	SE	1	0	#	b	76	52	-	
Biarritz ...	29.99	66	WNW	2	b		29.96	-0.03	61	55	- 6	S	2	b	0	b	70	55	-	
PENIN- SULA.																				
Corunna ...		#	#	#	#											#				
Lisbon ...	30.00	64	SSE	3	bc		29.99	+0.01	64	59	- 5	W	4	0	#	bc	70	63	-	

For Explanation of Columns...

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> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

—dotted rain.

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

— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

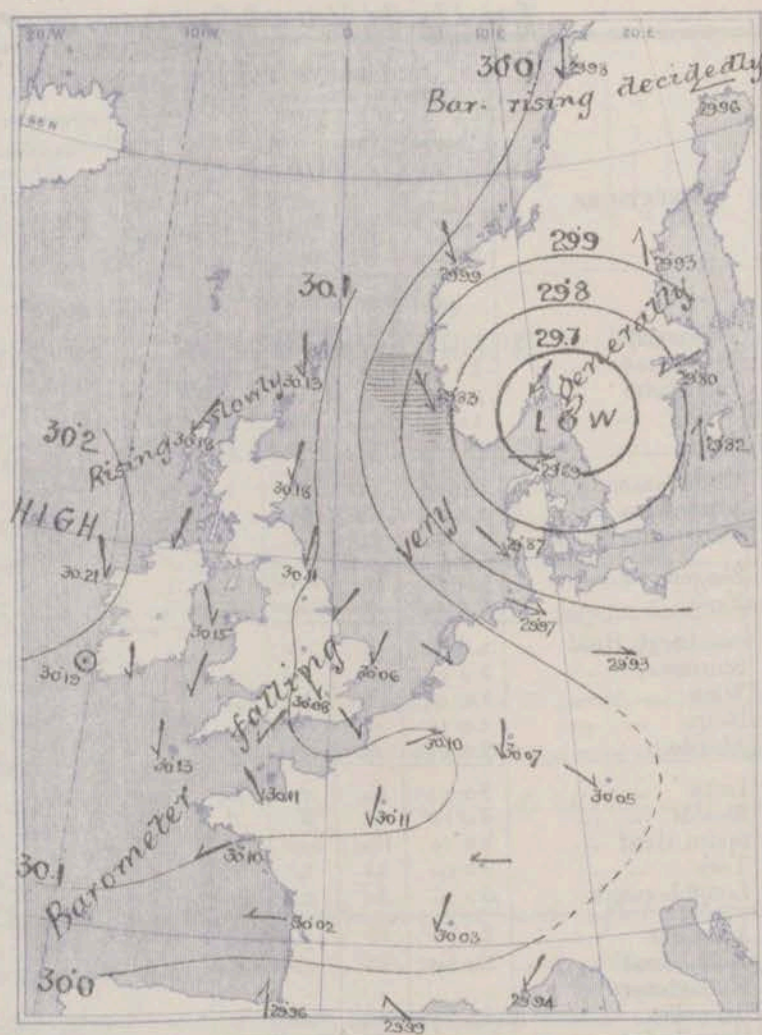
at 8 a.m. for the month of May

During the 25 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunbrough Head	29.870
Stornoway	29.880
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spain Head	29.956
York	29.962
Loughborough	29.973
Ayr	29.985
Mullaghmore	29.989
Douglas	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Rocha's Point	29.959
Penryn	29.961
Sally	29.974
Princes Point	29.982
Jersey	29.989
Hurst Castle	29.982
Dover	29.979
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

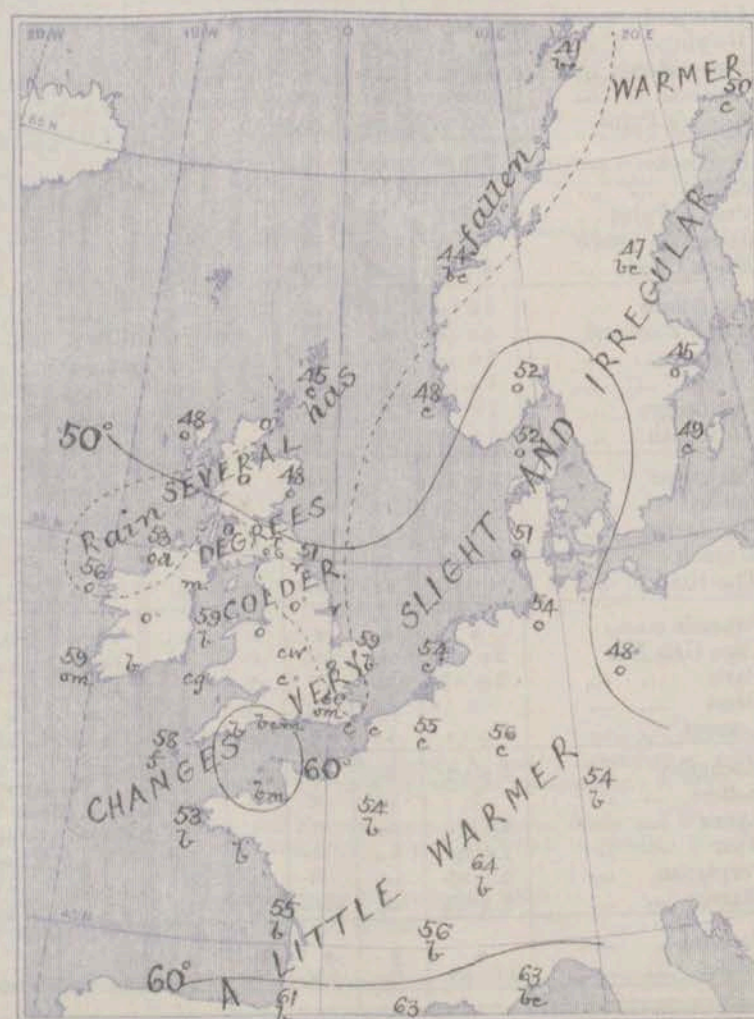
**WEATHER**—is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sunbrough Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.0	46.4	2.01
Wick	53.9	40.0	48.1	45.6	1.00
Nairn	56.3	42.2	48.6	45.4	1.01
Aberdeen	55.0	41.0	48.9	45.4	1.50
Leith	57.8	43.4	50.1	46.7	1.07
Shields	54.4	42.0	49.9	46.0	1.00
Spain Head	54.2	43.1	49.3	47.2	1.57
York	59.0	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Ayr	56.7	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Douglas	50.0	44.2	49.0	47.5	2.25
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	45.0	50.8	46.0	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.20
Rocha's Point	58.0	46.2	51.7	48.8	3.14
Penryn	55.9	45.9	50.9	47.7	2.03
Sally	56.7	48.2	52.7	50.3	1.72
Princes Point	59.0	45.3	51.4	49.4	1.56
Jersey	59.1	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.0	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.70
LONDON	62.3	44.4	52.5	48.5	1.85
Oxford	60.0	43.4	50.5	47.5	1.05
Cambridge	62.0	42.0	51.7	48.5	1.90
Yarmouth	55.4	44.0	50.0	48.1	1.86

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying to the westward of our Islands.

Lowest, 29.7 in. and less, in a well-marked depression lying over the south of Scandinavia.

Gradients moderate over the eastern part of the North Sea, but slight elsewhere.

Barometer rising in Scotland and the north of Scandinavia, as well as in the south of France, but falling elsewhere—chiefly in the south of Norway.

## TEMPERATURE

Highest, 64° at Belfast and Lisbon, 63° at Nice and Perpignan, 61° at Ponsépoint, Jersey, and Biarritz, and 60° at Portland, West Castle, and London.

Lowest, 41° at Oslo, 44° at Christiania, 45° at Stockholm and Leningrad, and 47° at Helsingfors and Vicks.

The highest maxima registered over our Islands were 73° at Leth, and 71° at Oxford and Cambridge.

## WIND

Light or moderate from the NE. in Scotland, and from the N. on our western coasts; variable in the southeast of England.

Strong from the NW. on the eastern shores of the North Sea, with a gale at Skudesnæs, light from the S. or E. in Sweden.

NE. or E. over the greater part of France, but S. at Biarritz.

## WEATHER

Dull over the northern parts of the United Kingdom, and also in Denmark, North Germany, and the south of Scandinavia; rainy in the northeast of England, as well as at Leth.

Fine and bright over France and the extreme south of our Islands.

Since yesterday morning rain has fallen at several of our northern and eastern stations, the largest amount being 0.6 in. at Leth.

## SEA

Light or smooth generally, but rather rough at Skudesnæs.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Small shallow depressions are apparently forming over the east and southeast of England, and rain is therefore probable in those districts, with thunder locally. Lower temperatures are spreading over Great Britain from the northward.

## FORECASTS

For the 24 hours ending at NOON on 30<sup>th</sup> May, 1893.

### DISTRICTS.

### FORECASTS.

0 SCOTLAND  
NORTH

N. and NE. winds, moderate;  
cloudy, local showers.

1 SCOTLAND  
EAST

2 ENGLAND  
N.E.

N. winds, light or moderate;  
some rain at first then fair.

3 ENGLAND  
EAST

Same as N° 5.

4 MIDLAND  
COUNTIES

5 ENGLAND  
SOUTH

N. and NW. winds, light; changeable, some  
rain, possibly thunder. Becoming cooler.

### DISTRICTS.

### FORECASTS.

6 SCOTLAND  
WEST

NW. and N. winds, light; fair generally,  
but local showers.

7 ENGLAND  
N.W.

8 ENGLAND  
S.W.

9 IRELAND  
NORTH

N. winds, light; fair generally.

10 IRELAND  
SOUTH

### WARNINGS

None issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.04	52	47	NW	4	0	2	Valencia ...							
Samburgh Head								Scilly ...							
Stornoway ...	30.14	59	56	NW	3	0	3	Jersey ...	30.21	65	57	NE	4	6c	3
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	30.18	59	53	Z	0	6	0
Ardrossan ...								North Foreland...	30.18	57	51	SE	3	6	2
Malin Head ...	30.13	58	56	WNW	3	0	1	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.30	60	59	NW	2	0	1	Rocheport ...	30.07	72	66	E. N.E.	4	6	1
Holyhead ...	30.24	58	55	NW	1	6	1								

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

Weather in morning fine and bright over the Peninsula, France, southern and western Germany, and the south of our Islands, also over central Russia, and in many parts of Sweden, cloudy or overcast elsewhere, and unsettled over Scandinavia, central and southeastern Europe. Rain falling at Haparanda, Riga, Hernstadt and Leghorn, fog still prevalent over the Gulf of Finland. Rain later in the northwest of Norway, the east of Scotland and northeast of England (0.6 ins. at Leith and 0.2 ins. at Shields and York), slight showers on our extreme northwest coast, as well as at Cambridge and the north Foreland, and a sprinkling in London.

Temperature changing little and somewhat fitfully. Morning readings highest 76° at Algiers, 70° at Brindisi, and above 60° over the Mediterranean, the coasts of SE. and SW. Europe, and central Russia; above 50° in most other places, but lowest 36° at Haparanda, 41° at Hango, 42° at Helsingfors, 46° at Kuopio, 50° at Samburgh Head. Rising later to between 65° and 71° in many parts of England and Ireland, not touching 65° over Germany, but exceeding 75° at several stations in the west and south of France.

Wind (1) light and anticyclonic over northwestern Europe - NW in Scotland, N. and variable over England, E. to N. over the Channel, France, the Bay of Biscay and Spain; (2) anticyclonic SE. over the S. of Russia, SW. and W. over Finland and at Moscow. Very variable elsewhere, but mainly cyclonic - E. and NE. in the S. of France, SE. over the Adriatic and on the Algerian coasts. No decided change in our Islands later, but backing N. over the Channel.

Barometer highest (1) 30.5 ins. to 30.0 ins. in an anticyclone stretching in from the Atlantic over our Islands, the North Sea and western Europe, (2) 30.1 ins. and more to 30.0 ins. over central Russia. Lowest 29.6 ins. and less over Lapland and the Kola Peninsula, 29.7 ins. over Transylvania and Italy, and below 30.0 ins. over the Baltic, N. Germany, Poland, SE. Europe, and the Mediterranean generally. Falling slightly and irregularly over western Europe as a whole.

### SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 21<sup>st</sup> TO 27<sup>th</sup> MAY, 1893

After an interval of showery weather the past week has witnessed a renewal of the drought over a considerable portion of England, and in many parts of our Midland and southern counties the seven days have been absolutely rainless.

At the commencement of the period the barometer was highest over Sweden, and lowest in a depression lying off our extreme northwest coasts, the prevailing winds being S. and the weather fair in the eastern, but showery in the western parts of the United Kingdom. On Sunday night a small secondary depression which had formed over France advanced northwards to Holland and the North Sea, its passage along our southeast coasts being marked by considerable falls of rain in places. At Yarmouth 0.5 in. was measured on Monday morning, and at the North Foreland 0.6 in.

On the 22<sup>nd</sup> however, an anticyclone began to spread over our southern districts from the SW. and fair dry weather set in over the greater part of England. In Scotland and the north of Ireland the conditions were affected by some large depressions which skirted our extreme northern coasts, and which produced very unsettled, showery weather. On the 25<sup>th</sup> the wind in the rear of one of these systems increased to a moderate gale from the NW in the north of Scotland.

A large anticyclone now spread over our Islands from the westward, and N. breezes set in generally with fair dry weather in all but our northern districts, where occasional showers were still reported. The sky was, however, cloudy in many places, and temperature was rather below the average 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 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 30<sup>th</sup> MAY.

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.		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 8).	Weather.	Max.	Min.	Amount of Rainfall.		
	Inch.	°				Inch.		°										Inch.		
SCANDINAVIA.	Haparanda ...	29.88	50	NE	4	bc	29.77	-15	36	36	-14	NE	8	7	*	bc	61	52	0.28	
	Hernösand ...	29.76	48	NE	4	c	29.63	-30	47	43	0	NE	6	7	*	c	66	57	0.08	
	Stockholm ...	29.65	48	E	2	bc	29.53	-21	46	46	+1	E	2	7	*	bc	59	41	0.12	
	Wishby ...	29.63	50	S	4	c	29.58	-24	52	49	+3	SW	4	0	*	c	63	57	—	
	Bodö ...	29.01	42	N	6	bc	29.97	-01	44	40	+3	N	4	6	2	bc	44	37	—	
	Christiansund ...	29.07	41	NE	5	f	29.02	+23	42	39	-2	NE	2	7	3	f	48	39	0.08	
	Skudesnaes ...	29.86	46	NNW	8	f	29.84	+01	47	41	-1	NNW	8	6	3	f	58	46	—	
	Christiania Fjord (Vardø)	29.63	46	N	8	T	29.68	+05	40	39	-12	NNW	8	7	3	T	52	33	—	
	Skagen (The Scaw)	29.55	45	N	6	T	29.62	-07	42	42	-9	N	6	7	4	T	58	41	0.20	
	Fanö ...	29.82	47	NNW	6	c	29.77	-10	48	44	-3	NNW	6	c	*	c	54	46	—	
BRITISH ISLANDS.	Sumburgh Head	29.15	45	N	2	c	29.11	-02	43	39	-2	N	2	c	5	c	49	38	—	
	Stornoway ...	29.22	49	NE	4	bc	29.22	+23	47	46	-1	N	4	c	4	c	51	45	—	
	Wick ...	29.21	40	NNE	2	o	29.16	-03	45	43	-2	N	5	0	3	o	49	32	—	
	Nairn ...	29.20	50	E	2	bc	29.15	-01	48	45	0	ESE	2	c	2	bc	54	41	—	
	Aberdeen ...	29.20	49	N	2	o	29.15	-03	47	41	-1	N	4	bc	4	c	53	41	—	
	Leith ...	29.18	51	E	2	c	29.16	00	48	44	0	N	1	0	*	c	53	45	0.03	
	Shields ...	29.16	49	NNW	2	c	29.14	+23	48	45	-3	N	2	0	3	f	51	44	0.02	
	Spurn Head ...	29.10	50	NNE	2	ov	29.05	+23	48	47	-4	NNW	4	c	4	f	56	46	0.16	
	York ...	29.15	49	NE	1	T	29.14	+06	46	43	-12	N	2	0	*	T	62	43	0.20	
	Loughborough	29.10	53	NE	4	T	29.15	+05	47	44	-12	NE	2	0	*	d	69	45	0.06	
GERMANY & HOLLAND.	Ardrossan ...	29.16	54	NE	2	ov	29.16	+05	52	49	-3	S	1	bc	0	ov	58	44	0.03	
	Malin Head ...	29.14	55	N	2	bc	29.17	+01	52	49	-1	NNE	2	bc	2	o	58	49	—	
	Mullaghmore ...	29.18	57	NE	2	o	29.19	-02	53	52	-1	NE	5	bc	*	bc	60	51	—	
	Belmullet ...	29.14	58	NNW	4	c	29.18	+02	52	49	-5	ESE	2	c	2	c	61	47	—	
	Donaghadee ...	29.10	57	W	1	o	29.15	+03	46	44	-7	ESE	1	T	1	o	53	44	0.03	
	Liverpool (Bilston)	29.11	53	NNW	1	c	29.13	-02	50	49	-9	ESE	4	c	3	bc	60	49	—	
	Holyhead ...	29.10	63	SW	1	o	29.16	-03	56	53	+2	2	0	bc	*	c	68	50	0.21	
	Parsonstown ...	29.15	61	NNW	2	bc	29.12	-07	60	57	+1	N	1	bc	2	bc	67	48	—	
	Valencia ...	29.13	60	ESE	1	bc	29.11	-04	57	54	-3	ESE	2	c	3	bc	64	54	—	
	Roche's Point	29.08	60	NNE	2	bc	29.08	-06	56	54	-2	SE	1	ov	0	bc	62	51	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.09	60	N	4	bc	29.03	-10	57	56	-1	NNE	4	c	1	bc	63	53	—	
	Seilly ...	29.05	64	NNW	1	c	29.06	-05	53	54	-6	ESE	4	ov	3	c	65	53	—	
	Prawle Point ...	29.04	66	NNW	2	bc	29.03	-08	62	58	+1	NE	2	bc	3	bc	68	53	—	
	Jersey (St. Aubin's)	29.03	61	NE	2	c	29.07	-03	52	51	-8	NE	2	ov	1	c	67	51	0.01	
	Hurst Castle ...	29.02	58	NNE	2	T	29.04	-03	52	50	-5	ESE	4	c	3	c	62	50	0.07	
	Dungeness ...	29.02	57	NE	4	ov	29.06	-02	50	48	-8	NE	5	ov	4	c	62	48	0.02	
	North Foreland	29.04	58	ESE	1	ov	29.10	+02	49	47	-11	NE	2	0	*	bc	72	47	0.17	
	Oxford ...	29.07	57	NE	2	o	29.12	+02	48	46	-11	NE	2	0	*	bc	70	47	—	
	Cambridge ...	29.06	58	N	2	T	29.12	+03	49	47	-10	NNW	4	0	*	T	71	45	0.29	
	Yarmouth ...	29.07	54	NE	4	cm	29.07	+01	51	45	-8	NNW	4	bc	4	f	60	46	0.03	
PENINSULA.	Cuxhaven ...	29.09	48	NNW	5	bc	29.30	-07	49	46	-5	NNW	5	0	*	bc	54	47	—	
	Berlin ...	29.08	57	W	2	o	29.02	-11	50	48	-2	NNW	4	0	*	o	61	46	—	
	Wiesbaden ...	29.01	56	2	0	bc	29.06	-11	50	51	+1	N	1	0	*	bc	66	48	—	
	Munich ...	29.01	56	2	0	bc	29.01	-04	50	52	+5	SE	2	bc	*	bc	64	46	—	
	The Helder ...	29.09	51	N	4	c	29.06	-04	50	45	-4	NNW	4	c	3	c	59	48	—	
	Brussels (9 a.m.)	29.01	57	NNW	1	o	29.02	-06	51	50	-4	NNE	2	0	3	o	68	46	0.08	
	Cape Gris Nez	29.02	58	NNW	2	bc	29.00	-11	60	57	+6	NNE	2	c	*	bc	63	50	0.04	
	Brest ...	29.01	64	NE	2	bc	29.00	-10	59	56	+4	2	0	bc	0	bc	71	46	—	
	Lorient ...	29.01	66	W	2	bc	29.00	-10	58	55	+4	E	2	bc	2	bc	73	54	—	
	Rochefort ...	29.04	74	NE	4	bc	29.08	-07	60	56	+5	ESE	2	bc	*	bc	82	53	—	
FRANCE AND BELGIUM.	Belfort ...	29.05	69	ESE	2	bc	29.08	-05	61	53	+5	E	2	bc	*	bc	69	48	—	
	Lyons ...	29.05	67	N	1	bc	29.04	-05	61	53	+5	N	1	bc	*	bc	70	50	—	
	Nice ...	29.02	60	2	0	c	29.04	00	62	59	-1	2	0	bc	1	c	70	53	—	
	Perpignan ...	29.02	70	W	2	bc	29.05	-04	65	62	+2	2	0	bc	*	bc	70	53	—	
	Biarritz ...	29.01	68	N	2	c	29.02	-04	63	61	+2	NNW	4	c	1	c	73	57	—	
	Cornwall ...	29.07	65	W	2	o	29.07	+01	63	60	-1	SW	2	0	*	o	72	61	—	
	Lisbon ...	29.07	65	W	2	o	29.07	+01	63	60	-1	SW	2	0	*	o	72	61	—	

For Explanation of Signs.

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, 30<sup>th</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

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

— = Rough. — = High.

## MEAN HEIGHT OF THE BAROMETER

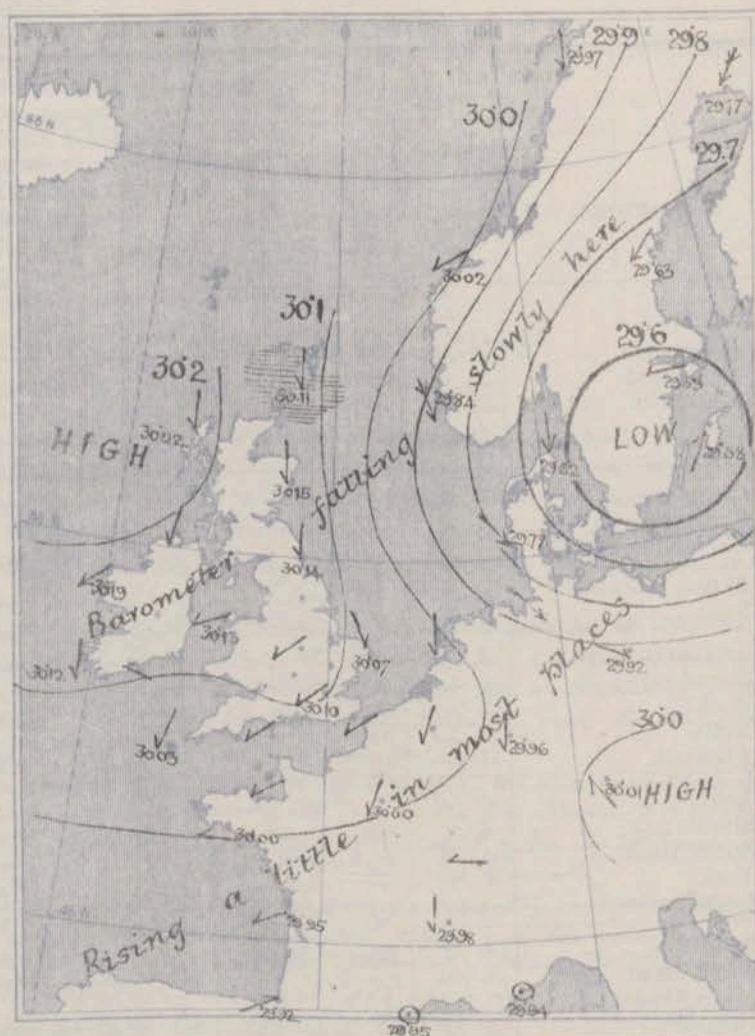
at 8.0 a.m. for the month of May

During the 29 Years 1871—1900.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.879
Stornoway	29.886
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
Spurn Head	29.956
York	29.962
Loughborough	29.973
Androssan	29.935
Mullaghmore	29.929
Dunaghadue	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Rocha's Point	29.959
Pembroke	29.961
Seilly	29.974
Prasle Point	29.982
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Varmouth	29.967



## 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.

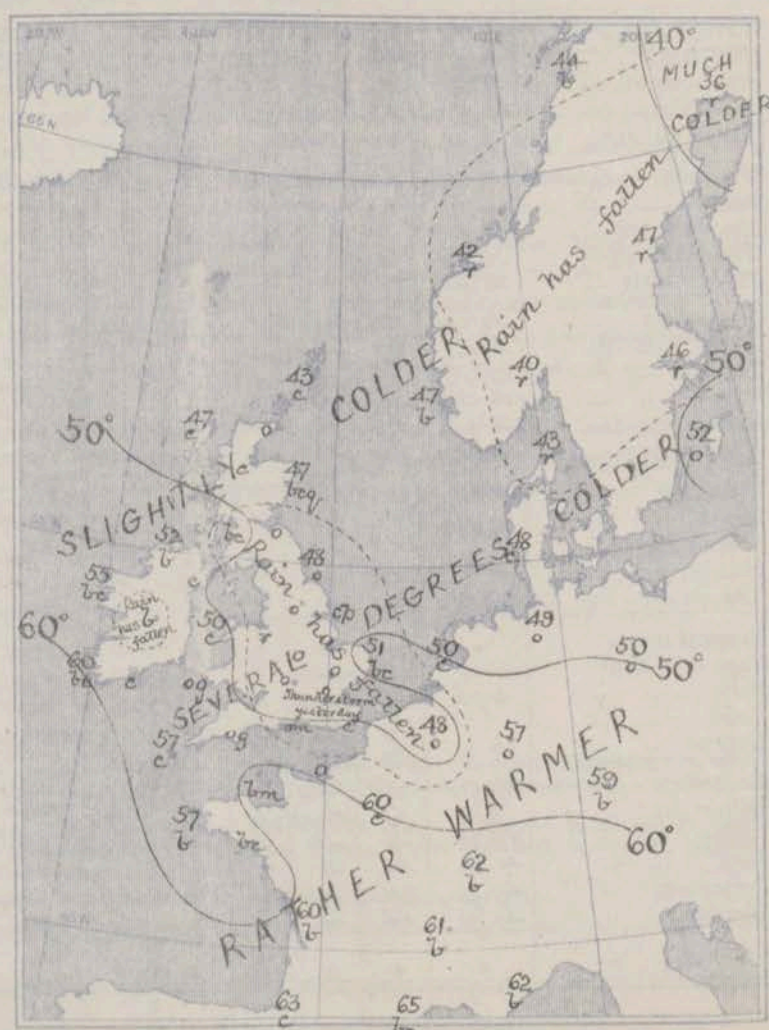
**WEATHER** is shown by letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.3	40.2	46.1	44.0	1.72
Stornoway	53.3	41.1	48.0	46.4	2.61
Wick	53.9	40.0	48.1	45.6	1.69
Nairn	56.3	42.2	48.6	45.4	1.61
Aberdeen	55.0	41.9	48.9	45.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.69
Spurn Head	54.3	45.1	49.3	47.2	1.37
York	50.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.69
Androssan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Dunaghadue	56.0	44.2	49.6	47.5	2.20
Holyhead	56.2	46.2	50.5	48.0	1.90
Liverpool	58.0	46.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	46.3	52.8	49.7	3.29
Rocha's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Seilly	56.3	48.2	52.7	50.3	1.73
Prasle Point	56.6	45.3	51.4	49.4	1.66
Jersey	59.4	47.2	53.6	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.9	1.77
Dover	57.0	46.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.5	1.80
Oxford	60.6	43.4	50.6	47.5	1.95
Cambridge	62.0	42.0	51.7	48.5	1.90
Varmouth	55.4	41.9	50.6	48.1	1.80

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, 30.2 in: and more to 30.0 in over the British Isles, the north of France, and the western half of the North Sea.  
 Lowest, 29.6 in: and less, in a well marked depression lying over the south of Scotland.  
 Gradients steep over Holstein, Denmark, and the south of Norway, slight elsewhere.  
 Barometer changing little and irregularly.

## TEMPERATURE

Highest, 63° at Lisbon, 60° to 65° over France, 60° at Valencia (Ireland).  
 Lowest, 36° to 47° at the Scandinavian stations, 43° at Lumburg, 45° to 48° in the north and east of Scotland generally.  
 Maxima as high as 70° to 72° were recorded over our eastern and south midland counties yesterday, but since then temperature has fallen considerably.  
 At thick a decided frost is reported to have occurred early today.

## WIND

Strong to a gale from between N and NW, on the eastern shores of the North Sea, moderate to fresh from the same point on our own northeast and east coast; light NE in the two Channels and over Ireland, and still more E over the Bay of Biscay.  
 At Lisbon, however, it is SW, and fresh.

## WEATHER

Dull and rainy at most of the Scandinavian stations; very cloudy over the greater part of England, fair in most other places, fine and bright over the southern half of France. Solar halo is reported at Lumburg.  
 Some rain has fallen in many parts of Great Britain and in Belgium. A thunderstorm occurred in various parts of London yesterday afternoon.

## SEA

Moderate on all parts of our northeast and east coasts, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any new disturbance approaching our islands, so that the weather will probably become dry again in all districts, and tonight is likely to be very cold inland.

## FORECASTS

For the 24 hours ending at NOON on 31<sup>st</sup> May 1893.

### DISTRICTS.

### FORECASTS.

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

N<sup>W</sup> winds, fresh or strong; squally, but probably dry. Cold.  
 N<sup>W</sup> winds, cloudy, cold, some slight rain.  
 NE<sup>W</sup> winds, moderate; fair, cold.

### DISTRICTS.

### FORECASTS.

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

N<sup>W</sup> and NE<sup>W</sup> winds, light or moderate; fair, very cold tonight.  
 Same as No 5  
 Same as Nos 6 and 7.  
 None issued.

### WARNINGS

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.84	53	45	NNW	3	b	4	Valencia ...	30.17	66	61	NNW	1	cm	b	1
Sumburgh Head ...	30.15	49	43	N	3	c	4	Scilly ...	30.10	61	59	NNE	3	b	b	3
Stornoway ...	30.23	51	48	NE	4	c	4	Jersey ...	30.05	66	57	WNW	3	b	b	3
Aberdeen ...	30.19	49	43	NNE	3	c	4	Hurst Castle ...	30.05	63	60	WN	2	c	c	1
Shields ...	30.16	50	47	NNE	3	b	3	Dungeness ...	30.03	58	58	WNW	3	c	c	2
Ardrossan ...	30.15	50	50	NE	3	b	1	North Foreland ...	30.03	61	58	ESE	2	c	c	1
Malin Head ...	30.16	50	56	NNW	2	c	1	London ...	30.02	68	59	WN	2	c	c	*
Mullaghmore ...								Yarmouth ...	30.07	57	55	NE	3	c	b	*
Belmullet ...	30.13	53	56	N	3	b	1	Rocheport ...	29.99	59	57	NNE	3	c	b	*
Holyhead ...	30.13	50	53	NNW	1	b	1									

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

Weather dull over the northern parts of the United Kingdom, with rain in the northeast of England and also at Louth, Tine and bright in the extreme south of our Islands, as well as in France, Italy, Algeria, the north of Scandinavia, and the central part of Russia. Dull over Ireland, the Baltic, Denmark, Germany, and the south of Russia, with rain over the Gulf of Finland, as well as at Munster and Lemburg. Rain falling later in many parts of England and also over Central Ireland; thunder and lightning occurred in London.

Temperature fallen considerably over the northern parts of Great Britain, changed little and irregularly elsewhere. Morning readings highest 71° at Barcelona, 70° at Trieste, Oran, Algiers, and Tunis, and 69° at Sfax; above 60° in most parts of southern Europe, as well as at some of the English Channel stations, and over the central and southern parts of Russia. Lowest, 41° at Bodo, 44° at Archangel and Chikassund, and 45° at Stockholm and Lumburgh Hk; below 50° in the north and east of Scotland generally. Subsequently rising to between 65° and 72° over France and the inland parts of England, but remaining below 50° in the extreme north of Scotland.

Wind light or moderate from the NE<sup>th</sup> in Scotland and from the N<sup>th</sup> or NW<sup>th</sup> over the greater part of Ireland and England, but rather variable on our extreme southern coasts. Strong from the NW<sup>th</sup> on the eastern shores of the North Sea, with a gale at Skudesnaes. Moderate from the W<sup>th</sup> over Germany; S<sup>th</sup> in the south of Sweden; E<sup>th</sup> in Ireland and the north of Sweden; E<sup>th</sup> or NE<sup>th</sup> in France; variable in the north of Italy; N<sup>th</sup> or NW<sup>th</sup> in the south of that country; S<sup>th</sup> in the south of Russia.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying to the westward of our Islands, 30.0 ins. and upwards in another system lying over the central parts of Russia. Lowest 29.7 ins. and less, in a well-marked depression lying over the south of Sweden, 29.8 ins. and less, in a large shallow area extending northwards from the Black Sea to the Baltic Provinces. Small and very shallow disturbances forming later over the southeast of England.

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

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

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

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, 31<sup>st</sup> May, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.	Shade Temp.			Wind.		Weather.	Sea (6 to 9).	Weather.	Shade Temp.		Amount of Rainfall.			
				Force (0 to 12).	Dir.			Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).				Max.	Min.				
Reading at 3 <sup>30</sup> P. and Sea Level.		Dry Bulb.	Dir.	Force (0 to 12).	Reading at 3 <sup>30</sup> P. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Sea (6 to 9).	Weather.	Max.	Min.					
Inch.		°			Inch.	°	°	°									Inch.				
SCANDINAVIA.	Haparanda ...	29.79	37	?	6	T	29.79	+0.2	38	87	+ 2	ENE	4	0	#	T	39	30	0.28		
	Hernösand ...	29.76	40	NE	6	T	29.81	+1.8	40	89	- 7	N	4	†	#	T	50	36	0.28		
	Stockholm ...	29.62	42	NE	2	T	29.66	+0.7	43	41	- 3	NW	2	0	#	T	48	39	0.24		
	Wisby ...	29.59	48	SSW	6	C	29.69	+1.1	49	47	- 3	SW	4	0	#	C	87	48	0.08		
	Bodö ...	29.93	44	N	4	b	29.90	-0.7	45	40	+ 1	WNW	1	0	†	†	46	30			
	Christiansund...	30.00	44	NNE	5	0	29.97	-0.5	44	40	+ 2	N	4	0	3	0	46	41			
	Skudesnaes ...	29.78	46	NW	8	0	29.81	-0.3	51	46	+ 4	WNW	4	0	2	0	51	43			
	Christiania Fjord (Fjorder)	29.70	45	NW	5	0	29.73	+0.5	45	42	+ 5	WNW	6	0	2	0	45	40	0.20		
	Skagen (The Scaw)	29.66	45	N	3	T	29.69	+0.7	45	44	+ 2	NNE	4	0	2	T	46	43	0.12		
	Faro ...	29.77	44	NW	4	C	29.72	-0.5	47	44	- 1	NW	4	0	#	C	55	44	0.08		
BRITISH ISLANDS.	Sumburgh Head	30.04	45	N	2	C	30.01	-1.0	45	41	+ 2	N	1	0	3	C	48	38			
	Stornoway ...	30.19	50	NE	4	b	30.11	-1.1	49	49	+ 2	NE	4	†	4	C, b	51	44	0.02		
	Wick ...	30.10	45	N	5	b	30.05	-1.1	42	40	- 3	N	2	0	2	0	52	41	0.03		
	Nairn ...	30.13	52	ESE	1	C	30.07	-1.2	49	49	+ 1	2	0	0	1	C	53	44	0.10		
	Aberdeen ...	30.10	49	WNW	3	b	30.05	-1.0	49	46	+ 2	N	3	0	4	C, g, p	51	41	0.06		
	Leith ...	30.12	51	ESE	1	C	30.07	-0.9	52	47	+ 4	N	1	0	#	C	54	43			
	Shields ...	30.10	48	N	3	b	30.05	-0.9	49	44	+ 1	N	4	0	4	C, b, r	51	40	0.03		
	Spurn Head ...	30.06	49	N	5	b	29.99	-1.0	48	48	0	WNW	5	0	5	b	52	43			
	York ...	30.11	51	N	3	b	30.04	-1.0	47	43	+ 1	N	3	0	#	b	52	40			
	Loughborough	30.10	52	N	2	0	30.06	-0.9	49	44	+ 2	WNW	2	0	4	0	56	36			
GERMANY & HOLLAND.	Ardrossan ...	30.09	57	WNW	2	b	30.09	-0.7	53	48	+ 1	WNW	2	0	1	b	58	42			
	Malin Head ...	30.15	51	N	4	b	30.14	-0.3	52	49	0	N	5	0	8	b	58	48			
	Mullaghmore ...	30.20	53	NNE	5	b	30.18	-0.1	52	50	- 3	NNE	4	0	#	b, b	60	48			
	Belmullet ...	30.13	55	WNW	3	b	30.12	-0.6	54	50	+ 4	WNW	3	0	1	b	57	49			
	Donaghadee ...	30.13	55	WNW	3	b	30.12	-0.6	54	50	+ 4	WNW	3	0	1	b	57	49			
	Liverpool (Bidston)	30.10	58	NNE	2	C	30.06	-0.9	52	46	+ 6	NNE	2	0	2	C	57	46	0.15		
	Holyhead ...	30.11	52	NE	3	b	30.08	-0.5	52	49	+ 2	N	2	0	1	b	54	49			
	Parsonstown ...	30.11	63	2	0	C	30.14	-0.2	51	47	- 5	NW	1	0	#	b, c	63	39			
	Valencia ...	30.13	62	S	1	cm	30.14	+0.2	58	55	- 2	ESE	2	0	2	b, cm	66	48			
	Roche's Point	30.13	57	ESE	3	b	30.13	+0.2	55	52	- 2	N	2	0	2	m, b	60	46			
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.06	54	N	3	b	30.07	-0.1	56	51	0	NNE	2	0	1	b	62	48			
	Scilly ...	30.03	59	ESE	3	C	30.03	0.0	57	54	0	N	3	0	2	C	63	52			
	Prawle Point ...	30.05	53	ESE	2	b	30.06	0.0	53	52	- 2	ESE	1	0	0	g, b, cm	55	50			
	Jersey (St. Aubin's)	30.02	60	ESE	4	bm	30.05	+0.2	58	53	- 4	E	4	0	3	C, b, m	65	51			
	Hurst Castle ...	30.05	57	ESE	2	C	30.05	-0.2	55	50	+ 3	E	2	0	1	cm, c	64	49			
	Dungeness ...	30.03	53	E	2	C	30.01	-0.3	51	45	- 1	N	4	0	3	C	55	40			
	North Foreland	30.06	51	NE	3	0	30.01	-0.5	50	45	0	N	6	0	4	C, b	54	45			
	London ...	30.06	54	NE	1	0	30.05	-0.5	48	44	- 1	NW	2	0	#	C, b	56	39			
	Oxford ...	30.08	51	NNE	1	0	30.06	-0.6	47	44	- 1	NNE	1	0	#	0	55	38			
	Cambridge ...	30.08	52	WNW	4	C	30.05	-0.7	49	45	0	WNW	1	0	#	C	59	39			
PENINSULA.	Yarmouth ...	30.05	51	N	3	C	29.96	-1.1	49	45	- 2	WNW	4	0	4	b, c	54	41	0.02		
	Cuxhaven ...	29.88	53	N	3	0	29.87	-0.5	51	44	+ 1	N	3	0	#	0	57	46			
	Berlin ...	29.91	55	W	2	C	29.91	-0.5	51	46	- 6	WNW	2	0	#	#	59	50	0.63		
	Wiesbaden ...	29.92	55	SW	2	C	29.86	-1.5	50	50	- 9	SW	4	0	#	C	68	50	0.12		
	Munich ...	29.92	55	SW	2	C	29.86	-1.5	50	50	- 9	SW	4	0	#	C	68	50	0.12		
	The Helder ...	30.00	50	WNW	4	0	29.95	-1.1	49	44	- 1	WNW	3	0	3	C	52	46			
	Brussels (9 a.m.)	?	?	?	?	?	29.97	-0.7	49	44	+ 1	WNW	3	0	#	0	58	43	0.04		
	Cape Gris Nez	30.01	51	NE	4	0	29.98	-0.4	47	?	- 4	N	4	0	4	0	59	46			
	Paris ...	29.98	60	NE	3	C	30.02	+0.2	50	45	- 10	NNE	2	0	#	C	68	42			
	Brest ...	?	69	NE	2	b	?	?	53	50	- 4	E	1	0	0	b	72	46			
FRANCE AND BELGIUM.	Lorient ...	29.95	68	N	3	C	29.98	-0.2	56	54	- 2	E	5	0	2	C	75	54			
	Rochefort ...	29.88	67	WNW	4	b	29.93	-0.2	59	57	- 1	E	3	0	#	b	82	57	0.04		
	Belfort ...	?	65	WNW	1	C	?	?	54	50	- 10	N	4	0	#	C	75	41	0.12		
	Lyons ...	29.88	70	ESE	1	b	29.93	-0.5	57	54	- 4	WNW	1	0	#	b, r	77	53			
	Nice ...	29.92	61	SE	2	C	29.86	-0.8	60	56	- 2	E	1	0	#	C	68	55			
	Perpignan ...	29.89	69	SW	2	0	29.89	-0.6	68	63	+ 3	2	0	0	#	0	75	55			
	Biarritz ...	29.97	63	N	5	0	29.92	-0.0	61	58	- 2	SW	3	0	1	0	66	59			
	Corunna ...	30.07	62	W	3	b	30.01	-0.6	65	60	+ 2	SSW	3	0	#	b	70	59	0.04		
	Lisbon ...	30.07	62	W	3	b	30.01	-0.6	65	60	+ 2	SSW	3	0	#	b	70	59	0.04		

For Explanation of Columns, see bottom of last page.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday, 31<sup>st</sup> May, 1893.

## BAROMETER, WIND AND SEA.

### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

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

— Rough. — High

## MEAN HEIGHT OF THE BAROMETER

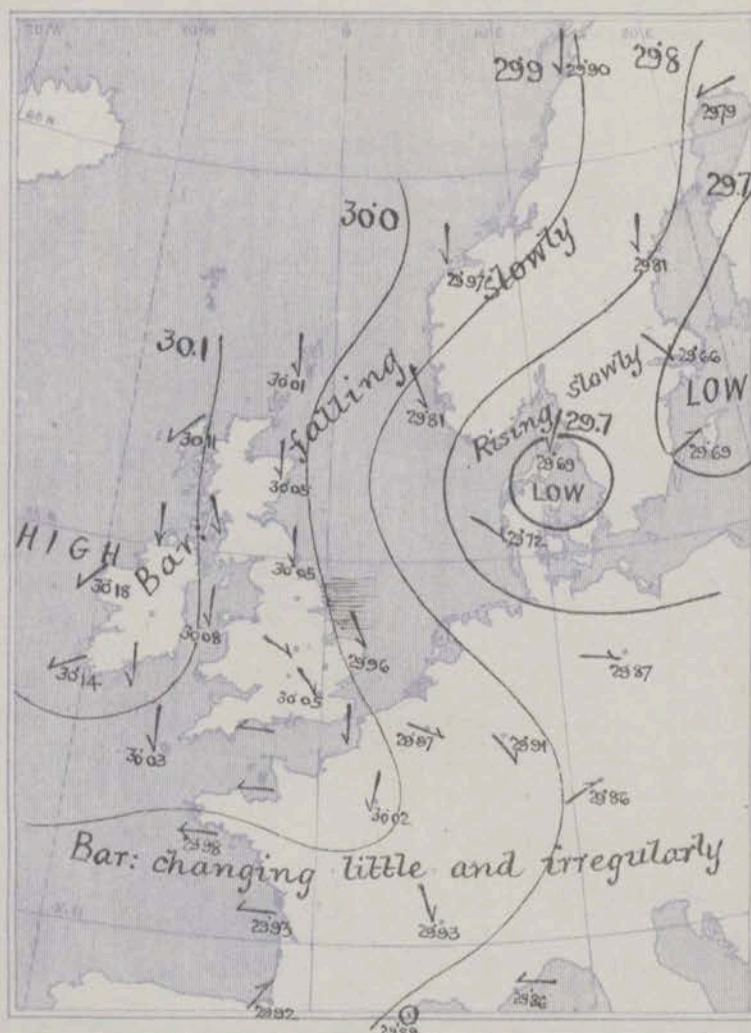
at 8.0 a.m. for the month of May

During the 20 Years 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sandburgh Head	29.879
Stormway	29.880
Wick	29.901
Nairn	29.908
Aberdeen	29.918
Leith	29.932
Shields	29.943
South Head	29.956
York	29.962
Loughborough	29.973
Ardrrossan	29.985
Mullaghmore	29.929
Dunaghadge	29.947
Holyhead	29.956
Liverpool	29.961
Parsonstown	29.958
Valencia	29.963
Roche's Point	29.959
Pembroke	29.961
Scilly	29.974
Praske Point	29.992
Jersey	29.989
Hurst Castle	29.982
Dover	29.970
LONDON	29.981
Oxford	29.981
Cambridge	29.976
Yarmouth	29.967



## 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.

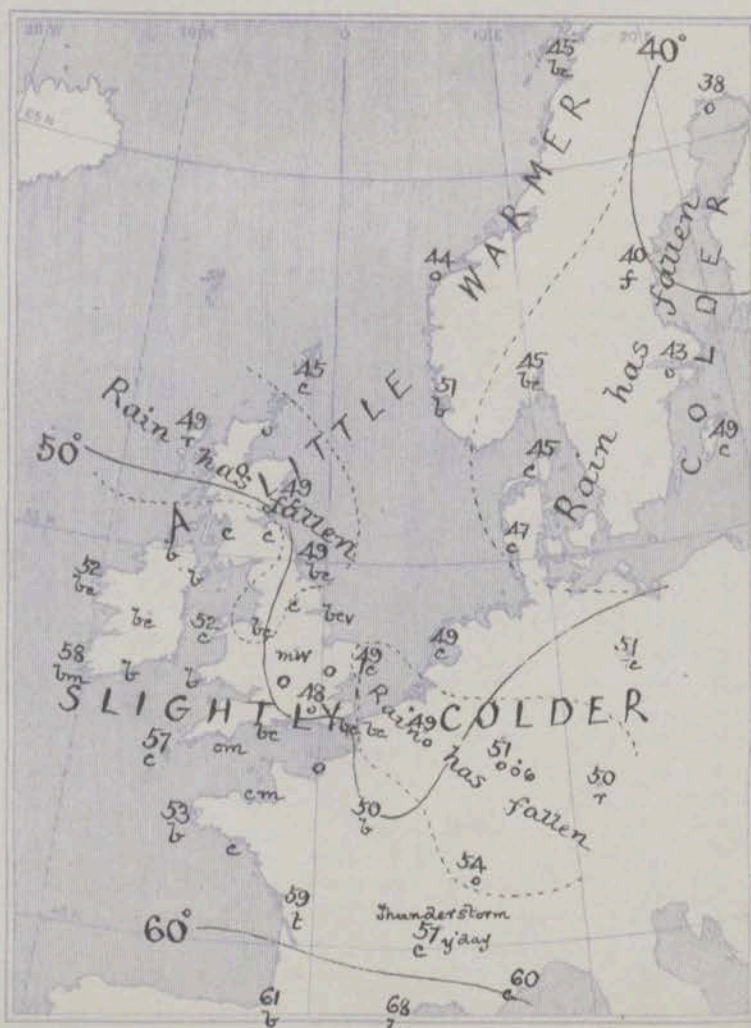
**WEATHER** is shown by Letters of the Beaufort Scale.

**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 May.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Day	Night	
Sandburgh Head	50.3	40.2	46.1	44.0	1.72
Stormway	53.3	41.1	48.0	40.4	2.01
Wick	53.9	40.0	48.1	45.0	1.09
Nairn	56.0	42.2	48.6	45.4	1.01
Aberdeen	55.0	41.9	48.9	43.4	1.99
Leith	57.8	42.4	50.1	46.7	1.67
Shields	54.4	42.9	49.0	46.0	1.09
South Head	54.3	45.1	49.3	47.2	1.57
York	59.6	42.2	49.8	46.7	1.85
Loughborough	61.7	42.6	51.1	47.7	2.09
Ardrrossan	56.5	43.9	49.5	46.7	2.34
Mullaghmore	56.7	46.3	50.2	47.4	2.42
Dunaghadge	56.0	44.2	49.6	47.5	2.26
Holyhead	56.2	46.2	50.3	48.0	1.00
Liverpool	58.0	45.0	50.8	46.9	1.84
Parsonstown	59.5	42.7	51.0	47.8	2.24
Valencia	58.1	40.3	52.8	49.7	3.29
Roche's Point	58.9	46.2	51.7	48.8	3.14
Pembroke	55.0	45.9	49.9	47.7	2.03
Scilly	56.3	48.2	52.7	50.3	1.73
Praske Point	56.0	45.3	51.4	49.4	1.56
Jersey	59.4	47.2	53.0	50.5	1.87
Hurst Castle	58.6	45.7	51.6	49.0	1.77
Dover	57.0	49.7	52.5	49.3	1.79
LONDON	62.3	44.4	52.5	48.3	1.80
Oxford	60.0	43.4	50.6	47.5	1.93
Cambridge	62.9	42.0	51.7	48.5	1.90
Yarmouth	55.4	41.9	50.0	48.1	1.86

**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 ins; and more to 30.0 ins: in the eastern part of an anticyclone spreading in from the Atlantic over the British Islands and the north of France; 30.0 ins: over the south of Spain.

Lowest, 29.7 ins: and less, over the Gulf of Finland and also over the Kattegat and Denmark.

Gradients moderate, for N<sup>th</sup> winds over Norway and the North Sea.

Barometer rising over Sweden and the south of Norway, falling a little elsewhere.

## TEMPERATURE

Highest, 60° to 68° over the southern parts of France, and 65° at Lisbon.

Lowest, 38° to 40° over the north of Sweden, 42° at Wick, 47° to 48° over the northeastern and eastern part of Great Britain.

It fell very decidedly at many of our stations during the night and frost occurred on the fens at our inland stations early this morning.

## WIND

N<sup>th</sup> over nearly the whole of our Islands and Norway and moderate to fresh in force at the more eastern stations, light in the west.

Over the Channel it is light from between N. and E., over the Bay of Biscay still more E<sup>ly</sup>, but at Lisbon and Biarritz SW<sup>ly</sup> and over Germany W<sup>ly</sup>.

## WEATHER

Fair (fine and bright to cloudy) all over our Islands and the neighbourhood; dull over western Germany, rainy at Munich.

A good deal of rain has fallen over Germany, the Baltic and Sweden, and a small quantity in Scotland, at Aberdeen and Yarmouth. Thunder and lightning have occurred at Lyons.

## SEA

Moderate on our northeast and east coasts, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change.

## FORECASTS

For the 24 hours ending at NOON on 1<sup>st</sup> JUNE, 1893.

### 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> and NW<sup>th</sup> breezes, moderate; fair.

N<sup>th</sup> and NW<sup>th</sup> breezes, light; fine, Very cold again tonight.

### DISTRICTS.

### FORECASTS.

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

Same as Nos 0 to 2.

NE<sup>th</sup> breezes, moderate; fine, cold tonight.

N<sup>th</sup> and NE<sup>th</sup> breezes, light; fine, hazy in places.

### WARNINGS

None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.81	49	43	NNW	9	b	4	Valencia ...	30.12	64	60	NE	4	bcm	4
Sumburgh Head ...	30.08	47	43	N	2	c	4	Scilly ...	30.03	62	59	E	4	c	2
Stornoway ...	30.21	48	45	NE	4	c	4	Jersey ...	30.04	62	58	NE	4	c	3
Aberdeen ...	30.14	48	42	N	4	cq	4	Hurst Castle ...	30.07	60	55	ESE	2	cm	1
Shields ...	30.13	51	47	N	3	c	3	Dungeness ...	30.05	56	50	ESE	2	c	2
Ardrossan ...	30.12	55	52	WSE	2	b	1	North Foreland ...	30.06	52	48	NE	4	c	3
Malin Head ...	30.18	53	48	N	4	bc	2	London (Greenwich) ...	30.09	56	50	NNE	1	o	#
Mullaghmore ...								Yarmouth ...	30.07	52	48	N	3	bc	3
Belmullet ...	30.19	60	56	NE	5	bc	#	Rochefort ...	29.93	73	67	N	3	b	#
Holyhead ...	30.14	53	47	NE	4	b	3								

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

Weather fair or fine over the greater part of the United Kingdom, but dull in places, with showers at Spurn Head. Fine and bright in France and Italy, but cloudy or overcast in most other parts of the Continent, with rain at several of the Scandinavian stations. Showers falling during day in Scotland and the north of Ireland, as well as at some of the French stations, and heavy rain at Mierbaden. Thunder and lightning occurring at Lyons.

Temperature fallen over England and Ireland and also on the eastern shores of the North Sea, risen or changed irregularly elsewhere. Morning readings highest 74° at La Calle, 73° at Brindisi, 72° at Algiers, and 69° at Cagliari and Nemours; above 60° in most parts of southern Europe and also over Central Russia. Lowest 36° at Kapavanda, 40° at Tander, 42° at Uleaborg and Christiansund, and 43° at Skagen and Sumburgh Hd. Rising during day to between 60° and 66° at most of our western stations, but remaining below 55° in the north and east of Great Britain. Exceeding 70° in most parts of France and reaching 77° at Lyons.

Wind moderate from the N<sup>nd</sup> in the north and east of our Islands, but NE<sup>ly</sup> or E<sup>ly</sup> in the west and south and also over the greater part of France. Strong to a gale from the NE<sup>nd</sup> over the northern parts of Sweden and from the NW<sup>nd</sup> in Denmark and the south of Norway; W<sup>ly</sup> in Germany and Austria; S<sup>ly</sup> at most of the Russian stations. Variable in Spain, Italy, and Algeria. No important change occurring over Western Europe during day.

Barometer highest 30.2 ins. and upwards, in an anticyclone lying off our extreme northwest coasts, 30.1 ins. and upwards in another system lying over Morocco and the extreme south of Spain. Lowest 29.6 ins. in two well marked depressions, one lying over Finland and the other over the south of Sweden; gradients rather steep over Scandinavia and Denmark. Swedish depression partially filling up later; no important change occurring over our Islands 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.

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# ADDITIONS AND CORRECTIONS TO THE

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS			
DATE.	STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).				Max.	Min.		
2	Corunna.....	*	*	*	*	*	30.08	-	61	50	-	SW	1	0	3	*	68	52	-	
3	Belfast.....	?	68	W	1	C	?	?	57	-	?	W	3	0	8	C	75	43	-	
"	Corunna.....	*	*	*	*	*	30.13	+0.05	60	55	- 1	SSE	3	6	2	*	61	45	-	
4	Corunna.....	*	*	*	*	*	30.10	-0.03	62	58	+ 2	NW	1	6	2	*	70	52	-	
5	Corunna.....	*	*	*	*	*	29.99	-1.1	69	64	+ 7	SSE	2	C	2	*	70	52	-	
9	Corunna.....	*	*	*	*	*	29.88	?	60	53	?	E	6	0	3	*	63	54	0.16	
10	Corunna.....	*	*	*	*	*	29.98	+1.0	61	55	+ 1	NNE	7	6	4	*	66	50	-	
11	Skagen.....	30.26	50	ESE	2	6	30.35	-1.0	52	49	- 1	SSE	2	60	0	6	61	46	-	
"	Corunna.....	*	*	*	*	*	30.12	+1.4	61	55	0	NE	5	6	3	*	66	48	-	
12	Corunna.....	*	*	*	*	*	30.06	-0.6	69	57	+ 8	NE	1	6	2	*	69	52	-	
13	Corunna.....	*	*	*	*	*	29.85	-2.1	66	59	- 3	E	3	0	3	*	75	54	-	
15	Corunna.....	*	*	*	*	*	29.88	+1.0	67	59	+ 5	S	6	60	1	*	73	54	0.16	
17	Corunna.....	*	*	*	*	*	29.55	?	64	56	?	SSW	7	C	2	*	66	55	0.35	
18.	The Helder.....	29.63	59	ESE	2	6	29.71	-0.5	57	-	0	SSW	4	m	3	6	64	55	0.08	
"	Corunna.....	*	*	*	*	*	29.72	+1.7	64	56	0	SSW	7	C	3	*	68	50	0.12	
19	Lyon.....	29.92	62	SSW	1	0	29.94	+1.3	53	-	- 10	SSW	1	0	*	0	69	49	0.08	
"	Corunna.....	*	*	*	*	*	29.95	+2.3	63	57	- 1	W	0	0	3	*	68	55	0.08	
20	Corunna.....	*	*	*	*	*	29.93	-0.2	58	55	- 5	SSW	5	0	4	*	64	52	0.08	
22	Corunna.....	*	*	*	*	*	30.17	?	59	52	?	NW	4	C	5	*	63	48	0.04	
23	Corunna.....	*	*	*	*	*	30.21	+0.4	62	59	+ 3	NW	4	0	3	*	63	55	-	
24	Belfast.....	?	68	W	2	0	?	?	60	?	0	W	3	0	*	0	79	54	0.08	
"	Corunna.....	*	*	*	*	*	30.15	-0.6	62	58	0	NNE	4	6	3	*	63	52	-	
25	Corunna.....	*	*	*	*	*	30.11	-0.4	63	55	+ 1	NE	6	6	4	*	66	50	-	
26	Lyon.....	30.13	62	NNE	1	C	30.17	+0.4	60	-	+ 3	N	2	6	*	C	66	52	-	
27	Corunna.....	*	*	*	*	*	29.97	?	70	62	?	NE	3	6	0	*	75	54	-	
29	Corunna.....	*	*	*	*	*	29.90	?	66	62	?	E	2	m	1	*	81	57	-	
30	Corunna.....	*	*	*	*	*	29.97	+0.7	67	62	+ 1	NE	3	0	0	*	68	57	-	
31	Corunna.....	*	*	*	*	*	29.94	-0.3	65	60	- 2	NE	1	0	0	*	68	65	0.12	



## 2. CORRECTIONS.

[illegible]