

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1893.

28.4 94

See High Land.

DAILY WEATHER REPORT.

January to June 1893.



DAILY WEATHER REPORT

for 8 a.m. on Saturday, 1st April, 1893

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.	Wet 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 ...	29.85	16	S	2	bc	29.66	- 2.2	26	26	+ 8	SW	4	5	#	bc	28	10	-	
	Hernösand ...	29.79	31	SE	2	o	29.73	- 2.1	35	33	+ 8	S	4	0	#	o	35	16	-	
	Stockholm ...	29.97	33	S	2	o	29.97	+ 0.3	35	33	+ 1	S	2	bc	#	o	39	27	-	
	Wisby ...	30.02	32	S	4	b	30.05	+ 0.6	36	35	+ 0	S	4	b	#	b	45	25	-	
	Bodö ...	29.55	38	E	4	o	29.38	- 3.2	39	37	+ 9	SW	5	7	3	o	39	26	-	
	Christiansund...	29.52	46	SE	2	c	29.56	- 1.0	44	41	+ 4	SSW	5	0	4	c	48	48	0.12	
	Skudesnaes ...	29.73	41	S	7	c	29.80	+ 0.4	42	41	+ 3	SSW	4	7	4	c	43	37	-	
	Christiania Fjord (Færdor)	29.86	38	W	0	o	29.88	+ 0.1	37	37	+ 1	SSW	4	f	3	o	41	36	-	
	Skagen (The Scaw)	29.88	38	S	1	f	29.90	+ 1.5	39	39	+ 1	SW	2	m	1	f	41	36	-	
	Fanö ...	29.86	40	WSW	2	b	29.95	+ 1.2	40	39	- 1	SW	2	b	#	b	54	37	-	
BRITISH ISLANDS.	Sumburgh Head	29.42	45	WSW	3	o	29.65	+ 1.8	44	42	- 1	WSW	3	b	4	o	50	37	0.02	
	Stornoway ...	29.43	47	SW	4	o	29.74	+ 3.6	40	40	- 7	W	4	c	4	o	49	39	0.04	
	Wick ...	29.53	48	W	2	c	29.75	+ 2.4	42	40	- 4	WSW	2	bc	1	c	51	39	0.03	
	Nairn ...	29.53	46	SW	2	7	29.79	+ 2.8	44	41	- 5	WSW	1	b	1	7	59	44	0.02	
	Aberdeen ...	29.54	52	SW	4	oggy	29.84	+ 2.6	45	40	- 1	SW	1	c	2	oggy	53	43	-	
	Leith ...	29.58	51	S	8	c	29.88	+ 2.5	46	43	- 2	WSW	1	om	#	c	57	42	0.03	
	Shields ...	29.67	56	SW	4	c	29.89	+ 1.9	47	44	- 1	WSW	2	c	2	c	58	43	-	
	Spurn Head ...	29.73	52	SSW	3	bc	29.91	+ 1.3	46	45	- 3	W	2	bc	2	bc	62	40	-	
	York ...	29.73	57	W	1	c	29.92	+ 1.5	45	43	- 1	NE	1	o	#	c	62	43	0.01	
	Loughborough	29.77	60	SW	3	c	29.94	+ 1.1	44	42	- 7	W	0	cm	#	c	67	37	-	
GERMANY & HOLLAND.	Ardrossan ...	29.62	46	WSW	3	7	29.90	+ 2.9	45	43	- 1	SW	2	o	2	o, 7	48	42	0.23	
	Malin Head ...	29.60	45	WSW	4	up	29.89	+ 3.8	44	41	- 4	SW	4	bc	3	op	51	41	0.12	
	Mullaghmore ...	29.67	47	W	2	o	29.96	+ 4.3	48	43	+ 1	WSW	2	bc	#	o	48	44	0.08	
	Belmullet ...	29.66	47	WSW	4	7	29.95	+ 2.9	44	43	- 2	W	3	o	2	7	53	42	0.15	
	Liverpool (Bilston)	29.75	54	WSW	2	c	29.97	+ 2.0	46	45	- 1	W	1	o	2	c	62	44	0.02	
	Holyhead ...	29.72	48	SSW	4	cg	29.98	+ 2.1	45	45	- 2	WSW	1	og	1	cg	53	44	0.01	
	Parsonstown ...	29.70	46	2	o	o	29.98	+ 3.0	41	40	- 7	W	0	o	#	o, 7	55	40	0.04	
	Valencia ...	29.76	49	WSW	3	om	30.04	+ 3.9	44	42	- 7	W	0	om	4	om	57	42	0.21	
	Roche's Point	29.72	48	W	4	p	30.01	+ 3.0	46	44	- 4	WSW	3	c	3	d	53	44	0.01	
	Pembroke (St. Ann's Hd.)	29.75	49	SSW	3	c	29.96	+ 1.7	46	45	- 2	W	2	og	3	c	57	45	0.06	
FRANCE AND BELGIUM.	Scilly ...	29.79	52	SSW	4	c	29.89	+ 0.7	48	47	- 3	N	5	7	4	c	58	46	0.05	
	Prawle Point ...	29.80	51	SSW	3	bc	29.94	+ 0.8	49	49	- 3	NNE	1	bc	0	m, bc	55	44	-	
	Jersey (St. Aubin's)	29.85	60	E	1	bm	29.93	- 0.2	54	49	+ 2	SE	1	bm	1	bm	64	40	-	
	Hurst Castle ...	29.85	52	S	2	bc	29.94	+ 0.6	50	47	+ 5	E	3	m	1	bc	59	40	-	
	Dungeness ...	29.86	54	SW	3	bc	29.95	+ 0.7	53	47	+ 5	W	0	m	0	bc	56	34	-	
	North Foreland	29.84	56	SW	2	b	29.94	+ 1.0	52	45	+ 1	S	1	b	2	b	60	44	-	
	London ...	29.84	58	SSW	2	b	29.95	+ 0.7	48	44	- 2	W	0	bc	#	bc, b, f	68	35	-	
	Oxford ...	29.84	52	SW	2	b	29.95	+ 0.8	48	43	+ 4	W	0	bc	#	b	65	37	-	
	Cambridge ...	29.81	59	S	2	bc	29.96	+ 0.9	48	42	+ 1	SSW	1	b	#	bc	69	34	-	
	Yarmouth ...	29.81	52	S	3	b	29.94	+ 0.9	50	45	+ 3	W	0	b	2	b	60	42	-	
PENINSULA.	Cuxhaven ...	29.83	48	W	1	m	30.02	+ 1.2	42	40	- 0	SSW	1	m	#	m	54	41	-	
	Berlin ...	29.94	45	SE	1	b	30.06	+ 1.1	42	39	+ 6	SE	1	b	#	b	54	36	-	
	Wiesbaden ...	#	#	#	#	#	30.03	+ 0.8	41	37	+ 2	SE	2	b	#	#	61	34	-	
	Munich ...	29.94	45	NE	2	b	30.02	+ 0.6	39	37	+ 3	W	1	b	#	b	57	32	-	
	The Helder ...	29.94	44	S	1	b	30.02	+ 1.2	40	38	- 6	S	1	b	1	b	52	36	-	
	Brussels (8 a.m.)	#	#	#	#	#	29.97	+ 0.4	54	46	+ 8	SSW	1	b	#	c	63	45	-	
	Cape Gris Nez	29.85	53	W	0	b	29.93	+ 0.6	53	46	+ 9	W	0	m	0	b	57	43	-	
	Paris ...	29.87	61	NNE	1	b	29.95	+ 0.2	41	37	+ 4	NNE	2	b	#	b	69	35	-	
	Brest ...	?	54	S	2	b	?	?	45	43	- 2	N	1	b	2	b	63	39	-	
	Lorient ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-	
FRANCE AND BELGIUM.	Rochefort ...	29.86	57	WSW	3	b	29.90	+ 0.7	50	48	+ 4	SSW	1	c	#	b	?	45	-	
	Belfort ...	?	49	E	3	b	?	?	46	44	+ 8	N	1	b	#	b	65	30	-	
	Lyons ...	29.88	55	S	2	o	29.99	+ 0.0	47	44	+ 7	W	1	b	#	o	64	42	-	
	Nice ...	29.88	54	NW	1	c	29.91	+ 0.0	53	46	+ 7	E	1	b	1	c	61	46	-	
	Perpignan ...	29.91	53	E	2	o	29.95	+ 0.9	47	47	- 2	WSW	1	b	#	o	57	43	-	
PENINSULA.	Biarritz ...	29.80	65	ESE	4	b	29.87	+ 0.5	51	47	+ 5	SE	2	b	1	b	70	46	-	
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-	
PENINSULA.	Lisbon ...	29.91	58	NW	2	o	29.89	+ 0.1	59	57	- 0	ESE	3	o	#	o	66	57	-	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 1st April, 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 6 to 7; — forces 4 to 6;

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

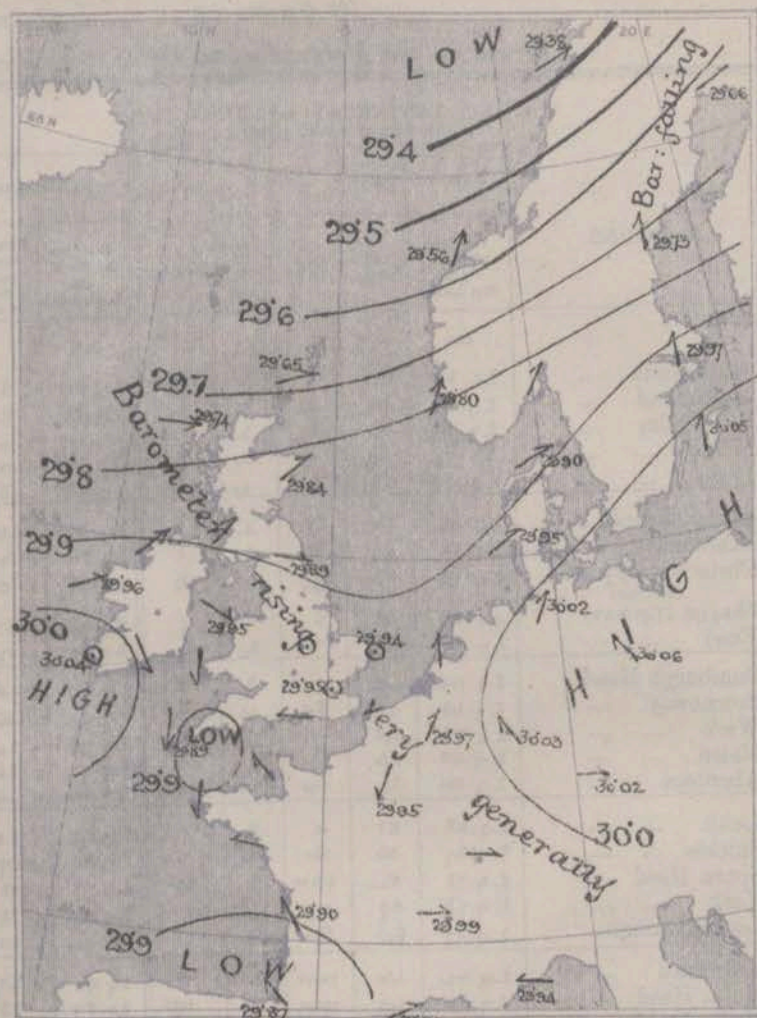
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER.

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

During the 30 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.867
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.867
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Scilly	29.850
Prawle Point	29.878
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	46.0	36.7	41.7	40.2	3.07
Stornoway.....	45.9	37.2	43.8	42.3	2.65
Wick.....	48.0	36.9	43.1	41.2	1.68
Nairn.....	50.9	37.3	42.7	40.4	1.26
Aberdeen.....	49.3	38.6	43.2	40.7	2.16
Leith.....	52.0	37.9	44.1	41.7	1.87
Shields.....	49.0	38.6	43.6	41.4	1.89
Spurn Head.....	48.4	40.8	44.0	42.3	1.45
York.....	53.5	37.7	43.8	41.6	1.75
Loughborough.....	55.1	38.1	44.4	42.1	1.78
Ardrossan.....	51.5	39.5	44.4	42.1	2.14
Mullaghmore.....	51.9	42.3	45.3	43.0	2.05
Donaghadee.....	51.0	40.0	44.6	42.9	1.92
Holyhead.....	51.4	42.0	45.8	43.8	1.90
Liverpool.....	52.6	40.4	45.0	42.1	1.55
Parsonstown.....	54.6	38.0	45.0	42.5	2.04
Valencia.....	53.9	42.8	48.2	46.6	3.83
Roche's Point.....	53.7	42.1	46.8	44.5	3.24
Pembroke.....	50.4	41.9	45.2	43.4	1.94
Scilly.....	52.1	44.7	48.6	46.0	2.27
Prawle Point.....	51.9	46.7	46.2	44.6	2.07
Jersey.....	54.2	43.5	48.5	46.9	2.08
Hurst Castle.....	52.1	41.0	45.6	44.2	1.83
Dover.....	51.1	41.6	46.3	44.0	1.77
LONDON.....	53.0	39.7	46.1	43.2	1.84
Oxford.....	54.0	38.9	44.4	42.1	1.78
Cambridge.....	55.6	37.8	45.2	43.0	1.69
Yarmouth.....	49.1	39.0	44.2	43.0	1.70

NOTE.—The Temperature means are for the 30 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and upwards, in an anticyclone lying over Germany and also in another system which has appeared over the south of Ireland.
Lowest, 29.4 ins: and less, in a depression lying off the northwest of Norway.

Gradients slight. Barometer rising in most parts of Western Europe, but falling in the northern parts of Scandinavia.

TEMPERATURE

Highest, 54° at Jersey, 53° at Birmmgham and Newcastle, 52° at the North Foreland, 51° at Birmmgham, and 50° at Yarmouth and Rochfort.
Lowest, 33° at Bergen and Munich, 40° at Farsø and the Hilder, and 41° at Copenhagen, Wiesbaden, and Paris.

Rising yesterday the thermometer over the inland parts of England rose to between 65° and 68°.

WIND

Light to moderate from the Wnd or SWnd over the northern parts of the United Kingdom, and from the SWnd or Snd over Scandinavia and Denmark.
N^{ly} or NW^{ly} on our southwest coasts; calm over the central and southeastern parts of England.

Light from the SEnd in Germany and also in the east of France, but variable over the central and southern parts of France.

WEATHER

Fair or fine over the greater part of Western Europe, but dull at several of our coast stations, with rain at Pembroke and Lelly.

Cloudy or overcast in Scandinavia, with rain at Bodo and Skudenavals and snow at Haparanda.

In the course of the past 24 hours rain has fallen at most of our eastern and several of our northern stations, but the amounts have been mostly small. A solar halo was seen at Oxford yesterday.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A small shallow depression is lying over the extreme southwest of England, and the rainy weather in its neighbourhood may possibly spread to the eastward. The indications are, however, not in favour of any serious change in the weather.

FORECASTS

For the 24 hours ending at NOON on 2nd April

1893.

DISTRICTS.

FORECASTS.

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

SW^{ly} and W^{ly} winds, light; fair generally.

Light variable airs; fine at first, doubtful later, probably cloudy and unsettled.

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.

N^{ly} winds, light; some rain at first, then fair.

W^{ly} and NW^{ly} winds, backing later; 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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.74	43	41	SSE	6	0	3	Valencia ...							
Samburgh Head ...	29.41	47	46	S	5	7	5	Scilly ...							
Stornoway ...	29.40	48	47	SW	7	0	6	Jersey ...	29.86	61	53	ESE	1	6	0
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	29.87	55	50	SW	3	bc	2
Ardrossan ...	29.57	48	47	S	3	0	2	North Foreland ...	29.83	60	51	SSW	2	6	2
Malin Head ...	29.54	45	45	WSW	4	0	2	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.60	48	46	N	2	0	2	Rochefort ...	29.87	67	59	E	1	6	*
Holyhead ...	29.51	51	49	SSW	5	0	4								

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

Weather in morning fine and bright over Russia, southeastern and the greater part of western Europe, including England; cloudy or overcast in the north and extreme northwest, as well as at most of the Mediterranean stations. Rain falling over Algeria and the south of Spain, as well as at Stornoway, snow in the south of Russia. Showers later at the Irish and Scotch stations, and much cirrus cloud seen over England; Hails seen at Oxford.

Temperature fallen rapidly over eastern and slightly over central Europe, risen over England and southern Europe. Morning readings 60° or more at Spaa and Algiers, and exceeding 50° over southern Europe generally, as well as in the southwest of Ireland; exceeding 40° ^{all} over the United Kingdom and Channel, much lower in far east. Lowest -5° at Moscow, +7° at Archangel, +8° both at Haparanda and Kharkov, 19° at St. Petersburg and Helmingfors, 21° at Riga. Rising later to between 60° and 69° over England, and to 70° at Biarritz; but to not much above 50° over Ireland.

Wind light and anticyclonic over nearly the whole of Europe; moderate NE² to E⁴ on the northern shores of the Mediterranean, E⁴ over the Bay of Biscay, S² over our Islands (strong in the northwest) S² light over the North Sea and Scandinavia, NW² in the N. of Russia. Falling light on our northwest coast later and shifting from S. to NW. in the south of Ireland, remaining light from the S² over England.

Barometer Highest 30.0 ins. to 29.8 ins. over the whole of Continental Europe and the southern counties of England. Lowest 29.4 ins. and less off the extreme northwest of Scotland, and 29.7 ins. and less in a depression to the southward of Malta. Rising over our Islands later, falling slightly over France, new anticyclone apparently advancing towards the SW. of Ireland from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 2nd April.

1893

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STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TRMP.	WIND.		Weather.	BAROMETR.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.		
				Force (0 to 12).	Dir.		Reading at 52° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).			Max.	Min.			
		Inch.	°				Inch.	°	°	°							°	Inch.		
SCANDINAVIA.	Haparanda ...	29.86	33	W	2	c	29.61	-.05	30	29	+	4	WSW	2	b	#	c	34	9	—
	Hernösand ...	29.80	43	Z	0	c	29.89	+.16	40	36	+	5	S	2	b	#	c	36	27	—
	Stockholm ...	29.98	42	S	2	b	29.99	+.02	36	35	+	1	W	2	o	#	b	48	30	—
	Wisby ...	29.97	39	S	4	b	30.06	+.09	29	28	+	3	SW	4	b	#	b	?	?	—
	Bodö ...	29.41	39	SW	6	b	29.30	-.11	36	35	—	3	SW	6	r	7	b	34	34	0.24
	Christiansund...	29.74	44	SW	8	r	29.70	-.04	39	38	—	5	WSW	9	r	6	r	45	37	0.16
	Skudesnaes ...	30.02	41	Z	0	c	30.04	+.02	41	40	—	1	S	4	b	3	o	49	39	—
	Christiania Fjord (Fjorder)	29.94	37	SSW	4	b	30.04	+.10	38	37	+	1	W	4	bc	2	f	39	34	—
	Skagen (The Scaw)	30.02	41	SW	1	b	30.08	+.06	41	40	+	2	W	1	o	0	f	54	36	—
	Fanö ...	30.04	37	WSW	1	b	30.10	+.06	41	40	+	1	WSW	2	c	#	b	52	36	—
BRITISH ISLANDS.	Sumburgh Head	29.79	45	WSW	4	b	29.79	+.00	45	42	+	1	WSW	5	o	5	b	47	39	0.01
	Stornoway ...	29.33	47	SW	4	b	29.93	+.60	49	45	+	7	W	4	bc	4	bc	50	40	0.02
	Wick ...	29.87	47	W	2	bc	29.92	+.05	48	45	+	4	W	4	bc	2	bc	51	38	—
	Nairn ...	29.92	45	W	3	c	29.98	+.06	45	42	+	1	WSW	3	c	2	c	52	38	—
	Aberdeen ...	29.95	49	W	2	c	30.07	+.12	50	43	+	5	SW	3	b	1	c	53	36	—
	Leith ...	29.99	49	WSW	3	b	30.14	+.15	45	41	—	1	WSW	2	b	#	b	52	39	—
	Shields ...	30.01	51	W	2	o	30.20	+.19	45	41	—	2	SW	3	b	2	o	53	37	—
	Spurn Head ...	30.00	45	NE	2	c	30.20	+.20	45	43	—	1	N	2	c	2	c	53	42	0.05
	York ...	30.05	48	E	1	r	30.22	+.20	48	40	—	2	WNW	1	b	#	r	54	39	0.08
	Loughborough	30.00	53	N	2	c	30.22	+.28	45	42	+	1	NNW	1	om	#	c	63	41	—
GERMANY & HOLLAND.	Ardeuseau ...	30.03	47	WSW	3	b	30.16	+.13	45	44	—	0	SSW	3	b	2	b	49	41	—
	Malin Head ...	30.01	46	SW	4	b	30.12	+.11	47	44	+	3	SW	4	b	4	c	50	43	—
	Mullaghmore ...																			
	Belmullet ...	30.07	48	WSW	3	b	30.20	+.13	50	47	+	2	SW	2	b	#	b	50	43	0.01
	Donaghadee ...	30.05	48	WNW	4	c	30.22	+.17	45	42	+	1	W	3	b	2	c	52	43	—
	Liverpool (Bldston)	30.07	45	NNW	1	o	30.27	+.20	45	43	—	1	W	1	b	0	o	50	39	0.01
	Holyhead ...	30.08	45	Z	0	o	30.26	+.18	50	47	+	5	NNW	1	bc	1	og	50	41	—
	Parsonstown ...	30.09	47	SW	1	o	30.27	+.18	38	37	—	3	S	1	b	#	og	51	32	—
	Valencia ...	30.08	48	WSW	2	CV	30.22	+.14	45	43	+	1	ENE	1	bc	2	CV	51	36	—
	Roche's Point	30.13	50	NNW	3	c	30.22	+.31	43	40	—	3	NNW	1	b	2	c	51	37	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.08	44	NNE	3	r	30.25	+.17	45	44	—	1	N	3	bc	3	r	48	41	—
	Scilly ...	30.03	45	N	6	or	30.21	+.18	48	45	—	0	N	5	bc	4	or	48	43	—
	Prawle Point ...	29.97	51	NNW	2	b	30.15	+.18	43	42	—	6	NNE	5	og	3	b	59	41	0.08
	Jersey (St. Aubin's)	29.95	61	NE	1	bm	30.11	+.16	48	46	—	6	NNE	4	cgm	3	bm	66	47	—
	Hurst Castle ...	29.98	53	WSW	2	b	30.14	+.16	46	44	—	4	NNE	4	bc	2	bc	63	43	—
	Dungeness ...	29.95	52	E	3	c	30.07	+.12	47	43	—	6	N	4	o	3	bc	52	43	—
	North Foreland	29.97	50	ESE	1	b	30.09	+.15	47	45	—	5	NW	3	b	3	b	56	43	—
	London ...	29.96	61	S	2	b	30.17	+.22	48	43	—	0	E	2	m	#	bc	71	43	—
	Oxford ...	30.01	52	SW	2	c	30.20	+.25	48	44	—	0	NNE	3	bm	#	bc	67	40	—
	Cambridge ...	29.96	54	SSE	1	bc	30.19	+.23	44	42	—	4	NW	3	c	#	bc	71	40	—
PENINSULA.	Yarmouth ...	29.99	48	SSE	2	b	30.13	+.19	45	44	—	5	N	4	b	3	b	54	42	—
	Cuxhaven ...	30.04	45	WNW	1	b	30.09	+.07	44	43	+	2	N	1	b	#	b	53	42	—
	Berlin ...	30.12	53	SE	1	b	30.15	+.09	42	39	—	0	SSE	1	b	#	b	61	37	—
	Wiesbaden ...						30.10	+.07	46	41	+	5	Z	0	b	#	#	64	36	—
	Munich ...	30.08	47	SE	4	b	30.15	+.13	37	34	—	2	SE	1	b	#	b	59	30	—
	The Helder ...	30.09	47	NNE	1	b	30.16	+.14	46	44	+	6	NE	1	c	2	b	52	39	—
	Brussels (0 a.m.)						30.07	+.10	51	45	—	3	NE	1	b	#	b	67	43	—
	Cape Gris Nez	29.94	56	E	1	m	30.02	+.09	46	45	—	7	NE	3	m	3	m	59	45	—
	Paris ...	29.95	65	S	2	b	?	?	44	?	+	3	S	2	b	#	b	72	41	0.04
	Brest ...	?	54	N	1	o	?	?	46	46	+	1	NE	2	r	1	o	66	43	—
OTHER STATIONS.	Lorient ...	29.99	56	SSW	3	bc	30.04	+.15	48	47	—	?	NE	4	c	2	bc	70	46	—
	Rochefort ...	29.96	57	WNW	3	b	30.00	+.10	53	52	+	3	N	2	o	#	b	70	50	—
	Belfort ...	?	61	ENE	1	b	?	?	41	39	—	5	E	1	m	#	b	68	32	—
	Lyons ...	29.96	62	E	1	b	30.08	+.09	53	46	+	6	NNW	1	b	#	b	71	47	—
	Nice ...	29.93	55	W	1	b	30.04	+.13	55	46	+	2	E	3	b	#	b	64	50	—
	Perpignan ...	29.96	57	Z	0	bc	30.05	+.10	52	45	+	5	W	2	b	#	bc	64	46	—
	Biarritz ...	29.95	57	W	4	b	30.05	+.18	54	51	+	3	W	4	o	4	b	66	50	—
	Corunna ...																			
	Lisbon ...	30.00	56	NNE	4	o	29.98	+.02	50	50	—	0	NNE	4	b	#	o	64	54	0.35

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 Sunday, 2nd April 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—

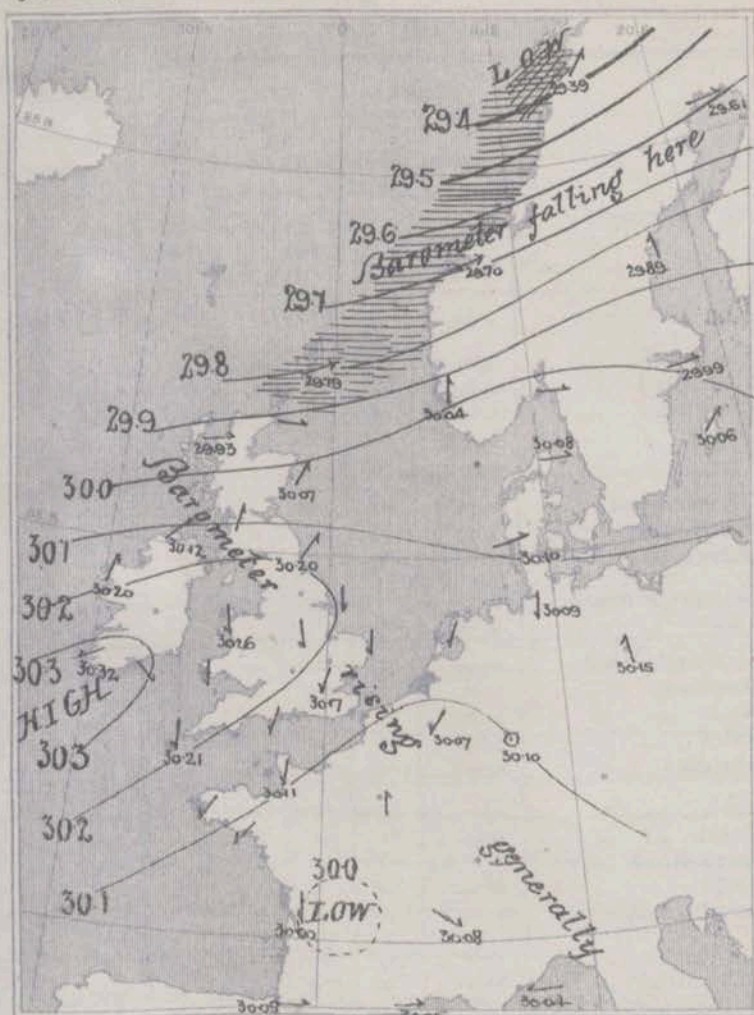
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Burnburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.867
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Scilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

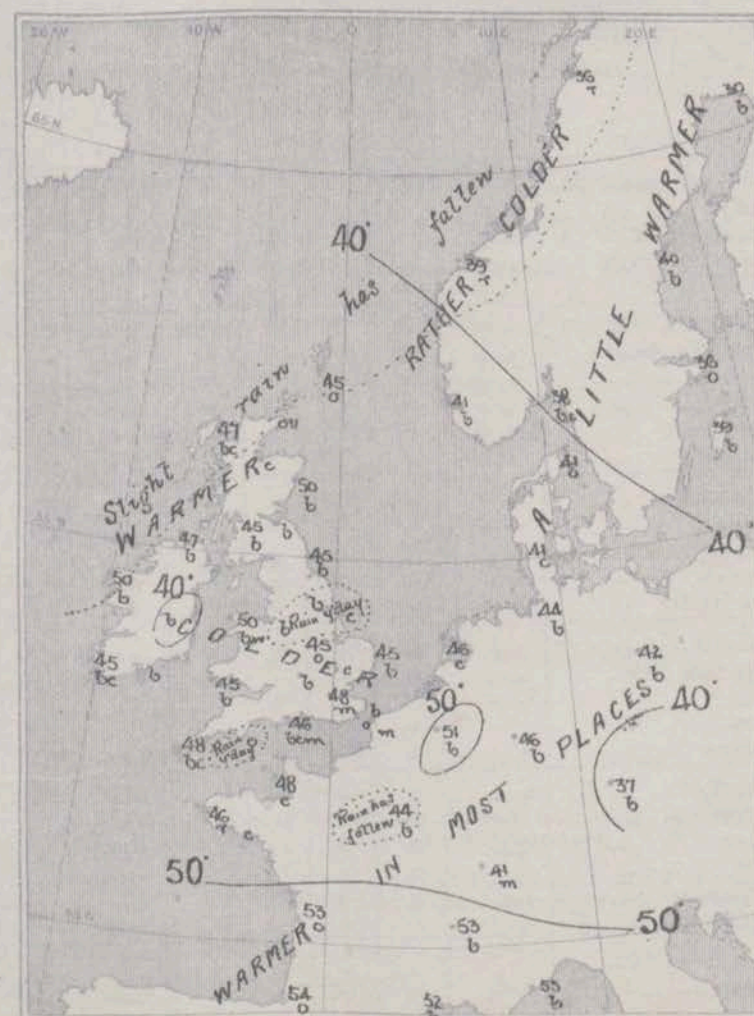
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Bamburgh Head	48.0	36.7	41.7	40.2	2.07
Stornoway	48.0	37.2	43.8	42.2	2.03
Wick	48.0	38.9	43.1	41.2	1.08
Nairn	50.9	37.2	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.67
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	43.3	1.45
York	50.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.8	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.5	40.4	45.0	42.1	1.65
Parsonstown	54.8	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	46.6	3.83
Roche's Point	43.7	42.1	40.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Scilly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.0	2.07
Jersey	54.2	43.5	48.6	46.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	50.0	39.7	46.1	45.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.2	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: and more to 30.1 in: in the eastern part of an anticyclone spreading in from the Atlantic over Ireland, England, the Channel, and North Sea; 30.1 in: and more in another over Central Europe.
 Lowest, 30.0 in: and less, over the south of Spain; 29.4 in: and less to 29.6 in: over Lapland and the northern parts of Norway.
 Direction, rather steep for N and SW winds in the far north, slight elsewhere, and mainly favourable for E winds.
 Barometer rising except in the far north and over Spain, in both of which regions a fall is in progress.

TEMPERATURE

Highest, 53° at Lisbon, 50° to 55° over the south-western and southern parts of France, and 50° at Belmullet and Aberdeen.
 Lowest, 30° at Haparanda, 36° at Stockholm, 37° at Munich, 41° at Belfast.
 It touched 71° in London and at Cambridge, 67° at Oxford, and 63° at York and Hunt-Castle during yesterday afternoon, but did not reach 60° over Ireland and Scotland. The daily minima were again rather low.

WIND

1. N^W, moderate in Scotland, SW^W, fresh to a gale in Norway.
2. N^W, moderate to fresh in the south and east of England, NE^W over the Bay of Biscay.
3. Very light and Variable over Germany and the East of France.

WEATHER

Dull and rainy in the north of Norway, dull in the Shetlands and also in the south-west of France.
 Fair generally elsewhere, and in most cases light.
 Slight rainfall is reported for part of the hours at a few of the northern stations, and for a considerable time the sky looked very unsettled even in the east and south of England, but subsequently cleared.

SEA

Very rough off the northwest of Norway, rough at Lumburgh H^o also, smooth on our south coast generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

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

FORECASTS.

None issued

DISTRICTS.

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

WARNINGS

FORECASTS.

None issued

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.94	49	46	WSW	2	0	3	Valencia ...	30.12		50	45	WSW	3	c	4
Sumburgh Head ...	29.76	46	42	WSW	4	b	4	Scilly ...	29.97		48	47	NNE	6	0	4
Stornoway ...	29.82	49	47	W	4	b	4	Jersey ...	29.95		60	54	WNW	2	b	1
Aberdeen ...	29.91	52	44	SSE	2	c	2	Hurst Castle ...	29.90		60	52	SW	2	bcm	1
Shields ...	29.99	52	48	WNW	1	0	2	Dungeness ...	29.96		50	50	NE	1	b	0
Ardrossan ...	29.97	47	45	WSW	3	b	2	North Foreland ...	29.97		55	49	SE	1	b	2
Malin Head ...	29.96	49	44	WSW	3	c	3	London ...	29.95		68	62	SE	2	b	*
Mullaghmore ...								Yarmouth ...	29.98		50	46	SSE	2	b	2
Belmullet ...	30.03	50	44	SW	2	b	*	Rocheport ...	29.95		69	59	SSE	3	b	*
Holyhead ...	30.03	47	45	NNW	1	og	1									

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

Weather in morning very fine over eastern, central, and nearly the whole of western Europe; dull over Portugal, dull and unsettled over northern Europe, with rain in several parts of Norway, snow at Haparanda. Some rain at the northern and extreme western stations later, but slight in our islands and very local.

Temperature fallen over the United Kingdom, risen quickly over Russia. Morning readings highest 50° and more on the coast of southern Europe as a whole, and over the southeastern counties of England, but much lower over central, eastern, and northern Europe. Lowest 12° F. at Archangel and Moscow, 19° at Kuopio, 20° at Hanko, and below 30° over Russia generally. Rising later to between 65° and 71° over our southern, midland, and eastern counties, and rather higher over France — much less high over Scotland and Ireland. Successively night less cold over the United Kingdom than of late.

Wind NE^{ly} to NW^{ly} over the Mediterranean, light S^{ly} over northern Europe and the Baltic; very variable and light elsewhere but shifting to Nnd on our own western and southwestern coasts. Little change later, but the N^{ly} breeze becoming strong at Scilly.

Barometer highest 30.3 in. and more to 30.1 in. in an anticyclone over Russia and Central Europe, and exceeding 30.0 in. in another over the Atlantic to the southward of Ireland. Lowest 29.5 in. to 29.4 in. and less, off the northwest of Norway, 29.8 in. and less, near Malta. Rising over the United Kingdom later, as the new anticyclone in the southwest spread 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, 3rd April,

1893

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. 4. 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.	TRMP.	WIND.		Weather.	Barometer.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.	
				Reading at 52° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 52° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.		Dirac.	Force (0 to 12).	Weather.		Max.
Ina.		°				Ina.	°	°	°									°	Ina.
SCANDINAVIA.	Haparanda ...	29.43	?	W	4	c	† 28.90	- .71	81	31	+ 1	S	4	S	†	c	39	21	-
	Hernösand ...	29.66	41	S	4	b	29.41	- .48	40	32	+ 0	W	8	6	†	b	52	30	-
	Stockholm ...	29.94	41	Z	0	b	29.65	- .34	43	39	+ 7	W	6	6	†	b	52	34	-
	Wisby ...	30.05	41	WSW	4	b	29.64	- .42	42	41	+ 3	WSW	6	0	†	b	48	52	-
	Bodö ...	29.25	35	SW	6	S	29.25	- .14	28	25	- 8	HW	8	5	†	b	37	23	-
	Christiansund...	29.46	41	WSW	9	†	29.78	+ .08	37	34	- 2	W	4	†	6	†	41	36	1.18
	Skudesnaes ...	30.02	43	SSW	6	0	29.97	- .07	43	42	+ 2	N	2	0	†	0	46	41	-
	Christiania Fjord (Færd)	29.99	44	WSW	5	c	29.75	- .29	42	41	+ 4	SSW	7	0	†	0	43	38	-
	Skagen (The Seaw)	30.11	41	W	4	bc	29.90	- .18	45	42	+ 4	W	7	0	†	bc	48	41	-
	Fanö ...	30.23	39	HW	2	b	30.17	+ .07	42	40	+ 1	W	4	bc	†	b	55	34	-
BRITISH ISLANDS.	Sumburgh Head	29.66	47	SW	7	†	29.89	+ .10	44	44	- 1	S	1	†	4	†	48	41	0.25
	Stornoway ...	29.89	51	SW	7	0	30.04	+ .11	50	49	+ 3	SW	4	†	4	†	52	45	0.03
	Wick ...	29.89	50	W	7	0	29.97	+ .05	50	48	+ 4	HW	7	0	†	0	53	44	-
	Nairn ...	29.96	51	WSW	4	c	30.06	+ .08	51	49	+ 6	WSW	2	0	†	0	56	44	-
	Aberdeen ...	30.04	50	SSW	4	099	30.12	+ .05	51	47	+ 1	SW	1	0	†	0	58	48	0.02
	Leith ...	30.14	53	W	4	bc	30.18	+ .04	48	45	+ 3	W	4	bc	†	bc	58	44	-
	Shields ...	30.20	54	SW	3	b	30.23	+ .03	51	47	+ 6	W	2	bc	†	b	59	38	-
	Spurn Head ...	30.26	45	ESE	3	bc m	30.27	+ .07	43	42	- 2	W	2	bc	†	bc	51	39	-
	York ...	30.26	44	W	2	b	30.29	+ .07	42	39	- 1	S	1	b	†	b	61	35	-
	Loughborough	30.27	56	HW	1	b	30.32	+ .10	35	34	- 10	Z	0	f	†	b	60	24	-
GERMANY & HOLLAND.	Ardrossan ...	30.17	47	SSW	2	c	30.21	+ .05	46	45	+ 1	SSW	3	0	†	0	44	44	-
	Malin Head ...	30.17	49	WSW	5	0	30.22	+ .10	47	45	0	SW	3	0	†	bc	54	45	-
	Mullaghmore ...	30.25	51	SSW	3	b	30.24	+ .04	50	48	0	SW	3	bc	†	bc	54	46	-
	Donaghadee ...	30.23	55	WSW	3	b	30.28	+ .06	47	45	+ 2	W	4	bc	†	b	59	42	-
	Liverpool (Bldaton)	30.31	48	Z	0	b	30.29	+ .02	47	41	+ 2	SE	1	b	†	b	52	37	-
	Holyhead ...	30.29	49	SW	1	b	30.29	+ .03	48	46	- 2	Z	0	bc	†	b	53	39	-
	Parsonstown ...	30.33	54	SW	1	c	30.29	+ .02	43	38	+ 5	Z	0	b	†	c	57	31	-
	Valencia ...	30.34	52	Z	0	b	30.28	- .04	43	42	- 2	Z	0	bc	†	b	54	34	-
	Roche's Point	30.31	52	SW	2	b	30.33	+ .01	46	44	+ 3	HW	1	b	†	b	54	40	-
	Pembroke (St. Ann's Hd.)	30.28	48	NNE	3	b	30.25	0.00	45	42	0	NE	2	b	†	b	54	42	-
FRANCE AND BELGIUM.	Scilly ...	30.27	49	N	5	b	30.15	- .06	50	47	+ 2	ENE	4	0	†	0	50	45	-
	Prawle Point ...	30.21	53	NNE	3	bc	30.19	+ .04	50	47	+ 7	NE	5	bc	†	bc	57	43	-
	Jersey (St. Aubin's)	30.16	57	NNE	3	bc m	30.15	+ .04	50	47	+ 2	NE	5	b	†	b	57	47	-
	Hurst Castle ...	30.21	55	NE	3	bc m	30.23	+ .09	47	44	+ 1	NE	3	b	†	bc	60	41	-
	Dungeness ...	30.17	51	ENE	4	c	30.22	+ .15	49	47	+ 2	NE	4	b	†	c	56	43	-
	North Foreland	30.21	46	ENE	4	b	30.24	+ .15	48	46	+ 1	NE	2	bc	†	b	49	42	-
	London ...	30.23	57	ENE	2	b	30.28	+ .11	45	42	- 3	ENE	1	bc	†	b	63	39	-
	Oxford ...	30.30	47	NE	1	b	30.29	+ .09	43	40	- 5	NE	1	bc	†	b	58	34	-
	Cambridge ...	30.27	58	NNE	1	b	30.30	+ .11	41	38	- 3	HW	1	b	†	b	61	30	-
	Yarmouth ...	30.25	46	NNE	3	b	30.27	+ .14	45	43	0	N	1	bc	†	b	49	39	-
PENINSULA.	Cuxhaven ...	30.28	43	HW	2	b	30.27	+ .18	41	40	- 3	W	2	b	†	b	54	40	-
	Berlin ...	?	?	?	?	?	30.21	+ .11	44	40	- 2	S	1	b	†	?	64	37	-
	Wiesbaden ...	?	?	?	?	?	30.23	+ .08	38	36	+ 1	N	1	b	†	?	61	32	-
	Munich ...	30.18	47	SE	3	†	30.33	+ .17	44	43	- 2	NE	1	b	†	b	48	41	-
	The Helder ...	?	46	NE	2	b	?	?	?	?	?	?	?	†	?	?	?	?	-
	Brussels (3 a.m.)	?	?	?	?	?	30.24	+ .17	42	41	- 9	ENE	3	b	†	b	66	39	-
	Cape Gris Nez	30.09	47	NNE	4	bc	30.17	+ .15	46	46	0	E	3	b	†	bc	50	43	-
	Paris ...	30.10	64	NNE	2	c	30.15	?	47	44	+ 3	N	2	b	†	c	?	44	-
	Brest ...	?	50	NE	4	0	?	?	47	45	+ 1	NE	3	bc	†	0	54	43	-
	Lorient ...	30.10	58	Z	0	0	30.06	+ .02	52	47	+ 4	ENE	4	c	†	0	66	48	-
FRANCE AND BELGIUM.	Rochefort ...	30.04	55	N	3	0	30.00	0.00	53	50	0	SE	3	0	†	0	59	50	-
	Belfort ...	?	61	E	1	b	?	?	41	41	0	W	1	b	†	b	71	34	-
	Lyons ...	30.06	62	N	1	b	30.15	+ .07	51	45	- 2	SE	1	b	†	b	70	47	-
	Nice ...	30.12	57	E	1	bc	30.17	+ .13	53	45	- 2	Z	0	b	†	bc	63	46	-
	Perpignan ...	30.07	55	NE	2	0	30.12	+ .07	55	54	+ 3	NE	2	0	†	0	70	52	-
	Biarritz ...	30.06	55	N	3	0	29.94	- .11	49	46	- 5	SE	5	m	†	0	68	49	-
PENINSULA.	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	†	?	?	?	?	-
	Lisbon ...	29.92	55	HW	5	b	29.97	- .01	53	48	- 6	NNE	3	bc	†	?	68	50	-

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Monday, 3rd April 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:

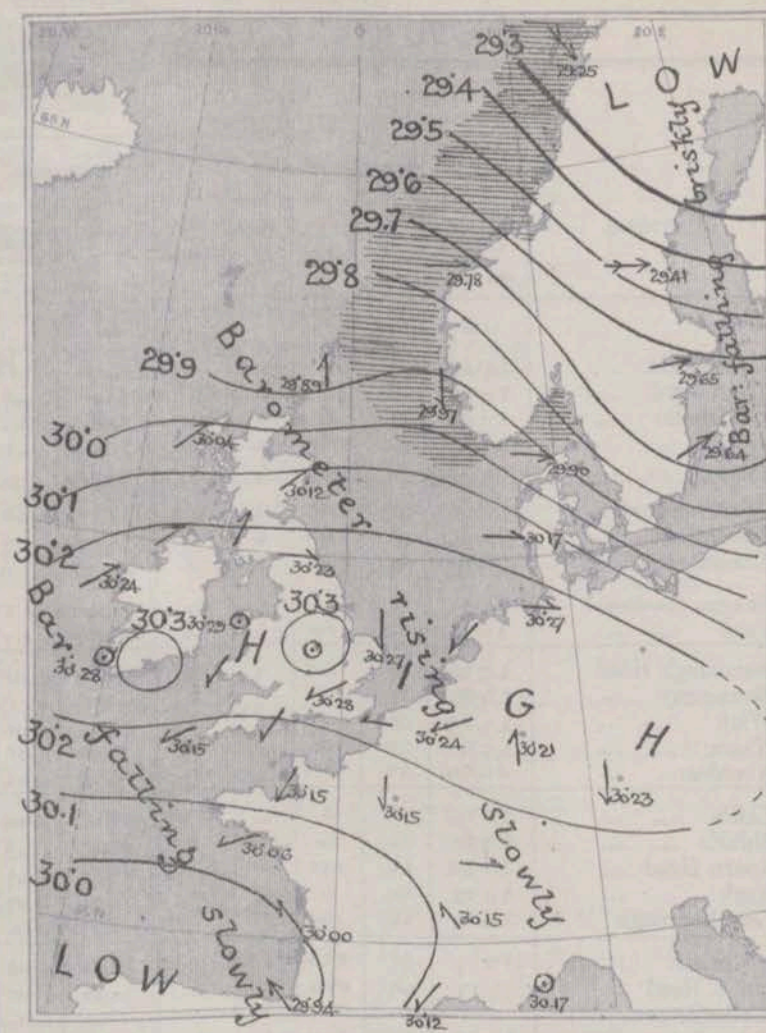
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER,

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

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.898
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sailly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.894
Cambridge	29.830
Yarmouth	29.872



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.

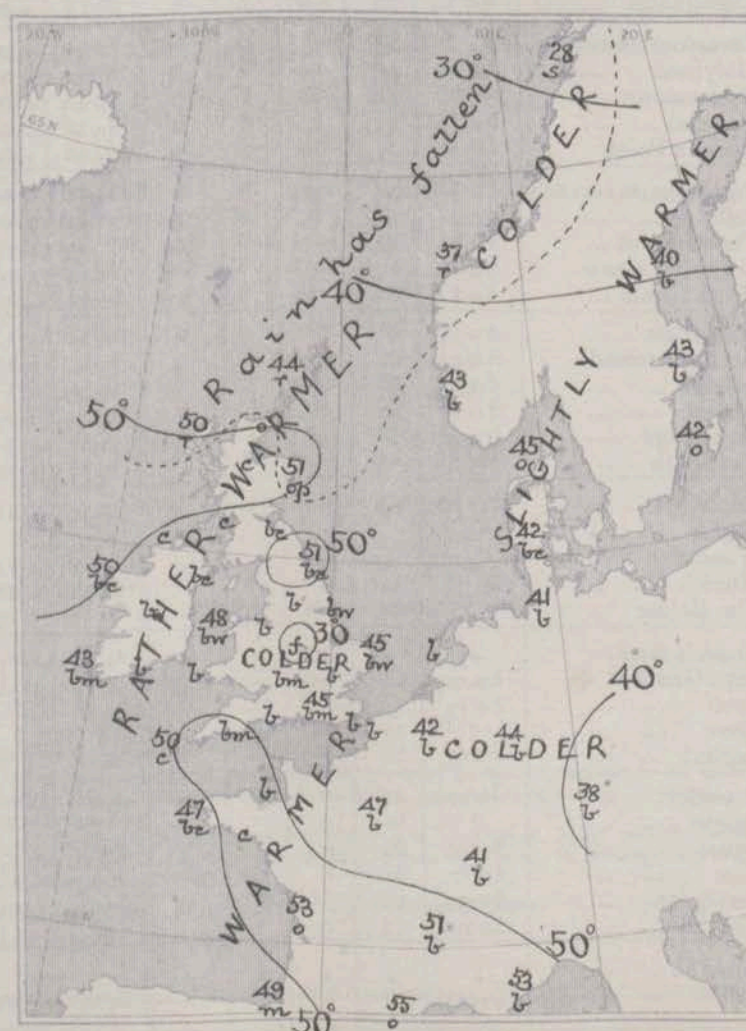
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Bumburgh Head.....	46.0	30.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.64
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	50.2	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.18
Leith	52.0	37.9	43.1	41.7	1.67
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head.....	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.0	42.3	45.3	43.0	2.05
Donaghadee.....	51.0	40.0	44.6	42.9	1.92
Holyhead.....	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	55.9	43.8	48.2	46.6	3.83
Roche's Point	53.7	42.1	46.8	44.3	3.24
Pembroke.....	50.4	41.2	45.2	43.4	1.94
Sailly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.6	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.4	37.5	45.3	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and more to 30.1 ins: in an anticyclone covering Ireland, England, Germany, and the north and east of France.
 Lowest, 30.0 ins: and less, over the Iberian Peninsula and the southern part of the Bay of Biscay, also over the extreme north of Scotland; 29.3 ins: and less over Iceland and the north of Sweden.
 Gradients moderate over Scandinavia and Denmark, and over the Bay of Biscay, slight over our islands and France.
 Barometer falling a little in the west and south, rising at our northern stations.

TEMPERATURE

Highest, 55° at Perpignan, 50° at Luton and Nice, 50° at Jersey, Poulton Point, and Pelly, 50° to 51° in the north of Scotland.
 Lowest, 28° at Bodø, 31° at Haparanda, 31° at Christiansund; 35° at Loughborough, 42° at York.
 The maxima recorded yesterday exceeded 60° in several parts of England, but the night was again cold, with frost on the grass.

WIND

W¹ and NW¹ over Scandinavia and the northeast of Scotland, and blowing a gale in several places; SW¹ and moderate on our northwestern coast; Calm over the south of Ireland and Central England; NE¹ to E¹ and moderate over the Channel and Bay of Biscay.

WEATHER

Fine and bright over Ireland, England, the North Sea, France and Germany, dull in the far north, with snow at Bodø; rain at Christiansund, Loughborough, Haparanda, Lornoway and Aberdeen. The air is heavy at several of our southern stations.
 A moderate amount of rain-fall is reported in the extreme north, none elsewhere.

SEA

Moderate both on our northern and southwestern coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather seems likely to become somewhat showery in Ireland shortly, but no great change is indicated for England at present.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW ¹ winds, freshening; some rain.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	W ¹ to SW ¹ winds; some showers then fine.	7 ENGLAND N.W.	SW ¹ and S ¹ breezes, moderate; fair as a whole.
2 ENGLAND N.E.		8 ENGLAND S.W.	Same as No 5.
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	S ¹ and SW ¹ breezes, freshening; some showers in the west.
4 MIDLAND COUNTIES	Varying airs; fine generally. Cold tonight.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	NE ¹ and E ¹ breezes, moderate; fine. Very cold tonight.	WARNINGS	At 7.0 pm yesterday to district 0 and part of 1. "Hoist South Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.09	47	43	SE 4	4	c	3	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.90	52	47	SW	6	c	5	Jersey ...	30.15	56	51	N	3	bc	3
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	30.14	55	50	E 4	4	bc	3
Ardrossan ...								North Foreland ...	30.15	49	46	N 4	4	b	5
Malin Head ...	30.16	57	47	W	5	bc	4	London ...							*
Mullaghmore ...								Yarmouth ...							*
Belmullet ...	30.25	54	50	SW	3	bc	1	Rochefort ...							
Holyhead ...	30.30	57	48	W	1	b	1								

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

The Continental information not yet received

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 26TH MAR. TO 1ST APRIL 1893.

Notwithstanding a steadily falling barometer the fine bright weather noticed over our Islands last week has continued throughout the greater part of the present period, with high temperatures during the daytime, and frosts over the inland districts at night.

During the early part of the week the central portion of a large anticyclone was shown over the North Sea and its immediate neighbourhood, the winds over the United Kingdom being mainly E^{ly}, light or moderate, and the weather fine. Later on, however, the anticyclone became gradually reduced in intensity and moved slowly to the southwest. On the 30th and 31st March shallow depressions began to move along our extreme northwest and north coast, their presence being marked by freshening SW^{ly} winds in the extreme northwest, and by slight falls of rain in Ireland and Scotland.

On the 1st April a small secondary system which appeared off our southwest coast occasioned an extension of rain to the west of England, and an increase of cloud even in the southeastern districts, but in the rear of this a new high-pressure system advanced over our Islands from the Atlantic, so that at the close of the week the weather in the west was again improving.

Over the inland parts of England the thermometer rose frequently to a maximum of 65° and upwards; on the 19th March it touched 70° at Cambridge, and on April 1st to 71° in London. The grass thermometer fell below the freezing point each night.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 4TH APRIL.

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).		Max.	Min.	Amount of Rainfall.	
	Ina.	°				Ina.	°	°	°	°						°	°	Ina.	
SCANDINAVIA.	Haparanda ...	29.07	28	NW	0	29.30	+6.5	20	20	-1	N	6	b	0	0	27	19	0.12	
	Hernösand ...	29.66	24	W	4	29.32	+5.1	24	20	-6	NW	6	b	0	0	20	20	—	
	Stockholm ...	29.21	40	NW	2	29.50	+5.3	36	30	-7	NW	0	b	0	0	32	26	—	
	Visby ...																		
	Nord ...	29.61	32	NW	4	29.86	+6.1	31	27	+3	NW	6	c	0	0	24	25	—	
	Christiansund ...	29.81	37	NW	0	29.14	+2.6	37	35	0	N	5	c	5	0	27	24	0.20	
	Skudesnaes ...	29.05	44	NW	1	29.22	+2.5	42	42	-1	NW	2	f	0	0	27	27	—	
	Christiania Fjord (Farder) ...	29.91	41	NW	2	29.13	+3.8	37	36	-3	NW	0	b	2	0	42	27	—	
	Skagen (The Scaw) ...	29.86	42	NW	5	29.12	+2.2	41	39	-4	N	2	b	1	0	45	27	—	
	Faro ...	29.15	42	W	4	29.19	+0.2	42	42	0	N	4	0	0	0	40	41	—	
BRITISH ISLANDS.	Sumburgh Head ...	29.88	27	W	0	29.18	+2.0	46	46	+2	N	2	0	4	0	47	43	0.06	
	Stornoway ...	29.12	50	W	4	29.22	+1.0	46	45	-4	NW	4	b	4	0	52	30	0.02	
	Wick ...	29.14	50	N	6	29.25	+2.0	46	44	-4	NW	2	b	1	0	53	30	—	
	Nairn ...	29.16	52	NW	2	29.26	+2.0	46	44	-8	NW	1	b	1	0	52	32	—	
	Aberdeen ...	29.17	52	E	1	29.30	+1.0	45	44	-3	NW	1	b	1	0	52	36	—	
	Leith ...	29.18	51	NW	0	29.30	+1.2	41	40	-7	N	1	m	0	0	60	34	—	
	Shields ...	29.19	51	W	2	29.30	+0.7	41	40	-3	N	0	b	2	0	62	38	—	
	Spurn Head ...	29.21	46	NW	2	29.31	+0.1	47	45	+4	SE	1	b	2	0	57	41	—	
	York ...	29.22	62	NW	1	29.33	+0.1	41	39	-1	N	1	b	0	0	68	3	—	
	Loughborough ...	29.22	61	NE	1	29.29	-0.3	36	35	+1	N	0	b	0	0	66	28	—	
GERMANY & HOLLAND.	Ardrossan ...	29.23	48	NW	1	29.37	+0.8	44	43	-2	NW	1	b	0	0	53	36	—	
	Malin Head ...	29.24	51	N	0	29.26	+0.4	49	47	+2	N	1	b	2	0	52	43	—	
	Mullaghmore ...																		
	Belmullet ...	29.25	51	NW	2	29.22	-0.2	42	45	+2	E	1	b	0	0	56	42	—	
	Donaghadee ...	29.27	48	SE	3	29.31	+0.3	45	45	-2	NW	0	b	1	0	57	44	—	
	Liverpool (Bidston) ...	29.26	51	NW	1	29.37	-0.2	43	40	-4	SE	1	m	1	0	55	38	—	
	Holyhead ...	29.24	47	NW	1	29.37	-0.4	48	45	0	N	0	b	0	0	54	44	—	
	Parsonstown ...	29.21	53	N	0	29.37	0.0	42	41	-1	SE	1	m	0	0	61	38	—	
	Valencia ...	29.21	53	N	0	29.37	-0.5	42	47	+11	N	0	b	4	0	57	42	—	
	Roche's Point ...	29.21	53	SE	0	29.37	-1.2	50	47	+4	SE	4	b	4	0	56	45	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.) ...	29.18	56	NE	2	29.23	-0.2	50	47	+3	NE	0	b	2	0	60	45	—	
	Scilly ...	29.09	54	ENE	5	29.07	-0.6	53	48	+3	ENE	5	c	4	0	57	47	—	
	Prawle Point ...	29.13	53	NE	6	29.10	-0.4	51	46	+1	NE	6	b	4	0	58	42	—	
	Jersey (St. Aubin's) ...	29.08	53	NE	5	29.11	-0.4	52	49	+2	ENE	0	m	3	0	62	47	—	
	Hurst Castle ...	29.16	54	E	2	29.17	-0.4	47	45	+2	ENE	4	b	2	0	58	41	—	
	Dungeness ...	29.16	50	NE	4	29.20	-0.2	50	47	+1	ENE	5	b	4	0	53	45	—	
	North Foreland ...	29.20	46	NE	0	29.25	+0.1	47	46	+1	E	0	b	0	0	40	43	—	
	London ...	29.23	57	E	0	29.27	+0.1	47	42	+2	ENE	2	b	0	0	65	38	—	
	Oxford ...	29.22	52	N	0	29.28	-0.1	44	40	+1	NE	1	b	0	0	64	34	—	
	Cambridge ...	29.22	57	ENE	1	29.30	0.0	40	37	-1	NW	1	b	0	0	67	27	—	
PENINSULA.	Yarmouth ...	29.24	44	N	0	29.28	+0.1	46	44	+1	NE	1	b	1	0	58	40	—	
	Cuxhaven ...	29.24	45	NW	0	29.27	0.0	46	45	+5	NW	0	0	0	0	51	41	—	
	Berlin ...	29.15	53	NW	1	29.18	-0.1	45	44	0	NW	2	0	0	0	63	37	—	
	Wiesbaden ...					29.20	-0.1	47	43	+3	E	1	b	0	0	66	32	—	
	Munich ...	29.15	48	SE	2	29.18	-0.3	37	35	-1	SW	0	b	0	0	61	38	—	
	The Helder ...	29.29	45	N	1	29.34	+0.1	44	43	0	N	1	b	1	0	50	41	—	
	Brussels (9 a.m.) ...					29.24	0.0	46	41	+4	ENE	4	b	0	0	65	40	—	
	Cape Gris Nez ...	29.15	48	E	0	29.17	0.0	45	42	-1	E	4	b	0	0	53	41	—	
	Paris ...	29.06	66	ENE	2	29.13	-0.2	47	44	0	NW	2	b	0	0	70	42	—	
	Brest ...		62	E	0			50	48	+3	NE	0	c	0	0	70	46	—	
FRANCE AND BELGIUM.	Lorient ...	29.37	65	ENE	4	29.01	-0.5	52	48	0	E	0	c	0	0	70	50	—	
	Rochefort ...	29.31	67	SE	3	29.39	-0.1	50	46	-3	SE	0	b	0	0	77	45	—	
	Belfort ...																		
	Lyons ...	29.04	62	SE	1	29.11	-0.4	47	44	-2	E	1	b	0	0	72	45	—	
	Nice ...	29.10	54	SE	1	29.09	-0.8	45	45	-1	NW	1	b	0	0	63	45	—	
	Perpignan ...	29.07	56	E	2	29.12	0.0	47	47	-8	NW	2	b	0	0	65	48	—	
	Biarritz ...	29.25	67	E	2	29.01	+0.7	50	50	+6	ENE	0	T	0	0	79	47	—	
	Corunna ...																		
	Lisbon ...	29.04	52	NW	2	29.05	+0.1	54	51	+1	N	0	0	0	0	57	50	—	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 4th April, 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.

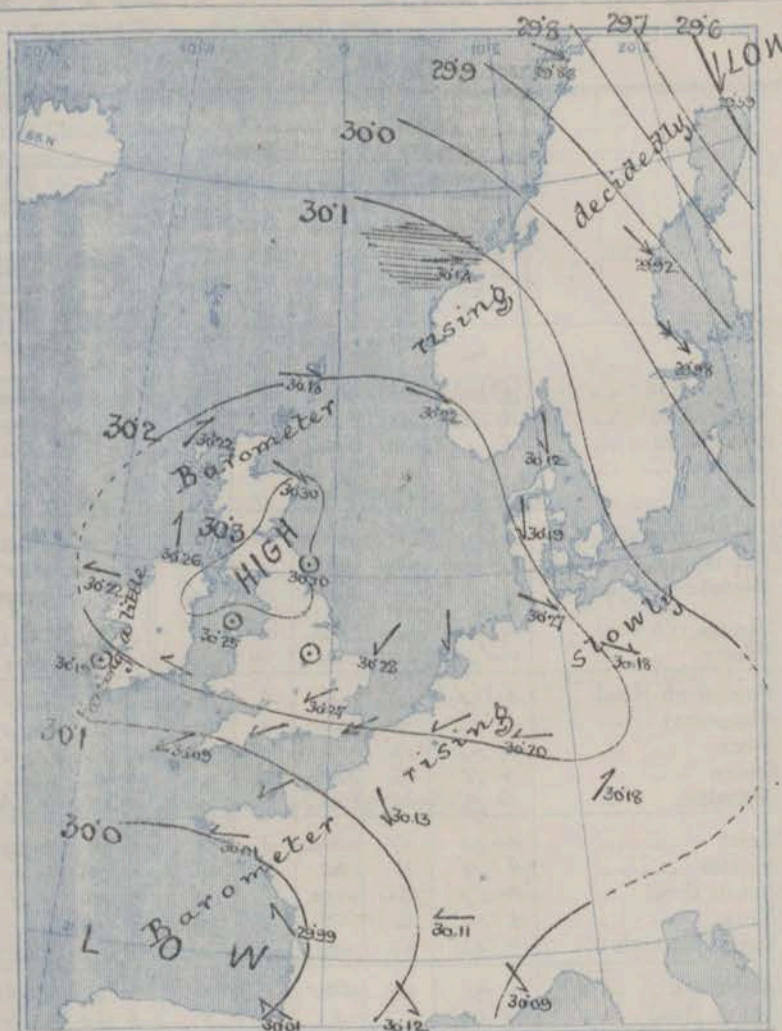
SEA DISTURBANCE—Where considerable, is shown thus:

☼ = Rough, ☼ = High.

MEAN HEIGHT OF THE BAROMETER.

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.855
Leith	29.863
Shields	29.868
Spurn Head	29.860
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.889
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	43.9	37.2	43.8	42.3	2.66
Wick	48.0	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.5	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	46.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	48.2	44.6	2.07
Jersey	54.2	43.5	48.5	46.9	2.08
Hurst Castle	52.1	41.0	46.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.5	46.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and more to 30.2 ins. in an anticyclone covering the British Islands, the North Sea, and Netherlands.
 Lowest, 29.9 ins. and less, over the north of Ireland, and 30.0 ins. and less, over the Bay of Biscay.
 Gradient very slight over our Islands and the North Sea; moderate in most places, steep (for N. winds) over the Gulf of Bothnia.
 Barometer rising decidedly in the north, changing little and irregularly elsewhere.

TEMPERATURE

Highest, 55° at Biarritz, 54° at Lisbon and at Kilmuir (Ireland), and above 50° on our southern coast generally, and the west coast of France.
 Lowest, (1) 30° to 31° in Lapland, 34° at Helsingfors, 36° at Stockholm (2) 36° at Loughborough, 40° at Cambridge.
 The maxima recorded yesterday again reached 60° over the inland parts of England (61° at Cambridge), and touched 61° at Bournemouth; the night minima were again low (28° at Loughborough and Cambridge). In the west of France the maxima ranged between 70° and 77°.

WIND

Light to fresh from the E. over the Bay of Biscay, the Channel, and south of England, light SW. to W. in the Atlantic and Shetlands, rather strong W. over the northern half of Norway, strong NW. over Sweden and the Gulf of Bothnia, light N. in Denmark and Holland.
 Variable airs prevail over the greater part of Ireland and England.

WEATHER

Still cloudy in the Shetlands and west of Norway and rainy at Berlin, fine everywhere else, and in most places clear and bright.
 Some rain fell occurred in the Atlantic and Shetlands yesterday, as well as at Chirkensund and Haparanda, but none over the United Kingdom as a whole.

SEA

Moderate both on our most northern and southwestern coasts, slight to smooth elsewhere. Valencia reports a heavy sea running last night and "Lille" ground sea from West this morning.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any decided change at present.

FORECASTS

For the 24 hours ending at NOON on 5TH APRIL 1893.

DISTRICTS.

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

FORECASTS.

SW. breezes, light; fine.
 }
 Variable airs and calms; fine generally.
 Mild during day, cold and hazy in night.
 E. and NE. breezes, light inland; moderate to fresh in Channel; fine.

DISTRICTS.

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

FORECASTS.

Same as Nos 1 to 4

Same as No 5

} SE. and E. breezes, moderate or light; fine.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.01	47	44	W.S.W.	2	7	4	Valencia ...	30.23	57	51	W.N.W.	2	6m	3
Sumburgh Head ...	30.92	48	48	W.	4	7	4	Soilly ...	30.11	56	50	W.N.E.	4	C	3
Stornoway ...	30.11	53	51	W.	4	6	4	Jersey ...	30.08	62	5	N.E.	4	C	3
Aberdeen ...	30.14	61	50	W.N.W.	2	6	1	Hurst Castle ...	30.22	57	52	N.E.	2	6m	1
Shields ...	30.19	61	54	W.S.W.	2	6	2	Dungeness ...	30.17	53	50	N.E.	4	C	3
Ardrossan ...	30.23	49	49	W.S.W.	2	6	2	North Foreland ...	30.22	49	46	N.E.	2	C	3
Malin Head ...	30.24	53	49	W.	2	6	3	London ...	30.22	61	52	W.	2	C	3
Mullaghmore ...	30.25	56	50	W.	2	6	3	Yarmouth ...	30.27	49	45	N.N.E.	2	C	3
Belmullet ...	30.27	49	48	W.N.W.	1	6m	1	Rochefort ...	30.35	73	61	W.	4	C	3
Holyhead ...	30.27	49	48	W.N.W.	1	6m	1								

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

Weather still fine and bright over the greater part of our Islands and the Continent, but dull and rainy in the north of Scotland and also in the west of Norway; snow falling in the north of Scandinavia. Cloudy also in Spain, Algeria and the west of France, with rain at Madrid. No important change occurring during day but snow falling at Christiansund in evening.

Temperature changed rather irregularly; risen a little in most places, but fallen over central England, as well as in Germany, the Netherlands, Spain and N. Italy. Morning readings, highest 64° at Algiers, 63° at Spex, 62° at Bilbao, 61° at Oran, and 60° at Nemours, above 55° at many of the Mediterranean stations, and above 50° in some parts of Scotland. Lowest 20° at Archangel, 18° at Bodo and Helongfors, and 31° at Nagasaki, St. Petersburg, Nicolaieff, and Cadessa, below 10° in many parts of central Europe and also in some parts of central England. Rising during day to between 65° and 67° over the inland parts of England, and to 70° or more in the west and south of France, the highest reading of all being 79° at Biarritz.

Wind varying between S.W. and N.W. over N. Europe, and also in the N. of our Islands; strong to a gale in force at many of the Scandinavian stations. Light to moderate from E. or N.E. over the S. of our Islands, and also in Spain and Italy, but S.E. in the west of France. Light and variable over the central parts of the United Kingdom, and also in Germany and Austria. No important change occurring during day.

Barometer highest 30.5 ins. to 30.2 ins. over Austria and the S. of Russia, 30.2 ins. to 30.3 ins. in a long and broad band stretching thence across central Europe and the Netherlands to England and Ireland. Lowest 28.9 ins. and less in a rather deep depression passing E. across Lapland, 29.9 ins. and less in a shallow system over the N.W. of Spain. Both depressions moving E. later; barometer rising in Scandinavia, but falling over Ireland, England and France.

REMARKS ON THE WEATHER FOR 24 HOURS ENDING 8 A.M. 3rd APRIL

Weather fine and bright over the greater part of our Islands and the Continent, but dull in the extreme north of Scotland, and rainy in the west of Norway. Snow falling at Archangel. A little rain falling later in the north of Scotland, and a considerable quantity (1.2 ins.) at Christiansund. Slight rain falling also at one or two of the Spanish stations, but weather remaining fine and dry in all other parts of Europe.

Temperature fallen in many parts of England and Ireland, as well as in Austria, but risen in most other countries. Morning readings, highest 65° at Oporto, 62° at Barcelona, 60° at Algiers, 59° at La Caille, and 58° at Malta; above 55° at most of the Mediterranean and Spanish coast stations. Lowest 20° at Uleaborg and Moscow, 21° at Kharkov, 13° at Archangel, and 17° at Nicolaieff; below the freezing point over the greater part of Russia. Daily maxima over England lower than of late; thermometer not exceeding 63° in London. Rising a little above 70° in many parts of France and Spain, and just touching that point at some of the Italian stations.

Wind W. or S.W. over the N. parts of the United Kingdom and northern Europe generally. Light or moderate in force in most places, but strong to a gale in the west of Norway. N. or N.E. over the south of our Islands, the W. and N. of France and the greater part of Spain and Italy. Variable or S.E. in Italy and Austria. Subsequently increasing to a moderate gale from the S.W. or W. in the extreme N. of Scotland; no important change occurring elsewhere.

Barometer highest 30.4 ins. to 30.5 ins. over the S. of Russia; 30.3 ins. and upwards in the S. of Ireland; 30.0 ins. and upwards in an anticyclone covering all but the most N. parts of our Islands and the Continent. Lowest 29.4 ins. and less in two depressions, one passing E. across the White Sea, the other approaching the N.W. of Norway; gradients rather steep over the N. parts of Russia and Scandinavia. Secondary disturbance appearing later off the north of Scotland, and gradients becoming rather steep over our extreme northern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 5TH APRIL

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.			
				Force (0 to 12).	Dir.		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).			Max.	Min.				
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).		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).								
		Inch.	°				Inch.	°	°	°						°	Inch.				
SCANDINAVIA.	Haparanda ...	25.80	24	2	0	b	25.82	+44	21	21	-5	NNE	2	b	*	26	19	—			
	Hernösand ...	25.10	23	2	0	b	25.15	+23	3	35	+3	2	0	*	40	24	—				
	Stockholm ...	25.05	26	NW	2	c	25.16	+18	3	33	+1	NW	2	0	*	42	32	—			
	Wisby ...	25.27	25	N	4	c	25.33	+13	34	38	+3	ESE	4	f	2	26	24	—			
	Bodö ...	25.27	25	N	4	c	25.33	+13	34	38	+3	ESE	4	f	2	26	24	—			
	Christiansund ...	25.16	44	NNE	8	7	25.27	+13	45	44	+8	NNE	5	c	5	45	37	0.01			
	Skudesnaes ...	25.21	44	NNE	2	0	25.32	+10	42	42	0	NNE	4	b	2	45	37	—			
	Christiania Fjord (Færd)	25.14	40	NNE	2	c	25.25	+12	38	37	-1	NNE	2	b	2	43	36	—			
	Skagen (The Scaw)	25.17	40	N	1	b	25.24	+12	42	38	+1	2	0	b	0	37	3	—			
	Fanö ...	25.25	40	NNE	4	0	25.24	+10	40	40	-2	NNE	4	0	*	—	37	—			
ISLANDS.	Sumburgh Head	25.26	46	N	2	b	25.23	+05	45	45	-1	NNE	1	c	3	53	40	—			
	Stornoway ...	25.21	50	N	4	b	25.12	-10	42	41	-4	1	—	—	b	52	32	—			
	Wick ...	25.27	43	S	1	b	25.17	-04	42	42	-3	1	0	b	1	53	36	—			
	Nairn ...	25.22	47	N	1	b	25.17	-04	40	39	-3	2	0	b	1	61	29	—			
	Aberdeen ...	25.25	45	NNE	2	b	25.24	-06	47	45	-1	NNE	2	b	2	54	36	—			
	Leith ...	25.26	48	NNE	1	b	25.23	-07	40	40	-1	NNE	1	f	2	53	38	—			
	Shields ...	25.27	47	E	1	b	25.25	-05	46	46	+1	1	1	b	2	54	40	—			
	Spurn Head ...	25.27	45	E	2	b	25.26	-05	47	46	0	E	2	b	3	55	42	—			
	York ...	25.27	57	NNE	1	b	25.28	-02	44	43	+3	E	1	b	*	65	34	—			
	Loughborough	25.25	53	NNE	2	b	25.26	-03	43	42	+7	ESE	2	b	*	65	31	—			
BRITISH ISLANDS.	Ardrossan ...	25.20	57	NNE	2	c	25.18	-11	53	46	+6	NNE	1	b	0	57	40	—			
	Malin Head ...	25.18	53	NNE	4	b	25.06	-20	53	44	+1	NNE	5	b	2	53	44	—			
	Mullaghmore ...	25.16	61	S	2	c	25.02	-20	53	47	+1	ESE	2	b	*	64	48	—			
	Behmullet ...	25.24	50	E	3	m	25.15	-12	47	46	+2	ESE	4	b	2	52	43	—			
	Donaghadee ...	25.24	50	E	3	m	25.15	-12	47	46	+2	ESE	4	b	2	52	43	—			
	Liverpool (Bidston)	25.23	53	NNE	2	b	25.22	-05	48	44	+5	ESE	2	b	2	64	41	—			
	Holyhead ...	25.15	53	E	1	b	25.13	-12	53	43	+5	2	0	b	0	56	43	—			
	Parsonstown ...	25.16	53	NNE	1	b	25.06	-23	53	46	+11	NNE	1	b	*	56	38	—			
	Valencia ...	25.13	63	E	3	b	25.00	-15	56	52	+2	ESE	2	b	4	64	50	—			
	Roche's Point	25.16	56	E	4	b	25.07	-13	51	48	+1	E	4	b	4	58	46	—			
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	25.15	57	NNE	2	b	25.05	-14	45	46	-1	E	3	b	3	53	45	—			
	Scilly ...	25.06	53	E	6	m	25.02	-07	51	48	-2	E	5	m	5	57	47	—			
	Prawle Point ...	25.14	52	NNE	1	0	25.10	-08	51	49	0	NNE	6	b	4	57	46	—			
	Jersey (St. Aubin's)	25.08	59	NNE	5	b	25.07	-04	56	55	+4	E	2	b	2	63	50	—			
	Hurst Castle ...	25.16	52	E	4	b	25.14	-15	53	48	+1	ESE	3	b	2	60	45	—			
	Dungeness ...	25.17	50	NNE	4	b	25.16	-04	53	48	0	E	5	b	4	53	43	—			
	North Foreland	25.20	46	NNE	2	b	25.20	-05	48	45	-4	E	3	f	3	58	44	—			
	London ...	25.22	62	NNE	2	b	25.21	-06	45	47	+2	E	3	c	*	62	44	—			
	Oxford ...	25.24	51	E	1	b	25.21	-07	45	47	+5	NNE	1	b	*	64	38	—			
	Cambridge ...	25.25	53	ESE	2	b	25.24	-06	45	47	+7	NNE	2	b	*	67	34	—			
FRANCE AND BELGIUM.	Yarmouth ...	25.28	47	NNE	3	b	25.26	-02	43	42	-3	E	3	b	3	53	37	—			
	Cuxhaven ...	25.28	40	NNE	3	b	25.29	+02	41	40	-5	N	2	b	*	46	33	—			
	Berlin ...	25.23	47	NNE	4	b	25.24	+06	39	38	-6	NNE	1	b	*	52	36	—			
	Wiesbaden ...	25.16	45	2	0	b	25.22	+02	35	47	+3	NNE	1	b	*	66	41	—			
	Munich ...	25.16	45	2	0	b	25.17	-01	41	39	+4	N	1	b	*	59	36	—			
	The Helder ...	25.24	48	NNE	2	b	25.24	00	43	43	-1	ESE	2	b	2	53	43	—			
	Brussels (Vaux)	25.15	48	ESE	4	b	25.23	-07	44	44	-2	NNE	1	f	0	65	43	—			
	Cape Gris Nez	25.15	48	ESE	4	b	25.14	-03	46	46	+1	E	1	b	0	53	43	—			
	Paris ...	25.08	67	ESE	3	b	25.13	00	46	42	-1	N	2	b	*	75	42	—			
	Brest ...	25.01	53	N	1	c	25.10	00	51	50	+1	E	1	c	4	72	48	—			
PENINSULA.	Lorient ...	25.01	57	S	2	b	25.01	00	51	48	-1	E	3	b	4	64	50	—			
	Rocheport ...	25.57	59	NNE	3	b	25.03	+04	53	49	+3	NNE	3	c	*	70	46	—			
	Belfort ...	25.57	59	NNE	3	b	25.03	+04	53	49	+3	NNE	3	c	*	70	46	—			
	Lyons ...	25.23	64	NNE	1	b	25.10	-01	45	43	0	ESE	1	b	*	72	43	—			
	Nice ...	25.05	53	NNE	1	b	25.03	-06	56	45	+4	E	2	b	1	63	48	—			
	Perpignan ...	25.06	56	NNE	2	b	25.07	-03	45	47	+2	NNE	2	0	*	63	42	—			
	Biarritz ...	25.32	61	NNE	3	c	25.03	+02	56	52	+1	N	4	0	3	70	52	—			
	Corunna ...	25.08	52	NNE	4	b	25.15	+10	57	52	+3	NNE	2	c	*	61	52	—			
	Lisbon ...	25.08	52	NNE	4	b	25.15	+10	57	52	+3	NNE	2	c	*	61	52	—			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 5th April, 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—

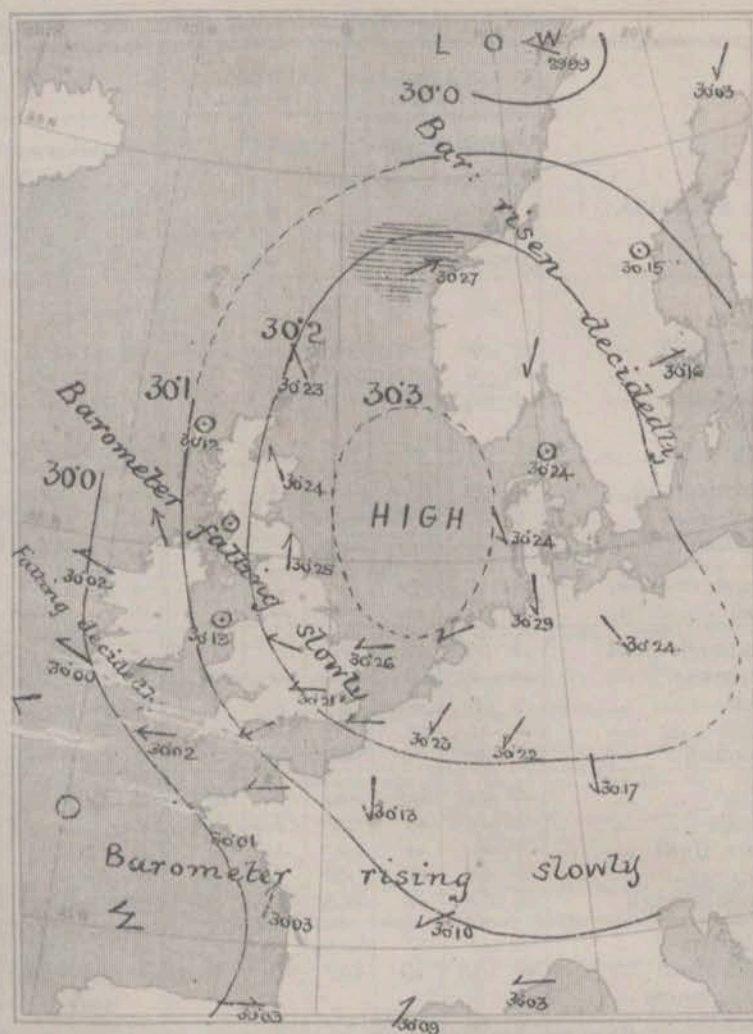
— Rough — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 25 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.867
Mullaghmore	29.860
Lion	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.864
Roche's Point	29.851
Pembroke	29.852
Scilly	29.856
Prawle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

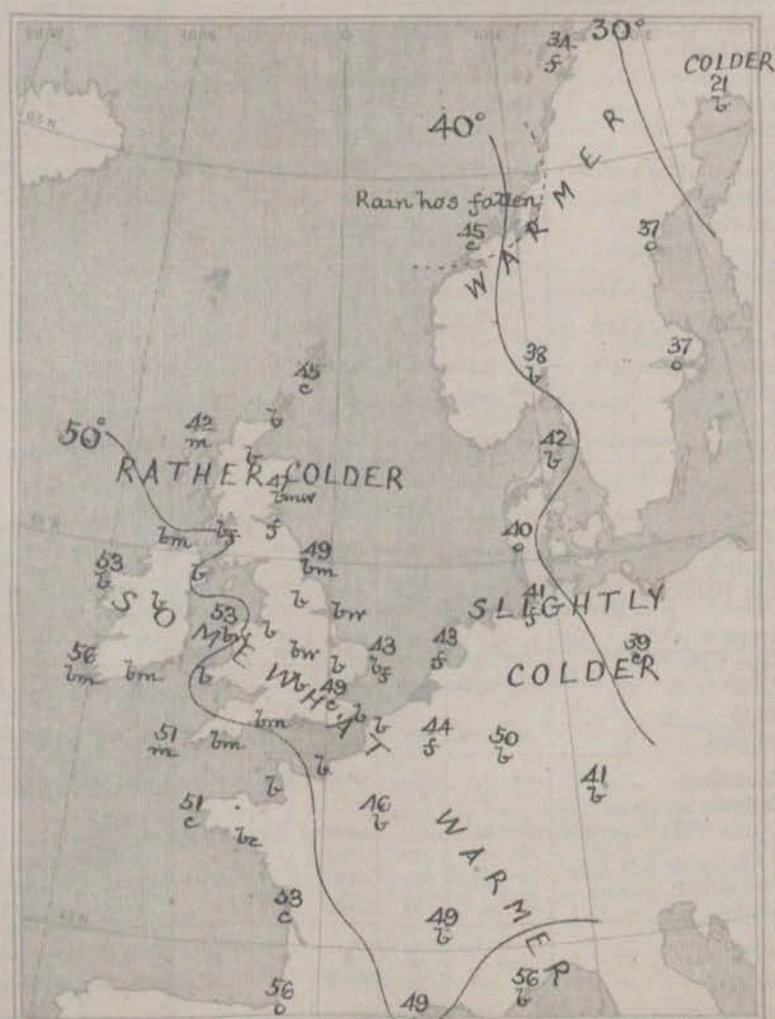
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 p.m.	
Sumburgh Head	46.0	35.7	41.7	40.2	2.07
Stornoway	48.2	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	48.0	38.6	43.5	41.4	1.89
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Doughadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.0	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	46.6	3.83
Roche's Point	53.2	42.1	46.0	44.3	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Scilly	52.1	44.7	45.8	46.0	2.27
Prawle Point	51.0	40.7	45.2	44.0	2.07
Jersey	54.2	43.5	45.6	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	55.0	39.7	46.1	43.3	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.6	37.5	45.2	43.0	1.69
Yarmouth	49.1	39.0	44.7	43.0	1.70

NOTE.—The Temperature means are for the 25 years 1871-90, the Rainfall means are mainly those for the 25 years 1861-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and more to 30.0 in. in a large anticyclone lying over the North Sea and all adjacent countries and extending as far west as Iceland. Lowest, Rather below 30.0 in. over the Bay of Biscay, off the west of Ireland and over Timmarch. Gradients moderate in the west and extreme north, slight elsewhere. Barometer still falling in our Islands, rising over Spain and the eastern shores of the North Sea.

TEMPERATURE

Highest, 57° at Lisbon, 56° at Biarritz, Jersey, and Valencia (Ireland), and 50° or more on most parts of our southern and western coasts. Lowest, 21° at Haparanda, 34° at Rode, 57° at Stockholm, and 40° at Skarv and Leth. The maxima recorded yesterday again exceeded 60° in many parts of Ireland and England, and touched 70° in the southwest of France, 72° at Lyons, and 75° at Paris.

WIND

Light from NW. and N. over Germany and the east of France, variable over the Bay of Biscay; fresh E. over the Channel and south of Ireland; SE. in the north of Ireland, light S. in Scotland, moderate SW. at Christianaund. A fresh gale from WSW. was felt at Christianaund last evening.

WEATHER

Cloudy over the northern parts of Scandinavia, over London, and also over the Spanish Peninsula, fine and bright elsewhere. Christianaund is the only station which reports a measurable amount of Rainfall, and there the quantity is only 0.08 inch.

SEA

Rather rough at the mouth of the Channel, moderate off the south of Ireland, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving steadily to the eastward, but there is no depression near our coasts at present.

FORECASTS

For the 24 hours ending at NOON on 6TH APRIL 1893.

DISTRICTS.

FORECASTS.

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

S^W and SW^W winds, freshening; fine to showery.
 { SE^W and S^W breezes; fine generally.
 Same as No 5
 Same as Nos 1 and 2.
 E^W winds, moderate inland, fresh or strong on coast; fair generally.

DISTRICTS.

FORECASTS.

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

Same as Nos 1 and 2.

{ E^W and SE^W winds, increasing; fine generally, but some rain later in far west

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.28	44	43	NE	2	cl	2	Valencia ...	30.15	67	59	E	5	bn	3
Sumburgh Head ...	30.28	45	47	WSW	2	cl	4	Scilly ...	30.06	56	56	E	5	bn	3
Stornoway ...	30.28	51	47	SW	4	b	4	Jersey ...	30.09	62	56	NE	4	bn	3
Aberdeen ...	30.29	52	46	NE	3	b	2	Hurst Castle ...	30.17	59	53	E	4	bn	3
Shields ...	30.28	50	48	E	2	b	2	Dungeness ...	30.18	52	48	ENE	5	b	4
Ardrossan ...	30.24	53	48	SW	2	b	2	North Foreland ...	30.26	53	47	ENE	5	b	3
Malin Head ...	30.23	50	47	SE	4	b	2	London ...	30.24	59	57	ENE	5	b	2
Mullaghmore ...								Yarmouth ...	30.29	45	46	NE	2	b	2
Belmullet ...	30.19	64	58	S	1	b	1	Rocheport ...	35.33	64	57	N	1	b	1
Holyhead ...	30.22	55	50	N	2	b	1								

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

Weather fine and bright over the greater part of our Islands and the Continent, but dull in many parts of Denmark, Russia, and north Germany with rain at Berlin and Lüneburg. Cloudy or overcast at several of the Spanish and Algerian stations, with rain at Oran and also at Biarritz. No important change occurring during day; weather remaining fine and dry in nearly all parts of Western Europe; rain ceasing at Biarritz, but commencing at Christianund in evening.

Temperatures changed slightly and irregularly. Morning readings highest 61° at Oran, 60° at Paris, 59° at several of the Mediterranean and Spanish coast stations; 50° to 54° in the extreme west and southwest of our Islands. Lowest 22° at Archangel, 29° at Uleaborg, Kuopio, and L. Rotherburg, 30° at Haparanda Hango, and Helsingfors; below 40° in many parts of northern, eastern, and central Europe, as well as over Central England. Rising during day to 60° or more in several parts of the United Kingdom, and reaching 67° at Bournemouth and Cambridge; exceeding 70° at some of the French stations.

Wind light from the SE^{wd} over Spain and the west of France, and moderate to fresh from the End or NEnd over the southern parts of our Islands. Variable over the central parts of the United Kingdom; light from the eastward on our northern coasts. Strong to a gale from the NWnd over Sweden and Finland; moderate from N. over Denmark and North Germany; light from W. over Poland and Eastern Germany and from SW in the south of Russia. End or NEnd over Italy and the south of France. Shifting later to the Nnd in the west of France; no important change occurring elsewhere.

Barometer highest 30.2 ins to 30.3 ins in an anticyclone covering our Islands and the North Sea, and extending southwards in the form of a narrow band across the Netherlands, Germany and Austria. Lowest 29.0 ins and less in a well-marked depression over northern Russia, 29.9 ins and less, in two shallow systems lying respectively over the southern part of the Bay of Biscay, and between Malta and the Tunisian coasts. Depression over the Bay of Biscay subsequently moving eastwards over France; slight fall of barometer taking place in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 6th April, 1893

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.						SHADE TEMP.			
	Reading at 5 P.M. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12)	Weather.		Reading at 5 P.M. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12)	Weather.	Sea (0 to 5).		Max.	Min.	Amount of Rainfall.	
	Inch.	°					Inch.	°	°	°	°						°	°	°	Inch.
SCANDINAVIA.	Haparanda ...	30.01	27	SW	2	0	29.99	-0.04	28	27	+ 7	2	0	0	6	0	36	12	-	
	Hernösand ...	30.21	43	2	0	0	30.23	+0.08	43	42	+ 8	W	2	6	6	0	48	25	-	
	Stockholm ...	30.21	42	2	0	0	30.28	+0.12	46	41	+ 9	2	0	6	6	0	50	80	-	
	Wisby ...																			
	Bodö ...	30.02	40	SW	8	1	30.07	+0.08	41	40	+ 7	SW	5	0	3	1	41	32	0.59	
	Christiansund ...	30.31	44	W	2	0	30.27	-0.04	39	37	- 6	E	1	m	3	0	46	36	-	
	Skudesnaes ...	30.30	45	W	4	0	30.33	+0.01	41	40	- 1	2	0	m	2	0	50	34	-	
	Christiania Fjord (Fjord)	30.22	41	SSW	2	0	30.33	+0.08	37	37	- 1	NNE	3	6	1	0	46	37	-	
	Skagen (The Sea)	30.28	41	2	0	0	30.32	+0.08	43	42	+ 1	W	1	6	0	0	52	37	-	
	Fanö ...	30.31	40	W	1	0	30.34	+0.10	41	41	+ 1	W	2	0	6	0	50	39	-	
BRITISH ISLANDS.	Sumburgh Head	30.15	44	SE	3	0	30.15	-0.08	46	45	+ 1	S	1	6	4	0	49	42	-	
	Sornoway ...	30.03	55	S	2	m	30.18	+0.06	50	49	+ 8	SW	2	m	3	0	59	40	0.02	
	Wick ...	30.08	50	S	1	0	30.16	-0.01	45	43	+ 2	2	0	6	0	0	55	36	-	
	Nairn ...	30.06	52	2	0	0	30.17	-0.00	50	47	+ 10	SSW	1	6	0	0	59	38	-	
	Aberdeen ...	30.20	46	S	3	0	30.23	-0.01	41	40	- 6	S	2	cm	2	0	51	39	-	
	Leith ...	30.13	49	2	0	0	30.22	-0.01	46	44	+ 6	E	1	6	6	0	55	37	-	
	Shields ...	30.20	44	SE	4	0	30.25	0.00	42	41	- 7	SE	3	6	2	0	51	38	-	
	Spurn Head ...	30.22	42	ESE	4	0	30.26	0.00	40	40	- 7	ESE	3	6	3	0	47	38	-	
	York ...	30.21	53	SE	1	0	30.27	-0.01	37	37	- 7	E	1	6	0	0	65	36	-	
	Loughborough	30.16	65	SE	2	0	30.26	0.00	38	38	- 5	E	1	6	0	0	69	36	-	
GERMANY & HOLLAND.	Ardrossan ...	30.08	58	2	0	0	30.18	0.00	52	49	+ 2	NE	1	6	1	0	63	48	-	
	Malin Head ...	29.98	60	SE	5	0	30.18	+0.12	48	48	- 2	NE	2	6	1	0	63	48	-	
	Mullaghmore ...																			
	Belmullet ...	29.98	53	SW	4	0	30.22	+0.20	50	45	- 3	NNE	4	0	0	0	67	47	-	
	Donaghadee ...	30.09	52	E	3	0	30.19	0.00	47	46	- 0	E	3	6	1	0	55	46	-	
	Liverpool (Bidston)	30.11	63	SE	2	0	30.19	-0.03	42	41	- 6	ESE	3	0	3	0	66	41	-	
	Holyhead ...	30.06	63	SE	1	0	30.12	-0.01	59	55	+ 6	2	0	6	0	0	69	48	-	
	Parsonstown ...	30.01	60	2	0	0	30.15	+0.09	47	47	- 6	2	0	6	0	0	65	43	-	
	Valencia ...	30.04	55	4	0	0	30.16	+0.16	53	51	- 3	E	1	6	2	0	63	48	-	
	Roche's Point	30.05	52	ESE	3	0	30.12	+0.03	51	50	- 0	N	3	m	3	0	55	48	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.05	54	SE	2	0	30.10	+0.01	51	49	+ 2	E	4	6	3	0	57	48	-	
	Scilly ...	30.04	51	SE	2	0	30.04	+0.02	51	50	- 0	NNE	2	6	4	0	55	48	-	
	Prawle Point ...	30.06	51	NE	5	0	30.10	0.00	51	49	- 0	NNE	6	6	4	0	56	45	-	
	Jersey (St. Aubin's)	30.02	63	ESE	2	0	30.08	+0.01	56	52	- 0	E	1	6	1	0	69	46	-	
	Hurst Castle ...	30.00	57	E	3	0	30.13	-0.01	50	48	- 0	E	4	6	2	0	61	46	-	
	Dungeness ...	30.11	49	E	6	m	30.16	0.00	49	47	- 1	E	4	6	3	0	51	46	-	
	North Foreland	30.16	45	E	2	f	30.18	-0.02	48	46	+ 3	E	3	6	3	0	48	43	-	
	London ...	30.18	46	ESE	3	0	30.20	-0.01	45	44	- 4	E	3	6	0	0	54	43	-	
	Oxford ...	30.17	51	E	2	0	30.21	0.00	43	43	- 6	NE	2	0	0	0	66	42	-	
	Cambridge ...	30.24	56	E	1	0	30.25	+0.01	43	42	- 6	NE	1	0	0	0	70	37	-	
GERMANY & HOLLAND.	Yarmouth ...	30.24	43	E	4	f	30.25	-0.01	42	41	- 1	E	3	6	3	0	46	39	0.01	
	Cuxhaven ...	30.29	40	N	3	0	30.35	+0.06	37	36	- 4	ESE	2	6	0	0	46	38	-	
	Berlin ...	30.25	51	NNE	3	0	30.34	+0.10	45	41	+ 6	W	1	6	0	0	55	39	-	
	Wiesbaden ...						30.28	+0.06	50	42	- 0	NE	2	6	0	0	64	45	-	
	Munich ...	30.17					30.26	+0.08	41	38	- 0	E	6	6	0	0	57	30	-	
	The Helder ...	30.31	43	E	4	0	30.32	-0.02	42	41	- 1	E	1	6	2	0	46	41	-	
	Brussels (9 a.m.)						30.21	-0.02	53	46	+ 9	ESE	2	6	0	0	60	40	-	
	Cape Gris Nez	30.12	51	E	2	0	30.12	-0.02	45	44	- 1	E	2	m	2	0	54	43	-	
	Paris ...	30.06	67	NNE	2	0	30.13	0.00	50	45	+ 4	NE	2	6	0	0	74	45	-	
	Brest ...		57	N	1	0			51	50	- 0	WSW	1	6	1	0	64	48	0.08	
FRANCE AND BELGIUM.	Lorient ...	30.03	57	N	1	0	30.08	+0.07	51	50	- 0	SW	3	6	2	0	64	50	-	
	Rochefort ...	30.02	59	WSW	3	0	30.07	+0.04	53	53	- 0	NW	3	6	0	0	77	52	-	
	Belfort ...																			
	Lyons ...	30.00	63	N	1	0	30.04	-0.06	51	45	+ 2	N	1	6	0	0	70	49	-	
	Nice ...	29.96	55	SW	1	0	29.94	-0.09	57	46	+ 1	E	4	6	0	0	68	50	-	
	Perpignan ...	30.02	58	N	2	0	30.01	-0.08	59	51	+ 10	NW	4	6	0	0	66	47	-	
	Biarritz ...	30.04	57	N	1	0	30.10	+0.07	54	51	- 2	2	0	6	3	0	63	50	-	
	Corunna ...																			
	Lisbon ...	30.15	55	NW	4	0	30.04	-1.11	56	52	- 1	2	0	6	0	0	64	50	-	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 6th April, 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 backs 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:

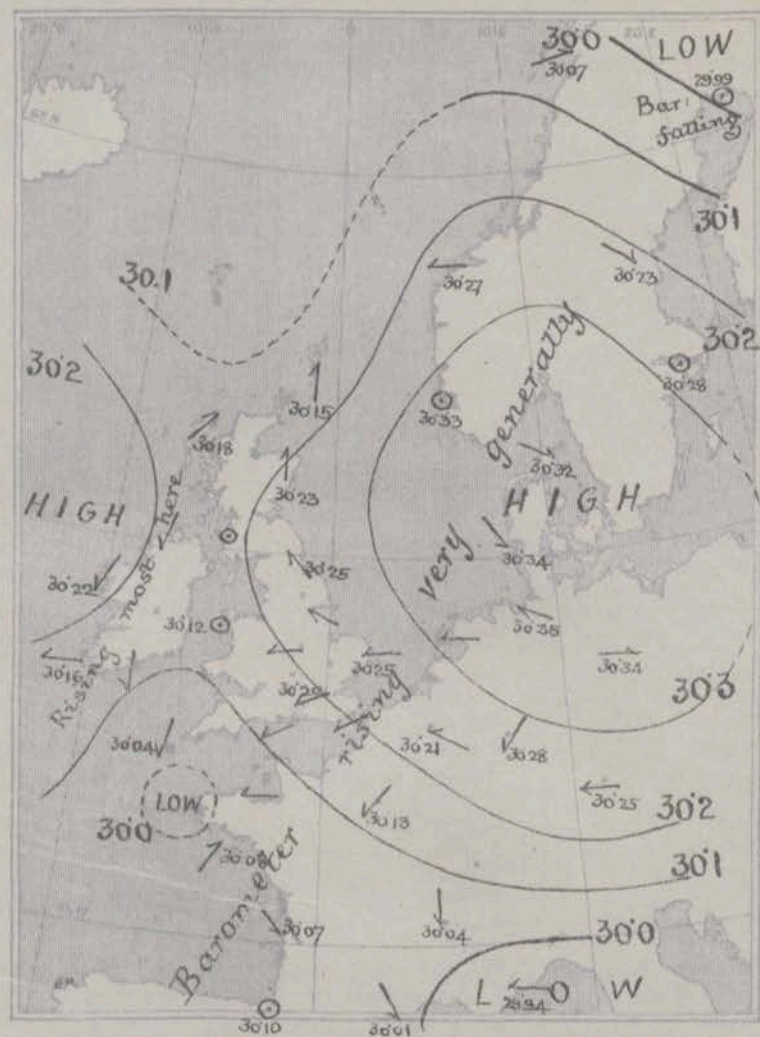
— Rough — High.

MEAN HEIGHT OF THE BAROMETER.

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Sornoway	29.824
Wick	29.848
Nairn	29.846
Aberdeen	29.838
Leith	29.863
Shields	29.868
Spurn Head	29.863
York	29.870
Loughborough	29.879
Andromeda	29.887
Mullaghmore	29.889
Donaghadee	29.899
Holyhead	29.867
Liverpool	29.887
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Scilly	29.866
Praslin Point	29.876
Jersey	29.873
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

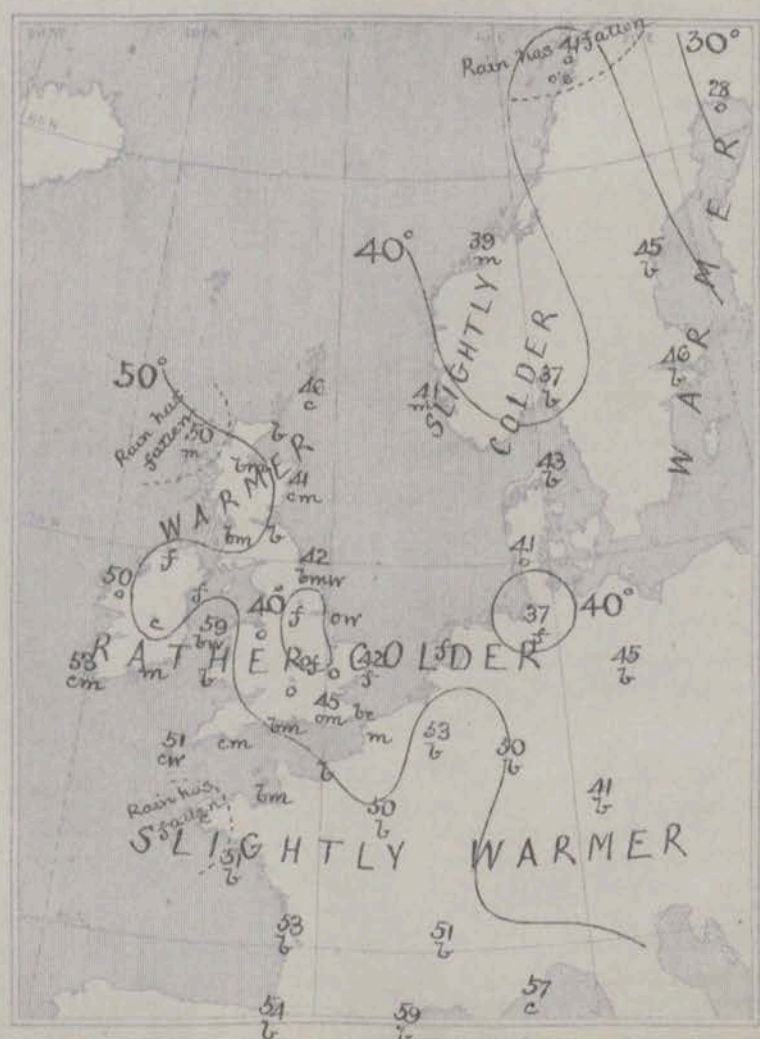
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	46.0	26.2	41.7	40.2	2.07
Sornoway	48.0	27.2	43.8	42.3	2.66
Wick	48.0	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.0	38.0	43.2	40.7	2.18
Leith	52.0	37.0	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	42.1	1.78
Andromeda	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.2	43.0	2.93
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.2	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.5	38.0	45.0	42.5	2.04
Valencia	53.9	43.8	48.2	45.6	3.33
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.8	1.94
Scilly	49.1	44.7	45.5	46.6	2.27
Praslin Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.0	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.9	1.77
LONDON	50.0	39.7	46.1	43.2	1.94
Oxford	54.0	38.9	44.4	43.1	1.78
Cambridge	55.8	37.0	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.3 in; and more to 30.2 in; in a large anticyclone covering the eastern part of our area, and having its central part over the eastern shores of the North Sea and Western Rulhies (2) 30.2 in; and more in a new system beginning to spread over our western districts from the Atlantic. Lowest, about 30.1 in; in the neighbourhood of the Irish Islands, 30.0 in; at the mouth of the Channel, and slightly lower both at Linton and over the eastern parts of Scotland.

Gradients moderate to slight.

Barometer rising except in the far north, the rise is more decided in the west than elsewhere.

TEMPERATURE

Highest (1) 57° to 59° in the south of France, 56° at Linton and at Jersey (2) 55° at Holyhead, 50° to 51° at some Scotch stations, and 50° to 51° in the south and west of Ireland.

Lowest, 28° at Haparanda, 39° at Christiansund, 40° to 41° along our northeast and east coasts.

The variations in the maxima recorded yesterday were striking. Highest readings some 63° to 65° in the west of Ireland, 63° at Loughborough and Holyhead, and 70° at Cambridge, but only 55° at Donaghadee; 45° at the North Foreland, 46° at Yarmouth, 47° at Spennithorne. In all the latter districts fog prevailed, and the wind was from the seaward.

WIND

Very variable; fresh E^{ly} to NE^{ly} over the Channel and south of England, but light W^{ly} over the Bay of Biscay;

Light SE^{ly} on our northeast coasts, and S^{ly} in Scotland, but N^{ly} in Ireland; very light and variable over the North Sea;

Strong E^{ly} at Munich.

WEATHER

Fair and dry in most places, but the amount of cloud is very variable, and haze and fog prevail in many parts of our Islands. Over France the sky is clear and bright.

A good deal of rain has fallen at Bodo, and a little at Lonsdale and Brest. At Yarmouth the fog deposited a little water in the rain-gauge.

SEA

Moderate at Limerick Hd. and at the mouth of the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of dry weather is probable, with cold foggy nights, but bright days.

FORECASTS

For the 24 hours ending at NOON on 7th APRIL

1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH

Varying airs, finally N^{ly}; fine.
Cold tonight.

1 SCOTLAND EAST

2 ENGLAND N.E.

SE^{ly} airs and fine weather, followed by light N^{ly} breezes and hazy weather.

3 ENGLAND EAST

Same as No. 5.

4 MIDLAND COUNTIES

Same as No. 2.

5 ENGLAND SOUTH

Wind backing N^{ly} with dry weather.
Probably very cold tonight.

DISTRICTS.

FORECASTS.

6 SCOTLAND WEST

N^{ly} breezes, light or moderate;
fine, hazy.

7 ENGLAND N.W.

8 ENGLAND S.W.

Same as No. 5.

9 IRELAND NORTH

Very light winds—mainly N^{ly};
fine, hazy, colder.

10 IRELAND SOUTH

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	P.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudeanaes ...	30.31	50	45	drw	4	bc	2	Valencia ...	80.01	63	58	S	4	bc	4
Sumburgh Head ...	30.19	47	46	SSE	3	b	4	Scilly ...	80.03	54	52	E	5	m	4
Stornoway ...	30.06	52	51	S	2	m	3	Jersey ...	80.05	66	59	ESE	2	b	2
Aberdeen ...	30.20	50	46	SSE	3	bm	3	Hurst Castle ...	30.11	60	53	ESE	3	bm	3
Shields ...	30.23	48	46	ESE	4	b	3	Dungeness ...	30.14	48	47	E	6	f	5
Ardrossan ...	30.12	61	52	SSW	1	b	0	North Foreland ...	30.17	45	45	E	3	f	0
Main Head ...	30.02	63	52	SSE	4	b	1	London (Westminster) ...	30.19	52	49	E	3	bm	#
Mullaghmore ...								Yarmouth ...	30.26	45	43	E	4	f	4
Belmullet ...	29.95	57	55	ESE	3	b	#	Rochefort ...	80.02	70	62	drw	3	b	#
Holyhead ...	80.09	62	56	Z	0	b	0								

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

Weather still fine and bright over our Islands and a considerable portion of the Continent, but with fog in some parts of Great Britain, as well as over the Netherlands and North Germany. Dull at some of the German and Austrian stations, and also in Spain and Algeria. A little rain falling later at Stornoway and Brest, and a larger quantity at Bodo, but weather remaining fair and dry in all other parts of Western Europe.

Temperature risen in Ireland and England, as well as in Spain and the south of France, but fallen in most other localities. Morning readings highest 61° at Bilbao, and 60° at Barcelona, San Fernando, Oren, and Algiers; above 55° over the greater part of the Mediterranean, and above 50° at several of our own western and southern stations. Lowest 3° at Archangel, 17° at Ulabof, 21° at Kuopio, 26° at Kango and 28° at Moscow. Daily maxima over our Islands varying greatly in different places; thermometer exceeding 65° in many parts of Ireland and England, and reaching 70° at Cambridge, but not rising above 57° in London, and remaining below 50° on our east and southeast coasts. Exceeding 70° at some of the French stations and reaching 77° at Rochefort.

Wind light to moderate from the End or SEnd over Ireland and England, and from the Snd in Scotland. Light from N. or NW. in Denmark, Germany, Russia, and the south of Scandinavia. Variable in Spain, Algeria, and the south of France, and northern Italy. Nth or NWth over the southern parts of Italy. No important change occurring during day.

Barometer highest 30.3 ins and upwards over the North Sea; 30.0 ins and upwards in an anticyclone covering all but the most eastern and southern part of Europe. Lowest 29.7 ins and less over central and northern Russia. Light fall of barometer taking place in most parts of Western Europe during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on

Friday, 7th April,

1893

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

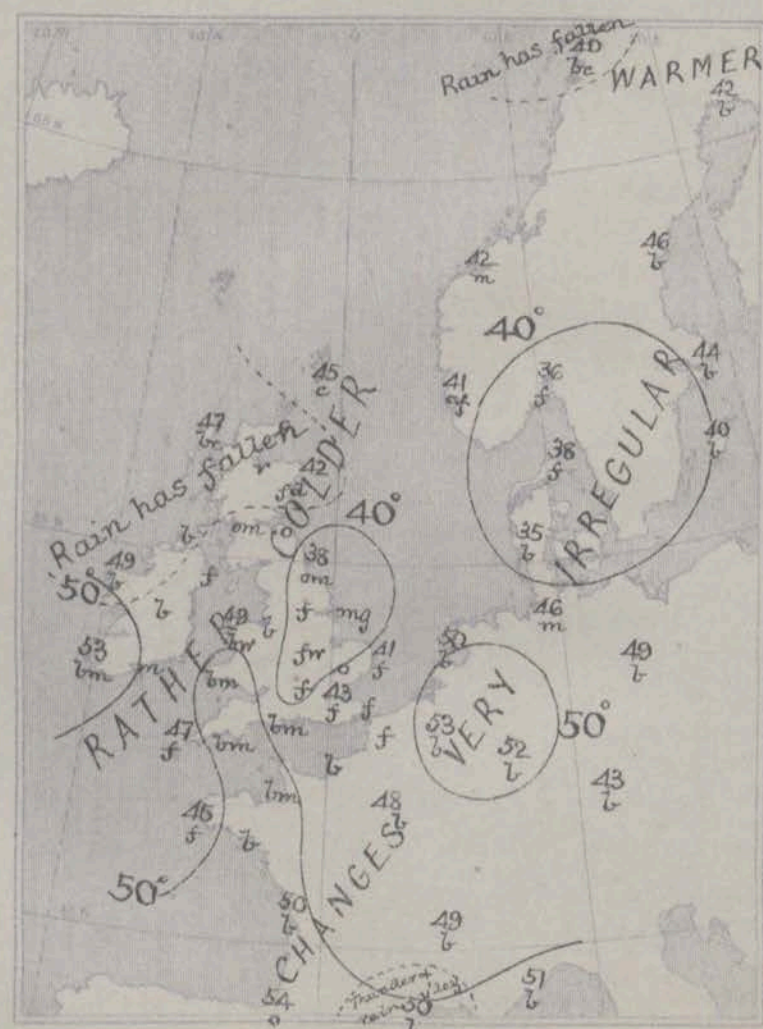
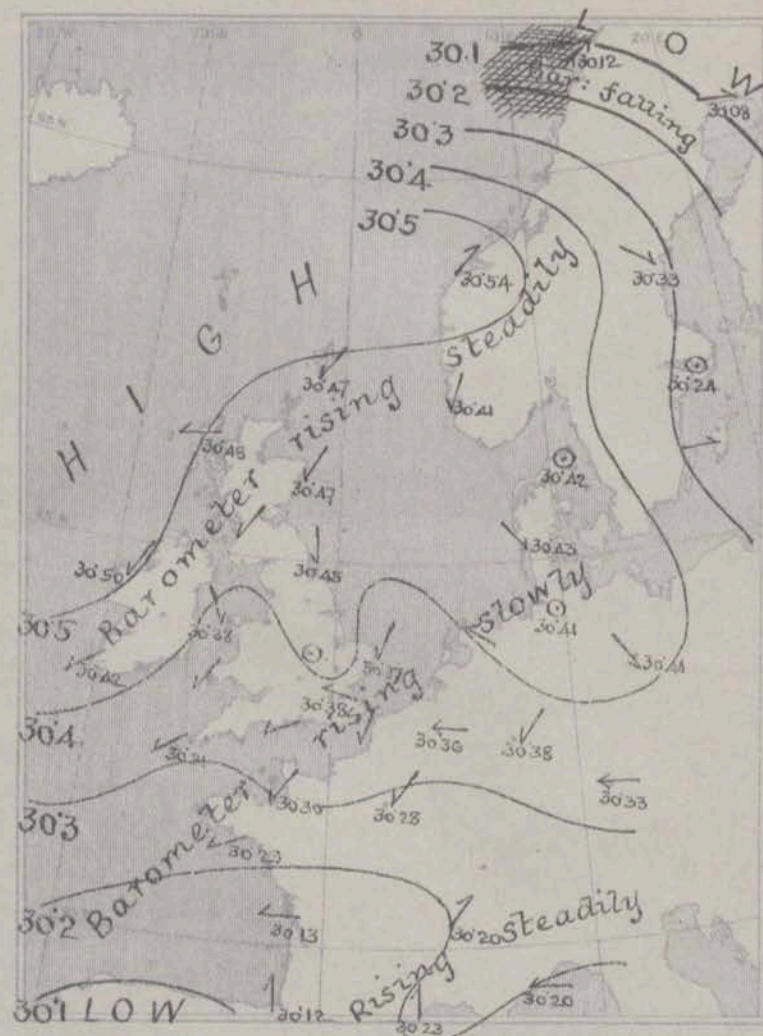
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom. Reading at 32° F. and Sea Level.	TEMP. Dry Bulb.	WIND.			Weather.	Barom. Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	SHADE TEMP.			WIND.			Sea (0 to 3).	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).	Weather.	Max.			Min.			
Ins.	°	Dir.	Force (0 to 12).		Ins.	°	°	°	°	°	°	°	°	°	°	°	°	Ins.		
SCANDINAVIA.																				
Haparanda ...	30.10	39	W	4	bc	30.08	+0.9	42	40	+1.4	W	2	bc	#	bc	42	18			
Hernösand ...	30.26	41	W	0	b	30.23	+1.0	46	41	+1	W	2	b	#	b	63	32			
Stockholm ...	30.27	48	W	2	b	30.34	+0.6	44	40	-2	W	0	b	#	b	55	34			
Wishy ...	30.31	40	NNW	4	b	30.34		40	38		W	4	b	#	b	48	36			
Bodö ...	30.12	42	SSW	7	o	30.12	+0.5	40	37	-1	SW	9	bc	#	o	45	27	0.01		
Christiansund ...	30.35	47	WSW	2	o	30.34	+1.7	42	41	+3	SW	1	m	#	o	54	39			
Skudesnaes ...	30.39	44	W	0	b	30.41	+0.8	41	40	0	NNE	1	of	#	b	52	36			
Christiania Fjord (Farther)	30.34	42	WSW	2	b	30.41	+0.8	36	36	-1	SE	1	f	#	b	46	36			
Skagen (The Seaw)	30.36	39	NNW	1	f	30.43	+1.0	38	38	-5	W	0	f	0	f	48	32			
Fanö ...	30.37	38	NNW	1	f	30.43	+0.9	35	35	-6	NNW	2	f	#	f	45	34			
BRITISH ISLANDS.																				
Sumburgh Head	30.34	49	NE	1	o	30.47	+1.2	45	44	-1	NE	1	c	3	c.o	52	44			
Stornoway ...	30.32	49	NE	3	o	30.48	+1.0	47	46	-3	E	4	bc	#	o	53	38	0.04		
Wick ...	30.35	51	S	1	o	30.45	+1.2	46	45	+1	N	1	o	0	o	57	44	0.03		
Nairn ...	30.31	49	E	2	o	30.46	+1.2	45	45	-5	W	0	f	1	o	60	44	0.32		
Aberdeen ...	30.32	40	SSE	1	f	30.47	+1.2	42	42	+1	NE	1	o.f	1	b.m.f	52	39	0.02		
Leith ...	30.25	44	E	1	b	30.45	+1.3	41	40	-5	E	1	o	#	b	50	38			
Shields ...	30.28	39	ESE	2	om	30.45	+1.0	38	38	-4	N	2	om	3	c.m.f	49	36			
Spurn Head ...	30.27	40	ESE	2	o	30.40	+1.4	39	38	-1	ENE	2	o.g.m	2	o	42	37			
York ...	30.27	53	E	1	b	30.43	+1.6	34	34	-3	E	1	o	#	b	60	34			
Loughborough	30.24	59	ESE	1	b	30.42	+1.6	39	39	+1	W	0	o.f	0	b	63	34			
ISLANDS.																				
Acrossan ...	30.29	55	WNW	2	b	30.44	+1.0	41	41	-11	NE	1	om	0	b	58	39			
Malin Head ...	30.28	47	N	4	o	30.44	+1.6	47	46	-1	NNW	2	b	2	o.f	50	45			
Mullaghmore ...																				
Belmullet ...	30.34	50	NNE	3	b	30.50	+1.8	49	45	-1	NNE	2	b	#	o.b	51	45	0.02		
Donaghadee ...	30.24	51	NE	3	c	30.44	+1.5	45	45	-2	NE	4	f	2	c	54	45			
BRITISH ISLANDS.																				
Liverpool (Biston)	30.22	50	SE	2	b	30.40	+1.1	49	46	+7	W	0	b	0	b	60	42			
Holyhead ...	30.20	52	W	0	c	30.38	+1.6	49	48	-10	NNW	1	b.w	1	b.c	61	44			
Parsonstown ...	30.24	57	W	0	b	30.44	+1.2	44	43	-3	W	0	b	#	b	58	39			
Valencia ...	30.25	55	NE	4	b.c.m	30.42	+1.6	53	51	0	ENE	3	b.m	#	c.m.b.c.m	59	44			
Roche's Point	30.20	57	NNW	1	bc	30.41	+1.9	50	49	-1	N	2	m	2	bc	58	45			
GERMANY & HOLLAND.																				
Pembroke (St. Ann's Hd.)	30.20	54	E	1	m	30.36	+1.6	52	50	+1	NE	1	b.m.w	2	b.m	55	46			
Scilly ...	30.18	52	NE	2	c	30.31	+1.7	49	46	-4	ENE	2	f	#	c	55	46			
Prawle Point ...	30.19	49	NE	1	b	30.32	+1.2	57	55	+6	NE	4	b.m	3	b.m	58	46			
Jersey (St. Aubin's)	30.16	58	NW	3	b.m	30.30	+1.2	57	51	+1	NE	2	b.m	2	b.b.m	61	50			
Hurst Castle ...	30.20	57	ESE	2	b.m	30.35	+1.2	49	46	-1	ENE	2	b.m	1	b.m	61	44			
FRANCE AND BELGIUM.																				
Dungeness ...	30.19	51	ENE	3	m	30.38	+1.7	47	45	-2	NNE	2	b.w	2	m	52	37			
North Foreland	30.22	43	N	4	f	30.37	+1.9	43	43	-5	N	3	f	4	f	48	40			
London ...	30.25	46	NE	2	b.m	30.38	+1.8	43	41	-2	ESE	1	f	#	b.m,om	57	39			
Oxford ...	30.26	52	E	1	b	30.40	+1.9	38	37	-5	NE	1	o	#	b	63	35			
Cambridge ...	30.25	56	NE	1	b	30.42	+1.7	40	40	-3	NNW	1	o	#	b	69	36			
Yarmouth ...	30.28	42	E	3	f	30.37	+1.2	41	41	-1	NNW	3	f	3	b.c.f	44	38	0.01		
GERMANY & HOLLAND.																				
Cuxhaven ...	30.37	44	N	3	b	30.44	+0.6	46	44	+9	W	0	m	#	b	51	37			
Berlin ...	30.34	53	NE	1	b	30.41	+0.7	49	44	+4	NW	2	b	#	b	61	45			
Wiesbaden ...						30.38	+1.0	52	46	+2	NE	3	b	#	#	61	45			
Munich ...	30.27	44	E	4	b	30.39	+0.8	49	40	+2	E	5	b	#	b	54	32			
The Helder ...	30.34	47	ENE	2	b	30.45	+1.3	50	48	+8	ESE	1	b	1	b	50	41			
FRANCE AND BELGIUM.																				
Brussels (2 a.m.)						30.36	+1.5	53	45	0	E	2	b	#	b	67	44			
Cape Gris Nez	30.16	48	NE	3	m	30.28	+1.6	45	45	0	E	2	f	2	m	52	41			
Paris ...	30.13	65	E	2	b	30.28	+1.5	48	43	-2	NE	2	b	#	b	73	41			
Brest ...		58	NNW	2	b	?	?	45	45	-6	N	2	f	3	b	63	?			
Lorient ...	30.15	56	W	3	b	30.22	+1.4	52	48	+1	ENE	4	b	4	b	64	50			
FRANCE AND BELGIUM.																				
Rochefort ...	30.08	56	NNW	4	b	30.13	+0.6	50	47	-3	E	3	b	#	b	63	46			
Belfort ...																				
Lyons ...	30.03	63	NW	1	b	30.20	+1.6	49	44	-2	SW	1	b	#	b	69	42			
Nice ...	30.10	55	SW	1	bc	30.20	+1.6	51	44	-6	E	1	b	0	bc	63	46			
Perpignan ...	30.12	58	W	2	t	30.23	+1.2	50	48	-9	S	2	b	#	t	74	43	0.05		
Biarritz ...	30.02	58	N	4	b	30.12	+0.2	54	52	0	S	3	o	2	b	61	50			
PENINSULA.																				
Corunna ...																				
Lisbon ...	29.91	59	S	2	bc	29.96	-0.8	59	57	+3	ESE	3	o	#	#	66	54			

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, 7th April. 1893.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in. and more over the extreme northwest of Ireland, the west of Norway, and adjacent parts of the Atlantic, and extending 30 in. all over our Islands and the North Sea.
 Lowest, below 30.0 in. over the southwestern parts of the Spanish Peninsula.
 Gradients slight—mainly favourable for NE winds, but very irregular over the northern and northwestern parts of Great Britain.
 Barometer still rising generally.

TEMPERATURE

Highest, 53° at Lisbon, 51° at Jersey and Prussia Point; 50° to 54° in the south and southwest of France, 50° to 53° in the south of Ireland.
 Lowest, 34° at York, 38° at Shields and Oxford, 39° at Loughborough.
 The maxima recorded over Great Britain yesterday varied from 60° to 63° in many regions, but those over Ireland were less high. Over France they ranged from 60° to 74°.

WIND

Light over the whole of our Islands and their neighbourhood. Chiefly NE^{ly} or N^{ly} in direction but varying a good deal over the northern half of the Kingdom. Over Lapland and the northern parts of Sweden and Norway the wind is W^{ly} to SW^{ly}, and is blowing a strong gale at Bodø.

WEATHER

Still fine over Germany, France, England, and Ireland, but foggy or hazy at several of the English and south Irish stations. Over many of the northern parts of Scotland, however, it has become rainy; Kilm report a measurement of 0.32 in.; Aberdeen, Wick, and Portoway have a few hundredths each, as well as Bodø, and Rismullett. Yarmouth reports 0.01 in. from wet fog. A thunderstorm has occurred at Perpignan.

SEA

High at Bodø, moderate at several northern and southern stations, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any general change of weather; the causes of the rain in Scotland seem to be local.

FORECASTS

For the 24 hours ending at NOON on 8th April

1893.

DISTRICTS.

FORECASTS.

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

Variable airs, weather unsettled, some rain.

NE^{ly} winds, light; fine generally, fog or haze at times.

DISTRICTS.

FORECASTS.

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

NE^{ly} breezes, light or moderate; 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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.51	51	45	W.W.	4	b.m.	2	Valencia ...	30.22	56	51	N	3	c.m.	1+
Sambrugh Head ...	30.25	50	49	W.W.	1	c	4	Scilly ...	30.19	51	51	E	4	c	1+
Stornoway ...	30.27	53	49	NE	3	0	3	Jersey ...	30.15	58	53	W.W.	3	b	3
Aberdeen ...	30.23	47	45	SE	2	b.m.	2	Hurst Castle ...	30.15	60	58	E	3	b.m.	2
Shields ...	30.27	43	42	E	3	c.m.	3	Dungeness ...	30.21	51	49	E	3	m	2
Ardrossan ...	30.18	56	52	W.W.	3	b	2	North Foreland ...	30.21	45	45	E	4	f	0
Malin Head ...	30.13	49	46	N	3	0	2	London (Victoria) ...	30.23	51	50	NE	2	b.m.	3
Mullaghnore ...	30.28	49	49	NE	3	0	3	Yarmouth ...	30.22	44	43	E	3	b.c.f.	3
Balmullet ...	30.28	49	49	NE	3	0	3	Rochefort ...	30.10	60	57	W.W.	4	b	3
Holyhead ...	30.16	51	51	W.W.	1	b	1								

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

Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull and foggy over Central England as well as in the north of Ireland. Bull clear at most of the Russian stations, as well as over Italy. Rain falling later in the north of Scotland and also at Balmullet, and a thunderstorm with rain occurring at Perpignan; weather remaining fine and dry in all other parts of Western Europe.

Temperatures changed very irregularly. Morning readings highest (1) 65° at Barcelona, 61° at Algiers, 60° at Bilbao, and 59° at Perpignan; (2) 53° at Holyhead, 56° at Jersey, and 53° at Valencia Island; a little above 50° at several of our own southern, western, and northern stations, but below 40° over Central England. Lowest 22° at St. Petersburg, 25° at Archangel and Moscow, and 28° at Havana and Mexico, below the freezing point in most parts of Russia. Rising later to 60° at Skew, and to between 60° and 63° at many of the English stations, exceeding 70° in some parts of France.

Wind light to moderate from the End or NEnd over Ireland, England, the Netherlands, and Western Germany; calm or Sth in Scotland. Variable in Scandinavia, but SWth in Finland, and NWth or Nth over Denmark, Western Germany, Austria, and the central and southern parts of Russia and Italy. Variable over France, Spain and Algeria. No important change occurring later, but light Nth and NWth breezes settling in along the west coast of France.

Barometer highest 30.22 in. to 30.35 in. in a large anticyclone lying over Scandinavia, Denmark, Germany, the Netherlands, and the eastern part of Great Britain, 30.2 in. and upwards, in a new system appearing to the westward of our Islands. Lowest 29.9 in. and less, over the Kola Peninsula. The two anticyclones subsequently becoming united, and barometer rising in most parts of Western Europe. Shallow depression appearing off Portuguese coast in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 8th April,

1893

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

PAST 24 HOURS.																
THIS MORNING. (See note at bottom of last page.)																
YESTERDAY EVENING. (See note at bottom of last page.)																
STATIONS.																
BAROMETER.																
SHADE TEMP.																
WIND.																
SEA.																
WEATHER.																
MAX. MIN. AMOUNT OF RAINFALL.																
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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 Saturday, 8th April 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

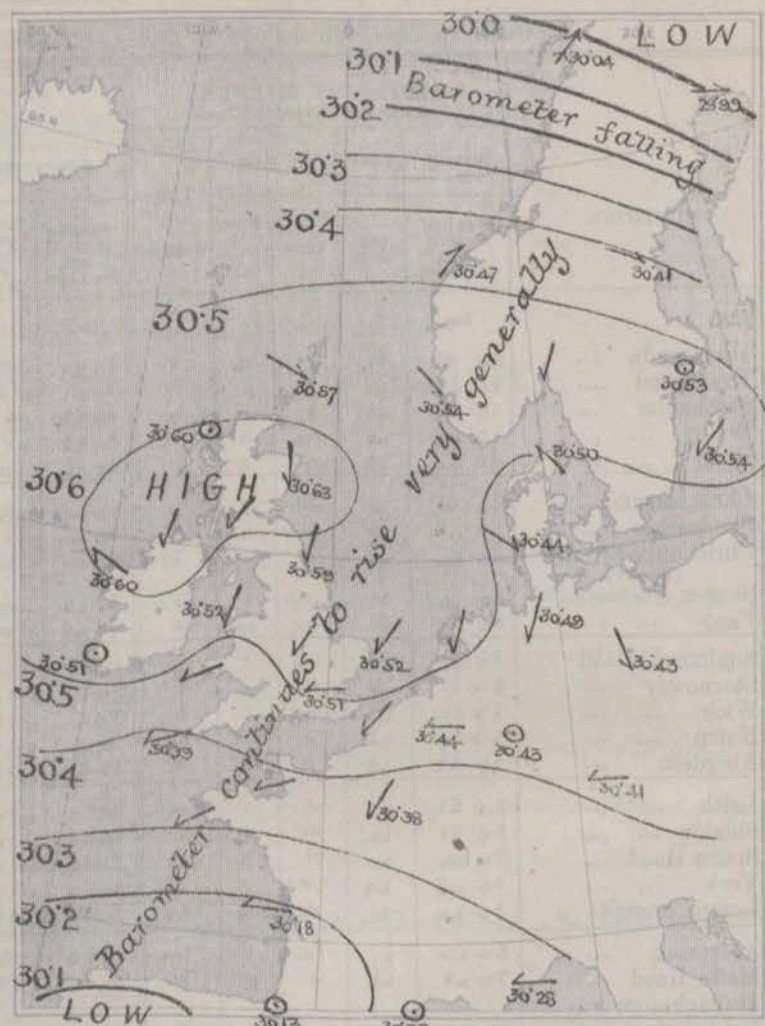
SEA DISTURBANCE—Where considerable, is shown thus

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER.

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mallaigmore	29.839
Douaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roch's Point	29.851
Pembroke	29.852
Silly	29.866
Prasels Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.879



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.

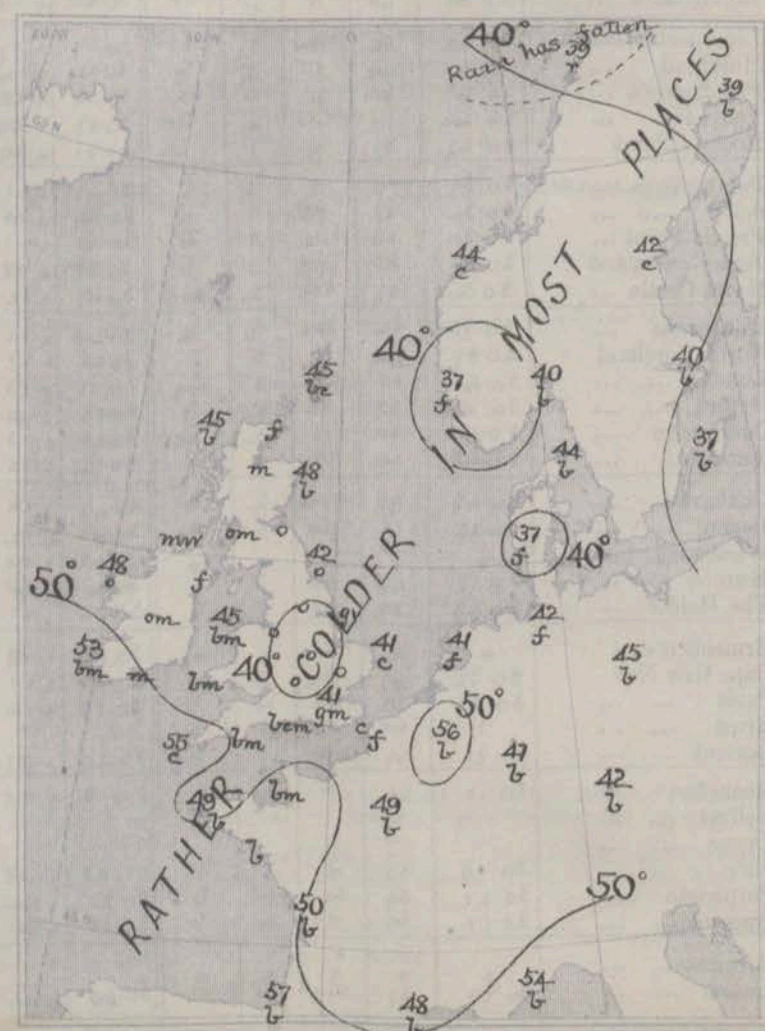
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	Wind.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.02
Stornoway	45.9	37.2	43.8	42.3	2.65
Wick	48.0	38.9	43.1	41.2	1.68
Nairn	50.6	37.3	42.7	40.4	1.28
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.6	41.4	1.89
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mallaigmore	51.9	42.3	45.3	43.0	2.05
Douaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.0	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.6	2.04
Valencia	53.0	42.8	48.2	46.6	3.83
Roch's Point	53.7	42.1	46.8	44.3	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Silly	52.1	44.5	46.6	46.6	2.27
Prasels Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	40.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.0	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	42.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	56.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

NOTE.—The Temperature means are for the 20 years 1872-90, 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 over Scotland and the north of Ireland, and exceeding 30.4 in: over the whole of the British Islands, the North Sea, and coasts neighbouring.
 Lowest, 30.0 in: and less over Lapland and the Kola Peninsula, as well as in the extreme south-east of Spain.
 Gradients moderate over the north of Scandinavia, slight over France, very slight over Germany, the North Sea, and our islands.
 Barometer rising generally, but falling a little in the north of Scandinavia.

TEMPERATURE

Highest 57° at Linton and Birmmth, 56° at Newcastle, 55° at Selly, 54° at Jersey, and 53° at Valencia (Ireland).
 Lowest, 37° at Kilskenals, 36° at Loughborough, 35° at Oxford, 40° at York and Wick.
 The maximum recorded yesterday exceeded 60° over the southern half of England (68° in London), and ranged between 70° and 77° in many parts of France; at Ghent and Spain ^{H₀} however, the maxima were only 42°, at Yarmouth 44°, at the North Foreland 46°.

WIND

SW¹ to W¹ over the north of Scandinavia, and still blowing hard at Rost. Calm over Scotland and Ireland.
 Light N¹ to NE¹ over England, fresh NE¹ in the English Channel, moderate E¹ over the Bay of Biscay.

WEATHER

Dull and rainy in the north of Norway, fine generally over the British Islands, France, and Germany, with fog or haze at times at many of our own stations.
 A few hundredths of an inch of rain have fallen ^{at 6.00} and a larger quantity at Linton, but over our area as a whole the weather has remained very dry.

SEA

Moderate on our south and southeast coasts, slight or smooth everywhere else in our neighbourhood.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southwesterly wind in the far north seems likely to extend to Scotland before long, but there is no indication of any important change in the weather over England, Ireland or France at present.

FORECASTS

For the 24 hours ending at NOON on 9th April, 1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

W² winds; fine to showery.

1 SCOTLAND
EAST

Variable airs; fine generally, warmer.

2 ENGLAND
N.E.

Same as N° 4.

3 ENGLAND
EAST

Same as N° 5.

4 MIDLAND
COUNTIES

N² breezes, light; fine, very cold at night, hazy or foggy at times

5 ENGLAND
SOUTH

NE² breezes, moderate to fresh; fine, very cold at night.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as N° 0

7 ENGLAND
N.W.

Same as N° 4.

8 ENGLAND
S.W.

Same as N° 5.

9 IRELAND
NORTH

10 IRELAND
SOUTH

} NE² and variable airs; fine generally, hazy. Very cold inland at night.

WARNINGS

None issued.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards S. 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 ...	30.46	55	48	MSW	2	bc	2	Valencia ...	30.43	59	55	NE	4	cm	4
Sumburgh Head ...	30.50	47	44	NE	1	o	3	Scilly ...	30.32	59	53	NE	3	sm	4
Stornoway ...	30.50	50	47	NE	4	b	4	Jersey ...	30.30	65	57	EHE	3	b	3
Aberdeen ...	30.51	47	45	N	1	o	1	Hurst Castle ...	30.34	63	56	ESE	3	bm	1
Shields ...	30.49	42	40	EHE	2	o	3	Dungeness ...	30.33	57	53	EHE	3	b	2
Ardrossan ...	30.45	59	55	NE	1	b	0	North Foreland ...	30.39	44	44	N	2	cl	4
Malin Head ...	30.48	50	49	NW	2	c	2	London (St. Vincent) ...	30.37	66	57	EHE	2	cl	3
Mullaghmore ...								Yarmouth ...	30.40	44	43	N	3	cl	3
Belmullet ...	30.52	51	48	N	3	o	1	Rocheport ...	30.14	69	64	WNW	2	cl	1
Holyhead ...	30.41	52	50	N	1	bm	1								

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

Weather in morning foggy or hazy in most parts of Ireland and England, and dull in Scotland, with rain at Kairi and Aberdeen. Fine and bright over Sweden, Denmark, and nearly the whole of Central and southern Europe; foggy in the south of Norway, dull at most of the Russian stations, with snow at Moscow and Odessa. Sfy clearing later in nearly all parts of the United Kingdom, and weather remaining dry over Western Europe generally. Heavy rain (1.6 in.) falling at Lisbon.

Temperature changed rather irregularly, but fallen in most countries. Morning readings highest 62° at Garmma, Barcelona, and Algiers, and 60° at Barcelona; above 55° over the greater part of the Mediterranean, as well as on the coasts of Spain and at one or two of the English Channel stations. Lowest 25° at Moscow, 28° at Archangel, and 30° at Kiev, Kharkov, and Hermannstadt; below 40° over the English midland and northern countries, and as low as 34° at York. Rising during day to between 65° and 68° over the south of England, but remaining below 45° on the east coast. Exceeding 70° at several of the French stations, and reaching 77° at Rochefort.

Wind light to moderate from the End or NE^{ad} over the greater part of our Islands, France, Western Germany, and Spain. SW¹ or W¹ in the north of Scandinavia, with a strong gale at Bodö, light and variable over Finland and the south of Scandinavia, N³ or NW² over Denmark, Eastern Germany, and Austria. Varying between E. and S. in Algeria. No important change occurring during day.

Barometer highest 30.5 in. and upwards, in a large area lying to the northward and northward of our Islands; 30.2 in. and upwards in an anticyclone covering all but the extreme northern, southern, and south-western parts of Europe. Lowest 29.8 in. and less, in a depression over the Black Sea, 30.0 in. and less, in shallow systems lying respectively over the extreme north of Russia, and off the south-west of Spain. No change occurring 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.

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 9th April,

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.		Force (0 to 12).	Weather.	Barometer.		Shade Temp.			Wind.		Force (0 to 12).	Weather.	Sea (0 to 8).	Shade Temp.		
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Max.	Min.	Amount of Rainfall.									
Ins.	°		Ins.	°		°						Ins.								
SCANDINAVIA.	Haparanda ...	29.94	39	WSW	8	b	30.02	+0.3	38	37	-	1	NW	2	c	#	b	45	28	-
	Hernösand ...	30.36	45	NNW	3	c	30.33	-0.8	42	37	-	0	S	2	c	#	c	52	32	-
	Stockholm ...	30.40	47	SW	2	b	30.43	-1.0	45	41	+	5	Z	0	b	#	b	54	37	-
	Wisby ...	30.47	42	N	4	b	30.44	-0.9	34	38	+	2	W	4	c	#	b	45	28	-
	Bodö ...	30.06	34	WSW	6	o	29.88	-1.6	36	35	-	3	S	2	#	1	o	41	34	0.12
	Christiansund...	30.50	45	WSW	8	f	30.25	-0.22	50	47	+	6	SW	8	o	5	f	50	44	0.04
	Skudesnaes ...	30.36	43	NNW	4	b	30.52	-0.2	41	41	+	4	NNW	2	f	2	b	54	37	-
	Christiania Fjord (Fjord)	30.48	42	SW	1	m	30.43	-0.7	37	37	-	3	Z	0	b	1	m	46	37	-
	Skagen (The Scaw)	30.49	40	Z	0	b	30.45	-0.5	43	41	-	1	WSW	1	b	0	b	54	39	-
	Fanö ...	30.52	42	NW	3	b	30.52	+0.4	43	42	+	6	NW	2	b	#	b	57	36	-
BRITISH ISLANDS.	Sumburgh Head	30.57	44	WNW	2	f	30.54	-0.18	45	44	-	0	SW	3	b	3	f	51	38	-
	Stornoway ...	30.57	48	Z	0	b	30.42	-0.18	48	46	+	3	Z	0	b	2	b	49	32	-
	Wick ...	30.57	40	E	1	f	30.43	-0.18	44	42	+	4	Z	0	b	0	f	48	34	-
	Nairn ...	30.57	48	E	1	f	30.45	-0.16	42	41	-	1	Z	0	b	0	f	54	30	0.01
	Aberdeen ...	30.63	40	ENE	1	f	30.51	-0.12	45	42	-	3	SE	1	b	1	f	51	40	-
	Leith ...	30.60	44	ENE	1	b	30.49	-0.13	40	39	-	4	E	2	b	#	b	51	36	-
	Shields ...	30.57	44	NNE	3	o	30.51	-0.08	41	39	-	1	Z	0	o	2	o	45	39	-
	Spurn Head ...	30.51	41	NE	3	ogv	30.49	-0.05	40	39	-	2	E	2	og	2	o	43	38	-
	York ...	30.55	46	NE	1	o	30.51	-0.09	41	39	+	1	E	1	o	#	o	49	39	-
	Loughborough	30.51	46	NE	3	b	30.50	-0.07	40	39	+	2	NE	2	om	#	b	54	38	-
GERMANY & HOLLAND.	Ardrossan ...	30.54	53	NE	2	b	30.46	-0.14	44	41	-	1	NE	1	b	0	b	55	36	-
	Malin Head ...	30.56	47	NE	1	b	30.44	-0.15	46	43	-	1	SSE	2	b	2	f	49	41	-
	Mullaghmore ...	30.54	50	NNE	3	b	30.44	-0.16	49	46	+	1	ENE	1	b	#	b	53	39	-
	Belmullet ...	30.55	49	NNE	2	b	30.48	-0.12	43	42	-	2	E	4	c	2	b	50	42	-
	Donaghadee ...	30.55	49	NNE	2	b	30.48	-0.12	43	42	-	2	E	4	c	2	b	50	42	-
	Liverpool (Bidston)	30.53	50	ENE	3	b	30.48	-0.09	43	39	+	3	SE	2	b	1	b	53	37	-
	Holyhead ...	30.48	47	NE	4	b	30.41	-0.11	44	42	-	1	E	2	b	2	b	50	37	-
	Parsonstown ...	30.51	52	NE	1	o	30.40	-0.16	43	42	+	1	NE	1	b	#	o	54	38	-
	Valencia ...	30.44	61	S	3	b	30.37	-0.14	46	45	-	7	Z	0	b	3	b	67	40	-
	Roche's Point	30.46	52	SE	3	m	30.36	-0.15	48	46	-	2	E	2	m	3	m	66	42	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.41	47	S	1	m	30.39	-0.08	44	42	-	3	ENE	2	c	2	m	51	40	-
	Scilly ...	30.36	52	ENE	3	c	30.36	-0.13	49	47	-	6	E	5	m	4	c	58	47	-
	Prawle Point ...	30.36	53	NE	5	b	30.32	-0.11	43	42	-	7	ENE	5	cm	4	b	57	42	-
	Jersey (St. Aubin's)	30.29	57	NE	4	b	30.28	-0.10	52	49	-	2	ENE	5	cm	4	b	61	46	-
	Hurst Castle ...	30.38	55	NE	2	m	30.37	-0.10	45	43	+	1	NE	4	b	2	m	60	41	-
	Dungeness ...	30.38	45	NE	5	b	30.36	-0.08	44	43	-	1	ENE	5	om	3	b	51	42	-
	North Foreland	30.44	42	NE	4	og	30.42	-0.06	43	43	+	2	NE	4	fr	4	og	43	40	-
	London ...	30.46	48	ENE	2	b	30.45	-0.06	41	39	0	ENE	3	o	#	b	54	39	-	
	Oxford ...	30.48	42	NE	2	b	30.46	-0.08	38	38	-	1	NE	1	o	#	b	55	38	-
	Cambridge ...	30.48	49	NNE	2	b	30.48	-0.07	41	39	-	1	NE	1	o	#	b	62	38	-
PENINSULA.	Yarmouth ...	30.48	42	NNE	3	c	30.47	-0.05	41	40	0	NE	4	c	4	c	43	37	-	
	Cuxhaven ...	30.48	43	N	3	b	30.52	+0.3	43	41	+	1	E	2	b	#	b	51	42	-
	Berlin ...	30.41	52	NNE	4	b	30.48	+0.5	44	39	-	1	NE	3	b	#	b	63	41	-
	Wiesbaden ...	30.34	51	E	4	o	30.38	-0.05	54	52	+	7	Z	0	b	#	#	68	43	-
	Munich ...	30.34	51	E	4	o	30.39	-0.02	46	42	+	4	E	4	b	#	o	59	36	-
	The Helder ...	30.51	42	NE	4	c	30.52	-0.04	44	43	+	3	E	1	f	2	c	45	41	-
	Brussels (v.a.m.)	*	*	*	*	*	30.41	-0.3	43	43	-	13	ENE	3	b	#	b	66	38	-
	Cape Gris Nez	30.36	44	NE	4	m	30.33	-0.6	44	44	0	ENE	4	f	4	m	45	43	-	
	Paris ...	30.27	66	NE	3	b	30.29	-0.9	49	45	0	NNE	2	b	#	b	74	44	-	
	Brest ...	30.27	59	NE	4	b	30.29	-0.9	49	45	0	NNE	2	b	#	b	74	44	-	
FRANCE AND BELGIUM.	Lorient ...	30.22	66	Z	0	b	30.15	-0.14	50	47	-	2	ENE	4	b	2	b	73	39	-
	Rochefort ...	30.40	55	NNW	3	b	30.09	-0.9	51	49	+	1	ESE	3	b	#	b	85	46	-
	Belfort ...	?	60	E	2	b	?	?	50	47	0	E	2	b	#	b	65	41	-	
	Lyons ...	30.20	62	N	1	b	30.18	-0.02	50	43	0	N	1	b	#	b	70	47	-	
	Nice ...	30.18	55	SW	1	b	30.13	-0.15	56	47	+	2	Z	0	b	#	b	66	46	-
	Perpignan ...	30.19	60	SE	1	b	30.12	-0.16	50	47	+	2	SW	1	b	#	b	67	43	-
	Biarritz ...	30.09	62	N	4	b	30.05	-0.08	57	49	0	SE	3	b	#	b	68	48	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.96	61	SSE	2	o	29.93	-0.7	58	54	+	1	ESE	3	o	#	o	63	55	-

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 9 April

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—

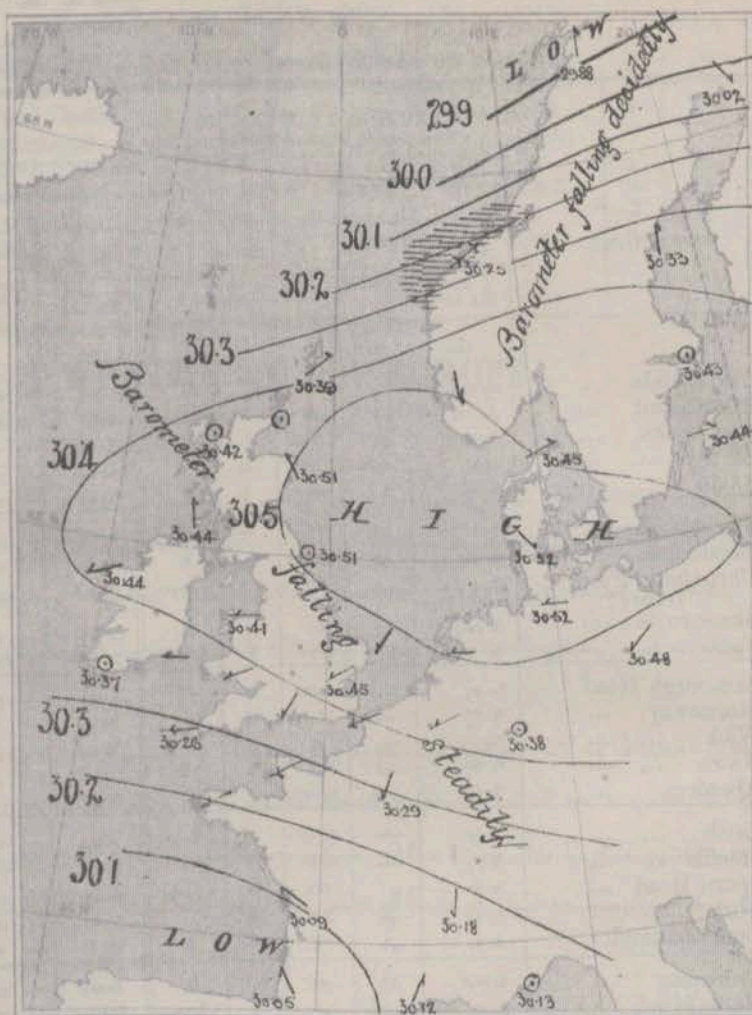
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER.

at 80 a.m. for the month of April.

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumbargh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Dunghadise	29.889
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Rocha's Point	29.851
Pembroke	29.852
Silly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.854
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

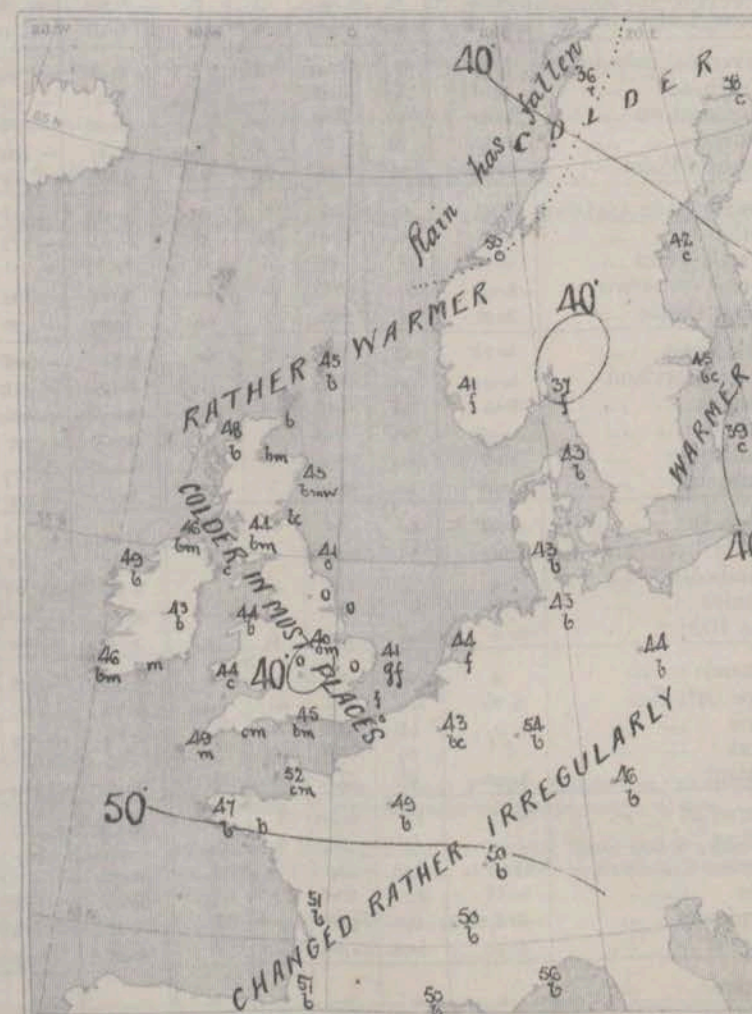
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Smoburgh Head	46.0	30.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.9	35.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.6	41.4	1.89
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.0	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.1	42.1	1.78
Ardrossan	51.5	39.3	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Dunghadise	61.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.35
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Rocha's Point	53.7	42.1	46.8	44.3	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Silly	52.1	44.7	48.6	46.0	2.27
Prawle Point	51.9	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.8	44.2	1.83
Dover	51.1	41.5	46.5	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.5	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins. and more to 30.2 ins., in a large anticyclone covering the British Islands, the North Sea, the Baltic, and Germany.
Lowest, 29.5 ins. and less, over the northwest of Russia; 30.0 ins. and less, over Portugal and the west of Spain.

Gradients very slight over the British Isles, the North Sea, and Denmark; moderate over the more southern countries, rather steep over northern Europe.
Barometer falling almost everywhere—rather decidedly at the most northern and the more southern countries, rising a little over Germany and Denmark.

TEMPERATURE

Highest, 58° at Lisbon, 57° at Riga, 51° at Rochefort, 50° at Christianund, but below 50° on our own coasts.
Lowest, 36° at Oslo, 37° at Bander, 40° at Leth, Garmouth, and York.

The maxima recorded yesterday exceeded 60° at Jersey, and the south of Ireland, and ranged between 40° and 45° over Central France.

WIND

SW to S over the Shetlands and northwest of Norway, and blowing hard at Christianund; Calm over Scotland; E to NE over Ireland, England, and the Channel (light in the north, fresh in the south), and E over Germany, France, and the Bay of Biscay.

WEATHER

Dull and rainy in the northwest of Norway, and temporarily dull over the greater part of England, fine and bright elsewhere.
The rainfall reported is confined to the most northern stations.

SEA

Rather rough at Christianund, moderate over the western parts of the Channel and at Yarmouth, slight or smooth on our other coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

FORECASTS.

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

None issued.

DISTRICTS.

FORECASTS.

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

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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudeenæs ...	30.56	53	44	NNW	6	b	2	Valencia ...	30.47	65	60	ENE	4	bm	3
Sumburgh Head ...	30.58	50	48	WNW	2	b	3	Scilly ...	30.38	56	50	ENE	4	c	4
Stornoway ...	30.61	45	44	SW	2	c	3	Jersey ...	30.36	61	54	NE	5	b	4
Aberdeen ...	30.63	48	45	E	2	b	3	Hurst Castle ...	30.42	80	52	NE	3	bm	2
Shields ...	30.59	45	43	N	3	0	3	Dungeness ...	30.41	60	48	NE	4	bc	3
Ardrossan ...	30.58	53	48	NE	2	b	1	North Foreland ...	30.48	43	42	NNE	4	bc	5
Malin Head ...	30.54	49	47	ESE	2	0	2	London ...	30.46	50	50	NE	2	bc	0
Mullaghmore ...								Yarmouth ...	30.52	43	42	NNE	3	c	3
Belmullet ...	30.52	59	50	NNE	2	b	3	Rochefort ...	30.19	73	71	E	2	b	0
Holyhead ...	30.51	48	46	NNE	4	bm	2								

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

Weather fine and bright over the greater part of Western, Central, and southern Europe, but foggy on the eastern and southern shores of the North Sea, and dull over the northern and central parts of England and Ireland. Cloudy or overcast at most of the Norwegian, Russian, and Austrian stations, with rain at Oslo, and with snow at Kharlov and Odessa. A little rain falling during day in the west of Norway, but weather remaining fair and dry in nearly all other parts of Europe.

Temperature changed little and irregularly. Morning readings highest 67° at Bilbao, 63° at Barcelona, and 60° at San Fernando and Algiers; above 55° at several of the Mediterranean and Spanish coast stations, and above 50° in the extreme southwest of our Islands. Lowest 26° at Moscow, 29° at Hermannstadt, and 30° at St. Petersburg and Kiev; below 40° at the Russian and Austrian stations generally, as well as over Central England. Rising during day to 60° and upwards at several of our own southern stations, and reaching 67° at Valencia (Ireland), but remaining below 45° on our east coast. Reading 65° in Italy and exceeding 70° in many parts of France and Spain, the highest reading of all being 81° at Rochefort.

Wind NE (E to N) over the greater part of England, Ireland, France, Spain, and Italy; light in force generally, but moderate to fresh over the Channel and Bay of Biscay. SW in the west of Norway, with a gale at Oslo; light from the W or NW over the northern part of Russia, N or NW over Germany and Austria. Strong winds or gales from the W setting in later over the northern part of Russia and Scandinavia generally; no important change occurring elsewhere.

Barometer highest 30.6 ins. and upwards over Scotland and the north of Ireland; 30.4 ins. and upwards over Central Russia; 30.2 ins. and upwards, in an anticyclone covering all but the extreme northern, southern, and southwestern parts of Europe. Lowest, 29.9 ins. and less, in a depression passing eastwards across the White Sea, and also in another disturbance lying over the extreme south of Russia; 30.0 ins. and less, in a shallow system lying to the southward of Spain. Depression over northern Russia subsequently becoming deeper, no change occurring over Western Europe.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM APRIL 2nd TO 9th 1893.

During this week the weather has remained exceedingly fine over Germany, France, England, and Ireland, and on most occasions has been fine over Scotland also, but rain has fallen almost daily in some part of Norway, and has occasionally extended to the Scotch stations as well. The wind has been mainly NE to E over the southern part of our area, and mainly SW to W in the far north, but frequently calm or nearly so at the Scotch stations. Temperature has been high during the day, rather low at night; and an anticyclone distribution of pressure has prevailed except during a brief interval on the 6th, when a complete condition prevailed both over Scotland and Brittany, as one anticyclone was passing off towards Europe, and another advancing from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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, 10th April,

1893

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

Issued by the Meteorological Office, 55, Victoria Street, London. H. H. SCOTT, Secretary.																				
STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.			SHADE TEMP.		Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	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.	Dir.	Force (0 to 12).	Weather.	Sea (0 to 5).	Weather.	Max.			Min.	

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 10th April 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.

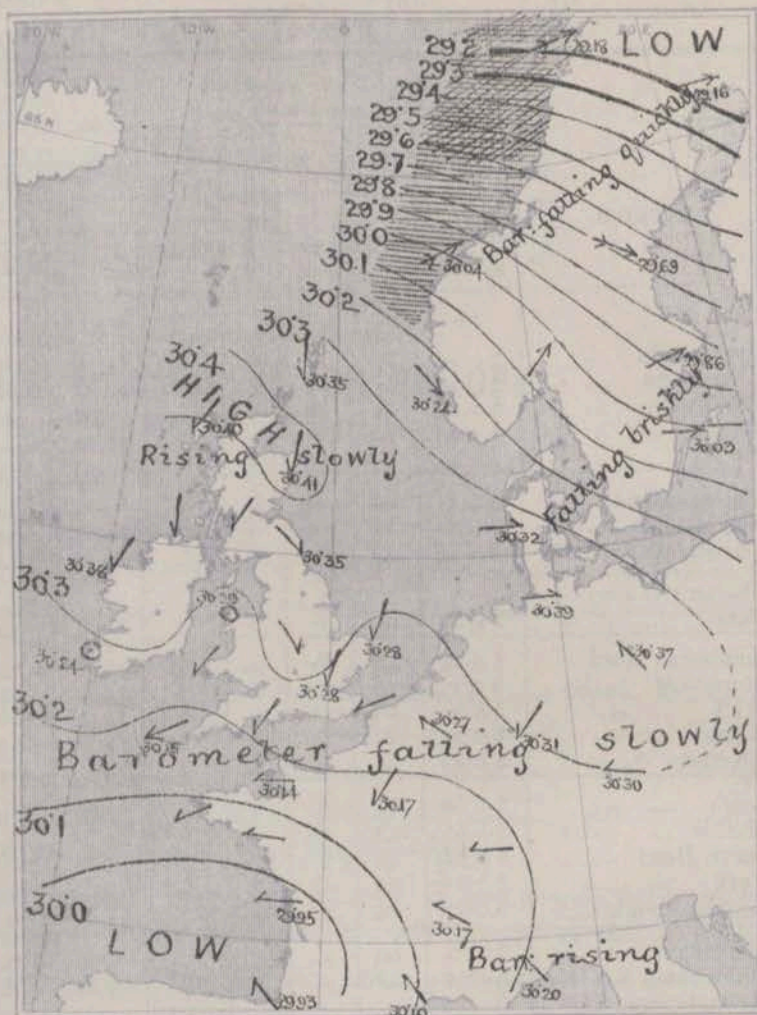
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough, — High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Androsan	29.867
Mullaghmore	29.839
Donaghadee	29.869
Holyhead	29.867
Liverpool	29.867
Paranstown	29.864
Valencia	29.864
Roche's Point	29.851
Pembroke	29.851
Silly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.874
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	46.0	36.7	41.7	40.2	2.07
Stornoway	48.0	37.2	43.8	42.3	2.65
Wick	48.0	36.9	43.1	41.2	1.68
Nairn	50.0	37.3	43.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith.....	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.6	41.4	1.89
Spurn Head.....	49.1	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Androsan	51.8	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee.....	51.0	40.0	44.6	42.9	1.92
Holyhead.....	51.4	42.0	45.8	43.8	1.90
Liverpool.....	52.0	40.4	45.0	42.1	1.55
Paranstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke.....	55.4	41.9	45.2	43.4	1.94
Silly	52.1	44.7	48.6	46.0	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.6	45.9	2.08
Hurst Castle	52.1	41.0	45.8	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	55.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.6	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and more to 30.7 in. in complex anticyclone covering the British Islands, the North Sea, and Germany.
Lowest, 29.2 in. and less, over Lapland, and 29.9 in. and less, over Portugal and the southwest of Spain.
Gradients steep over the northern half of Scandinavia, slight over our Islands and their neighbourhood.
Barometer begun to rise again in Scotland, but still falling elsewhere.

TEMPERATURE

Highest, 59° at Lisbon, 58° at Biarritz, 56° at Jersey, 54° at Valence (Ireland), 51° at Westbaden.
Lowest, 32° to 33° at the stations in Lapland, 34° at York, 37° at Loughborough and Oxford, 42° at Barmston.

It is much lower over the northeast of England and northeast of Norway than at 8 am yesterday, but the changes elsewhere are irregular.

WIND

Blowing a gale from WSW. on the west coast of Norway; light and variable from between N. and E. over Scotland, from NNE in the north of Ireland, and from NW. on our northeast coasts; Calm over the southern half of Ireland, moderate to fresh from ENE in the Channel, and from E. over the Bay of Biscay; light from SE. in the south of France.

WEATHER

Dull and unsettled at the northern stations, with snow at Christiansund, rain in some parts of Scotland, foggy on the northeast coast of England, fine generally elsewhere — and in most places bright.
 A decided fall of rain has occurred in Norway, a little over Scotland.

SEA

High off the northwest coast of Norway, slight or smooth in most other places, but moderate at Ponta Point.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change of weather is indicated for our Islands at present.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

Varying N^{ly} winds; unsettled, some rain at times.
 NE^{ly} winds, light; foggy to fair. Cold at night.
 Same as No 5
 Same as No 2.
 NE^{ly} winds, moderate; fine.



DISTRICTS.

FORECASTS.

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

NE^{ly} winds, light; fine.
 Same as No 5
 N^{ly} and NE^{ly} breezes, light; fine.
 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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.47	45	42	W	4	f	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.32	60	48	Sw	9	b	3	Jersey ...	30.24	56	52	E.N.E.	5	b	4
Aberdeen ...								Hurst Castle ...	30.30	52	49	E.N.E.	5	b	3
Shields ...								Dungeness ...	30.34	45	44	N.E.	4	f	4
Ardrossan ...								North Foreland ...							
Malin Head ...	30.39	49	47	SE	4	b	3	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.38	56	51	N	2	b	1	Rocheport ...	30.04	68	73	N.E.	2	b	1
Holyhead ...	30.38	55	50	N	1	b	1								

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

Weather in morning fine and bright over the greater part of western, central and southern Europe, but dull over the eastern and central parts of England, as well as over northern Italy; fog reported on our southeast coasts and also in the Netherlands and the south of Norway. Cloudy in Sweden, dull in Norway and Russia, with rain at Rode. Sky clearing later over England; weather remaining fair and very dry in most parts of western Europe, but a little rain falling in the N. of Scotland, and larger amounts in the west of Norway, as well as at Lisbon.

Temperature fallen a little in most parts of the United Kingdom, changed irregularly elsewhere. Morning readings highest 66° at Bilbao, 64° at Barcelona, and 61° at Cron, above 55° at most of the Mediterranean stations, and also on the coasts of Spain. Lowest 32° at Archangel, Moscow, Lemberg and Kiev, below 40° over Russia and Austria, as well as in some parts of central England. Rising during day to between 60° and 65° in many parts of the United Kingdom, but remaining below 50° in the N. and E. of England. Exceeding 70° at many of the French stations, and reaching 86° at Rocheport.

Wind light or moderate from the E. or NE. over England, Ireland, France and the greater part of central, S. and E. Europe. Calm or variable in the N. of Scotland, and also in the south of Scandinavia. W. or NW. over the northern parts of Russia and Scandinavia; light in force generally, but strong to a gale at Christiania. No important change occurring later.

Barometer highest 30.5 ins. and upwards in the north of England and also over Denmark and N. Germany. 30.2 ins. and upwards in an anticyclone covering the greater part of Europe. Lowest 29.5 ins. and less in a well marked depression lying over northern Russia, 29.9 ins. and less in a shallow system lying off the Portuguese coasts. General fall taking place over western Europe during day and large depression advancing towards the northwest of Norway.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 2ND TO 8TH APRIL 1893.

The Summary will be issued with Sunday's Report.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 11TH APRIL 1893

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

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For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 11th April 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 the number 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

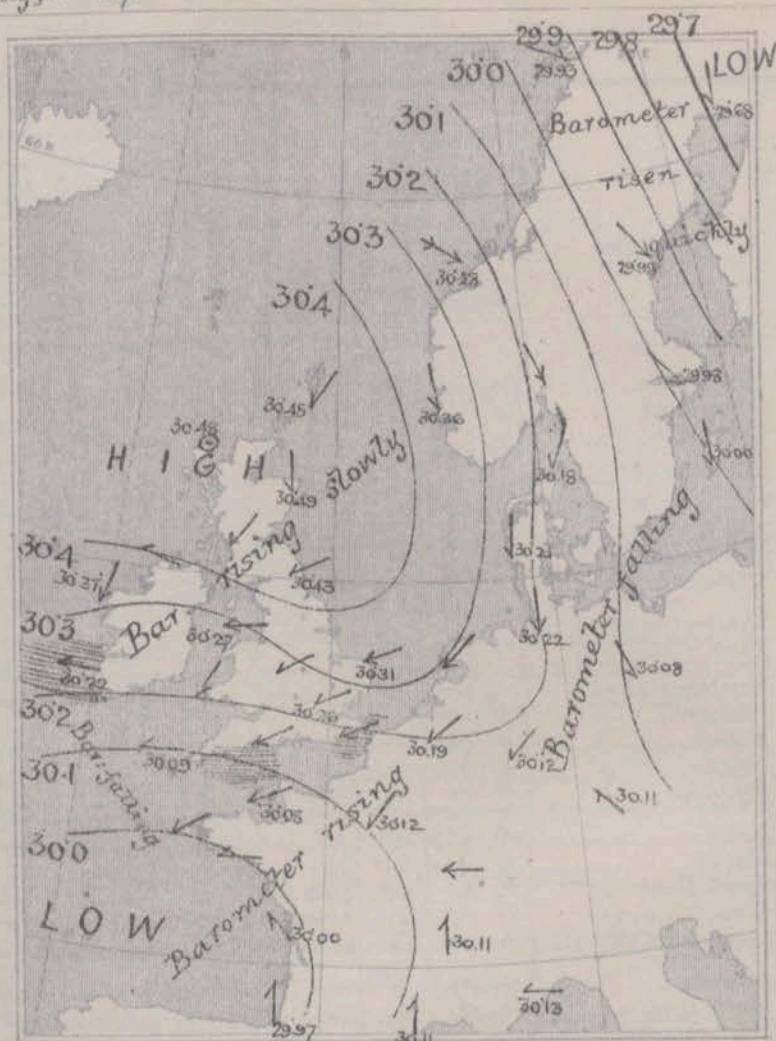
☐ = Rough ☐ = High

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871-1890

STATIONS.	MEAN READINGS.
Somburgh Head	29.840
Sternway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.860
Spurn Head	29.863
York	29.870
Loughborough	29.870
Androsan	29.857
Mullaghmore	29.859
Donaghadee	29.859
Holyhead	29.867
Liverpool	29.867
Paranstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.862
Selly	29.856
Prawle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.894
Cambridge	29.880
Yarmouth	29.873



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.

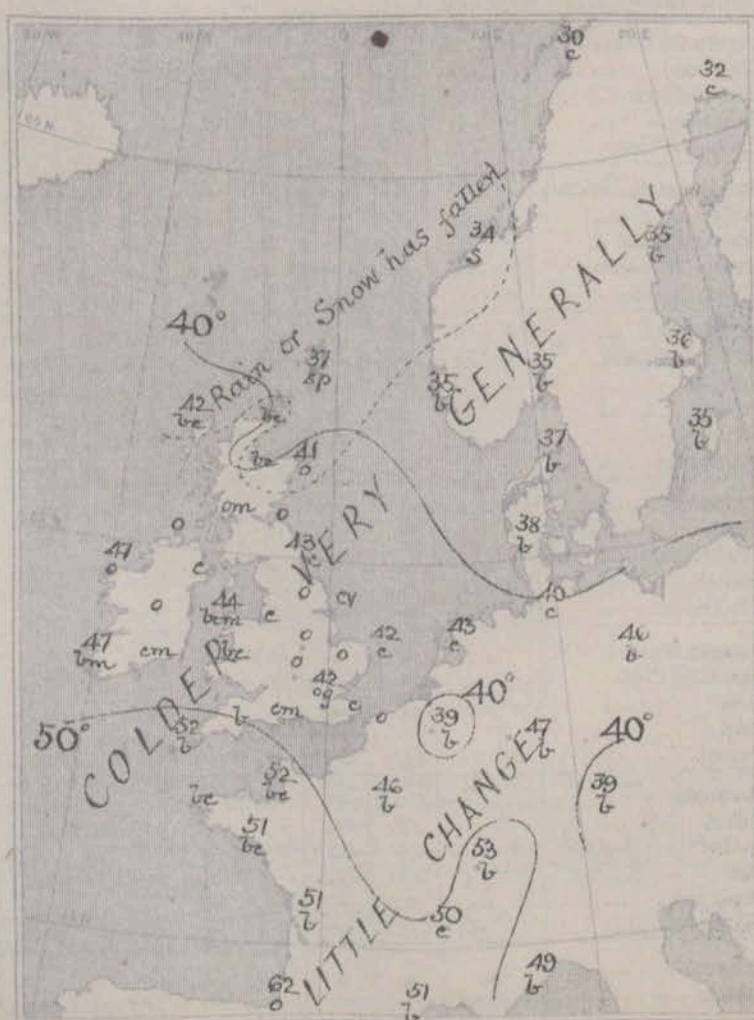
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of April.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Somburgh Head	46.9	30.7	41.7	40.2	2.07
Sternway	48.9	37.2	43.8	42.5	2.68
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	43.3	33.0	42.2	40.7	2.16
Leith	42.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	42.6	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.3	41.6	1.75
Loughborough	55.3	38.1	44.4	42.1	1.78
Androsan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.9	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.8	40.4	43.0	42.1	1.55
Paranstown	54.6	38.0	43.0	42.5	2.04
Valencia	53.9	42.8	46.2	46.6	3.83
Roche's Point	58.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Selly	52.1	44.7	46.5	46.6	2.27
Prawle Point	51.9	40.7	48.2	44.6	2.07
Jersey	54.2	45.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	43.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	53.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.8	44.4	42.1	1.78
Cambridge	55.8	37.5	45.2	43.0	1.89
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins: and upwards, over the northern parts of Great Britain and the North Sea.

Lowest, 29.7 ins: and less, in Scotland, 30.0 ins: in a shallow depression lying over Spain and the Bay of Biscay.

Gradients slight. Barometer rising generally, but falling a little in Germany and also in the extreme southwest of our islands.

TEMPERATURE

Highest, 62° at Biarritz, 57° at Lisbon, 53° at Lyons and Perpignan, and 52° at Seville and Jersey.

Lowest, 30° at Porto, 32° at Haparanda, 34° at Christianund, and 35° at Huesca, Nisby, Skutumpah and Jander.

During yesterday the thermometer over the inland part of England rose to between 66° and 70°.

WIND

E^{ly} or NE^{ly} over Ireland, England, the Netherlands, and north of France; fresh or strong in force on our south and southeast coasts.

Light from the Sth or SEth over the southern parts of France.

Calm in the north of Scotland; strong from the NWth in Scandinavia; with a gale at Christianund.

WEATHER

Dull over the north of Ireland, the south of Scotland, and the eastern and central part of England.

Fine and bright in nearly all other parts of Western Europe, but snow reported at Christianund and Garmisch, Hth.

A little rain fell yesterday in the north of Scotland, but elsewhere the weather remained extremely dry.

SEA

Rough at Christianund and rather rough off the east and southeast of England, as well as at Valencia Island.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the north is spreading southwards, and fair dry weather is therefore likely to continue over the greater part of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on

12th April

1893.

DISTRICTS.

FORECASTS.

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

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

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

Same as N° 5.

Same as N° 2.

E^{ly} and NE^{ly} winds, strong on coast; fair, cool.

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.

E^{ly} winds, freshening; fair generally.

Same as N° 5

Same as N° 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.				
Skudeanaes ...	30.30	42	36	NW	7	C	2	Valencia ...	30.27	62	55	NNE	4	bm	4
Samburgh Head ...	30.25	37	36	NW	2	O	2	Scilly ...	30.12	56	51	NE	4	b	2
Stornoway ...	30.42	44	42	NE	3	P	2	Jersey ...	30.10	63	52	NE	5	bm	4
Aberdeen ...	30.40	45	42	E	2	O	2	Hurst Castle ...	30.15	61	53	E	1	m	1
Shields ...	30.36	46	43	NW	2	O	2	Dungeness ...	30.15	58	52	NE	2	b	2
Ardrossan ...	30.29	53	52	NE	2	bm	1	North Foreland ...	30.17	53	48	NE	2	b	2
Malin Head ...	30.26	49	46	N	2	C	2	London ...	30.10	66	52	E	2	bm	2
Mullaghmore ...	30.26	49	46	N	2	C	2	Yarmouth ...	30.24	51	48	NNE	2	b	2
Belmullet ...	30.28	51	47	NNE	5	bc	2	Rochefort ...	4.17	77	62	ENE	2	b	2
Holyhead ...	30.25	51	48	N	2	b	1								

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

Weather in morning dull and unsettled in the extreme north and northwest of Europe, with snow in several places, and rain at Kani, dull but fair in the south of Russia, as well as over Algeria and the south of Spain, with rain at San Fernando. A little rain in Scotland and snow in the west of Norway later, but weather remaining very fine over Germany, France, and the greater part of England and Ireland.

Temperature changing little and irregularly. Morning readings exceeding 60° on the Algerian coast and at some Spanish stations, and exceeding 50° over the south of France and the southwest of our Islands; below 40° over our midland counties and over Russia, and lowest of all 26° at Archangel, 30° at Moscow 32° at Bodo, and 37° at Riga; as low as 38° in Austria also. Rising later to between 60° and 70° over the inland parts of England, to 74° at Paris and to 84° at Rochefort, but not quite touching 60° at Kien.

Wind W¹ over the whole of northern Europe, and strong to a gale in force at the Scandinavian stations; very light and variable in Scotland, light N¹ in Ireland and NW¹ on our northeast coasts; fresh from E. to NE in the Channel, moderate from E. over the Bay of Biscay, and rather strong from NE. and N. over the Adriatic and eastern part of the Mediterranean. Veering N^W over Scandinavia later, little change elsewhere.

Barometer 30.4 in: and more to 30.2 in: in a very complex anticyclone stretching from the Atlantic across the British Islands and the Netherlands to Central Europe. Lowest 29.2 in: and less, in a somewhat deep depression over Lapland, and 29.9 in: and less over Portugal, the west of Spain, and Algeria. Gradients steep over northern Europe only. Barometer rising a little over Scandinavia later, falling over France, not changing much in our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

for 8 a.m. on Wednesday, 12th April,

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).	SHADE TEMP.		Amount of Rainfall.	
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.			Reading at 32° F. and Sea Level.	Change since Yester- day Noon.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.					Max.	Min.				
Inch.	°				Inch.	°	°	°	°							°	Inch.			
SCANDINAVIA.																				
Haparanda ...	29.80	25	Z	0	bc	29.30	-38	28	28	-4	SW	4	0	6	bc	34	19			
Hernösand ...	30.03	34	Z	0	b	29.63	-35	33	29	-2	WSW	4	0	6	c	48	30			
Stockholm ...	30.11	36	NW	2	c	29.95	-03	36	30	0	WSW	2	0	6	c	48	30			
Wisby ...	30.14	33	?	1	c	30.05	+05	34	32	-1	WNW	4	0	6	b	45	30			
Bodö ...	29.75	31	WSW	7	o	29.38	-35	33	30	+3	WNW	7	0	4	o	33	27			
Christiansund...	30.25	34	W	9	S	29.84	-44	39	36	+5	W	9	7	6	S	39	32	0.20		
Skudesnaes ...	30.36	37	WNW	4	c	30.17	-19	39	38	+4	W	4	7	2	co	41	35			
Christiania Fjord (Færd)	30.25	39	W	5	b	30.00	-21	37	34	+2	W	5	0	1	b	41	34			
Skagen (The Scaw)	30.23	36	WSW	1	b	30.04	-14	39	36	+2	WNW	3	0	1	b	45	36			
Fanö ...	30.31	35	N	2	b	30.25	+04	38	35	0	NW	4	c	6	b	50	34			
Sumburgh Head	30.42	39	WNW	2	o	30.19	-26	45	44	+8	NW	3	0	3	o	45	36	0.02		
Stornoway ...	30.47	45	N	3	bc	30.40	-08	45	45	+3	NW	3	0	3	c, bc	46	35	0.01		
Wick ...	30.45	42	N	1	bc	30.25	-20	43	42	+3	WNW	3	0	1	bc	49	32			
Nairn ...	30.43	47	Z	0	b	30.39	-08	41	39	+2	WSW	1	c	1	b	51	30			
Aberdeen ...	30.47	41	S	1	bc	30.38	-11	45	40	+4	NW	3	bc	2	c, bc	45	31			
Leith ...	30.46	44	E	2	bc	30.43	-02	44	39	0	SW	1	bm	6	bc	49	35			
Shields ...	30.46	43	E	2	bc	30.43	00	37	34	-6	W	2	bm	2	c, bc	47	28			
Spurn Head ...	30.39	41	NE	4	cv	30.40	+05	41	38	-1	NNE	3	ov	4	cv	47	37			
York ...	30.44	45	N	1	bc	30.45	+05	37	34	-6	WNW	1	b	6	bc	50	29			
Loughborough	30.39	43	NE	3	c	30.44	+10	39	36	-4	NE	2	c	6	c	48	34			
BRITISH ISLANDS.																				
Ardrossan ...	30.43	47	NE	2	om	30.44	+02	46	43	+3	W	1	b	1	om	48	35			
Malin Head ...	30.45	46	NE	3	o	30.49	+09	44	40	0	N	3	bc	2	b, o	48	42			
Mullaghmore ...																				
Belmullet ...	30.31	50	E	3	b	30.51	+14	45	42	-2	NE	2	0	6	b	53	38			
Donaghadee ...	30.44	47	E	4	c	30.49	+10	44	41	-2	W	4	bc	2	c	49	43			
Liverpool (Bilston)	30.39	46	ENE	3	bc	30.47	+12	41	35	-2	ENE	1	b	1	bc	49	34			
Holyhead ...	30.34	47	E	4	b	30.46	+19	43	40	-1	ENE	2	b	2	b	49	37			
Parsonstown ...	30.34	50	NE	1	b	30.47	+18	41	39	-5	NE	1	b	6	b	54	34			
Valencia ...	30.29	57	NE	2	cm	30.43	+21	46	43	-1	ENE	1	bm	6	bm	58	38			
Roche's Point	30.30	49	ESE	5	bc	30.42	+18	44	42	-4	E	3	c	3	m, bc	53	40			
Pembroke (St. Ann's Hd.)	30.26	48	E	4	c	30.41	+21	40	38	-6	ENE	3	b	3	c	53	36			
Scilly ...	30.18	50	E	6	c	30.30	+21	45	42	-7	ENE	5	c	4	cm, c	52	41			
Prawle Point ...	30.22	46	ENE	6	b	30.35	+21	40	38	-6	ENE	5	og	4	b	49	38			
Jersey (St. Aubin's)	30.16	50	ENE	5	c	30.30	+22	47	42	-5	ENE	5	bm	4	pgm, c	53	44	0.01		
Hurst Castle ...	30.25	49	ENE	6	bc	30.37	+19	41	38	-3	ENE	5	c	3	cm, bc	52	36			
Dungeness ...	30.23	44	ENE	7	c	30.32	+16	42	39	-3	ENE	5	c	4	o, c	47	40			
North Foreland	30.29	42	NE	5	og	30.34	+12	42	41	-3	NE	5	og	6	og	45	38			
London ...	30.32	44	NE	4	c	30.39	+13	41	36	-2	ENE	3	c	6	o, c	49	38			
Oxford ...	30.38	42	NE	3	o	30.42	+13	40	36	-1	NE	2	c	6	o	49	33			
Cambridge ...	30.37	42	NNE	3	o	30.42	+10	42	37	-1	NNE	3	o	6	o	53	36			
Yarmouth ...	30.36	41	NE	5	c	30.36	+05	42	39	0	NNE	4	c	4	c	44	39			
GERMANY & HOLLAND.																				
Cuxhaven ...	30.24	40	N	4	b	30.30	+08	39	37	-1	NNE	2	c	6	b	44	38			
Berlin ...	30.18	43	N	3	b	30.24	+16	39	33	-7	ESE	2	b	6	b	55	34			
Wiesbaden ...						30.18	+06	44	39	-3	N	2	b	6	b	68	39			
Munich ...	30.05	50	SW	2	b	30.07	-04	42	39	+3	N	1	b	6	b	59	39			
The Helder ...	30.39	40	NNE	6	c	30.38	+04	40	36	-2	NNE	4	c	3	c	43	37			
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)						30.34	+15	37	35	-2	ENE	4	bc	6	b	56	30			
Cape Gris Nez	30.19	45	ENE	7	c	30.27	+15	41	40	-4	ENE	3	c	4	c	48	39			
Paris ...	30.12	61	WSW	4	b	30.23	+11	38	34	-8	N	4	b	6	b	73	35			
Brest ...	?	62	NE	3	bc	?	?	46	45	-4	E	4	c	3	bc	73	45	0.04		
Lorient ...	30.07	58	N	1	c	30.19	+20	48	46	-5	NE	3	kl	2	c	68	48	0.04		
Rocheport ...	30.06	62	W	2	b	30.07	+07	51	48	0	E	4	bc	6	b	75	46			
Belfort ...	?	59	NE	1	b	?	?	53	53	+10	NW	2	b	6	b	66	50			
Lyons ...	30.01	62	WNW	1	b	30.06	-05	51	44	+1	S	1	b	6	b	69	47			
Nice ...	30.02	51	W	1	b	30.02	-11	52	45	+3	E	1	b	6	b	59	45			
Perpignan ...	29.99	61	NE	2	b	30.04	-08	47	44	-6	E	3	bc	6	b	69	32			
Biarritz ...	29.98	64	NE	3	bc	30.08	+11	57	50	-5	SSW	3	b	1	bc	72	54			
PENINSULA.																				
Corunna ...																				
Lisbon ...	30.06	60	WSW	3	o	30.15	+22	61	58	+4	ESE	3	bc	6	o	64	55			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Wednesday 12th April, 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 5 to 10;
— forces 5 to 7 — forces 1 to 4.
— dual calm.

SEA DISTURBANCE—Where considerable, is shown thus

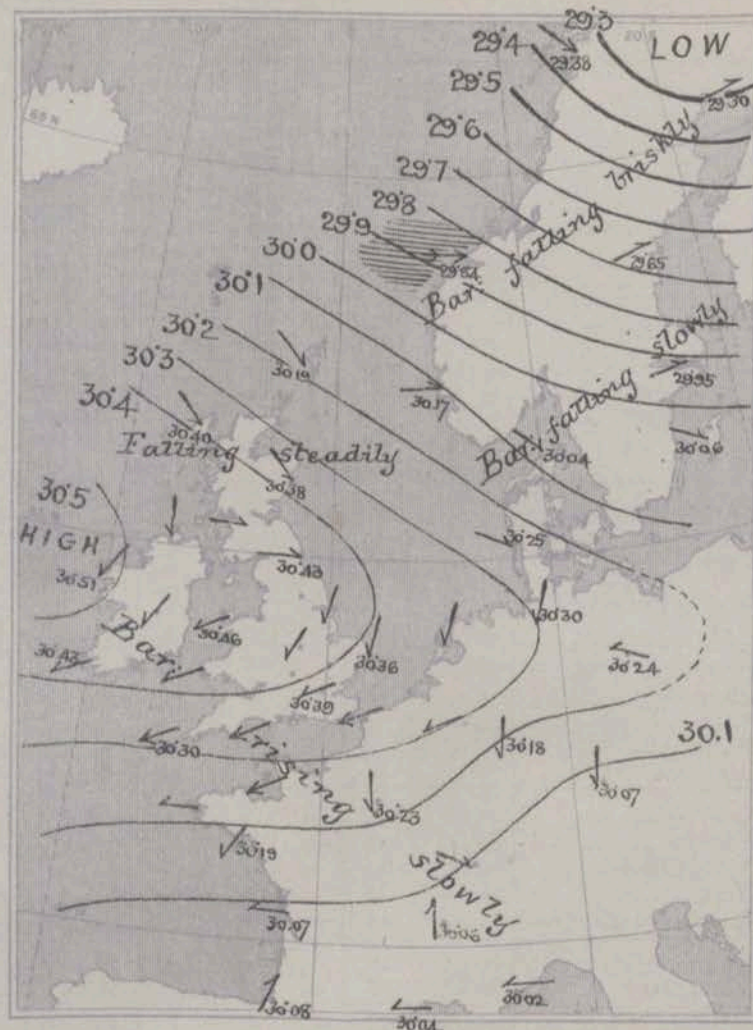
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.868
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.887
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

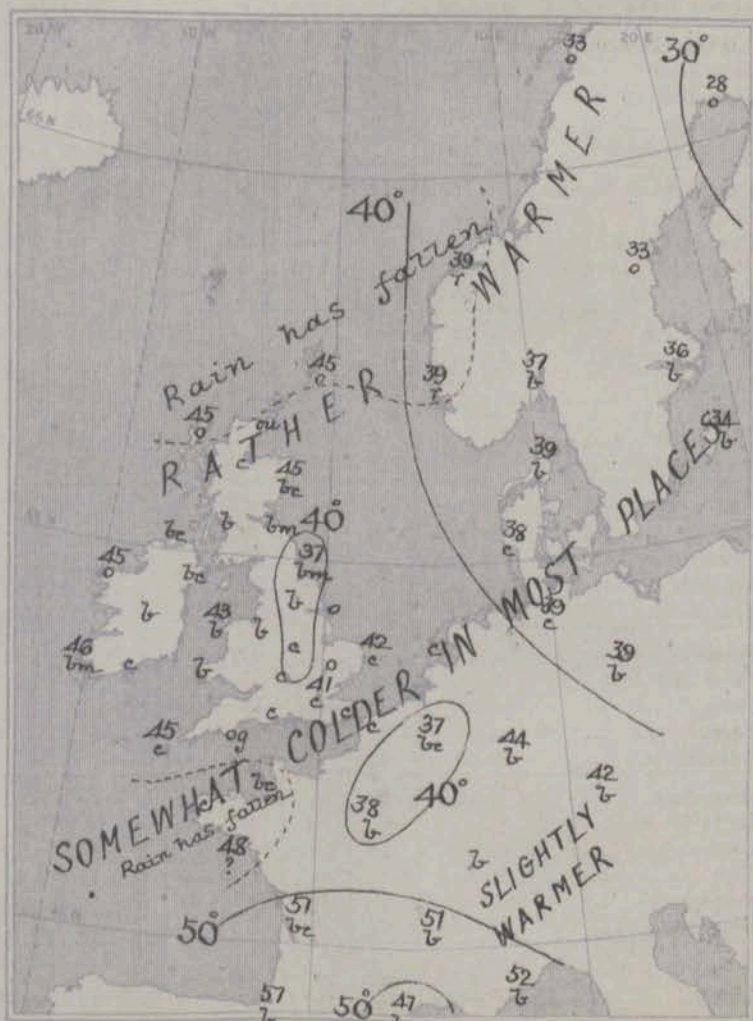
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.02
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.0	36.9	43.1	41.2	1.68
Nairn	40.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.6	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	52.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	40.8	41.5	3.24
Pembroke	50.4	41.0	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.0	2.07
Jersey	51.3	43.5	48.5	45.9	2.68
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	55.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	53.8	37.5	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. to 30.5 ins. in an anticyclone lying over all but the extreme northern and southern parts of the United Kingdom.

Lowest 29.3 ins. and less in a depression lying over the north of Scandinavia.

Gradients slight generally, but moderate over Scandinavia.

Barometer falling in Scandinavia, Denmark and the N. and E. of Scotland, but rising elsewhere.

Highest 61° at Lisbon, 57° at Biarritz, 52° at Nice, 51° at Rochefort and Lyons, and 48° at Lorient.

TEMPERATURE

Lowest 28° at Haparanda, 33° at Bodø and Henningsund, 34° at Wisby, 36° at Stockholm, 43° at Faerden, ^{Stock}Shields &

The maxima registered yesterday were below 50° in many parts of the United Kingdom, and below 55° at all stations excepting Valencia (Ireland).

WIND

W² in Scandinavia; strong in force in the west of Norway, with a gale at Christiansund.

Light from the NW² in Denmark and also in the north of Scotland.

E² or NE² over the greater part of Ireland, England & France & fresh in force at the channel stations.

WEATHER

Fine in most parts of western Europe, but dull in the north of Scotland, as well as at most of the Scandinavian stations, with rain in the west of Norway.

A little rain fell yesterday in the Shetlands and Hebrides, as well as at Jersey, Brest & Lorient; elsewhere the weather remained very dry. A solar halo was seen in London yesterday afternoon.

SEA

Moderate to smooth generally, but rough at the N. Foreland and also at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling rather decidedly in the north of Scotland and it seems probable that a depression will shortly pass outside our extreme northern coasts. Freshening NW² winds and showery weather are likely to set in over the northern parts of the United Kingdom generally.

FORECASTS

For the 24 hours ending at NOON on 13TH APRIL 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | NW ² winds, freshening; cloudy, some cold showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | W ² and NW ² winds, freshening; fair to ^{showery} |
| 3 | ENGLAND EAST | NE ² to N ² or NW ² winds, moderate; fair, cold. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | Same as N ^o 2. |
| 7 | ENGLAND N.W. | Same as N ^{os} 3 to 5. |
| 8 | ENGLAND S.W. | NE ² to N ² winds, moderate; fair cold. |
| 9 | IRELAND NORTH | N ² and NW ² winds, freshening; fair to showery. |
| 10 | IRELAND SOUTH | Same as N ^o 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. Dir.	P.	WEA.	SEA.		BAR.	THER.		WIND. Dir.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudeannaes ...	30.39	40	35	W	6	C	3	Valencia ...	30.28	55	51	E	4	bm	4
Sumburgh Head ...	30.45	39	35	N	2	O	2	Scilly ...	30.15	50	47	E	5	c	3
Stornoway ...	30.48	46	42	SW	3	C	3	Jersey ...	30.16	53	50	E NE	5	c	4
Aberdeen ...	30.49	43	38	SE	2	C	2	Hurst Castle ...	30.23	51	47	E	6	cm	3
Shields ...	30.45	46	42	E	3	C	3	Dungeness ...	30.23	46	44	E NE	7	O	6
Ardrossan ...	30.45	47	43	NE	2	O	1	North Foreland ...	30.24	45	43	NE	6	O	6
Malin Head ...	30.44	47	44	ESE	4	b	2	London (Westminster) ...	30.31	48	42	E	3	C	5
Mullaghmore ...								Yarmouth ...	30.35	44	40	E NE	5	C	5
Belmullet ...	30.39	52	47	NE	4	b	3	Rochefort ...	30.03	72	59	SSE	2	b	4
Holyhead ...	30.38	48	44	E	5	b	4								

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

Weather fine and bright over the greater part of Europe, but dull in the north of Ireland, the south of Scotland and the eastern and central parts of England. Snow reported both at Christiansund and Sumburgh Head. Sky clearing later in most parts of England but showers falling in the Shetlands and Hebrides, as well as at Jersey and in the northwest of France. Solar halo seen in London in afternoon.

Temperature fallen generally. Morning readings highest 65° at Cornua, 62° at Biarritz, 60° at Barcelona, and 58° at Oran and Algiers, above 50° in the west of France, as well as at Scilly and Jersey. Lowest 27° at Archangel, 30° at Bodö, 31° at Uleaborg, Kuopio and S. Peterburg, and 32° at Haparanda; below 40° over the greater part of Scandinavia, Denmark and Russia, as well as in the north of Scotland. Daily maxima over our Islands much lower than of late; thermometer remaining below 50° in many districts and below 55° at all stations excepting Valencia (Ireland). Exceeding 70° in the west of France, but not reaching 60° at Nice.

Wind light from the S^W or SE^W over the southern parts of France, moderate to strong from the E^W or NE^W over Ireland, England, the Netherlands and the N. of France; calm in the N. of Scotland. Strong from the NW^W in Scandinavia and light or moderate from the same quarter in Finland, W^W or SW^W over the greater part of Russia, NE^W in Spain; variable in Italy, Austria and Algeria. No important change occurring during day.

Barometer highest 30.4 ins. and upwards over the northern parts of our Islands and the North Sea; 30.1 ins. and upwards in an anticyclone of irregular form covering the greater part of western, central and eastern Europe. Lowest 28.9 ins. and less in a deep depression lying over the extreme N. of Russia, 29.9 ins. and less in shallow systems lying respectively over Morocco and to the southward of Sicily. No important change occurring over western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 13th April, 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. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		Shade Temp.		Wind.		Sea (0 to 9).	Trade Wind.		Amount of Rain (in).				
				Force (0 to 12).	Dirac.		Reading at 25° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.		Force (0 to 12).	Weather.		Max.	Min.		
		Inch.	°				Inch.		°	°										
SCANDINAVIA.	Elaparanda ...	29.40	22	N	4	b	29.50	+2.0	21	20	-7	NW	4	0	#	b	37	12		
	Hernösand ...	29.58	31	NW	4	b	29.79	+1.6	30	25	-3	NW	4	b	#	b	43	25		
	Stockholm ...	29.58	36	N	6	b	29.81	-1.4	30	25	-6	NW	8	b	#	b	46	25		
	Wisby ...	29.39	53	NW	8	S	29.79	-2.6	30	28	-4	N	8	c	#	S	43	28	0.30	
	Bodö ...	29.68	28	NW	4	c	29.75	+3.7	31	30	-2	NW	6	c	#	c	33	25		
	Christiansund...	30.07	31	NW	8	c	30.15	+3.4	34	32	-5	NW	7	S	7	c	39	28	0.10	
	Skudesnaes ...	30.09	27	NW	8	c	30.24	+0.7	36	31	-3	NW	6	c	7	c	43	32		
	Christiana Fjord (Farer)	29.86	41	NW	7	b	30.11	+1.1	35	31	-2	NW	3	b	1	b	46	34		
	Skagen (The Leaw)	29.89	41	N	8	b	30.10	+0.6	37	31	-2	NE	5	b	3	b	43	36		
	Faro ...	29.98	40	NW	7	c	30.09	-1.6	37	33	-1	NE	3	b	#	c	45	34		
ISLANDS.	Sumburgh Head	30.30	38	N	4	bc	30.36	+1.7	39	35	-6	N	1	7	7	b, bc	50	32		
	Stornoway ...	30.36	49	N	4	0	30.41	+0.1	44	42	-1	N	0	b	2	a, b	50	31	0.01	
	Wick ...	30.33	51	N	4	bc	30.38	+1.3	39	38	-4	N	1	bc	0	bc	51	31		
	Nairn ...	30.34	46	NW	1	+	30.40	+0.1	40	40	-1	N	0	bc	0	+	51	29	0.02	
	Aberdeen ...	30.32	46	NW	4	cq	30.43	+0.5	41	36	-4	N	1	0	3	cq, p, cq	53	35	0.01	
	Leith ...	30.32	48	NW	1	0	30.43	-0.0	43	38	-1	NE	2	c	#	0	57	40	0.02	
	Shields ...	30.31	48	SW	1	0	30.40	-0.3	42	39	+5	NW	3	c	3	b, p	50	34		
	Spurn Head ...	30.30	44	N	2	b	30.34	-0.6	44	42	+3	N	4	c	4	b	47	41		
	York ...	30.32	52	E	1	b	30.39	-0.6	44	39	+7	N	2	bc	#	b	56	36		
	Loughborough	30.33	50	SW	1	b	30.36	-0.8	45	41	+6	N	3	om	#	b	55	37		
BRITISH ISLANDS.	Ardrossan ...	30.34	49	NW	3	c	30.39	-0.5	44	42	-2	NE	2	0	1	b, c	53	42		
	Malin Head ...	30.42	47	NW	3	bc	30.40	-0.9	46	45	+2	NNE	2	0	2	a, bc	50	43		
	Mullaghmore ...	30.49	47	NNE	3	b	30.44	-0.7	48	46	+3	NNE	2	0	#	b	50	41		
	Belmullet ...	30.41	45	N	5	b	30.41	-0.8	46	45	+2	NNE	4	c	2	b	53	43		
	Donaghadee ...	30.41	45	N	5	b	30.41	-0.8	46	45	+2	NNE	4	c	2	b	53	43		
	Liverpool (Bidston)	30.37	45	NW	2	b	30.39	-0.8	43	42	+2	NW	1	0	2	b	47	44		
	Holyhead ...	30.42	44	N	1	b	30.37	-0.9	48	47	+5	N	0	bc	0	b	48	59		
	Parsonstown ...	30.42	51	NE	1	bc	30.41	-0.6	40	39	-1	SW	1	0	#	bc	53	31		
	Valencia ...	30.41	52	N	0	bc	30.40	-0.3	44	42	-2	ESE	1	bm	2	bc, b	53	33		
	Roche's Point	30.42	46	ESE	4	bc	30.41	-0.1	42	40	-2	NW	2	cm	3	bc	50	37		
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	30.35	45	NNE	3	b	30.37	-0.4	45	42	+5	NE	1	bw	1	b	49	38		
	Scilly ...	30.33	46	ESE	3	c	30.34	+0.4	49	45	+4	E	3	c	2	c	49	42		
	Prawle Point ...	30.32	42	ESE	2	b	30.34	-0.1	45	41	+5	N	2	bm	1	b	47	34		
	Jersey (St. Aubin's)	30.28	47	ESE	5	b	30.31	+0.1	49	42	+2	NE	4	bm	3	bc, b	51	38		
	Hurst Castle ...	30.31	47	SE	2	bm	30.33	-0.4	41	39	0	NE	1	m	0	b, bm	52	33		
	Dungeness ...	30.28	44	ESE	4	bc	30.27	-0.5	39	37	-8	N	5	0	4	c, bc	47	29		
	North Foreland	30.30	42	NNE	3	b	30.29	-0.5	44	43	+2	NNE	4	0	5	b	44	42		
	London ...	30.31	46	NE	2	bc	30.32	-0.7	46	41	+5	NNE	3	bc	#	c, b	49	31		
	Oxford ...	30.35	39	NNE	1	b	30.35	-0.7	43	40	+3	NNE	1	or	#	b	50	31		
	Cambridge ...	30.32	47	N	1	b	30.34	-0.8	44	41	+2	NW	6	0	#	b	52	31		
FRANCE AND BELGIUM.	Yarmouth ...	30.31	44	NW	3	b	30.28	-0.8	43	40	+1	NNE	5	cq	4	p, c, b	46	36	0.02	
	Onxhaven ...	30.17	41	NW	6	c	30.08	-2.2	40	39	+1	NNE	4	b	#	c	44	39		
	Berlin ...	30.04	45	NW	4	b	29.93	-3.1	39	37	0	NW	3	0	#	b	48	37		
	Wiesbaden ...	30.03	44	NW	3	bc	30.13	-0.5	42	37	-2	NW	2	0	#	#	44	39		
	Munich ...	30.03	44	NW	3	bc	30.05	-0.2	37	33	-5	NW	3	b	#	bc	55	36		
	The Helder ...	30.27	43	NW	4	c	30.25	-1.3	41	38	+1	NNE	5	0	3	c	45	39		
	Brussels (P.M.)	30.23	42	NW	4	c	30.23	-1.1	42	42	+5	NW	4	0	#	0	48	37	0.04	
	Cape Gris Nez	30.25	43	ESE	5	bc	30.23	-0.4	42	41	+1	NNE	5	0	5	bc	46	37		
	Paris ...	30.17	50	NNE	5	b	30.25	+0.2	38	35	0	N	3	0	#	b	56	32		
	Brest ...	30.17	51	ESE	4	b	30.25	+0.2	38	35	0	N	3	0	#	b	56	32		
PENINSULA.	Lorient ...	30.18	53	NE	5	b	30.26	+0.7	41	36	-7	ESE	5	b	2	b	59	37		
	Rochefort ...	30.06	64	E	3	b	30.13	+0.6	40	36	-11	E	5	b	#	b	75	36		
	Belfort ...	30.06	64	NE	3	b	30.13	+0.6	40	36	-11	E	5	b	#	b	75	36		
	Lyons ...	30.06	60	NNE	2	bc	30.03	-0.3	44	35	-7	N	3	b	#	bc	68	34		
	Nice ...	29.86	54	N	1	bc	29.76	-2.6	54	48	+2	N	0	bc	#	bc	61	50		
	Perpignan ...	29.94	70	NW	2	0	29.92	-1.2	61	52	+14	N	4	0	#	0	77	47		
	Biarritz ...	30.11	60	NW	3	c	30.04	-0.4	58	52	+1	NW	3	bc	2	c	66	55		
	Corunna ..	30.17	58	NW	4	b	30.13	-0.2	59	57	-2	N	0	c	#	b	64	55	0.16	
	Lisbon ...	30.17	58	NW	4	b	30.13	-0.2	59	57	-2	N	0	c	#	b	64	55	0.16	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 13th April, 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:

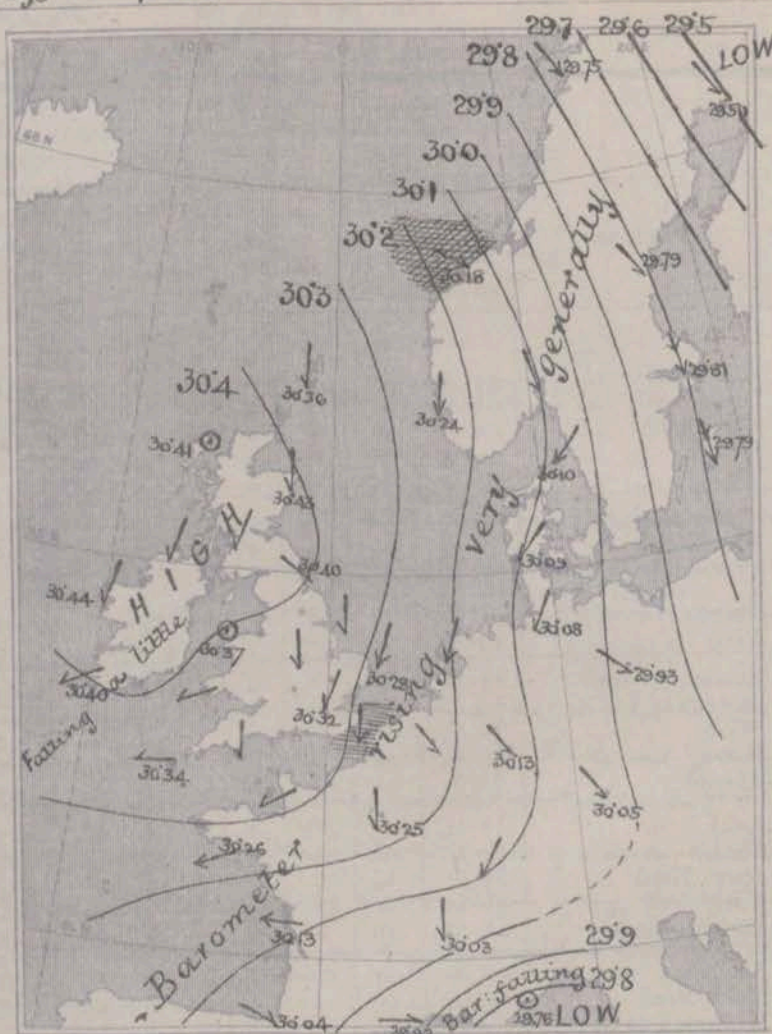
■ = Rough, ■ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.853
Donaghadee	29.859
Holyhead	29.867
Liverpool	29.867
Farnmouth	29.864
Valencia	29.851
Roch's Point	29.851
Pembroke	29.852
Selly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

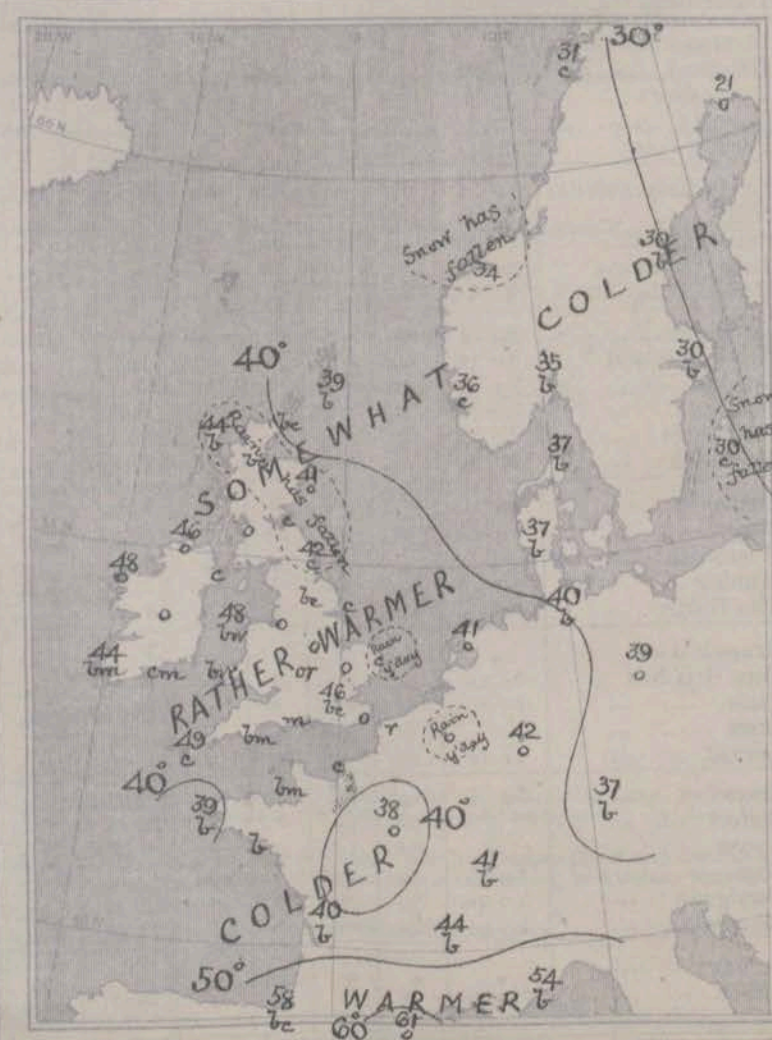
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.50
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	40.0	27.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.18
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.6	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	35.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.3	42.3	45.3	43.0	2.06
Donaghadee	51.0	40.0	44.6	42.0	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.86
Farnmouth	54.8	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roch's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Selly	52.1	44.7	48.6	46.0	2.27
Prawle Point	51.9	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.6	44.2	1.83
Dover	51.1	41.5	46.3	44.6	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.89
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over Ireland and Scotland.
Lowest 29.5 ins. and less in Lapland; 29.8 ins. and less over the Gulf of Genoa.
Gradients moderate over Scandinavia, and also in the south of France, but slight elsewhere.
Barometer rising generally, but falling a little in Ireland and the south of France.

TEMPERATURE

Highest 61° at Perpignan, 59° at Lisbon, 58° at Biarritz, 56° at Nice, and 49° at Sally and Jersey.
Lowest 31° at Haparanda, 30° at Hernsand, Stockholm and Wisby, 31° at Bodo, 34° at Christiansund, and 35° at Faerden.
 Frost occurred last night in many parts of Great Britain.

WIND

Light to moderate from the N^W or N^W in all the more northern and eastern parts of the United Kingdom, and strong from the same quarters in Scandinavia, with a gale in the south of Sweden.
 NE² or E² over the southwest of our Islands and the northern parts of France; W² in the south of France.

WEATHER

Fine over the greater part of western Europe, but dull at several of our own stations, as well as in the Netherlands and the northeast of France. Slight rain is reported at Oporto and Cape Gris Nez, and snow at Christiansund.
 A few showers were experienced yesterday in Scotland and also at Harmouth.

SEA

Slight or smooth generally, but rather rough in the Straits of Dover, and high at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Anticyclonic conditions still prevail over the whole of our Islands, and fair weather seems likely to continue in most districts. Slight local irregularities in pressure over England may possibly occasion showers in a few isolated places.

FORECASTS

For the 24 hours ending at NOON on 14TH APRIL 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | } N ² and NW ² winds, light; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | } N ² winds, light or moderate; fair generally, but perhaps local showers. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | } Same as Nos 0 to 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NE ² winds, light; fine generally. |
| 9 | IRELAND NORTH | Same as Nos 0 to 2. |
| 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 ...	30.05	44	37	NW	8	b	4		Valencia ...	30.43	53	48	NNE	3	c	3
Sumburgh Head ...	30.24	45	41	N	4	b	4		Scilly ...	30.39	47	44	E	5	c	3
Stornoway ...	30.38	45	44	NW	4	0	4		Jersey ...	30.31	50	45	E	5	b	4
Aberdeen ...	30.31	50	45	NW	5	c	3		Hurst Castle ...	30.33	51	46	E	4	b	2
Shields ...	30.36	47	42	NNE	2	b	3		Dungeness ...	30.30	46	42	NNE	5	c	4
Ardrossan ...	30.39	53	48	NW	4	b	2		North Foreland ...	30.35	43	40	NNE	4	b	4
Malin Head ...	30.46	49	45	NW	3	0	1		London (Westminster) ...	30.35	48	40	NNE	3	c	4
Mullaghmore ...									Yarmouth ...	30.35	46	41	NNE	4	c	4
Behmullet ...	30.52	50	44	NNE	3	b	4		Rocheport ...	30.09	49	49	E	4	b	4
Holyhead ...	30.44	46	42	N	2	b	2									

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

Weather in morning dull and unsettled over the extreme northern and northwestern parts of Europe, including the north of Scotland, with rain in the west of Norway and a threatening appearance at Wick, fine and bright over Ireland, the greater part of England, France, southern and central Europe; dull rainy and unsettled over Tunis and in Sicily. Slight showers later, in the north and east of Scotland, and also at Yarmouth and Brussels; weather remaining fine elsewhere.

Temperature falling over England and also over northern Russia. Morning readings below 60° except on the Portuguese coasts and at Barcelona, and below 50° over the British Islands, the north and east of France and the greater part of Italy; below 40° over central and eastern Europe, and lowest 13° at Archangel, 26° at Uleaborg, 28° at St. Petersburg, 33° at Moscow, Hernosand and Bodo, 31° at Warsaw, 32° at Breslau, 37° at York, 38° at Paris. Falling to reach 60° over our Islands later but touching 52° at Cambridge, 57° at Leith, 56° at Paris, 70° at Rocheport, 77° at Perpignan.

Wind W² to NW² over the northern countries - and blowing a gale on the northwest coast of Norway; NE² to E², fresh, in the English Channel, moderate over the Bay of Biscay; very light and variable over central Europe, but NE² over Italy, N² at Cagliari, NW² at Palermo and Malta. Becoming more N² in our Islands and Norway later, but still blowing a gale at Christiansund and Skudesnaes.

Barometer highest, 30.5 ins. and more to 30.3 ins. in the eastern portion of an anticyclone spreading in from the Atlantic over the British Islands and North Sea, and exceeding 30.2 ins. over central Spain. Lowest 29.4 ins. and less in a depression over Lapland, and below 29.8 ins. in another lying between Malta and Greece. Northern depression apparently moving southwards later and barometer falling slightly over the British Islands, quickly over the Baltic, Germany and Denmark.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 14th APRIL

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 8 ¹ / ₂ P. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 8 ¹ / ₂ P. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirac.	Force (0 to 12).		Max.	Min.
		Inch.	°	Dirac.	Force (0 to 12).		Inch.	°	°	°						°	Inch.			
SCANDINAVIA.	Haparanda ...	29.57	22	N	4	0	29.62	+ .12	21	20	0	N	4	b	#	28	5	—		
	Hernösand ...	29.88	32	NW	2	0	29.63	— .16	32	32	+ 3	Z	0	s	#	27	21	0.04		
	Stockholm ...	29.93	34	NW	4	c	29.68	+ .02	29	32	+ 9	W	7	bc	#	41	?	—		
	Wisby ...	29.99	34	NNW	6	b	29.97	+ .18	34	32	+ 4	NW	4	bc	#	41	25	—		
	Bodö ...	29.77	31	WNW	5	0	29.60	— .15	25	26	— 3	ENE	2	b	1	0	22	25	—	
	Christiansund...	30.03	35	SW	8	r	29.78	— .40	41	41	+ 7	WSW	8	r	b	r	41	34	0.24	
	Skudesnaes ...	30.29	38	SW	2	0	30.12	— .12	42	41	+ 6	W	4	0	2	0	?	36	—	
	Christiania Fjord (Færd)	30.10	39	NNW	2	b	29.94	— .17	39	36	+ 4	W	5	0	2	b	41	35	—	
	Skagen (The Seaw)	30.14	35	W	2	c	30.02	— .08	40	37	+ 3	NW	5	c	3	c	43	30	—	
	Fanö ...	30.25	35	NW	4	b	30.22	+ .13	40	36	+ 3	NW	6	c	#	b	43	36	—	
ISLANDS	Sumburgh Head	30.15	44	W	3	0	30.00	— .36	45	45	+ 6	W	4	r	4	c, c	46	36	0.01	
	Stornoway ...	30.38	47	SW	3	0	30.13	— .28	47	46	+ 3	SW	4	0	4	c, c	47	40	—	
	Wick ...	30.29	45	S	1	b	30.10	— .28	47	45	+ 8	W	3	0	1	b	46	35	—	
	Nairn ...	30.29	51	Z	0	bc	30.16	— .24	46	44	+ 6	W	1	c	1	bc	52	34	—	
	Aberdeen ...	30.36	41	S	2	b	30.20	— .23	48	43	+ 7	SW	1	bc	2	b	48	38	—	
	Leith ...	30.34	43	Z	0	b	30.24	— .19	47	43	+ 4	W	3	0	#	b	48	38	—	
	Shields ...	30.40	43	ENE	2	b	30.30	— .10	40	37	— 2	SW	2	m	2	a, b	47	31	—	
	Spurn Head ...	30.38	42	N	3	b	30.33	— .01	42	40	— 1	WSW	3	bc	3	p, b	46	35	—	
	York ...	30.40	47	E	1	b	30.35	— .04	39	36	— 5	SW	1	b	#	b	52	32	—	
	Loughborough	30.38	48	E	2	b	30.40	+ .04	35	31	— 10	Z	0	bc	#	b	52	24	—	
BRITISH	Ardrossan ...	30.33	48	SW	1	b	30.26	— .13	46	45	+ 2	SW	3	bc	2	b	54	38	—	
	Malin Head ...	30.35	47	NE	1	bc	30.28	— .12	46	44	0	SW	2	0	0	bc	50	45	—	
	Mullaghmore ...	30.37	50	NE	1	0	30.30	— .14	49	45	+ 1	NE	2	0	#	og	51	46	0.02	
	Belmullet ...	30.38	49	SE	3	m	30.31	— .10	45	45	— 1	SW	3	m	1	m	51	43	—	
	Donaghadee ...	30.37	48	SW	1	b	30.26	— .13	46	45	+ 2	SW	3	bc	2	b	54	38	—	
	Liverpool (Bidston)	30.37	48	NNW	1	b	30.25	— .04	45	41	+ 2	SE	1	b	0	b	55	34	—	
	Holyhead ...	30.36	51	ENE	1	b	30.34	— .03	47	47	— 1	SSW	2	bc	2	bc, b	52	41	—	
	Parsonstown ...	30.35	51	Z	0	0	30.34	— .07	46	43	+ 6	S	1	bc	#	0	53	39	—	
	Valencia ...	30.27	50	W	2	0	30.33	— .07	48	46	+ 4	SE	2	ogm	2	bc, om	52	38	—	
	Roche's Point	30.37	30	SSE	2	b	30.37	— .04	45	43	+ 3	N	1	b	2	b	52	38	—	
GERMANY & HOLLAND	Pembroke (St. Ann's Hd.)	30.34	51	NE	1	b	30.37	— .00	47	46	+ 2	E	2	bc	2	b	53	42	—	
	Scilly ...	30.33	51	ESE	3	b	30.34	— .00	50	46	+ 1	E	3	c	2	b	55	44	—	
	Prawle Point ...	30.35	47	ESE	1	c	30.39	+ .05	45	43	— 0	E	2	cm	1	cm	54	41	—	
	Jersey (St. Aubin's)	30.32	49	ENE	3	0	30.38	+ .07	45	41	— 4	E	3	og	3	a, b	54	41	—	
	Hurst Castle ...	30.34	52	E	2	b	30.40	+ .07	48	40	+ 2	NE	2	bc	0	bc, b	54	32	—	
	Dungeness ...	30.32	44	ENE	5	c	30.37	+ .10	43	40	+ 4	NE	4	c	2	a, c, p	48	36	—	
	North Foreland	30.34	42	NNE	5	c	30.39	+ .10	42	39	— 2	NNE	2	bc	3	cp, bc	45	38	—	
	London ...	30.35	47	NE	2	bc	30.41	+ .09	41	37	— 5	WSW	1	c	#	p, bc, b	52	34	—	
	Oxford ...	30.41	40	NE	1	b	30.41	+ .06	37	33	— 6	Z	0	bc	#	c, b	52	27	—	
	Cambridge ...	30.40	44	N	2	bc	30.41	+ .07	37	32	— 7	SSW	1	b	#	bc	52	24	—	
FRANCE AND BELGIUM.	Yarmouth ...	30.35	42	NNE	4	c	30.36	+ .08	42	38	— 1	W	2	bc	3	p, c	45	39	0.01	
	Cuxhaven ...	30.24	41	N	4	bc	30.29	+ .21	41	39	+ 1	NW	5	bc	#	bc	46	40	—	
	Berlin ...	30.18	37	NNE	3	b	30.28	+ .35	37	31	— 2	NW	3	b	#	b	45	30	—	
	Wiesbaden ...	30.12	39	SW	2	0	30.35	+ .22	40	33	— 2	N	2	b	#	#	48	36	—	
	Munich ...	30.12	39	SW	2	0	30.30	+ .25	32	29	— 5	NE	4	b	#	0	48	28	—	
	The Helder ...	30.38	40	NNE	4	bc	30.42	+ .17	40	37	— 1	N	1	c	1	bc	43	39	—	
	Brussels (9 a.m.)	30.29	43	NE	5	bc	30.45	+ .22	38	34	— 4	NE	2	c	#	0	48	31	—	
	Cape Gris Nez	30.29	43	NE	5	bc	30.34	+ .11	40	39	— 2	SE	2	0	#	bc	50	37	—	
	Paris ...	30.24	45	N	4	bc	30.36	+ .11	38	34	— 0	NNE	3	b	#	bc	53	33	—	
	Brest ...	30.23	52	ENE	3	b	30.32	+ .06	40	37	— 1	ENE	3	c	2	b	54	37	—	
PENIN- SULA.	Lorient ...	30.23	52	NE	5	b	30.32	+ .06	40	37	— 1	ENE	5	b	2	b	54	39	—	
	Rochefort ...	30.11	55	ENE	5	b	30.21	+ .08	41	38	+ 1	ENE	5	b	#	b	64	37	—	
	Belfort ...	30.11	49	NE	4	b	30.21	+ .08	41	38	+ 1	NE	4	bc	#	b	59	34	—	
	Lyons ...	29.99	54	N	4	b	30.17	+ .14	39	35	— 5	N	4	b	#	b	59	37	—	
	Nice ...	29.75	59	SW	1	b	29.91	+ .15	59	46	+ 5	E	1	bc	1	b	66	50	—	
	Perpignan ...	29.91	62	NW	4	b	30.03	+ .11	57	45	— 4	NW	4	b	#	b	70	51	—	
	Biarritz ...	30.08	55	NW	4	b	30.14	+ .10	46	41	— 12	NE	3	b	2	b	59	43	—	
	Corunna ...	30.10	58	N	3	bc	30.08	— .05	59	56	0	N	4	c	#	bc	66	57	—	
	Lisbon ...	30.10	58	N	3	bc	30.08	— .05	59	56	0	N	4	c	#	bc	66	57	—	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 14th April, 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

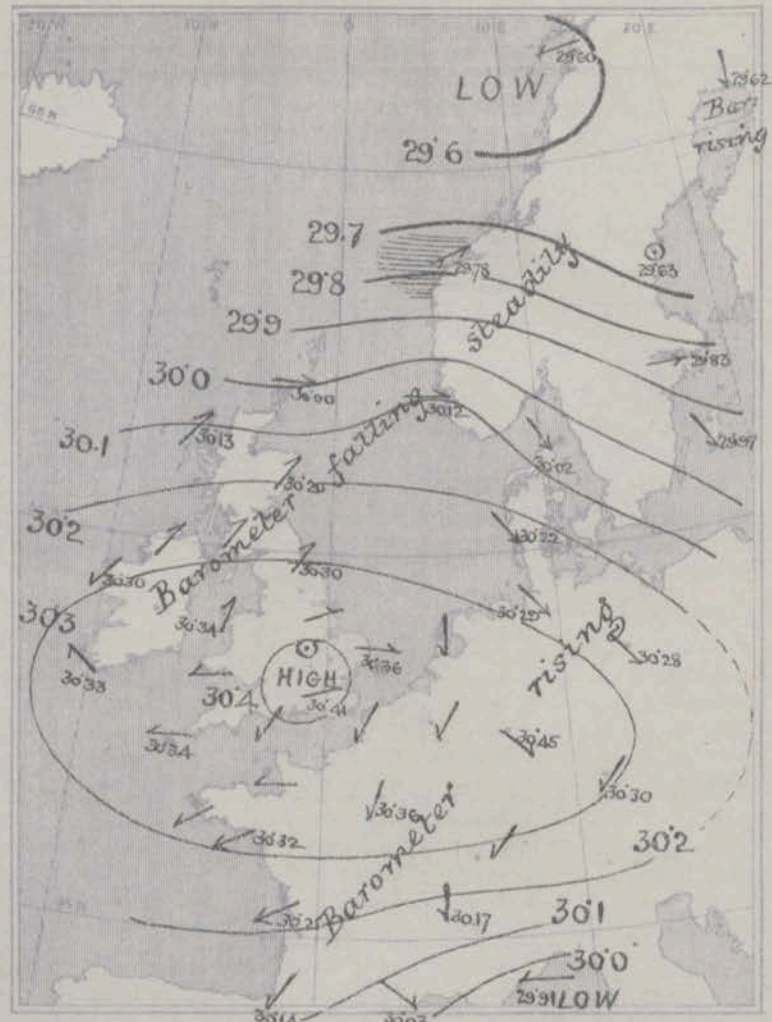
SEA DISTURBANCE—Where considerable, is shown thus—

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER.

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.867
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.862
Liverpool	29.867
Paranstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

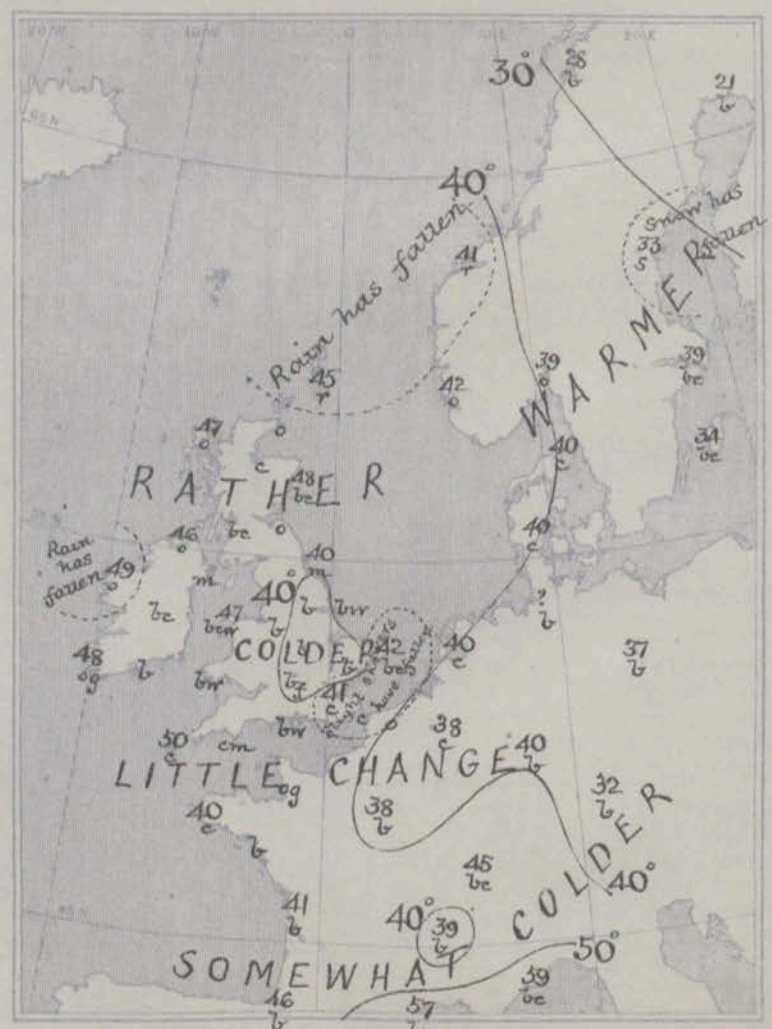
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.05
Wick	48.5	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.6	37.9	44.1	41.7	1.57
Shields	49.0	38.5	43.5	41.4	1.89
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Paranstown	54.6	38.0	45.0	42.5	2.04
Valencia	57.9	42.8	48.2	46.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.4	1.94
Sally	52.1	44.2	48.0	46.6	2.27
Prawle Point	51.9	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.6	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	55.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.1	42.1	1.74
Cambridge	53.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over central England; 30.3 ins. and upwards over the whole of England, Ireland, the Netherlands, western Germany and the N. of France.

Lowest 29.6 ins. and less in a depression lying off the N.W. of Norway, 30.0 ins. and less over the Gulf of Genoa.

Gradients slight. Barometer rising in France, Germany and the S. of England, but falling elsewhere.

Highest 59° at Nice and Lisbon, 57° at Perpignan, 56° at Seilly, 49° at Belmullet, 40° at Aberdeen & Heligoland.

Lowest (1) 21° at Haparanda, 28° at Bodø and 33° at Helsingfors; (2) 32° at Murmansk, and 37° at Berlin;

TEMPERATURE

(3) 35° at Loughborough, and 37° at Oxford and Cambridge.

Sharp frost occurred over England last night; in the screen the readings were as low as 24° at Loughborough and Cambridge, and 27° at Oxford, while on the grass the thermometers at Loughborough fell to 19°.

WIND

Light to moderate from the Wnd or SWnd in the more northern parts of the United Kingdom.

Strong from the Wnd at most of the Scandinavian stations, with a gale at Christiansund;

moderate to strong from the NWnd in Denmark and Germany.

Light from the End or NEnd in France and the extreme south of England.

WEATHER

Fair or fine over the greater part of western Europe but dull on our extreme western and northern coast, as well as in Norway, with rain at Loughborough & Christiansund. Snow was falling at Heligoland.

Slight showers fell yesterday in some parts of our Eⁿ and SEⁿ countries, but in only one instance (at Harwich) did the amount reach one hundredth of an inch in the gauge.

SEA

Slight or smooth generally, but moderate off the north of Scotland and rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further depressions are advancing over Scandinavia from the westward, and showery unsettled weather seems likely to spread over the northern parts of the United Kingdom. The southern districts are not likely to be affected just at present.

FORECASTS

For the 24 hours ending at NOON on 15TH APRIL 1893.

DISTRICTS.

FORECASTS.

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

Wnd winds, freshening; dull, rain at times

SWnd and Wnd winds, light or moderate; fair to showery.

Light breezes, chiefly SWnd fair generally.

DISTRICTS.

FORECASTS.

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

Same as Nos. 1 and 2.


End to variable breezes; fair generally.


Same as Nos. 1 and 2.

Same as No. 8.

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.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.29	39	33	NNW	7	o	3	Valencia ...	30.40	51	47	WSW	2	bew	2
Sumburgh Head ...	30.32	43	40	W	2	c	3	Scilly ...	30.33	52	47	NNE	3	b	2
Stornoway ...	30.37	46	43	S	2	c	2	Jersey ...	30.33	51	45	ENE	3	o	3
Aberdeen ...	30.39	46	40	SE	2	b	3	Hurst Castle ...	30.34	52	42	NNE	4	b	1
Shields ...	30.42	45	40	ENE	3	c	3	Dungeness ...	30.30	47	43	ENE	5	o	4
Ardrossan ...	30.37	32	49	SW	1	b	1	North Foreland ...	30.31	45	41	NNE	4	b	4
Malin Head ...	30.38	50	42	N	1	b	1	London ...	30.35	50	42	NE	3	c	#
Mullaghmore ...								Yarmouth ...	30.33	45	41	NNE	4	c	4
Behmullet ...	30.40	50	47	NE	3	og	#	Rocheport ...	30.43	61	51	ENE	5	b	#
Holyhead ...	30.35	45	47	N	2	b	1								

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

Weather in morning fine and bright over W^m Europe generally as well as at many of the SE^m stations, and over the Mediterranean; changed to over Scandinavia and N^m Russia, with snow at Christiansund and St. Petersburg. Rain locally at Cape Gris Nez, and extremely slight showers over some of the SE^m parts of England. Some rain later at few N^m and NW^m stations, but weather fine elsewhere.

Temperature fallen over Scandinavia and Scotland, risen over England, S^m and SE^m Europe. Morning readings, 61° at Algiers, 60° at La Caille, above 50° over S^m Europe generally, and above 40° over Ireland, England and the W. and N. of France. Lowest 16° at Uleaborg, 19° at Archangel, 24° at Hango, 26 at Moscow, and 30° on the Swedish coast generally; 37° at Breslau and Munich, 38° at Paris, 39° at Berlin, Dungeness, Wick and Sumburgh H^d. Failing to reach 55° in our Islands later except at one or two W^m stations; not reaching 50° over Germany and the Netherlands, but touching 64° at Rocheport, 66° at Nice, and 70° at Perpignan.

Wind light and anticyclonic over the greater part of the United Kingdom; NW^{ly} & N^{ly} over Scandinavia, the Baltic and the S^m sides of the North Sea - blowing with considerable force generally, and a gale at several Baltic stations; variable from NW and W over central Europe, from S over Russia. E^{ly} over the N^m part of the Adriatic, N^{ly} over the S. of Italy, NW^{ly} over Sicily and Malta. Becoming SW^{ly} in the N. of Scotland later, but blowing freshly from NE. on our SE. coasts all day.

Barometer highest 30.4 ins. and more to 30.2 ins. in the SE^m part of an anticyclone spreading from the Atlantic over the British Isles, the North Sea and the N. of France. Lowest 29.5 ins. and less in a depression over the White Sea and N. of Russia; 29.6 ins. and less in another over the S^m parts of the Adriatic, and 29.8 ins. and less in a secondary system lying off the SE. of France. Rising over the Baltic later, but beginning to fall in the N^m and W^m portions of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 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 Saturday, 15th April, 1893

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.		BAROMETR.		SHADE TEMP.		WIND.		SHADE TEMP.		WIND.			
		Reading at 5 ³⁰ P. and Sea Level.	Dry Bulb.	Wet Bulb.	Force (0 to 12).	Direction.	Reading at 5 ³⁰ P. and Sea Level.	Change since Yesterday Noon.	Dry Bulb.	Wet Bulb.	Change in dry shade Yesterday.	Direction.	Force (0 to 12).	Direction.	Max.	Min.	Amount of Rainfall.		
		Inch.	°				Inch.												
SCANDINAVIA.	Haparanda ...	29.63	21	2	0	S	29.49	-13	16	16	-5	S	14	b	4	b	30	9	-
	Hernösand ...	29.66	30	2	0	S	29.41	-12	40	39	+7	S	2	b	4	S	7	25	0.04
	Stockholm ...	29.69	39	W	2	b	29.63	-18	43	37	+4	WNW	4	c	4	b	48	27	-
	Visby ...	29.76	39	W	4	b	29.76	-21	50	56	+5	WNW	4	b	4	b	43	28	-
	Bodö ...	29.43	31	ENE	2	0	28.99	-61	35	34	+7	SSW	2	m	1	0	43	27	-
	Christiansund ...	29.60	42	W	8	0	29.35	-43	34	33	-7	W	8	3	5	0	43	34	0.43
	Skudesnaes ...	29.97	43	W	2	1	29.77	-35	45	42	+1	SW	5	1	3	1	46	41	-
	Christiania Fjord (Fjord)	29.81	41	SW	5	c	29.71	-23	41	39	+2	SW	5	c	3	c	43	39	-
	Skagen (The Scaw)	29.87	41	WNW	6	c	29.82	-26	44	41	+4	WNW	6	c	3	c	45	39	-
	Fanö ...	30.03	41	W	6	b	30.03	-19	47	41	+2	W	4	b	4	b	45	39	-
BRITISH ISLANDS.	Sumburgh Head	29.89	46	W	4	c	29.61	-39	42	42	-3	WNW	4	1	5	0	50	38	0.23
	Stornoway ...	30.04	49	SW	4	0	29.81	-32	50	50	+3	SW	4	1	6	0	51	45	0.12
	Wick ...	30.01	48	W	3	c	29.72	-38	49	48	+2	W	5	0	2	c	51	35	0.04
	Nairn ...	30.06	50	WNW	1	c	29.84	-32	50	46	+4	SW	3	0	2	c	54	44	-
	Aberdeen ...	30.07	52	WNW	3	b	29.87	-33	51	45	+3	WNW	3	c	2	b	59	42	-
	Leith ...	30.13	49	W	3	0	29.99	-25	50	45	+3	WSW	4	0	4	0	59	43	-
	Shields ...	30.15	54	WSW	3	b	30.06	-24	48	45	+3	SSW	3	m	2	c, b	60	36	-
	Spurn Head ...	30.17	49	WNW	3	cm	30.14	-19	47	46	+4	WSW	4	0	3	cm	58	40	-
	York ...	30.21	54	W	1	b	30.15	-20	45	42	+6	WSW	1	b	4	b	61	34	-
	Loughborough	30.23	56	SW	1	b	30.22	-18	47	43	+12	WSW	2	cm	4	b	61	28	-
GERMANY & HOLLAND.	Ardrossan ...	30.16	49	WSW	3	0	30.03	-23	47	46	+1	SW	4	cm	3	0	53	43	-
	Malin Head ...	30.17	49	W	3	0	30.02	-26	45	46	+2	SW	4	0	2	0	51	46	-
	Mullaghmore ...	30.19	50	SW	3	0	30.07	-23	51	49	+2	SW	4	0	4	0	52	45	-
	Belmullet ...	30.21	53	W	3	c	30.11	-20	48	44	+3	W	3	c	1	c	57	43	-
	Donaghadee ...	30.21	53	W	3	c	30.11	-20	48	44	+3	W	3	c	1	c	57	43	-
	Liverpool (Sadler)	30.25	49	WNW	2	b	30.19	-16	48	44	+3	WSW	1	b	1	b	54	42	-
	Holyhead ...	30.25	48	SW	2	b	30.18	-16	46	46	-1	SW	2	c, g, w	2	b	53	44	-
	Parsonstown ...	30.23	54	SE	1	b	30.13	-21	49	46	+3	SE	1	c	3	b	56	40	-
	Valencia ...	30.24	52	S	3	cm	30.14	-19	53	51	+5	S	3	cm	3	b, cm	55	47	-
	Roche's Point	30.27	57	S	3	c	30.19	-18	50	48	+8	S	3	0	3	c	54	43	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.29	48	SSW	2	b	30.22	-15	47	44	0	SW	4	c, g	3	c	51	45	-
	Scilly ...	30.30	47	SE	4	c	30.23	-11	50	45	0	SSW	3	b	2	b, c	54	43	-
	Prawle Point ...	30.31	48	SE	2	b	30.28	-11	47	44	+2	SW	1	b	0	b	57	38	-
	Jersey (St. Aubin's)	30.30	50	NE	3	b	30.29	-09	52	47	+7	E	2	b, m, w	2	b	53	36	-
	Hurst Castle ...	30.31	50	WSW	1	b	30.28	-12	44	42	+1	ENE	1	b	1	b	52	32	-
	Dungeness ...	30.28	45	S	2	b	30.25	-12	46	44	+3	WSW	2	b	0	b	49	29	-
	North Foreland	30.24	44	SE	1	b	30.23	-16	50	44	+8	WSW	1	b	2	b	50	35	-
	London ...	30.28	53	SW	1	b	30.26	-15	46	41	+5	WSW	1	b	4	b, b	57	34	-
	Oxford ...	30.28	49	WSW	1	b	30.25	-16	42	40	+5	SW	1	b	4	b	50	34	-
	Cambridge ...	30.26	55	SSW	1	b	30.23	-18	44	40	+7	SSW	1	b	4	b	61	30	-
PENINSULA.	Yarmouth ...	30.25	47	S	3	b	30.20	-16	46	43	+4	W	2	b, m	2	b	47	36	-
	Cuxhaven ...	30.25	42	WNW	4	b	30.15	-14	43	42	+2	W	3	c	4	b	44	41	-
	Berlin ...	30.19	42	WNW	4	0	30.16	-12	42	39	+5	WNW	4	0	4	0	47	37	-
	Wiesbaden ...	30.28	41	SE	2	b	30.28	-07	40	38	0	SW	2	b	4	b	52	32	-
	Munich ...	30.31	47	SE	2	b	30.28	-02	41	36	+9	SW	2	b	4	b	45	30	-
	The Helder ...	30.31	42	SW	2	b	30.22	-20	45	43	+5	WSW	4	b	2	b	45	39	-
	Brussels (o a.m.)	30.30	43	SE	1	b	30.30	-15	43	40	+5	SW	1	b	4	b	50	33	-
	Cape Gris Nez	30.27	40	NE	1	b	30.23	-11	43	41	+3	WSW	1	m	0	b	50	36	-
	Paris ...	30.27	54	NE	3	b	30.30	-06	43	37	+1	W	0	b	4	b	59	30	-
	Brest ...	30.27	52	NE	3	b	30.26	-06	43	42	+3	E	1	b	1	b	59	40	-
PENINSULA.	Lorient ...	30.25	52	WNW	4	b	30.26	-06	45	41	+5	ENE	3	b	2	b	61	39	-
	Rocheport ...	30.13	61	E	3	b	30.20	-01	44	40	+3	E	3	b	4	b	70	39	-
	Belfort ...	30.13	57	ENE	3	b	30.30	+13	46	37	+7	E	1	b	4	b	58	37	-
	Lyons ...	30.13	56	W	2	b	30.30	+39	50	44	-9	E	1	b	3	b	66	34	-
	Nice ...	30.04	57	SW	1	b	30.25	+22	52	45	-5	SW	1	b	4	b	70	42	-
	Perpignan ...	30.07	64	WNW	2	b	30.14	-00	50	46	+4	E	2	b	1	b	63	45	-
	Biarritz ...	30.12	54	WNW	2	b	30.17	+09	58	55	-1	NE	2	b	4	b	70	54	-
	Corunna ...	30.11	57	WNW	4	b	30.17	+09	58	55	-1	NE	2	b	4	b	70	54	-
	Lisbon ...	30.11	57	WNW	4	b	30.17	+09	58	55	-1	NE	2	b	4	b	70	54	-

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Chart on n.

WEATHER CHARTS

for 8 a.m. on Saturday, 15th April, 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—

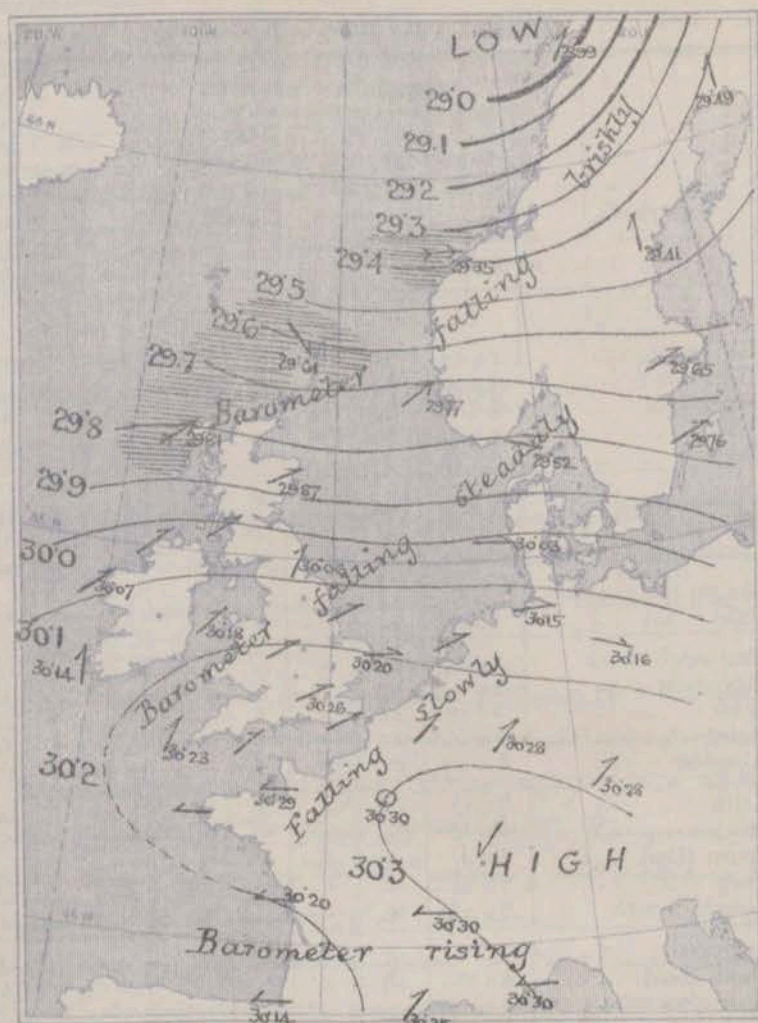
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER.

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.873
Loughborough	29.873
Ardrossan	29.857
Mull. Amoy	29.839
Doughadoo	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Scilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.873
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

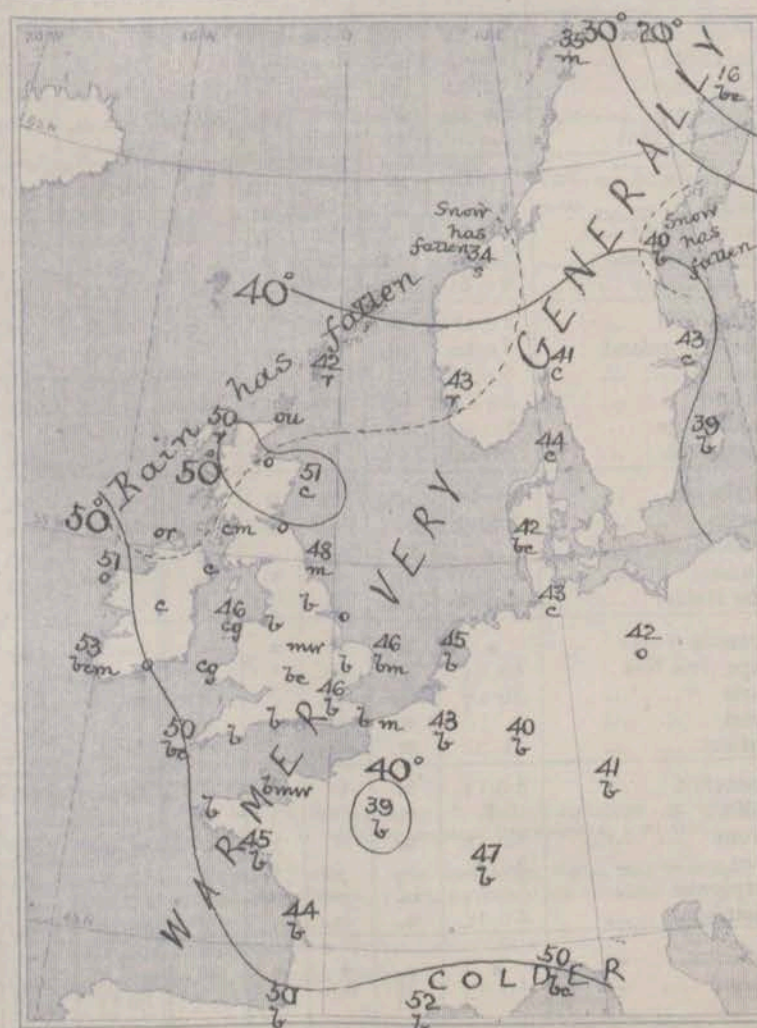
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of .05 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	45.0	38.7	41.7	40.2	2.07
Stornoway	45.9	37.2	43.8	42.3	2.65
Wick	45.9	36.9	42.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.89
Spurn Head	48.4	40.3	44.0	42.5	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.0	42.3	45.3	43.0	2.05
Doughadoo	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.1	41.9	45.2	43.4	1.94
Scilly	52.1	44.7	48.0	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.6	46.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.2	44.0	1.77
LONDON	58.0	38.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.5	45.2	43.0	1.09
Yarmouth	49.1	39.0	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. to 30.3 in. in an anticyclone lying over France, Germany, the Netherlands, and the southern parts of England.
 Lowest, 29.0 in. and less, in a depression lying off the northwest of Norway.
 Gradients moderate over Scandinavia, Denmark, and the North Sea, but slight elsewhere.
 Barometer falling at all but the French stations — briskly in the extreme north.

TEMPERATURE

Highest, 53° at Lisbon, 53° at Valence (Ireland), 52° at Jersey and Perpignan, and 51° at Aberdeen, Birmmgham, and St. Paul.
 Lowest, 16° at Haparanda, 34° at Christianmnd, 35° at Porto, 39° at Nisy and Paris, and 40° at Wiesbaden.
 Frost again occurred last night over some of the inland part of England, in London the thermometer on the grass fell to 24°.

WIND

SW or W^{ly} over the greater part of Northwestern Europe, but S^{ly} over the northern half of Sweden; light or moderate in force generally, but strong to a gale at Helsingfors and Christianmnd.
 Light from the E^{ast} in the west and south of France.

WEATHER

Fine and bright over England, France, the Netherlands, and the western and southern parts of Germany, but with a cold haze at Copenhagen.
 Cloudy or overcast elsewhere, with rain on our extreme north and northwest coasts, and with snow at Christianmnd.
 Since yesterday morning a little rain has fallen in the extreme north of Scotland, but in all other parts of the Kingdom the weather has remained exceedingly dry.

SEA

Rather rough off the north of Scotland and also at Christianmnd, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions which are now appearing off our northern coast seem likely to occasion a gradual extension of showery unsettled weather. The southern part of the Kingdom are scarcely likely to be affected during the ensuing twenty-four hours.

FORECASTS

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

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SW ^{ly} and W ^{ly} winds, strong; drizzle, rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ^{ly} winds, moderate or fresh; fair to showery. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | Same as No 5 |
| 5 | ENGLAND SOUTH | |
| | | SW ^{ly} winds, light or moderate; fair generally. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | Same as Nos 1 and 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | S ^{ly} and SW ^{ly} winds, moderate; fair generally. |
| 9 | IRELAND NORTH | S ^{ly} and SW ^{ly} winds, freshening; cloudy, 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.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.01	46	44	W	4	om	2	Valencia ...	30.29	55	51	S	4	bcn	4
Sumburgh Head ...	29.93	47	47	W	4	0	4	Scilly ...	30.33	54	49	ESE	3	bc	2
Stornoway ...	30.05	50	47	SW	4	0	4	Jersey ...	30.46	52	46	ESE	5	b	1
Aberdeen ...	30.11	57	47	NW	3	bc	2	Hurst Castle ...	30.55	50	45	SW	1	b	1
Shields ...	30.21	59	51	SW	3	c	2	Dungeness ...	30.35	47	43	SSE	1	b	1
Ardrossan ...	30.21	53	48	W	2	0	2	North Foreland ...	30.32	45	42	ESE	1	b	2
Malin Head ...	30.23	50	46	W	3	0	2	London (Westminster) ...	30.33	55	46	SSW	2	b	4
Mulhargmore ...								Yarmouth ...	30.32	45	41	S	5	b	4
Belmullet ...	30.26	51	47	SW	3	0	4	Rocheport ...	30.20	64	53	ESE	3	b	2
Holyhead ...	30.31	51	47	SW	2	0	2								

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

Weather fair or fine over the greater part of our Islands and the Continent, but dull on our extreme western and northern coasts and in the west of Norway, with rain at Lumburgh Head and Christiansund. Dull over the central and southern parts of Russia and in Eastern Austria, with rain at Kharkov, and with snow at Moscow and Kormantadt, as well as at Helsingfors. Rain falling later in the extreme north of Scotland; no important change occurring elsewhere.

Temperature risen over the United Kingdom, Scandinavia, and Denmark, but fallen in most other countries. Morning readings highest 65° at Barcelona, 61° at Helsingfors and Oren, and 59° at Hie and Lisbon; above 55° at most of the Mediterranean stations. Lowest 17° at Uleaborg, 21° at Helsingfors and Kaspie, 22° at St. Petersburg, and 26° at Helsingfors; below the freezing point in Poland and the southern parts of Germany, and very little above it over Central England. Rising during day to a little above 60° at some of the English stations, and to between 65° and 70° in the west and south of France. Frost occurring over the inland parts of England at night.

Wind light to moderate from the End or NEnd over France, Spain, and the south of our Islands, but SWnd or Wnd in all the more northern parts of the United Kingdom; strong to a gale from the Wnd at some of the Scandinavian stations, NWnd in Denmark, Germany, and Austria, and Nnd over the greater part of Italy and the south of Russia. Variable in Algeria. Snd and SWnd breezes setting in later over the southern parts of our Islands, no important change occurring elsewhere.

Barometer highest 30.1 ins. to 30.4 ins. in an anticyclone covering our Islands, the North Sea, Denmark, Germany, France, and the greater part of Spain. Lowest 29.3 ins. and less, over the extreme north of Russia, and also in a well-marked depression lying over the south of that country; 29.6 ins. and less, in a shallow disturbance off the northwest of Norway, 29.9 ins. and less, in a still shallower system over Corsica, Sardinia, and the neighbouring parts of the Mediterranean. Gradual fall of barometer taking place over Western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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 Sunday 16th April,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.			
		Reading at 52° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 52° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.				
SCANDINAVIA.	Haparanda ...	29.78	32	E	2	S	29.75	-.74	23	23	+	7	NNW	8	S	#	3	32	7	0.35		
	Hernösand ...	29.14	33	NN	6	b	29.15	-.26	34	30	-	6	NNW	9	b	#	6	48	27	-		
	Stockholm ...	29.32	36	WSW	6	r	29.39	-.26	36	28	-	7	W	8	b	#	7	55	26	-		
	Wisby ...	29.47	43	WSW	8	o	29.54	-.22	36	32	-	3	NN	6	b	#	0	48	32	-		
	Bodö ...	28.83	32	NNW	2	m	29.21	+.32	31	29	-	4	N	6	bc	3	m	37	27	-		
	Christiansund...	29.46	35	WSW	9	S	29.60	+.25	33	33	-	1	NE	1	s	6	st	37	30	0.67		
	Skudesnaes ...	29.85	36	NN	7	o	29.95	+.18	32	32	-	10	NNW	7	bc	4	co	43	30	-		
	Christiania Fjord (Fjorder)	29.58	40	NN	3	b	29.70	-.01	35	31	-	6	NNW	8	b	3	b	43	34	-		
	Skagen (The Scaw)	29.61	39	NN	7	o	29.75	-.07	38	34	-	6	NN	7	b	4	o	30	36	-		
	Fanö ...	29.91	44	WSW	6	o	29.98	-.05	40	35	-	2	NN	6	c	#	o	48	37	-		
BRITISH ISLANDS.	Sumburgh Head	29.95	34	NN	4	o	30.14	+.53	31	30	-	11	NNW	3	cps	5	qo	42	29	0.01		
	Stornoway ...	30.03	42	N	4	o	30.14	+.33	38	36	-	12	NE	6	o	5	o	50	30	0.02		
	Wick ...	30.01	38	N	4	o	30.15	+.43	36	34	-	13	N	4	o	2	o	49	32	0.06		
	Nairn ...	30.02	40	Z	0	r	30.15	+.31	38	35	-	12	ENE	2	o	2	r	53	35	0.04		
	Aberdeen ...	30.01	40	N	3	o	30.18	+.31	38	34	-	13	NE	2	o	3	opq.	55	37	0.06		
	Leith ...	29.97	52	WSW	4	c	30.14	+.45	36	36	-	14	E	2	r	#	c	52	35	0.38		
	Shields ...	30.02	52	WSW	3	r	30.11	+.05	41	41	-	7	NE	3	r	3	or	55	38	0.04		
	Spurn Head ...	30.06	49	W	4	bc	30.08	-.06	46	48	+	2	NNW	3	c	3	bc	56	45	-		
	York ...	30.09	52	W	3	b	30.10	-.05	51	48	+	6	W	2	bc	#	b	56	44	0.03		
	Loughborough	30.12	57	W	2	b	30.15	-.07	46	44	-	1	W	1	cu	#	b	62	38	-		
GERMANY & HOLLAND.	Ardrossan ...	30.02	51	WSW	3	cp	30.06	+.03	40	40	-	7	NE	4	rm	2	ocp	51	38	0.17		
	Malin Head ...	30.01	52	WSW	4	om	30.00	-.02	50	50	+	2	SSW	4	od	2	om	57	48	0.24		
	Mullaghmore ...	30.06	51	SW	4	od	29.98	-.09	52	51	+	1	S	3	or	#	od	55	49	0.08		
	Belmullet ...	30.04	58	W	4	c	30.06	-.05	50	49	+	2	W	3	c	1	c	59	47	0.02		
	Liverpool (Bidston)	30.12	51	W	3	b	30.13	-.06	52	47	+	4	SW	1	b	1	b	53	45	-		
	Holyhead ...	30.14	48	SW	4	b	30.11	-.07	48	48	+	2	SSW	3	omg	2	b	52	45	-		
	Parsonstown ...	30.10	58	SW	1	o	30.07	-.06	52	52	+	3	SW	1	r	#	o	60	48	0.02		
	Valencia ...	30.13	53	S	4	om	30.06	-.08	52	52	-	1	S	3	rm	3	om	56	50	0.35		
	Roche's Point	30.16	52	SSW	4	o	30.13	-.06	51	50	+	1	SSW	4	rm	4	o	58	49	-		
	Pembroke (St. Ann's Hd.)	30.19	48	SW	3	c	30.17	-.05	49	47	+	2	SW	3	cg	3	c	53	46	-		
FRANCE AND BELGIUM.	Scilly ...	30.23	51	SSW	3	c	30.17	-.06	52	49	+	2	SSW	3	c	3	bc	57	45	-		
	Prawle Point ...	30.23	46	W	3	bc	30.23	-.05	47	45	+	0	SW	2	cm	1	bc	51	39	-		
	Jersey (St. Aubin's)	30.23	57	SE	1	bm	30.24	-.05	54	50	+	2	ESE	1	bm	1	bm	60	39	-		
	Hurst Castle ...	30.20	49	WSW	4	b	30.21	-.07	48	46	+	4	W	2	bm	1	b	52	40	-		
	Dungeness ...	30.16	49	WSW	4	bc	30.17	-.08	50	46	+	4	W	3	b	2	bc	53	40	-		
	North Foreland	30.12	54	WSW	3	bc	30.16	-.07	49	45	-	1	W	1	b	2	b, q	59	40	-		
	London ...	30.15	57	SW	2	b	30.18	-.08	48	44	+	2	SW	2	b	#	b	63	37	-		
	Oxford ...	30.18	49	WSW	1	bc	30.18	-.07	46	43	+	4	W	1	bc	#	bc	61	37	-		
	Cambridge ...	30.12	52	WSW	1	bc	30.14	-.09	47	43	+	3	SSW	1	c	#	bc	64	30	-		
	Yarmouth ...	30.08	58	NNW	3	b	30.12	-.08	50	46	+	4	W	2	b	2	b	60	39	-		
PENINSULA.	Cuxhaven ...	30.08	42	NNW	4	c	30.02	-.13	43	42	+	0	NNW	4	r	#	c	50	42	-		
	Berlin ...	30.04	53	NNW	4	o	30.00	-.16	48	43	+	6	NNW	3	c	#	o	57	39	-		
	Wiesbaden ...	#	#	#	#	#	30.19	-.09	49	43	+	9	W	1	b	#	#	63	32	-		
	Munich ...	30.23	49	SW	1	b	30.24	-.04	50	42	+	9	W	4	bc	#	b	59	37	-		
	The Helder ...	30.18	46	SW	1	c	30.14	-.08	46	45	+	1	WSW	2	f	1	c	50	45	-		
	Brussels (9 a.m.)	#	#	#	#	#	30.20	-.10	45	42	+	2	SW	3	b	#	c	61	37	-		
	Cape Gris Nez	30.17	43	WSW	1	bc	30.15	-.08	46	45	+	3	W	2	b	2	bc	52	43	-		
	Paris ...	30.21	63	S	2	b	30.25	-.05	43	40	+	4	Z	0	b	#	b	68	34	-		
	Brest ...	?	50	NNW	1	bc	?	?	50	49	+	7	E	1	bc	1	bc	64	45	-		
	Lorient ...	30.23	59	NNW	2	bc	30.24	-.02	47	44	+	2	ESE	1	bc	2	bc	66	45	-		
FRANCE AND BELGIUM.	Rochefort ...	30.19	58	NN	2	b	30.19	-.01	53	51	+	9	NN	3	b	#	b	70	44	-		
	Belfort ...	?	60	NNW	2	b	?	?	47	43	+	0	NNW	3	bc	#	b	68	36	-		
	Lyons ...	30.22	61	E	1	b	30.28	-.02	51	44	+	5	SSW	1	b	#	b	69	42	-		
	Nice ...	30.28	50	SE	1	b	30.23	-.07	48	43	-	2	E	1	c	2	b	59	43	-		
	Perpignan ...	30.25	58	Z	0	b	30.30	+.05	53	50	+	1	Z	0	b	#	b	66	43	-		
	Biarritz ...	30.15	62	N	2	b	30.22	+.08	50	54	+	6	E	1	b	0	b	77	50	-		
PENINSULA.	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#		
	Lisbon ...	30.24	61	W	3	b	30.25	+.08	61	57	+	3	NNE	2	b	#	b	70	55	-		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 16th April. 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.

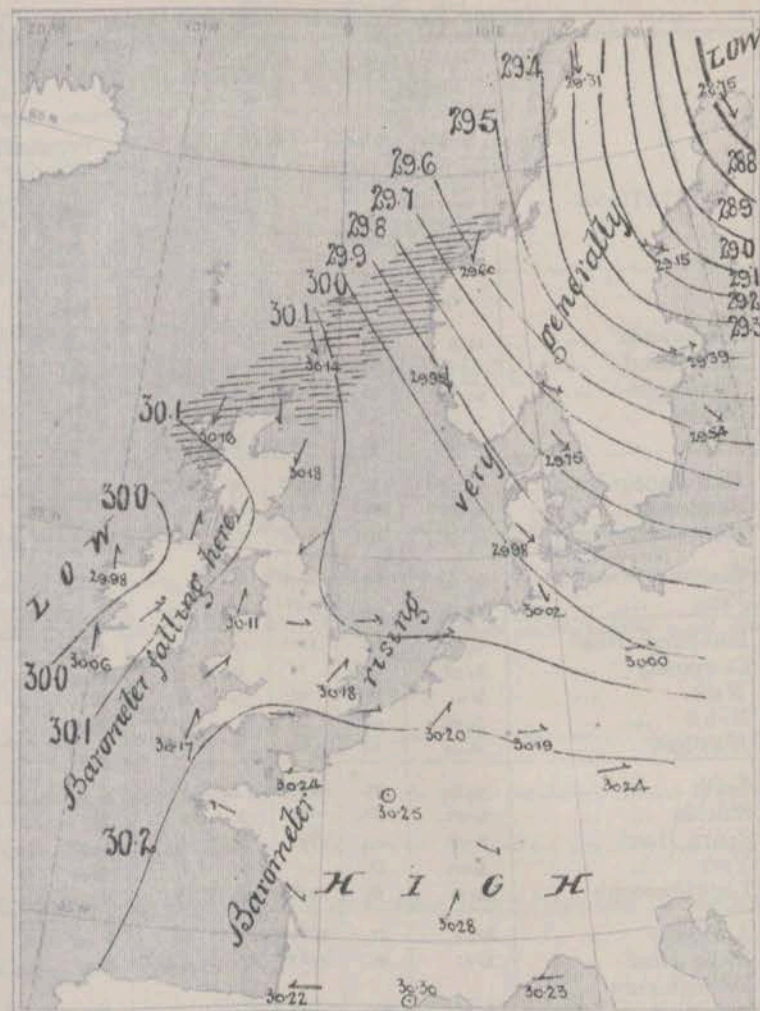
MEAN HEIGHT OF THE BAROMETER.

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Samburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Androsman	29.867
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.867
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Rocha's Point	29.851
Pembroke	29.852
Scilly	29.856
Pravla Point	29.876
Jersey	29.872
Hurd's Castle	29.874
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: and more to 30.2 in: over the Mediterranean and France, and exceeding 30.1 in: over nearly the whole of Great Britain.
 Lowest, 29.8 in: and less, in a large and deep depression over the north of Ireland and west of England, and 30.0 in: and less off the northwest of Ireland.
 Gradients steep over Scandinavia and the Baltic, slight elsewhere.
 Barometer falling over Russia, rising over Sweden, Norway, and the North Sea, falling off our northwestern coast.

TEMPERATURE

Highest, 61° at Lisbon, 50° and more over the south and east of France, and the southeast and extreme west of the British Isles, as well as at York.
 Lowest, (1) 23° at Napasanda, 33° at Porto, 34° at Helsingfors; (2) 31° at Edinburgh H., and 36° to 38° in the north and east of Scotland; (3) 43° at Paris.
 Maxima recorded yesterday 66° at Parnassus and Jersey, 61° to 64° over England and Central France, 70° at Rochefort, 77° at Biarritz.

WIND

(1) N., light to strong over Norway and the north of Scotland, W., a fresh to strong gale in Sweden, SW over Ireland.
 (2) S., moderate on our western coast, W., light in the Channel, E., light over Brittany and the Bay of Biscay.

WEATHER

Rainy in Ireland, dull, and at times, showery in Scotland, fair to bright over England, very fine over France, rather unsettled over Germany. Rainfall 0.4 in: at some Scotch stations and Valencia, none in the east and south of England— but a good deal of cirrus cloud about.

SEA

Rough in the north, slight to smooth in the east and north generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED

NONE ISSUED

Note.—The South Cone, point downwards (V), 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.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.72	41	39	NNW	7	c	4	Valencia ...	30.15	56	53	S	4	om	4
Samburgh Head	29.84	38	34	NW	4	c	5	Scilly ...	30.23	57	52	SSR	3	bc	2
Stornoway ...	29.94	45	45	NW	6	o	4	Jersey ...	30.27	57	51	SSR	3	b	3
Aberdeen ...	29.84	46	44	N	5	cpq	3	Hurst Castle							
Shields ...	30.08	53	48	WSW	4	o	2	Dungeness...	30.20	52	49	WSW	3	bc	2
Ardrossan ...	30.03	49	48	WSW	3	o	3	North Foreland...	30.14	52	53	SW	3	b	3
Malin Head ...	30.02	54	51	SW	4	o	3	London ...	30.18	62	51	SW	2	bc	
Mullaghmore ...								Yarmouth ...	30.12	60	49	W	3	b	3
Belmullet ...	30.03	53	51	SSW	4	o		Rochefort ...	30.21	66	56	NW	3	b	
Holyhead ...	30.17	51	46	SW	4	b	3								

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

Weather in morning still fine and bright over the Mediterranean, southwestern, and western Europe, changeable over the more northern countries, with snow over the Gulf of Finland and at Christiansund, rain at Skudesnaes, and at Samburgh H., Stornoway, and Malin H.; dull over Eastern Europe, with snow at Arkharov. Rain setting in later over Ireland and the northern half of Great Britain, snow over Finland and the north of Russia.

Temperatures risen over the United Kingdom, Central Europe, and the Baltic, fallen over southeastern Europe, Italy, and the Mediterranean. Morning readings ^(Lisbon) 50° to 60° over Southern Europe, and exceeding 50° in the extreme west of our Islands. Lowest 16° at Skopwanda, and 34° to 35° in the northwest of Norway. Rising later to between 60° and 64° in many parts of England, and to 60° at Rinnonsaara; touching 68° at Paris, 70° at Rochefort and 71° at Bismarck, and 90° at Algiers (Algeria), but not exceeding 66° at any of the Italian stations.

Wind light from between NE. and E. over France and the Bay of Biscay, and very variable in the Channel; SW ^{moderate} over the greater part of our Islands, but blowing a gale at Stornoway; W to S over Scandinavia, and blowing hard at Christiansund. A strong W gale setting in over Scandinavia later, and a S gale over Finland, but wind veering to the N in the north of Scotland and moderating.

Barometer highest 30.3 ins. and more to 30.2 ins. over the Mediterranean, France, Germany, and southeastern Europe. Lowest 29.0 ins. and less off the coast of Denmark. Gradients moderate over the northern countries, slight in the south. Large and deep depression advancing over Lapland from the westward later, and developing a secondary over the Gulf of Bothnia.

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, 17 April, 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 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).			Max.	Min.																
																				Ins.	°				Ins.	°	°	°				°	Ins.
SCANDINAVIA.	Haparanda ...	29.99	24	NNW	9	S	29.33	+58	27	26	+4	4	N	8	0	4	28	10	0.04														
	Hernösand ...	29.53	30	NW	4	b	29.71	+56	31	27	-3	4	NW	8	0	6	43	25	-														
	Stockholm ...	29.58	37	NW	4	b	29.79	+40	32	26	-4	4	NW	6	0	6	48	27	-														
	Wisby ...	29.63	35	NNW	4	b	?	?	33	31	-3	4	N	8	0	6	45	32	-														
	Bodö ...	29.62	30	NNW	6	bc	29.84	+53	29	27	-2	4	NW	2	0	6	31	25	-														
	Christiansund...	29.95	28	NNW	8	S	30.16	+56	31	30	-2	4	NNW	6	5	5	?	27	0.51														
	Skudesnaes ...	30.09	32	NNW	8	bc	30.28	+33	34	32	+1	4	N	4	0	3	34	28	-														
	Christiania Fjord (Vardø)	29.80	35	NW	6	c	30.08	+38	33	30	-2	4	NNW	6	0	1	0	39	30	-													
	Skagen (The Sow)	29.85	36	NNW	5	b	30.13	+38	35	31	-3	4	N	5	0	3	0	43	34	-													
	Fanö ...	30.06	37	NW	6	c	30.19	+21	34	30	-6	4	N	4	0	0	0	43	34	-													
BRITISH ISLANDS.	Sumburgh Head	30.21	34	NNW	2	0	30.29	+15	35	32	+4	4	2	0	0	3	0	36	28	0.01													
	Stornoway ...	30.18	39	NE	6	bc	30.13	-01	42	39	+4	4	SE	5	0	3	6, bc	42	35	-													
	Wick ...	30.25	36	NE	4	0	30.25	+10	38	35	+2	4	E	5	0	2	0	40	35	-													
	Nairn ...	30.21	38	E NE	2	0	30.21	+06	38	35	0	4	E NE	2	0	2	0	40	30	-													
	Aberdeen ...	30.25	38	E NE	2	0	30.33	+15	39	34	+1	4	SSE	3	0	4	0	41	35	-													
	Leith ...	30.19	36	ESE	3	+	30.26	+12	39	36	+3	4	ESE	3	0	4	+	40	35	0.15													
	Shields ...	30.18	39	E	3	+	30.30	+19	41	38	0	4	SE	3	0	2	+	41	36	0.20													
	Spurn Head ...	30.10	44	E NE	4	0	30.30	+22	41	38	-8	4	ESE	4	0	4	0	55	38	0.06													
	York ...	30.15	43	NE	1	0	30.30	+20	41	39	-10	4	E	2	0	0	0	54	36	0.20													
	Loughborough	30.12	55	W	2	0	30.28	+13	41	40	-5	4	E	2	0	0	0.7	65	41	0.21													
GERMANY & HOLLAND.	Ardrossan ...	30.10	38	NE	5	rm	30.19	+13	39	39	-1	4	NE	3	0	1	rm	40	35	0.21													
	Malin Head ...	30.00	45	SE	5	ogt	30.03	+03	44	44	-6	4	SE	6	0	3	ogt	52	43	0.24													
	Mullaghmore ...	29.98	53	SW	2	om	29.97	-01	53	52	+1	4	SSE	2	0	0	om	53	51	0.27													
	Belmullet ...	30.05	47	NE	2	0	30.17	+11	43	43	-7	4	ESE	6	+	4	og	57	43	0.67													
	Donaghadee ...	30.13	51	2	0	+	30.22	+09	42	41	-10	4	ESE	3	+	3	+	56	40	0.28													
	Liverpool (Bidston)	30.10	44	SSW	4	ogm	30.13	+02	44	44	+1	4	SSE	4	gmd	3	cm, gm	52	47	0.48													
	Holyhead ...	30.04	55	SW	1	+	30.08	-02	53	52	+1	4	SE	1	0	0	0.7	55	50	0.43													
	Parsonstown ...	30.06	53	S	2	om	30.01	-05	53	53	+1	4	SSE	4	om	3	cm	54	51	0.26													
	Valencia ...	30.11	51	SSE	4	rm	30.07	-06	51	51	0	4	SSE	4	rm	4	rm	52	49	0.12													
	Roche's Point	30.15	47	NSW	2	+	30.16	-01	49	48	0	4	S	3	ogm	4	0.7	50	47	0.10													
FRANCE AND BELGIUM.	Scilly ...	30.16	54	SSW	4	c	30.15	-02	53	52	+1	4	ESE	3	0	3	0	57	49	-													
	Prawle Point ...	30.18	49	NSW	2	c	30.21	-02	50	50	+3	4	SW	1	0	0	0	53	46	-													
	Jersey (St. Aubin's)	30.19	56	NNW	2	b	30.22	-02	51	49	-3	4	2	0	om	0	0	62	45	-													
	Hurst Castle ...	30.18	50	NSW	3	c	30.21	00	50	49	+2	4	2	0	cm	0	0	53	48	-													
	Dungeness ...	30.12	50	NSW	4	bc	30.20	+03	49	48	-1	4	NE	4	+	3	bc	54	47	0.01													
	North Foreland	30.10	55	S	1	c	30.23	+07	45	44	-4	4	ESE	5	ogq	5	bc, g	56	43	-													
	London ...	30.12	58	NW	2	c	30.25	+07	46	45	-2	4	NE	2	ogq	4	bc, o, d	62	46	0.02													
	Oxford ...	30.15	54	W	1	+	30.24	+06	46	45	0	4	E NE	2	+	4	0	60	45	0.04													
	Cambridge ...	30.11	59	W	1	0	30.29	+15	43	42	-4	4	E NE	2	+	4	0	67	41	0.10													
	Yarmouth ...	30.10	52	SSE	2	bcm	30.28	+16	41	40	-9	4	E	5	cp	4	bcm	57	40	0.08													
PENINSULA.	Cuxhaven ...	30.11	39	NW	4	bc	30.22	+20	39	37	-4	4	N	5	bc	4	bc	44	38	0.02													
	Berlin ...	30.04	43	NNW	4	+	30.12	+12	37	37	-11	4	NW	5	0	4	+	52	36	0.04													
	Wiesbaden ...	30.16	51	+	2	+	30.16	-03	51	47	+2	4	NNW	3	0	4	+	68	37	-													
	Munich ...	30.15	63	SW	1	c	30.13	-11	52	43	+2	4	SW	4	0	4	+	64	45	-													
	The Helder ...	30.21	41	NE	4	+	30.35	+21	41	36	-5	4	NE	4	bc	3	+	48	39	0.04													
	Brussels (9 a.m.)	30.26	41	40	-5	4	30.26	+06	41	40	-5	4	E NE	5	+	4	0	64	40	0.04													
	Cape Gris Nez	30.12	48	48	+2	4	30.12	-03	48	48	+2	4	2	0	+	1	0	52	45	-													
	Paris ...	30.21	51	45	+8	4	30.21	-04	51	45	+8	4	N	1	0	4	0	78	43	-													
	Brest ...	30.21	52	45	+2	4	?	?	52	45	+2	4	NW	1	0	3	0	59	50	-													
	Lorient ...	30.21	50	49	+3	4	30.21	-03	50	49	+3	4	E NE	2	0	3	0	63	47	-													
PENINSULA.	Rochefort ...	30.21	59	NNW	3	b	30.19	00	55	52	+2	4	NSW	2	bc	4	b	70	50	-													
	Belfort ...	30.14	65	ESE	1	b	30.19	-09	58	47	+7	4	NNW	1	bc	4	+	75	51	-													
	Lyons ...	30.23	52	SSE	1	c	30.18	-05	53	51	+3	4	2	0	0	1	0	59	48	-													
	Nice ...	30.19	67	NW	1	b	30.21	-09	60	51	+7	4	W	2	bc	4	+	74	53	-													
	Perpignan ...	30.18	63	N	2	bc	30.19	-03	57	50	+1	4	S	2	0	4	+	66	52	-													
	Biarritz ...	30.19	64	N	3	bc	30.14	-11	59	53	-2	4	E NE	4	0	4	+	73	55	-													
Corunna ...	30.19	64	N	3	bc	30.14	-11	59	53	-2	4	E NE	4	0	4	+	73	55	-														
Lisbon ...	30.19	64	N	3	bc	30.14	-11	59	53	-2	4	E NE	4	0	4	+	73	55	-														

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Monday, 17th April, 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:

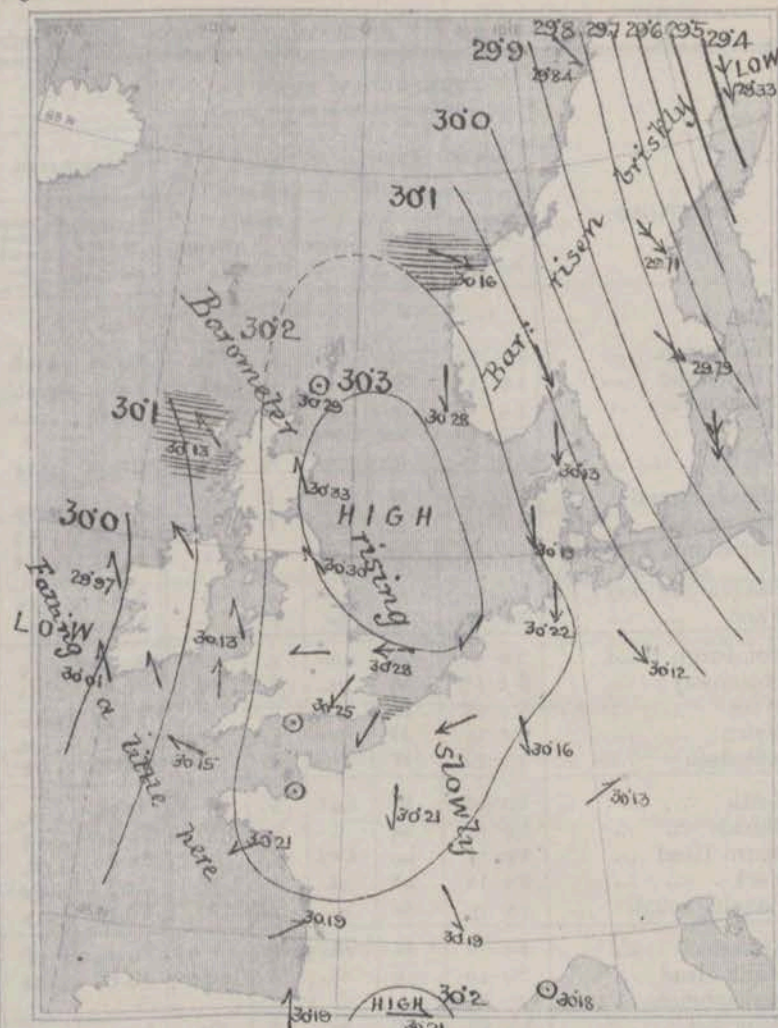
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER.

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

During the 20 Years, 1871—1890.

STATIONS.	MEAN READINGS.
Samburgh Head	29.840
Stormway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Arrossan	29.867
Mullaghmore	29.830
Donaghadee	29.829
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Rocha's Point	29.851
Pembroke	29.853
Selly	29.856
Prasle Point	29.870
Jersey	29.871
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.894
Cambridge	29.880
Yarmouth	29.872



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.

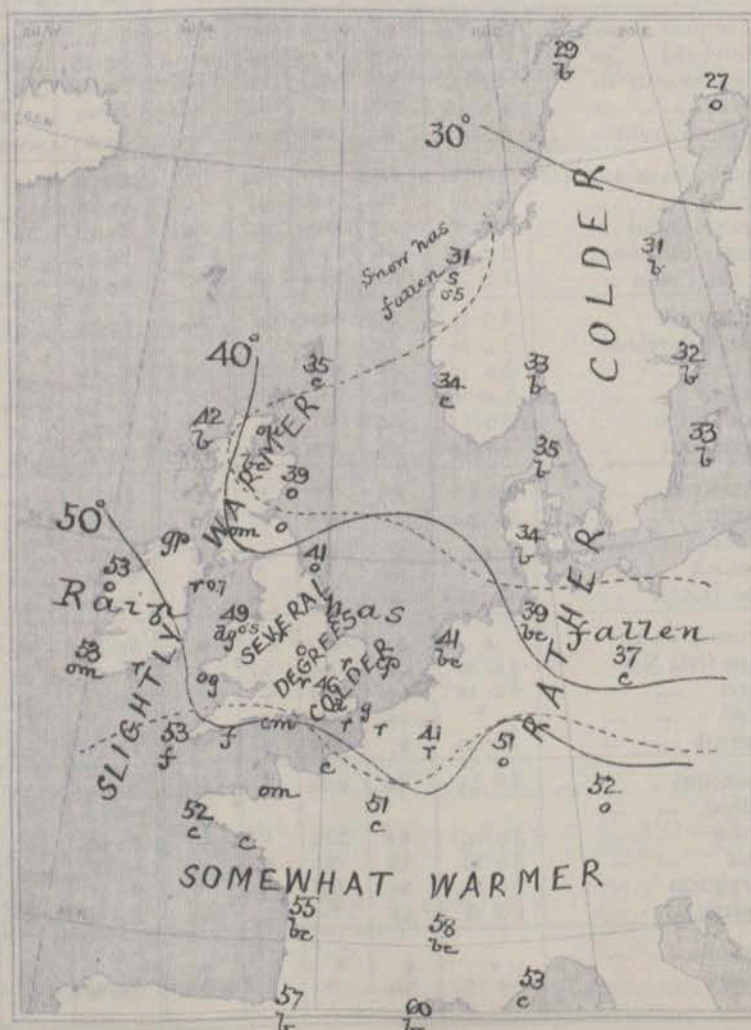
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Samburgh Head	46.0	36.7	41.7	40.2	2.07
Stormway	48.0	37.2	43.8	42.3	2.65
Wick	48.8	36.9	41.1	41.2	1.68
Nairn	50.0	37.3	42.7	40.4	1.28
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.50
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	45.8	41.6	1.76
Loughborough	55.1	38.1	44.1	42.1	1.78
Arrossan	51.5	39.6	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.1	45.0	42.1	1.95
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.5	3.83
Rocha's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.4	1.94
Selly	52.1	41.7	45.6	43.6	2.27
Prasle Point	51.0	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.5	46.9	2.08
Hurst Castle	52.1	41.0	45.6	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	50.0	39.7	46.1	43.3	1.84
Oxford	54.0	38.0	44.4	42.1	1.78
Cambridge	53.8	37.5	45.2	43.0	1.89
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone lying over the North Sea.
 Lowest, 29.4 in. and less, in Lapland; 30.0 in. and less, in a shallow depression lying off the west of Ireland.
 Gradients slight generally, but steep over the northern parts of Scandinavia.
 Barometer falling slightly in the extreme west and southwest of our Islands, and also in the west of France, but rising elsewhere.

TEMPERATURE

Highest, 60° at Perpignan, 59° at Lyons, 58° at Lyons, 57° at Biarritz, 55° at Rochefort, and 53° at Bismarck, Valence (Ireland) and Lillie.
 Lowest, 27° at Haparanda, 29° at Riga, 31° at Hamina and Christianaund, 32° at Stockholm, and 33° at Vicksburg and Tander.
 During yesterday the thermometer rose to 65° at Loughborough and 67° at Cambridge; over Scotland and the northeast of England, however, it scarcely exceeded 40°.

WIND

E³ or SE³ over the greater part of the United Kingdom, and fresh or strong in force on our extreme north and northwest coasts.
 NW² or N² in Scandinavia, Denmark, and North Germany, with gales in Sweden.
 Light and variable in France.

WEATHER

Dull over the greater part of the United Kingdom, with rain at several of our station and southern stations, and with fog at the mouth of the Channel.
 Fine at most of the Continental stations, but dull over South Germany. Rain is falling at Brussels and snow at Christianaund.
 In the course of the past 24 hours rain has fallen in most parts of Ireland and England, but the Channel stations have at present escaped.
 Solar halos were seen yesterday in the south of England.

SEA

Light or smooth generally, but rather rough at Christianaund, Norway, and the North Foreland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over the North Sea appears to be spreading, and fair weather is likely to set in again over our southeastern countries.
 In the west of our Islands the weather will probably remain cloudy and unsettled for a time.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

E² to SE² winds, moderate or fresh;
 fair generally.
 Same as No. 5.
 E² winds, moderate; some rain at first, then fair.

DISTRICTS.

FORECASTS.

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

E² and SE² winds, moderate; dull, some rain.
 SE² winds, moderate or fresh; dull, some rain.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudeanaes ...	30.04	34	31	NW	7	5	4	Valencia ...							
Sumburgh Head ...								Scilly ...	30.23	58	47	WSW	2	bc	2
Stornoway ...	30.17	42	37	NE	5	6	5	Jersey ...							
Aberdeen ...								Hurst Castle ...	30.14	52	50	WSW	4	bc	3
Shields ...								Dungeness ...	30.13	55	50	SSW	1	bc	2
Ardrossan ...								North Foreland ...							
Malin Head ...	30.02	49	49	ESE	2	0	2	London ...							
Mullaghmore ...								Yarmouth ...	30.23	64	58	NW	3	b	*
Belmullet ...	29.99	53	53	SW	2	0	#	Rochefort ...							
Holyhead ...	30.12	51	49	SSW	4	cm	3								

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

Weather still fine over England, France and central and southern Europe, as well as at most of the Scandinavian stations. Dull in Ireland and Scotland, with rain in many places; cloudy and unsettled also over the northern parts of Russia and Germany, with rain at St. Petersburg and Copenhagen. Snow falling at Christianmünd. Dull, rainy weather spreading southwards over the central and SE parts of England; conditions remaining fair in the extreme S, but solar halos reported at many stations.

Temperature fallen decidedly in Scandinavia, Denmark and Scotland, but risen elsewhere. Morning readings highest 68° at Barcelona, 63° at Algiers, 61° at Lisbon, and 59° at Sanghaia, above 50° at the Mediterranean stations generally, as well as in Ireland and the southwest of England. Lowest 19° at Archangel, 23° at Haparanda and 27° at Uleaborg, below 40° over nearly the whole of Russia and Scandinavia and also in Scotland. Daily maxima very little above 40° at any of our northern stations, but thermometer rising to between 62° and 67° over central England, & to 70° or more in many parts of France.

Winds light to moderate from the S in the west of our Islands and from the W in the east and south, but NE or N on our northern coasts. Strong to a gale from the NW or W over Scandinavia and the Baltic, light from the W or SW over Russia and Germany. Variable in France, N or NW in Italy; NE in Spain, and E or SE in Algeria. No important change occurring over western Europe during day.

Barometer highest 30.5 ins. to 30.6 ins. over the greater part of Spain, Italy and the Mediterranean; 30.2 ins. and upwards over all the more S part of Europe, and 30.1 ins. and upwards in a ridge extending N over St. Britain. Lowest 29.8 ins. and less in a depression lying over Lapland (gradually deep over Scandinavia and N. Russia); 30.0 ins. and less in a shallow depression off the northwest of Ireland. Large depression in far north subsequently travelling eastwards; new anticyclonic system appearing off the N. and N.E. of Scotland.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 3rd TO 15th APRIL 1893.

Fair dry weather was again experienced last week over nearly the whole of western Europe. In the extreme north of Scotland, however, showers were rather frequent and at the close of the period unsettled rainy weather was setting in over Ireland and England.

The distribution of pressure was anticyclonic, the central portion of a large high pressure system being found at first over the northern parts of our Islands, whence it gradually moved southwards to France and the south of England. The winds were therefore E or NE during the early part of the week, but afterwards backed gradually to the W and SW; on the 11th the E breeze blew with considerable strength on our southeast coasts, but at other times the winds were everywhere light or moderate.

Over Scandinavia the weather was affected by a series of large depressions which advanced from the W or NW and at the close of the week these were beginning to affect the northern parts of our Islands, where freshening SW winds and rain were reported.

Temperature was for the most part rather high over England and Ireland, but low in Scotland. Night frosts occurred in various parts of St. Britain, the readings observed over central England early on the 14th being from 5° to 8° below the freezing point in the screen, and several degrees lower on the surface of the grass.

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 18TH APRIL.

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.			BAROMETER.	SHADE TEMP.			WIND.						SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry Bulb.	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.		
	Inch.	°				Inch.		°	°							°	°	Inch.	
SCANDINAVIA.	Haparanda ...	29.81	21	N	4	29.76	+0.05	24	24	-	N	2	bc	*	bc	30	16	—	
	Hernösand ...	29.82	22	NW	2	29.75	+0.07	22	22	+1	NNW	4	bc	*	bc	29	16	—	
	Stockholm ...	29.88	23	NW	4	29.83	+0.05	22	27	0	NNW	4	c	*	bc	29	16	—	
	Wisby ...	29.70	23	N	6	29.66	+0.04	24	26	+1	N	4	bc	*	bc	29	16	—	
	Bodö ...	29.00	29	NNW	6	29.03	+0.03	31	31	+2	NNW	2	c	1	bc	32	27	—	
	Christiansund ...	29.26	24	N	6	29.21	+0.05	25	22	+4	SW	2	bc	4	c	26	21	0.12	
	Skudesnaes ...	29.34	24	NNW	4	29.27	+0.07	27	22	+5	NNE	4	o	2	bc	41	20	—	
	Christiania Fjord (Fjorder)	29.23	28	NNW	3	29.28	+0.05	26	22	+4	NNE	2	bc	1	bc	41	20	—	
	Skagen (The Scaw)	29.46	28	SW	1	29.28	+0.18	42	27	+15	SW	2	bc	0	bc	42	20	—	
	Fanö ...	29.26	23	NW	2	29.23	+0.03	28	24	+4	NW	4	c	*	bc	46	32	—	
BRITISH ISLANDS.	Sumburgh Head	29.20	28	SE	2	29.20	-0.05	44	44	+5	S	4	T	4	c, o	44	38	0.05	
	Stornoway ...	29.00	40	S	2	29.00	-0.05	45	45	+7	SW	7	T	6	c, T	45	40	0.10	
	Wick ...	29.09	28	S	6	29.08	-0.01	45	44	+7	S	2	o	2	o	45	24	0.02	
	Nairn ...	29.08	48	SW	1	29.08	-0.03	50	48	+12	S	0	c	0	c	52	26	0.01	
	Aberdeen ...	29.19	41	S	5	29.19	-0.06	44	44	+5	S	2	o, T	4	o, T	45	29	0.13	
	Leith ...	29.16	42	S	2	29.17	-0.01	51	49	+12	S	1	T	*	o	51	38	0.17	
	Shields ...	29.23	42	SE	5	29.25	-0.02	45	44	+4	SWW	4	cm	3	o	45	40	0.01	
	Spurn Head ...	29.26	42	ESE	4	29.12	-0.14	45	42	+4	SE	4	or	4	o, T	45	40	0.07	
	York ...	29.27	45	NNE	1	29.12	-0.15	44	42	+2	SE	2	o	*	o	46	40	0.10	
	Loughborough	29.26	45	SE	2	29.15	-0.11	45	42	+4	SE	2	cm	*	o	45	41	0.04	
GERMANY & HOLLAND.	Ardrossan ...	29.11	44	NNE	2	29.14	-0.03	47	47	+1	SE	2	om, T	3	o, Tm	47	38	0.05	
	Malin Head ...	29.14	51	SE	5	29.16	-0.02	53	52	+7	S	2	o	1	o, T	53	44	0.05	
	Mullaghmore ...	29.10	47	SE	6	29.16	-0.06	45	45	+6	SW	5	o	4	T	45	40	0.04	
	Belmullet ...	29.10	47	SE	6	29.16	-0.06	45	45	+6	SW	5	o	4	T	45	40	0.04	
	Donaghadee ...	29.10	47	SE	6	29.16	-0.06	45	45	+6	SW	5	o	4	T	45	40	0.04	
	Liverpool (Bidston)	29.13	45	SE	2	29.06	-0.07	50	48	+2	SE	2	c	2	T	50	41	0.15	
	Holyhead ...	29.13	52	S	2	29.02	-0.11	45	48	0	SWW	4	rmg	3	o, omg	52	48	0.10	
	Parsonstown ...	29.01	33	SW	2	29.05	-0.04	52	53	+1	2	0	T	0	o, T	52	57	0.15	
	Valencia ...	29.15	54	S	4	29.10	-0.05	56	53	+3	SE	2	o	3	omg, Tm	56	52	0.24	
	Roche's Point	29.22	51	S	4	29.18	-0.04	52	51	+1	SE	2	o	4	T	52	50	0.05	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.14	45	SE	2	29.07	-0.07	48	47	-1	SE	4	omg	5	o	50	47	0.01	
	Scilly ...	29.12	52	SE	4	29.03	-0.09	52	51	-1	ESE	4	omg	3	f, w, f	52	50	—	
	Prawle Point ...	29.20	49	E	1	29.10	-0.10	49	49	-1	NNE	2	om	1	f, c	53	46	—	
	Jersey (St. Aubin's)	29.19	57	NNE	2	29.11	-0.08	56	51	+5	E	1	bm	1	bc, omg	60	41	—	
	Hurst Castle ...	29.22	53	ESE	2	29.13	-0.09	51	49	+1	ESE	2	om	1	c, m	53	47	—	
	Dungeness ...	29.22	47	ESE	5	29.18	-0.04	50	48	+2	E	2	m	2	o, bc	51	45	—	
	North Foreland	29.25	45	E	3	29.16	-0.09	46	44	+2	ESE	1	bc	3	omg, bc	46	42	—	
	London ...	29.27	47	ESE	2	29.15	-0.12	47	47	+1	SE	1	bc	*	o, m	52	42	—	
	Oxford ...	29.25	46	E	1	29.14	-0.11	47	45	+2	2	0	c	*	f, o	48	41	0.01	
	Cambridge ...	29.28	46	E	2	29.16	-0.12	50	47	+3	E	1	o	*	o	48	41	0.02	
PENINSULA.	Yarmouth ...	29.20	43	ESE	4	29.21	-0.01	45	42	+3	SE	2	bc	3	o	45	40	—	
	Cuxhaven ...	29.35	30	N	4	29.40	+0.05	30	32	0	ESE	2	bc	*	bc	41	27	—	
	Berlin ...	29.34	35	NW	4	29.40	+0.06	38	32	+6	N	2	bc	*	bc	45	30	—	
	Wiesbaden ...	29.31	37	NW	4	29.31	+0.00	42	37	+5	NNE	4	bc	*	bc	45	30	—	
	Munich ...	29.26	42	SW	1	29.30	+0.04	39	36	+3	E	4	o	*	o	50	34	—	
	The Heider ...	29.40	40	ESE	2	29.32	-0.08	42	39	+3	SE	1	bc	1	bc	43	37	—	
	Brussels (9 a.m.)	29.21	49	E	2	29.21	-0.05	48	41	+7	SE	1	c	3	bc	51	34	—	
	Cape Gris Nez	29.21	49	E	2	29.14	-0.07	50	46	+4	SE	2	m	3	c	52	41	—	
	Paris ...	29.20	61	NNE	2	29.17	-0.03	51	49	0	E	2	m	*	bc	61	45	—	
	Brest ...	29.17	53	SW	1	29.17	-0.00	52	53	0	E	2	c	2	c	63	48	—	
GERMANY & HOLLAND.	Lorient ...	29.17	56	SWW	3	29.07	-0.10	51	48	+3	E	4	c	3	c	63	50	—	
	Rochefort ...	29.15	58	NNW	3	29.04	-0.11	51	50	-1	E	2	bc	*	f, bc	66	48	—	
	Belfort ...	29.15	57	NW	1	29.15	-0.00	50	49	-1	E	2	bc	*	f, c	63	36	—	
	Lyons ...	29.12	64	NNE	1	29.15	-0.03	52	49	-3	NW	1	bc	*	bc	70	45	—	
	Nice ...	29.09	52	E	1	29.16	-0.07	51	49	-2	2	0	bc	1	c	63	48	—	
	Perpignan ...	29.10	65	S	2	29.12	-0.02	52	49	-3	N	2	bc	*	c	65	48	—	
	Biarritz ...	29.08	60	NNE	2	29.16	-0.08	58	49	+9	ESE	2	bc	1	c	70	50	—	
	Corunna ...	29.02	63	NNW	3	29.16	-0.14	61	59	+2	NNW	4	o	*	o	72	59	—	
	Lisbon ...	29.02	63	NNW	3	29.16	-0.14	61	59	+2	NNW	4	o	*	o	72	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 Tuesday, 18th April, 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:

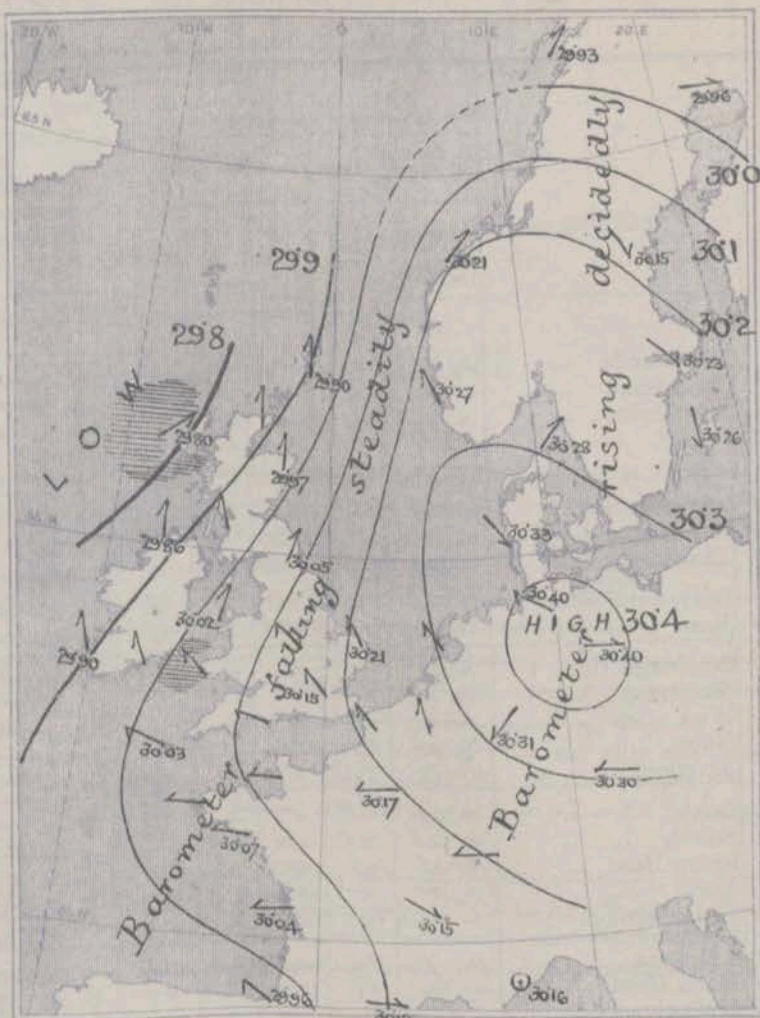
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER.

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.868
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardsman	29.887
Mull. Imore	29.839
Donaghadee	29.869
Holyhead	29.857
Liverpool	29.867
Par. towns	29.864
Valencia	29.851
Rocha's Point	29.851
Pembroke	29.853
Selly	29.856
Pravle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

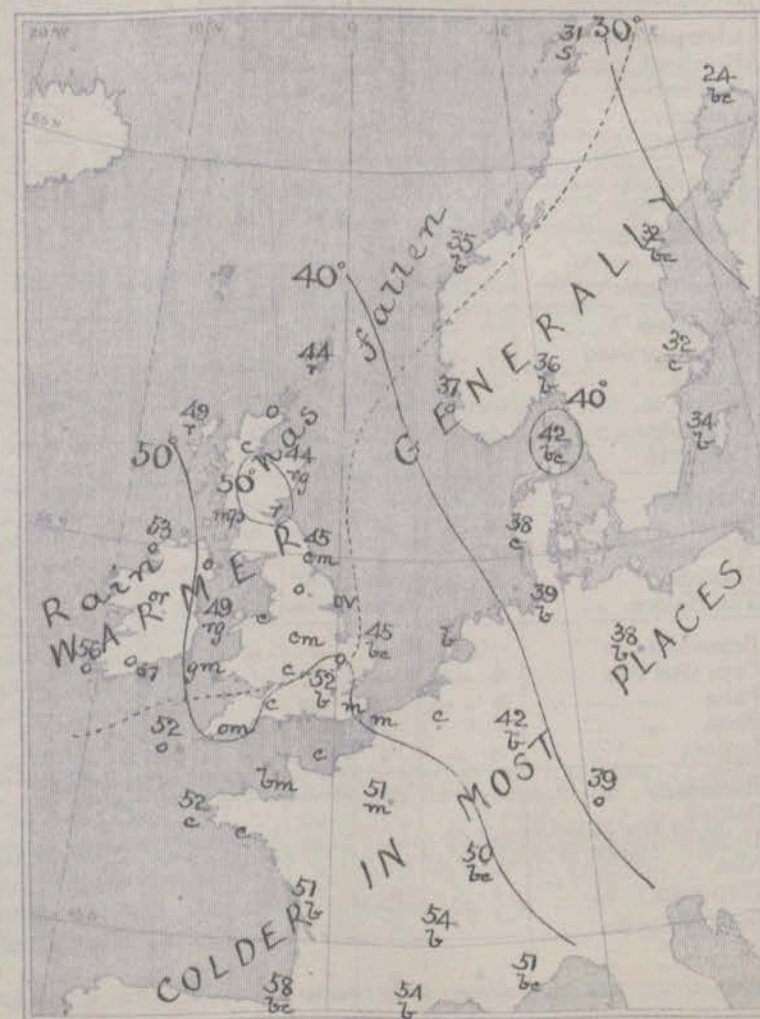
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.0	36.0	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.5	43.5	41.4	1.86
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	58.1	38.1	44.4	42.1	1.78
Ardsman	51.8	39.3	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.0	42.8	48.2	45.5	3.83
Rocha's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Selly	52.1	44.7	48.6	46.5	2.27
Pravle Point	51.9	40.7	48.2	44.6	2.07
Jersey	54.2	43.5	48.6	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.5	44.4	42.1	1.78
Cambridge	53.8	37.5	45.2	43.0	1.69
Yarmouth	49.1	39.0	44.7	43.0	1.70

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. to 30.1 in. in an anticyclone covering Denmark, Germany, the east of France, the eastern half of the North Sea, and the southern half of Scandinavia.
Lowest, 29.8 in. and less, off our extreme northwestern coasts; 30.0 in. and less over Portugal and the North of Spain.

Gradients slight in the east, moderate elsewhere.

Barometer still rising over Scandinavia, the Baltic, and Germany, falling a little in our Islands.

TEMPERATURE

Highest, 61° at Lisbon, 58° at Rhinny, and above 50° over France, Ireland, and the south of England generally.

Lowest, 24° at Haparanda, 31° at Bodø, 32° at Stockholm, and below 40° over Germany.

The maxima recorded yesterday were below 50° over our northern and eastern districts, but temperature over England is now rising quickly.

WIND

Moderate N² over the Gulf of Bothnia and the Baltic, E³ over France, the Channel, and Bay of Biscay; SE³ over England, S⁴ over Ireland, SW³ (a moderate gale) in the Heligoland, SSW², moderate in the northwest of Norway.

WEATHER

Dull and rainy in Ireland and Scotland, dull in the west and north of England, fine in the east and south; fine over France, Germany, the Baltic and Sweden, but snow is falling at Bodø.

The rainfalls reported is considerable at Rotherham, moderate at Anderson, slight at our other eastern and northern stations, very slight at Oxford and Cambridge.

SEA

Rough in the Minch, moderate to slight on our western and eastern coasts generally, slight to smooth at the Channel stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Light to moderate (anticyclonic) SE² breezes seem likely to prevail over the greater part of England today, with fair weather and high day temperatures, but less settled weather will probably spread over the country shortly.

FORECASTS

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

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | S ² winds, strong to moderate; some rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SE ² and S ² winds, moderate; fine. Warm inland, cold tonight. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | E ² and SE ² breezes, moderate to light; fine and warm today, cold and hazy tonight. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | S ² winds, changeable, rain at times. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E ² and SE ² breezes, moderate or fresh; cloudy, fair. |
| 9 | IRELAND NORTH | S ² breezes, moderate, some rain, changeable. |
| 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 ...	30.24	41	33	NW	7	bc	2	Valencia ...	29.99	53	55	S	4	org	4
Sumburgh Head ...	30.27	39	34	S	2	c	3	Scilly ...	30.14	53	54	SE	3	bc	2
Stornoway ...	30.23	46	44	SE	5	o	5	Jersey ...	30.23	53	52	SE	2	c	0
Aberdeen ...	30.27	40	38	SE	5	og	5	Hurst Castle ...	30.23	53	53	SE	2	c	0
Shields ...	30.28	41	39	SE	5	o	4	Dungeness ...	30.23	43	44	ENE	5	c	4
Ardrossan ...	30.17	44	43	SE	2	om	1	North Foreland ...	30.27	46	45	E	4	org	4
Malin Head ...	30.33	53	48	SE	5	odp	2	London ...	30.28	47	44	E	2	om	4
Mullaghmore ...								Yarmouth ...	30.32	45	41	ENE	4	b	4
Behmullet ...								Rocheport ...	30.15	64	64	NW	2	bc	
Holyhead ...	30.15	53	51	S	4	o	2								

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

Weather dull over the greater part of the United Kingdom, with rain at several of our western and southern stations, and with fog at the mouth of the Channel. Dull also in many parts of Russia and Germany, with snow in Finland, and with rain at Lemberg. Fine and bright over Scandinavia, Denmark, France, and the greater part of southern Europe. Weather improving later in the southeast of our Islands, but rain falling in the west and north, - heavily at Rochepoint.

Temperature falls over England and the greater part of northern and central Europe, but rises elsewhere. Morning readings highest 66° at Barcelona, 64° at Genoa and Algiers, 63° at Oren, and 59° at Arkon; above 55° at several of the Mediterranean stations, and above 50° in the extreme west and south of our Islands. Lowest 24° at Archangel, 25° at Uleaborg and Kuopio, and 27° at Hafavunda, below the freezing point in most parts of Scandinavia and northern Russia, and below 40° in Scotland. Remaining below 50° all day at most of our northern and eastern stations, but rising to between 55° and 60° in the southwest, exceeding 70° over the southern parts of France, and reaching 80° at Perpignan.

Wind E or SE in our Islands, light or moderate in force generally, but fresh or strong on our extreme north and northwest coasts. Strong from the N or NW in Scandinavia, with gales in Sweden, moderate or fresh from the same quarters over Denmark, Finland, the Baltic, and the greater part of Germany, light from the SW over the southern parts of Russia. Light and variable over France and Italy, E or NE in Spain, SE in Algeria. Subsequently veering to the S on many parts of our western and northern coasts; no important change occurring elsewhere.

Barometer highest 30.3 in and upwards, over the North Sea and also over Sicily and Tunis, 30.2 in and upwards in a large anticyclone covering nearly the whole of eastern and southern Europe. Lowest, 29.1 in and less, in a large depression lying over the north of Russia, gradients steep over Sweden and Finland; 30.0 in and less, in a shallow disturbance lying off the west of Ireland. Latter system spreading westwards later, and barometer falling in nearly all parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 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 Wednesday, 19th April, 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 5).	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.			
Ins.		°				Ins.	°	°	°							°	Ins.			
SCANDINAVIA.	Haparanda ...	29.83	76	N	0	0	30.12	+16	19	18	-5	NE	2	b	#	0	34	5	0.08	
	Hernösand ...	30.06	40	NEW	6	c	30.20	+03	33	31	+1	NE	4	c	#	c	43	23	-	
	Stockholm ...	30.17	33	NW	2	b	30.12	-11	37	32	+5	NEW	2	b	#	b	45	?	-	
	Visby ...	30.24	32	NW	4	b	30.16	-10	36	34	+2	NEW	4	b	#	b	39	28	-	
	Bodö ...	29.99	32	N	4	c	30.05	+12	30	28	-1	E NE	2	b	1	c	36	23	-	
	Christiansund...	30.07	36	ESE	2	0	30.01	-20	38	37	+3	ESE	4	r	3	0	39	35	0.12	
	Skudesnaes ...	30.13	39	SSE	6	r	30.08	-19	40	39	+3	SSE	5	r	4	r	40	37	-	
	Christiania Fjord (Fæder)	30.16	37	SW	4	c	30.08	-20	38	37	+2	SW	4	0	2	c	41	36	-	
	Skagen (The Scaw)	30.22	39	SW	1	b	30.14	-14	39	37	-3	WSW	1	0	0	b	42	37	-	
	Fanö ...	30.21	40	WSW	2	b	30.12	-21	42	39	+4	SE	2	bc	#	b	48	37	-	
ISLANDS.	Sumburgh Head	29.83	46	SW	2	0	29.86	-04	49	49	+5	Z	0	r	3	0	49	42	0.24	
	Stornoway ...	29.79	51	SW	6	0	29.82	+02	52	51	+3	W	4	bc	4	0	52	45	0.05	
	Wick ...	29.81	53	S	1	0	29.86	+01	50	49	+5	S	1	0	0	0	58	45	0.10	
	Nairn ...	29.81	58	H	1	0	29.86	-02	55	53	+5	SW	1	c	0	c	64	47	0.01	
	Aberdeen ...	29.89	50	SW	2	ogm	29.93	-04	53	50	+9	SW	2	ogm	3	cm, gms	53	44	0.18	
	Leith ...	29.93	52	WSW	1	r	29.93	-04	52	51	+1	Z	0	om	#	r	57	45	0.24	
	Shields ...	29.98	52	SSW	2	om	29.98	-07	55	52	+10	SSW	2	c	2	r, om	55	43	0.01	
	Spurn Head ...	30.00	47	SSE	3	og	29.98	-14	48	46	+3	ESE	2	cmw	2	og	49	44	-	
	York ...	30.01	58	W	1	0	29.99	-13	51	49	+7	SE	1	b	#	0	62	43	-	
	Loughborough	30.01	65	SSE	1	c	29.98	-17	51	48	+6	Z	0	cmw	#	c	67	40	-	
BRITISH.	Ardrossan ...	29.92	49	SW	1	r	29.91	-03	55	53	+8	NE	1	bm	1	r	55	45	0.23	
	Malin Head ...	29.82	56	SSE	3	op	29.82	-04	53	51	0	SSE	3	om	1	o, p	56	51	0.09	
	Mullaghmore ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Belmullet ...	29.80	55	SW	3	0	29.77	-03	55	51	0	E	2	c	#	0	60	52	0.01	
	Donaghadee ...	29.94	49	SSW	4	m	29.89	-07	49	48	0	SE	5	m	3	m	56	47	0.03	
	Liverpool (Bidston)	30.00	58	N	1	b	29.91	-15	54	50	+4	ESE	3	0	2	b	64	50	-	
	Holyhead ...	29.98	53	SW	2	c	29.86	-16	56	52	+7	ESE	1	c	2	c	57	49	0.01	
	Parsonstown ...	29.89	57	SE	1	0	29.79	-16	57	53	+3	Z	0	c	#	og	61	49	-	
	Valencia ...	29.83	68	SSE	5	om	29.71	-19	56	53	0	E	2	0	2	cq, om	63	53	-	
	Roche's Point	29.92	53	SE	4	bc	29.77	-21	54	62	+2	ESE	4	b	4	bc	55	49	-	
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	29.96	56	ESE	1	c	29.80	-27	53	51	+5	ESE	4	cq	4	c	58	48	-	
	Scilly ...	29.92	53	E	4	c	29.74	-29	53	51	+1	E	4	c	3	c	58	50	-	
	Prawle Point ...	29.97	53	E NE	3	bc	29.82	-28	58	54	+9	E NE	4	b	3	bc	59	49	-	
	Jersey (St. Aubin's)	29.97	66	N NE	1	bcm	29.84	-27	60	54	+4	E	2	b	2	bcm	69	53	-	
	Hurst Castle ...	30.01	57	ESE	2	bcm	29.90	-23	55	52	+4	E NE	3	bcm	1	bcm	61	50	-	
	Dungeness ...	30.02	52	E	3	c	29.94	-21	53	50	+3	E	2	bc	2	bcm, c	57	47	-	
	North Foreland	30.04	50	ESE	1	b	29.95	-21	54	50	+8	ESE	1	b	2	b	54	46	-	
	London ...	30.09	62	SSE	1	c	29.97	-18	56	51	+4	E	1	bm	#	c, bc	70	47	-	
	Oxford ...	30.11	59	SW	1	c	29.94	-20	57	51	+10	E	1	bc	#	c	68	42	-	
	Cambridge ...	30.04	60	SE	2	0	29.98	-18	56	50	+6	ESE	2	b	#	0	69	43	-	
FRANCE AND BELGIUM.	Yarmouth ...	30.07	47	SSE	3	b	30.00	-21	49	47	+4	SE	1	b	2	b	49	43	-	
	Cuxhaven ...	30.24	43	N	2	c	30.15	-25	43	41	+4	SSE	2	c	#	c	48	39	-	
	Berlin ...	30.28	45	SE	1	b	30.22	-18	42	35	+4	SE	2	b	#	b	50	34	-	
	Wiesbaden ...	*	*	*	*	*	30.11	-20	52	44	+10	E	3	b	#	#	61	37	-	
	Munich ...	30.19	45	SE	3	b	30.16	-14	43	39	+4	E	4	b	#	b	55	32	-	
	The Helder ...	30.15	49	E	1	bc	30.10	-22	49	46	+6	ESE	1	bc	1	bc	52	44	-	
	Brussels (a.m.)	*	*	*	*	*	30.01	-20	60	47	+12	S	2	b	#	b	66	46	-	
	Cape Gris Nez	30.02	50	NE	2	m	29.93	-21	56	49	+6	SE	1	bc	1	m	57	48	-	
	Paris ...	30.02	66	SE	2	c	29.97	-20	51	47	0	Z	0	bc	#	c	72	43	-	
	Brest ...	?	66	NW	1	bc	?	?	55	51	+3	ESE	1	c	3	bc	57	48	-	
PENINSULA.	Lorient ...	29.91	65	Z	0	c	29.86	-27	58	53	+4	SE	3	c	4	c	72	50	-	
	Rochefort ...	29.90	71	E NE	1	c	29.85	-19	57	55	+6	SSE	4	c	#	c	81	51	-	
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lyons ...	29.99	67	SSE	2	b	30.04	-11	56	50	+2	E	1	b	#	b	75	48	-	
	Nice ...	30.12	56	SW	1	b	30.12	-04	57	52	+6	E	1	b	0	b	66	50	-	
	Perpignan ...	30.07	58	E	3	0	30.04	-08	53	53	-1	Z	0	0	#	0	68	47	-	
	Biarritz ...	29.86	50	SSE	1	c	29.82	-14	65	51	+7	S	3	0	2	c	86	48	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.91	61	SW	3	c	29.85	-11	63	58	+2	Z	4	c	#	bc	68	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, 19th April, 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.

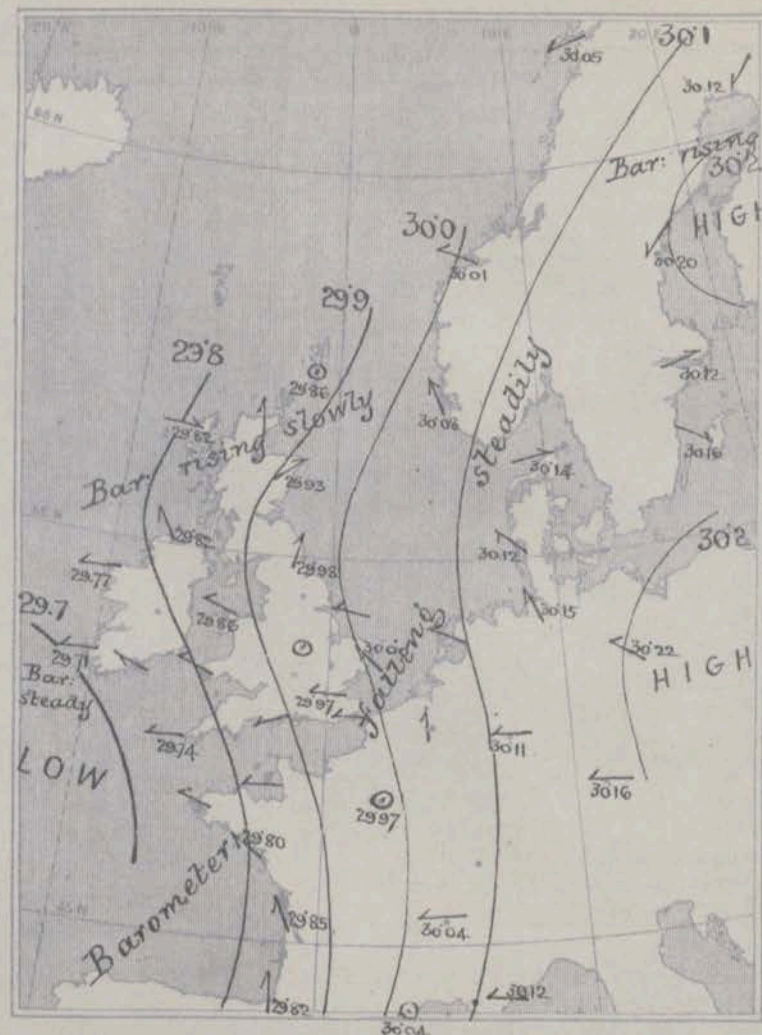
SEA DISTURBANCE—Where considerable, is shown thus:

■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER*

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.845
Nairn	29.849
Aberdeen	29.858
Leith	29.863
Shields	29.865
Spurn Head	29.863
York	29.876
Loughborough	29.879
Ardronan	29.867
Mullaghnore	29.889
Donaghadee	29.859
Holyhead	29.867
Liverpool	29.867
Parsonstown	29.864
Valencia	29.864
Roche's Point	29.851
Pembroke	29.852
Scilly	29.856
Prawle Point	29.876
Jersey	29.972
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and more to 30.0 in. over Germany, the Baltic, Scandinavia, and the North Sea.
Lowest, 29.7 in. and less, off the southwest of Ireland; 29.8 in. and less, in the neighbourhood of the Farø Isles.
Gradients slight generally.
Barometer still falling a little in the south, but apparently rising in the north.

TEMPERATURE

Highest, 65° at Biarritz, 63° at Lister, 60° at Jersey, 57° at Aix, Rochefort, and Oxford, and above 50° in all but the extreme eastern parts of our islands.
Lowest, 19° at Akenanda, 30° at Rottö, 36° to 39° in the south of Sweden.
The maxima recorded yesterday were as high as 70° in London, 63° at Cambridge, 68° at Oxford, 67° at Loughborough, 62° at York, and 61° at Paremboen; 72° at Aix, 81° at Rochefort, 86° at Biarritz. Over Germany they ranged from 48° to 61° and the night was cold.

WIND

E^{ly} over Chæres and the southern counties of England, SE^{ly} over the Bay of Biscay, Ireland, and the greater part of England, SW^{ly} in Scotland, W^{ly} in the south of Sweden.
Over the northern parts of Scandinavia, however, there was a moderate breeze from NE. and E.

WEATHER

Fine and bright over Germany, France, and the southern parts of our islands, cloudy in the west and north, rainy in the Netherlands and the west of Norway. A solar halo is visible at Oxford.
Further measurements of rainfall are reported from our northern and northwestern stations, but they are not large. Solar halos were seen at many of our southern stations yesterday.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present hardly any indication of rainy weather for England; in the north the tendency is for finer weather again.

FORECASTS

For the 24 hours ending at NOON on 20th April

1893.

DISTRICTS.

FORECASTS.

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

SW^{ly} breezes, moderate; some showers then finer.
Varying S^{ly} breezes; fine generally.
SE^{ly} breezes, light; fair generally, warm inland.
E^{ly} breezes, moderate; fair, warm.

DISTRICTS.

FORECASTS.

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

Same as No. 0.
Same as Nos 3 and 4.
Same as No 5.
SE^{ly} breezes, moderate; 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. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
	Dry.	Wet.	Dry.	Wet.						Dry.	Wet.	Dry.	Wet.				
Skudesnaes ...	30.21	35	36		SSE	6	13	3	Valencia ...	29.87	60	56		SSE	5	c q	5
Stamburgh Head ...	29.85	48	49		S	3	0	4	Scilly ...	29.98	55	53		ESE	4	c	3
Stornoway ...	29.81	51	51		SW	7	0	6	Jersey ...	30.03	64	56		ESE	1	0	1
Aberdeen ...	29.92	50	48		S	3	m	4	Hurst Castle ...	30.06	60	56		S	2	m	1
Shields ...	30.01	52	51		SSW	3	r	3	Dungeness ...	30.09	56	53		E	2	bm	3
Ardrossan ...	29.92	49	49		SW	1	r	1	North Foreland ...	30.09	51	49		ESE	1	6	3
Malin Head ...	29.86	54	53		SSW	4	0	1	London (Westminster) ...	30.06	68	57		SE	2	6	3
Mullaghmore ...									Yarmouth ...	30.13	48	46		SE	3	6	3
Belmullet ...	29.82	59	55		SSE	2	0	4	Rochefort ...	29.98	75	65		NW	1	6	4
Holyhead ...	30.02	54	51		SW	4	c	3									

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

Weather dull over all but the southeastern part of the United Kingdom, with rain in many parts of Scotland, North Wales, and Central Ireland. Fine in the southeast of England, as well as at most of the Continental stations, but dull over the Spanish Peninsula, and also in the west of Norway, with rain at Røss. A little rain falling during day in most of our own northern and northwestern districts, but weather remaining fair and dry in all other parts of Western Europe. Solar halos observed in the south of England in afternoon.

Temperature seen over our Islands, Scandinavia, and Denmark, but fell elsewhere. Morning readings highest 66° at Barcelona, 63° at Cron, 62° at Alpiro, and 61° at Lisbon and Brindisi; above 50° on many parts of our own western and southern coasts, and as high as 56° at Valencia (Ireland) and Jersey. Lowest 12° at Arkhangel, 18° at Uleaborg, 19° at Kuspio, and 24° at Wapuvando, below the freezing point over the northern parts of Russia and Scandinavia generally, and below 40° over Central and Eastern Europe. Rising during day to between 65° and 70° over Central England, exceeding 80° at some of the western and southern French stations, and reaching 86° at Biarritz.

Wind light or moderate from the End or SEnd over England, France, and the Netherlands, but Snd or SWnd over the northern and northwestern parts of our Islands and the west of Norway, with a gale in the Hebrides. Light or moderate from the Nnd or NWnd over Sweden, Russia, Austria, and Italy. Rather variable over Spain and the south of France, SEnd in Algeria. No important change occurring during day.

Barometer highest 30.4 ins. and upwards over Germany, 30.1 ins. and upwards in a large anticyclone covering nearly the whole of central and southern Europe and extending northwards over Scandinavia. Lowest 29.4 ins. and less, in a well-marked depression lying over the north of Russia, 29.8 ins. and less, in two shallower disturbances, — one lying over the south of Russia and the other off the northwest of Scotland. No important change occurring during day, but barometer falling slowly 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. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on THURSDAY, 20TH APRIL

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.	Weather.	BAROMETER.	SHADE TEMP.	WIND.	Weather.	SHADE TEMP.	Amount of Rainfall.					
		Reading at 5 P.M. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Reading at 5 P.M. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Max.	Min.	
		Inch.	°			Inch.	°	°	°							

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, 20th April, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

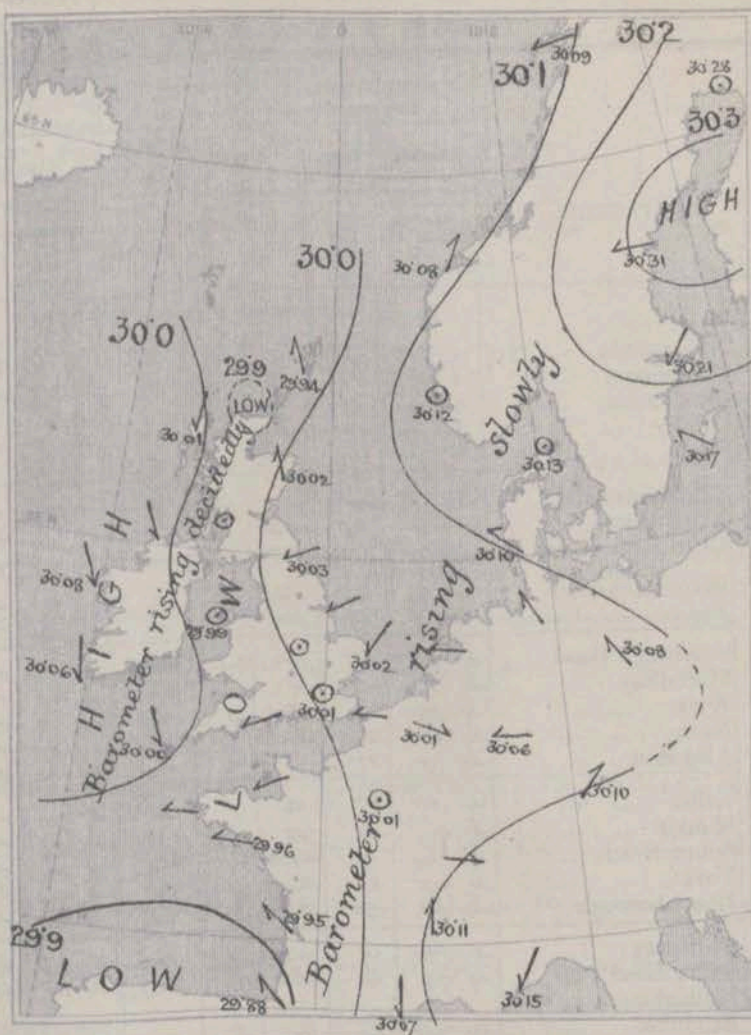
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
WIND—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—
 — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4.
 ☉ dead calm.

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

MEAN HEIGHT OF THE BAROMETER.

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.845
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Androsau	29.857
Mullaghmore	29.839
Donaghadee	29.869
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Scilly	29.856
Pravle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

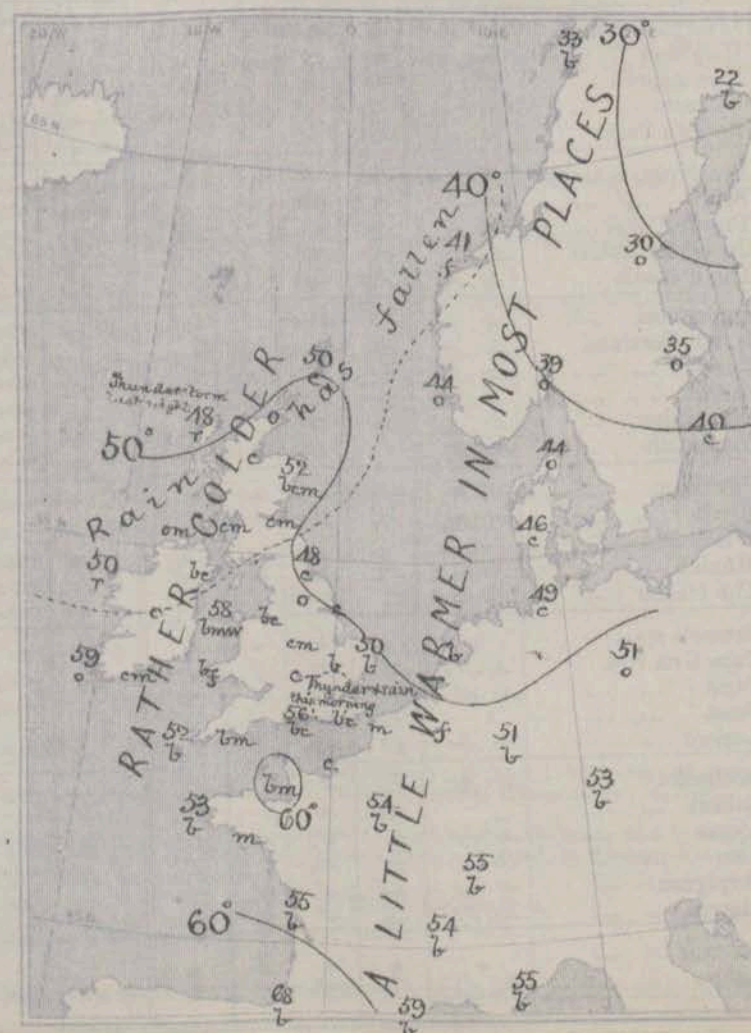
WEATHER—is shown by Letters of the Beaufort Scale.

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 April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	45.9	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.66
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.18
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.89
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Androsau	51.8	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.8	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	46.6	3.83
Roche's Point	53.7	42.4	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Scilly	52.1	43.7	48.6	46.6	2.27
Pravle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.8	48.5	46.9	2.08
Hurst Castle	52.2	41.9	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	55.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.89
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: and more to 30.1 in: over Scandinavia and the Baltic; 30.1 in: and more over Germany and the southeast of France; 30.0 in: and more, over Ireland, and the neighbouring parts of the Atlantic.

Lowest, 29.8 in: and less, over Portugal; 29.9 in: and less, in a band running northwards from the Channel across the western part of Great Britain to the north of Scotland and the Shetlands. Gradients, though slight, are very irregular. Barometer rising most in the west and northwest, and is unsteady elsewhere.

TEMPERATURE

Highest, 68° at Llanrhydy, 64° at Jersey, 60° at Liverpool, 59° at Lerpignan, 57° at Oxford.

Lowest, 22° at Haparanda, 33° at Oslo, 35° at Stockholm, 48° at Tromsø and Shields.

The maxima recorded over England, yesterday ranged between 70° and 78° at the inland stations; they were 78° at Llanrhydy and Rotherham, 77° at Llanrhydy.

WIND

Still light from the End over the eastern half of our area, and E^{ly} to NE^{ly} in the Channel, and E^{ly} to SE^{ly} over the Bay of Biscay.

At many of our western stations, however, it has shifted to NW. or N., and this N^{ly} current is rather stronger than the E^{ly} one in the eastern district.

WEATHER

Dull and rainy in the west and northwest, and though fine in most other regions, is somewhat unsettled and showery in and around London, where thunder was heard locally at 7 a.m.

A little rain has fallen at most of our northern and northwestern stations, and a severe thunderstorm occurred at Tromsø at 10 p.m. A Solar halo was seen at Oxford yesterday.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is of a less settled type than that recently prevailing, and renders the recurrence of thunderstorms probable in many districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

Very Variable winds; rain at times.
Thunder locally, colder.

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

Same as No 5

E^{ly}, SE^{ly} and Varying light breezes, close
and changeable, local showers, perhaps thunder.
Colder later.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

NW^{ly} and N^{ly} breezes, colder,
unsettled, rain at times.

N^{ly} winds, unsettled, 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.07	43	40	SE	4	o	4	Valencia ...	29.74	62	53	SE	3	cm	3
Sumburgh Head ...	29.91	52	52	SE	1	bc	2	Scilly ...	29.78	58	56	SE	3	cf	3
Stornoway ...	29.85	56	53	SE	4	bc	4	Jersey ...	29.82	60	60	SE	3	bc	1
Aberdeen ...	29.85	62	58	SE	3	bc	3	Hurst Castle ...	29.81	58	58	SE	4	c	3
Shields ...	29.86	52	53	SE	3	c	2	Dungeness ...	29.81	58	58	SE	4	c	3
Ardrossan ...	29.86	52	58	SE	1	cm	1	North Foreland ...	29.80	71	58	SE	2	bc	*
Malin Head ...	29.78	56	58	SE	4	c	1	London (W. M. ...)	29.88	72	64	SE	2	bc	2
Mullaghmore ...	29.78	60	53	SE	2	bc	*	Yarmouth ...	29.85	72	64	SE	4	o	*
Belmullet ...	29.78	60	53	SE	2	bc	*	Rochefort ...	29.85	72	64	SE	4	o	*
Holyhead ...	29.82	72	60	SE	2	bc	2								

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

Weather in morning cloudy in many parts of the United Kingdom, but fine at most of the southern stations, as well as over France and nearly the whole of central, southern and eastern Europe. Rain in the west of Norway; dull, with snow, in the north of Russia; cloudy in Spain and Algeria. A little rain falling later over Scotland and the north of Ireland, with a thunderstorm at Stornoway.

Temperature risen in all but the southern countries of Europe. Morning readings highest 68° at Algiers, 66° at Barcelona, 65° at Rhénie, and 64° at Garmna; above 55° at the Mediterranean stations generally, as well as in the southern parts of the United Kingdom. Lowest 15° at Archangel, 19° at Haparanda, 22° at Uleaborg, and 25° at Moscow; below the freezing point at most of the Russian and Austrian stations, and below 40° in Norway. Rising during day to 70° or more in many parts of England, Ireland, and France, reaching 78° at Cambridge, Paris and Perpignan and 81° at Rhénie.

Wind light to moderate from the E³ or SE³ over England, Ireland, France, Germany, the Netherlands, and eastern shore of the North Sea, but SW³ over the northern parts of Scotland. NE³ in the north of Sweden, but SW³ or W³ over the Baltic and the Gulf of Finland. NW³ or N³ over the southern parts of Russia and Italy; SE³ or S³ in Spain and Algeria. Subsequently backing to the S³ in the north of Scotland; no important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards over Poland and the eastern parts of Austria; 30.1 ins. and upwards in a large anticyclone covering a considerable part of central and southern Europe, and extending northwards over Scandinavia. Lowest, 29.7 ins. and less, in a large shallow depression lying to the southward of our islands; 29.9 ins. and less, in other systems lying respectively over Iceland and over the south of Russia. Small secondary disturbances beginning to form later over the Channel and north of France; but barometer rising in the west of our islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 21st April. 1893

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Force	Weather.	Barometer.	Change since Yesterday Morning.	SHADE TEMP.		Wind.		Force	Weather.	Sea	SHADE TEMP.		Amount of Rainfall.		
Inch.	°	Dir.	(0 to 12).	Inch.	°	Dir.	(0 to 12).	Weather.	Inch.	°	Dir.	(0 to 12).	Weather.	Sea	Weather.	Max.	Min.	Inch.			
SCANDINAVIA.	Haparanda ...	29.07	10	2	0	b	29.07	-41	21	20	-1	2	0	c	+	56	1	—			
	Hernösand ...	29.10	10	2	2	c	29.11	-50	20	26	+6	2	2	bc	+	5	25	—			
	Stockholm ...	29.10	12	2	0	c	29.10	-32	24	33	-1	SW	2	+	+	41	20	0.004			
BRITISH ISLANDS.	Wisby ...	29.15	23	ENE	4	c	29.14	-23	26	35	-4	2	2	0	+	43	30	—			
	Bedö ...	29.18	27	E	2	0	29.14	-35	27	36	+4	WNW	4	7	2	0	32	0.028			
	Christiansund...	29.33	43	WNW	5	c	29.15	+07	42	40	+1	SW	4	c	3	4	40	37	0.021		
	Skudesnaes ...	29.15	43	2	0	f	29.15	+03	43	40	-1	WNW	6	c	2	c, f	52	41	—		
	Christiania Fjord (Færd)	29.08	41	2	2	0	29.12	-21	41	40	+2	N	2	m	1	0	46	37	—		
	Skagen (The Scaw)	29.07	42	SW	1	b	29.10	-23	46	45	+2	WNW	4	c	2	b	58	39	—		
	Fanö ...	29.13	43	WNW	2	b	29.10	00	43	40	-3	N	2	c	+	b	61	41	—		
	Sumburgh Head	29.13	47	WNW	3	c	29.23	+25	47	44	-3	W	2	c	3	0.0	32	29	—		
	Stornoway ...	29.21	48	N	4	bc	29.25	+24	47	45	-1	E	2	b	3	0.0	33	33	0.10		
	Wick ...	29.21	40	WNW	3	bc	29.28	+38	47	45	-7	WNW	1	b	0	bc	58	31	0.022		
GERMANY & HOLLAND.	Nairn ...	29.20	48	ENE	1	0	29.27	+32	46	44	-10	ENE	1	c	1	0	63	42	—		
	Aberdeen ...	29.17	47	WNW	4	0.008	29.20	+28	48	44	-4	ENE	2	bc	2	0.0	56	44	0.031		
	Leith ...	29.07	52	N	2	0	29.27	+28	46	44	-7	E	3	0	+	58	43	0.01			
	Shields ...	29.07	54	ENE	2	a	29.25	+22	45	44	-3	N	3	od	3	55	42	—			
	Spurn Head ...	29.06	48	ENE	2	bc	29.18	+14	50	47	0	N	2	bcw	2	52	42	—			
	York ...	29.06	66	E	1	bc	29.20	+17	49	46	-4	N	1	b	+	74	43	—			
	Loughborough	29.02	71	E	2	bc	29.17	+15	52	48	+1	NNE	2	bmw	+	81	41	—			
	Ardrossan ...	29.05	53	2	1	bm	29.21	+23	48	46	-10	ENE	2	cm	1	bm	63	44	—		
	Malin Head ...	29.16	48	N	5	c	29.16	+16	49	48	-3	SE	2	cm	2	0.0	51	46	—		
	Mullaghmore ...	29.22	53	N	5	0	29.12	+04	53	49	0	NNE	3	b	+	51	46	0.07			
FRANCE AND BELGIUM.	Belmullet ...	29.12	54	N	3	m	29.18	+15	48	47	-5	NNE	2	b	1	m	61	47	—		
	Donaghadee ...	29.12	54	N	3	m	29.18	+15	48	47	-5	NNE	2	b	1	m	61	47	—		
	Liverpool (Bidston)	29.07	53	WNW	1	b	29.13	+14	54	51	-6	ENE	1	b	1	b	65	46	—		
	Holyhead ...	29.07	53	2	0	b	29.10	+11	52	50	-6	2	0	bmw	0	b	62	47	—		
	Parsonstown ...	29.10	60	2	0	0	29.09	+07	51	49	-3	2	0	b	0	63	42	—			
	Valencia ...	29.11	57	WNW	4	bc	29.18	+08	60	56	+1	E	3	atp	3	bcw	62	52	0.004		
	Roche's Point	29.08	51	2	2	f	29.02	-01	53	52	+3	E	5	b	4	f	58	49	—		
	Pembroke (St. Ann's Hd.)	29.02	62	N	3	b	29.03	+03	53	56	+5	ENE	3	bc	2	b	65	52	—		
	Scilly ...	29.01	51	WNW	4	f	29.02	-01	52	52	+2	E	5	c	3	f	54	50	—		
	Prawle Point ...	29.02	56	NE	1	bc	29.04	+05	61	55	-1	ENE	4	bm	3	f, bc	67	54	—		
PENINSULA.	Jersey (St. Aubin's)	29.08	72	2	0	bc	29.06	+08	67	57	+9	ENE	2	bcw	2	bm	75	59	—		
	Hurst Castle ...	29.04	61	W	2	b	29.10	+12	60	54	+4	E	3	b	1	bc, b	70	52	—		
	Dungeness ...	29.02	53	E	2	b	29.14	+16	53	52	-4	E	3	bc	2	b	66	49	—		
	North Foreland	29.04	54	E	1	b	29.14	+15	53	51	-2	E	1	b	2	b	61	48	—		
	London ...	29.02	71	N	5	cq	29.15	+14	53	53	+3	E	1	bm	+	c, b, f, bc	82	47	0.01		
	Oxford ...	29.05	67	NE	1	0	29.14	+14	61	53	+4	2	0	bc	+	80	47	—			
	Cambridge ...	29.04	71	ENE	1	b	29.16	+14	53	52	+3	ENE	1	b	+	84	46	—			
	Yarmouth ...	29.08	52	NNE	1	b	29.16	+14	53	48	0	E	2	b	2	b	54	45	—		
	Cuxhaven ...	29.14	51	NNE	3	b	29.10	+08	50	49	+1	WNW	3	m	+	b	58	49	—		
	Berlin ...	29.09	57	NNE	3	b	29.10	+02	50	48	-1	2	0	0	+	63	46	—			
GERMANY & HOLLAND.	Wiesbaden ...	29.11	57	SW	5	bc	29.09	-01	53	50	+2	SW	4	bc	+	70	46	0.004			
	Munich ...	29.11	57	SW	5	bc	29.09	-01	53	50	+2	SW	4	bc	+	70	46	0.004			
	The Helder ...	29.15	50	NE	1	b	29.24	+16	50	48	+1	NE	1	b	1	b	54	45	—		
	Brussels (p.m.)	29.16	57	NE	2	bc	29.16	+15	57	50	-3	ENE	2	b	0	b	78	46	—		
	Cape Gris Nez	29.02	53	ENE	2	bc	29.12	+17	57	52	+3	ENE	1	b	0	bc	64	50	—		
	Paris ...	29.01	73	NNE	1	b	29.12	+11	57	50	+3	NNE	2	b	+	82	47	—			
	Brest ...	29.02	67	NE	2	c	29.02	0	63	54	+10	ENE	3	bc	3	c	73	53	—		
	Lorient ...	29.05	64	2	0	c	29.07	+01	61	54	+10	ENE	4	bc	4	c	73	51	—		
	Rocheport ...	29.04	76	E	1	c	29.00	+05	58	55	+3	NE	3	b	+	b, c	80	54	—		
	Belfort ...	29.02	68	2	0	b	29.12	+01	57	50	+3	E	1	b	+	b	77	48	—		
FRANCE AND BELGIUM.	Lyons ...	29.12	53	SW	1	bc	29.14	-01	53	51	-2	E	1	c	1	bc	64	48	—		
	Nice ...	29.08	59	NE	2	c	29.14	+07	53	56	0	NE	2	0	+	c	68	57	—		
	Perpignan ...	29.08	60	NE	3	c	29.08	+11	64	58	-4	N	3	c	3	c	68	48	—		
	Biarritz ...	29.06	60	NE	3	c	29.08	+11	64	58	-4	N	3	c	3	c	68	48	—		
	Corunna ...	29.04	57	SW	3	0	29.01	+01	61	57	+1	2	6	0	+	64	54	0.20			
	Lisbon ...	29.04	57	SW	3	0	29.01	+01	61	57	+1	2	6	0	+	64	54	0.20			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 21st April, 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:

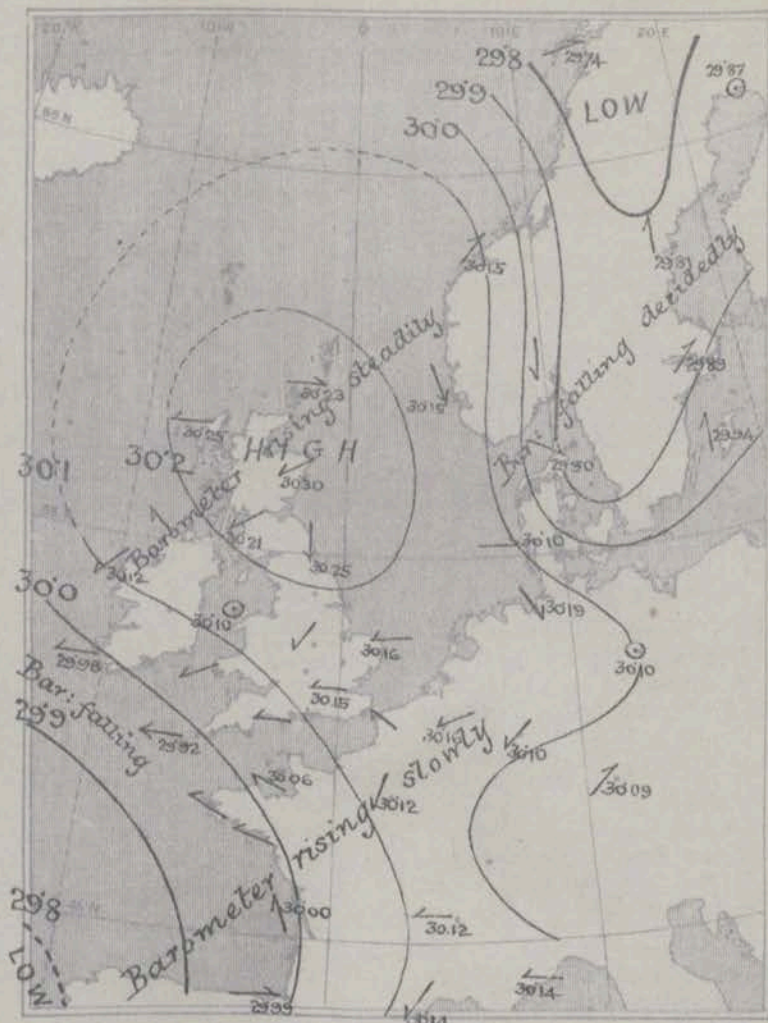
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER.

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

During the 30 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.838
Leith	29.803
Shields	29.808
Spurn Head	29.803
York	29.875
Loughborough	29.879
Androsan	29.867
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
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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.

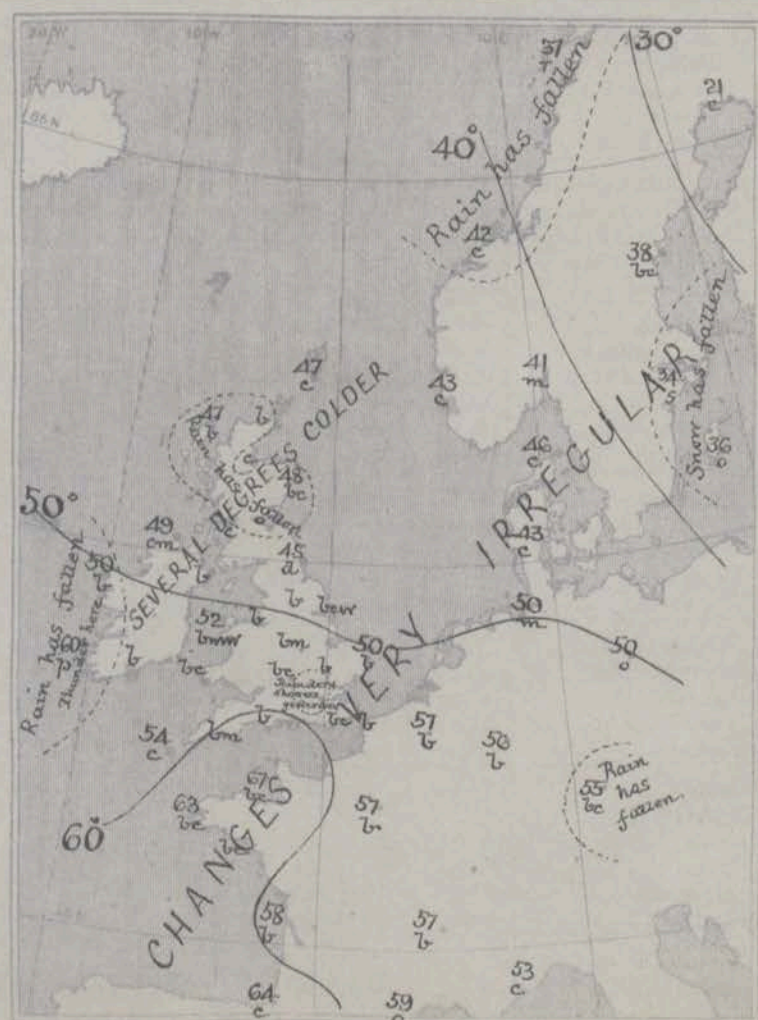
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	46.0	36.7	41.7	40.2	2.07
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Wick	48.9	35.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith.....	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.89
Spurn Head.....	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	42.1	1.78
Androsan	51.5	39.3	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee.....	51.0	40.0	44.6	42.9	1.92
Holyhead.....	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.8	45.0	42.1	1.85
Parsonstown	54.6	38.0	45.0	42.3	2.04
Valencia	53.9	42.8	48.2	46.6	3.83
Roche's Point.....	53.7	42.1	46.8	44.5	3.24
Pembroke.....	50.4	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.0	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	53.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.6	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.8	44.9	42.1	1.10
Cambridge	55.8	37.3	46.2	43.0	1.09
Yarmouth	49.1	39.9	44.7	43.8	1.70

NOTE—The Temperature means are for the 30 years 1871-90, the Rainfall means are mainly those for the 35 years 1856-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: to 30.2 in: over Scotland and the adjacent parts of the North Sea; 30.1 in: and more over nearly the whole of Great Britain, the North Sea, the Netherlands, and the east and south of France.

Lowest, 29.8 in: off the west coast of Portugal, and also over the west of Lapland, and below 29.9 in: over the south of Sweden.

Gradients slight and variable. Barometer still rising in the north and east, but has begun to fall very decidedly in the west and south-west of our Islands.

TEMPERATURE

Highest, 67° at Jersey, 64° at Biarritz, 61° at Lisbon, Ponta Point, and Oxford.

Lowest, 21° at Haparanda, 34° at Stockholm, 45° at Shields, 46° to 48° at the Scotch stations.

The maxima recorded yesterday were 81° at Loughborough, 82° in London, 84° at Cambridge; 82° at Paris, 88° at Biarritz, 90° at Rochefort.

WIND

Varies considerably in different localities; it is (1) SE³ to E³ in the west of France, E³ over the Channel, England, and Ireland, nearly calm in Scotland; W³ in the Shetlands, SW³ over the northern half of Norway, NW³ over Denmark and Holstein, variable over Germany.

WEATHER

Very fine over France and the British Islands, as a whole, but unsettled on our extreme southwestern coasts, with thunder and showers at Valence Island. Over Lapland also it is cloudy, with rain in places.

Thunder showers occurred locally in several parts of London yesterday, and a sharp squall passed over Westminster at 6 p.m., accompanied by a slight shower. Rainfall varied greatly over different parts of the Metropolitan area.

SEA

Moderate at Ponta Point and Lorient, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A rather large, but apparently not deep depression seems to be approaching Ireland from the Atlantic.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

Wind becoming SE² and S²; fine and very warm today, uncertain tomorrow.

E² to SE² winds; very fine and warm uncertain for tomorrow.

DISTRICTS.

FORECASTS.

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

SE² winds, moderate or light; fine.

E² to SE² winds, freshening; fair to showery.

SE² winds, freshening; fair to rainy.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	Ther.	WIND.	F.	WEA.	SEA.		BAR.	Ther.	WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.					Dry.	Wet.	Dirac.		
Skudesnaes ...	30.16	52	42	W	1	C	2	Valencia ...	30.11	59	56	N	4
Samburgh Head ...	30.01	48	48	NW	2	0	4	Scilly ...	30.01	52	52	NNE	2
Stornoway ...	30.16	48	46	N	4	0	4	Jersey ...	30.03	60	61	S	2
Aberdeen ...	30.05	50	48	SE	2	C	3	Hurst Castle ...	30.03	60	61	S	2
Shields ...	30.07	52	49	E	2	C	3	Dungeness ...	30.02	61	56	E	1
Ardrossan ...	30.03	60	57	SW	1	C	0	North Foreland ...	30.02	60	54	E	1
Malin Head ...	30.12	48	47	NW	5	0	3	London (W. M. B.) ...	30.01	70	60	SE	2
Mullaghmore ...	30.10	51	48	NNE	5	0	1	Yarmouth ...	30.06	52	50	NNE	2
Belmullet ...	30.06	51	52	NW	1	0	1	Rochefort ...	29.96	58	60	SE	3
Holyhead ...	30.06	51	52	NW	1	0	1						

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

Weather in morning fine and bright over the greater part of the United Kingdom, as well as over the Netherlands, France, northern Italy, western Germany, and northern Russia. Thunder showers in London in early morning. Dull in the extreme west and north of our Islands, with rain at Lonsdale and Belmullet, cloudy or overcast at most of the Scandinavian stations, as well as in Spain and Italy, with rain at Genoa. A little rain falling during day in Scotland and the west of Ireland, and large quantities in the coast of Norway, snow reported in the south of Sweden. Further thunder showers experienced in London in afternoon.

Temperature fallen a little in the west and north of our Islands, as well as in many parts of northern and southern Europe, but risen elsewhere. Morning readings highest 68° at Biarritz, 66° at La Calle, and 65° at Algiers, and 64° at Nemours and Oram; above 55° in several parts of the United Kingdom, and as high as 62° at Pau and 60° at Liverpool. Lowest 13° at Uleaborg, 17° at Archangel, 20° at Kuopio, and 22° at Haparanda; below the freezing point at many of the Russian and Swedish stations. Daily maxima over England exceptionally high for the time of year, thermometer exceeding 80° at many of the island stations and reaching 84° at Cambridge. Readings scarcely so high over France generally, but thermometer rising to 82° at Paris and 88° at Biarritz.

Wind light from the End or NEnd in the east and south of England and from the End or SEnd in the west of France; rather variable in the west of our Islands, but chiefly Nth or NWth. Light from the Nth or NEnd over Denmark, Sweden, and the Baltic, but NWth over the central and southern parts of Russia. Light and very variable over Germany, Austria, and Italy; SEth or Sth in Spain and Algeria. Nth winds setting in later over a considerable portion of our Islands and NEth breezes in the west of France.

Barometer highest 30.1 in. to 30.3 in. in an anticyclone lying over Scandinavia, Denmark, and Iceland; 30.1 in. to 30.2 in. in another system covering the greater part of southern and eastern Europe; 30.4 in. and upwards in a third area spreading over our western coasts from the Atlantic. Lowest 29.7 in. and less, in a depression over Central Russia, 29.8 in. and less, in a shallow system lying off the Portuguese coasts. Anticyclone over the west of our Islands subsequently spreading eastwards over nearly the whole Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday 22nd April. 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.	FORCE (0 to 12).	WEATHER.		BAROMETER.	CHANGE since Yesterday Morn.	SHADE TEMP.		WIND.	FORCE (0 to 12).	WEATHER.	SEA (6 to 9).	SHADE TEMP.		AMOUNT of RAINFALL.	
		Reading at 5 P.M. and Sea Level.	Dry Bulb.	Dir.				Reading at 5 P.M. and Sea Level.		Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.				Max.	Min.	
		Inch.	°					Inch.	°	°	°								Inch.

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, 22nd April, 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:

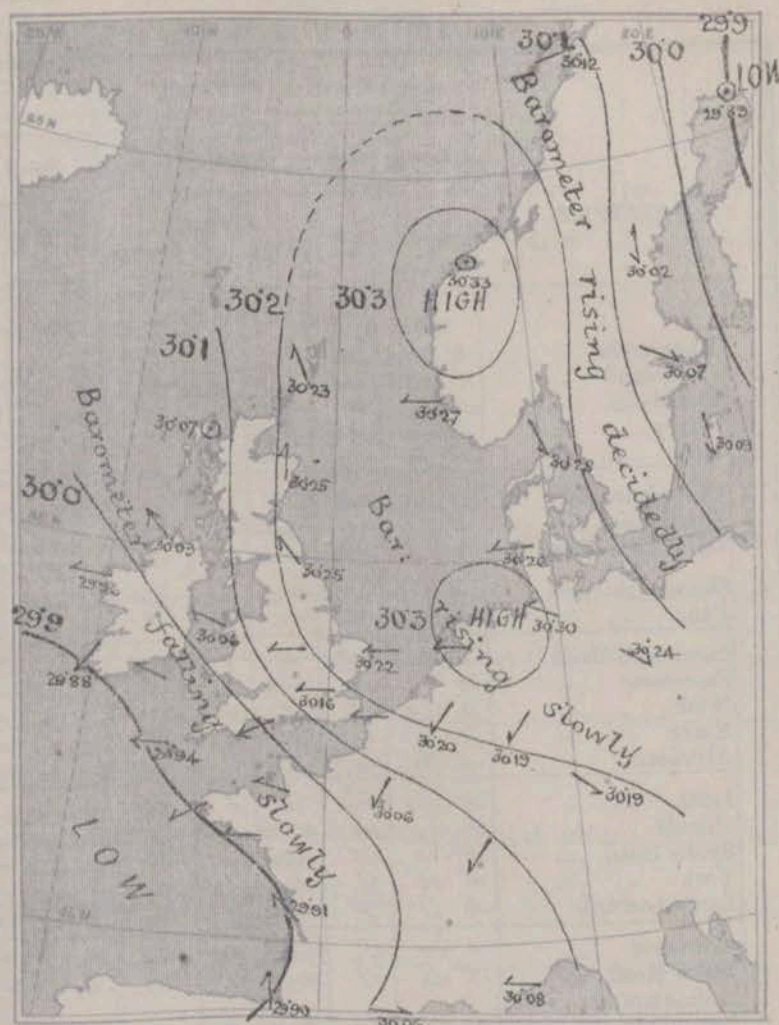
▨ = Rough; ▩ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.868
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Seilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

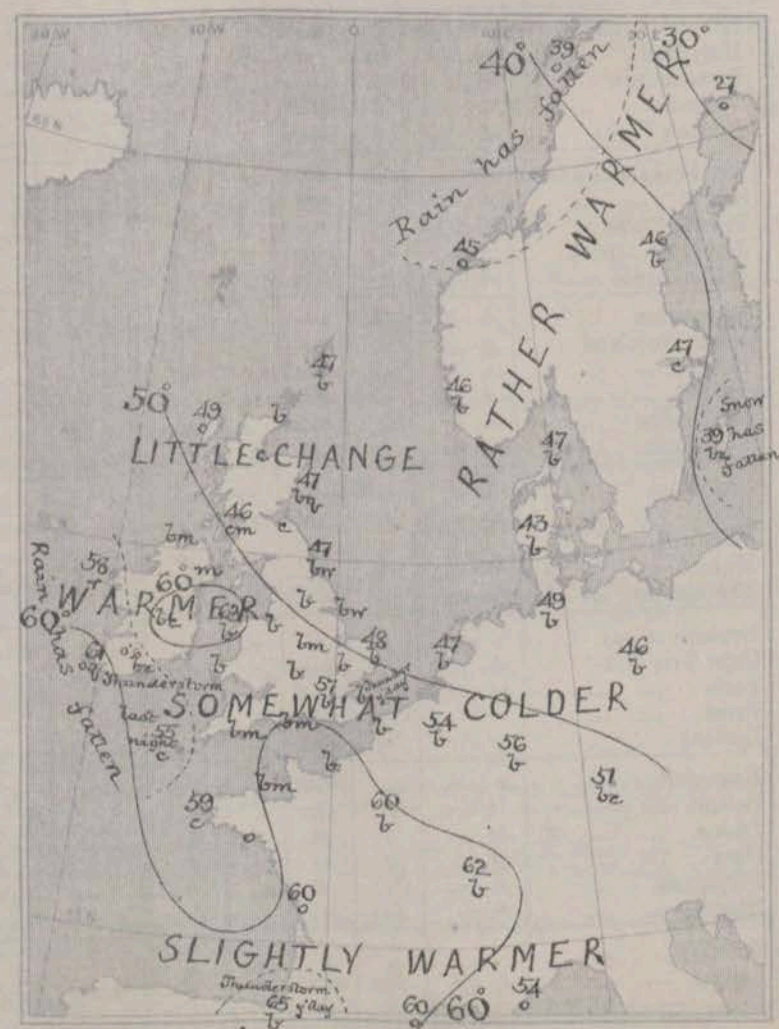
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 A.M.	At 8 A.M.	
			Dry.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.0	37.2	43.8	42.3	2.65
Wick	48.0	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.5	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.6	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.2	42.3	45.3	43.0	2.06
Donaghadee	51.0	40.0	44.6	42.9	1.02
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	46.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	46.2	43.4	1.94
Seilly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	45.6	45.9	2.08
Hurst Castle	52.1	41.0	45.8	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.7	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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, (1) 30.2 ins. and more to 30.2 ins. in an anticyclone which still covers the North Sea, Norway, Denmark, North Germany, and the eastern parts of Great Britain; (2) 30.0 ins. and more over the southern parts of the Spanish Peninsula.
 Lowest, 29.9 ins. and less, off our extreme southwestern coast and over the Bay of Biscay and also over Ireland.
 Gradients moderate over our western districts, slight elsewhere.
 Barometer falling over our Islands, most in the southwest, rising decidedly at Lisbon, and slightly in the southeast of France.

TEMPERATURE

Highest, 65° at Biarritz, 63° at Jersey and Holyhead, 61° at Valencia (Ireland), 60° at Lisbon, Bournemouth, Rochefort and Paris.
 Lowest, 27° at Havanada, 33° at Bodo, 47° on the north and northeast coasts of Great Britain.
 The maxima recorded yesterday were 79° at Cardiff and in London, 80° at Loughborough, 81° at Cambridge and Paris, 88° at Rochefort.

WIND

SE¹ to E³ over the United Kingdom, and freshening at several stations; E³ in the Channel, SE¹ to S³ in the southwest of France, WSW³ at Lisbon. Over Sweden and the Baltic it is N³.

WEATHER

Very fine at almost all stations, but dull and squally at Valencia (Ireland).
 Thunderstorms have occurred about the mouths of the English and St. George's Channels and also at Biarritz; considerable rain has fallen at Biarritz and Rochefort.

SEA

Moderate on our southwestern coast, slight elsewhere, but inclined to rise a little in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer over our Islands is likely to continue and the easterly wind to freshen considerably. The distribution of pressure is of a less settled type than of late.

FORECASTS

For the 24 hours ending at NOON on 23rd APRIL 1893.

DISTRICTS.

FORECASTS.

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

SE¹ winds, increasing in strength; fine.
 E² winds, freshening decidedly; fine and dry today, uncertain tomorrow.

DISTRICTS.

FORECASTS.

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

SE¹ breezes, moderate; fine.

Same as N^o 3 to 5.

SE² and E² winds, increasing in strength; fine to rainy.

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.			
Skudeannaes ...	30.23	48	49	NW	1	b	3	Valencia ...	30.28	61	61	E	4	mg	4
Samburgh Head ...	30.25	50	47	W	2	c	3	Scilly ...	30.33	60	57	E	5	c	3
Stornoway ...	30.20	49	47	NE	4	b	4	Jersey ...	30.00	70	61	E	2	cm	1
Aberdeen ...	30.25	40	40	SE	2	c	2	Hurst Castle ...	30.11	70	61	SE	2	b	1
Shields ...	30.26	45	45	ENE	2	f	2	Dungeness ...	30.14	61	57	E	3	bc	2
Ardrossan ...	30.15	57	51	NE	4	cm	2	North Foreland ...	30.15	57	51	E	1	b	2
Malin Head ...	30.11	52	50	E	4	b	2	London ...	30.13	74	57	E	2	b	*
Mullaghmore ...								Yarmouth ...	30.20	52	50	ENE	1	b	2
Belmullet ...	30.00	61	58	ENE	2	b	*	Rochefort ...	29.88	57	71	SE	1	b	*
Holyhead ...	30.06	61	57	N	1	cm	1								

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

Weather fine over the greater part of our Islands, France, Italy, Austria, and the Netherlands, but thunder showers reported at Valencia (Ireland), cloudy in most parts of northern and eastern Europe, with rain at St. Petersburg and with snow at Stockholm and Archangel; dull also in Spain, with rain at Barcelona and Madrid. No important change occurring later, but thunderstorms reported at night at Rochefort, Seilly, and Thionville.

Temperature fallen in the northern parts of our Islands, as well as at many of the Russian stations, but risen elsewhere. Morning readings highest (1) 48° at Algiers, 74° at Ann, and 66° at Calais; (2) 67° at Jersey, 63° at Brest, and 61° at Howle Point; above 55° over the southern parts of our Islands generally. Lowest 13° at Archangel, 18° at Uleaborg, and 21° at Haparanda, St. Petersburg, and Moscow; below the freezing point over Russia generally. Rising later to 75° or more over the inland parts of England and France, and reaching 82° at Cambridge and Paris; remaining below 55° on the north and northeast coast of Great Britain, and not exceeding 47° at Shields.

Wind E over our Islands, the Netherlands and the north of France; light in force generally, but fresh on our extreme southwestern coast. Moderate from the SE in the west of France, fresh or strong from the S in the eastern coast of the Spanish Peninsula. NW on the eastern shores of the North Sea, but SW in the west of Norway and S in Sweden; N or NW in Russia; variable over Germany, Austria, Italy and Algeria. No important change occurring during day.

Barometer highest 30.2 in; and upwards over the northern parts of our Islands and the North Sea, 30.1 in; and upwards in an anticyclone extending northward from the Mediterranean across the south and east of France, western Germany, and the Netherlands to Great Britain, the north of Ireland and the coast of Norway. Lowest 29.5 in; and less, in a depression over northern Russia; 29.8 in; and less, in another disturbance lying off the Portuguese coast. Fall taking place in most parts of Western Europe during day and anticyclone moving slowly 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. equally; 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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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 23rd April,

1893

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.		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.
Ins.		°				Ins.	°	°	°							°	Ins.			
SCANDINAVIA.	Haparanda ...	30.16	33	L	0	b	29.95	+ .06	29	37	+ 12	W	2	0	#	b	29	14	-	
	Hernösand ...	30.21	43	L	0	bc	30.23	+ .21	43	38	- 3	SW	2	0	#	bc	54	36	-	
	Stockholm ...	30.26	41	N	2	b	30.31	+ .24	42	37	- 5	L	0	b	#	b	52	32	-	
	Wisby ...	30.25	38	NNE	4	b	30.35	+ .26	38	36	- 1	NNE	2	b	#	b	46	34	-	
	Bodö ...	30.30	40	SW	4	0	30.32	.00	40	40	+ 1	SW	5	r	3	0	41	37	0.04	
	Christiansund...	30.33	46	ESE	1	c	30.28	- .05	46	44	+ 1	SE	1	bc	3	c	48	42	-	
	Skudesnaes ...	30.28	33	E	1	bc	30.33	+ .06	44	42	- 2	L	0	b	1	bc	55	41	-	
	Christiania Fjord (Færdar)	30.29	48	W	2	b	30.36	+ .09	44	42	0	N	2	bc	1	b	50	43	-	
	Skagen (The Scaw)	30.31	40	L	0	b	30.35	+ .07	46	44	- 1	ESE	1	c	0	b	55	37	-	
	Fanö ...	30.30	45	E	1	b	30.30	+ .04	48	45	+ 5	E	2	b	#	b	59	42	-	
ISLANDS.	Sumburgh Head	30.14	46	SSE	2	c	30.18	- .05	44	46	+ 2	SSE	2	b	3	bc	50	42	-	
	Stornoway ...	30.06	57	L	0	bc	30.04	- .03	57	54	+ 8	L	0	b	2	bc	64	42	-	
	Wick ...	30.12	48	S	3	0	30.18	- .06	49	46	+ 2	S	5	b	3	0	59	42	-	
	Nairn ...	30.09	52	L	0	b	30.10	- .04	48	48	+ 1	L	0	b	0	b	56	34	-	
	Aberdeen ...	30.20	45	S	3	b	30.20	- .05	49	46	+ 2	SSE	3	bc	2	bc	52	41	-	
	Leith ...	30.17	50	E	1	b	30.16	- .07	45	44	- 2	ENE	2	c	#	b	52	41	-	
	Shields ...	30.19	47	E	3	b	30.16	- .09	45	46	+ 1	ESE	2	b	2	b	49	40	-	
	Spurn Head ...	30.18	46	E	3	b	30.11	- .13	50	47	+ 2	E	3	bc	3	b	51	42	-	
	York ...	30.18	58	E	3	b	30.14	- .11	50	47	+ 2	N	1	b	#	b	66	36	-	
	Loughborough	30.12	63	ENE	3	b	30.11	- .10	45	43	- 3	NNE	3	cm	#	b	70	38	-	
BRITISH.	Ardrossan ...	30.06	63	NE	4	b	30.10	- .05	46	46	+ 3	NE	3	bm	2	b	65	42	-	
	Malin Head ...	29.98	64	SE	5	b	30.01	- .02	51	46	- 4	SE	4	bm	2	b	65	51	-	
	Mullaghmore ...																			
	Behnullet ...	29.89	68	E	2	b	29.95	- .01	65	53	- 3	ESE	4	0	#	b	71	53	-	
	Donaghadee ...	30.05	56	SSE	3	b	30.08	?	54	48	+ 3	ESE	4	b	2	b	59	49	-	
	Liverpool (Bidston)	30.06	66	ESE	4	b	30.08	- .08	53	49	- 3	ESE	1	b	1	b	70	43	-	
	Holyhead ...	30.00	64	ESE	2	b	30.02	- .04	57	52	- 6	E	1	b	1	b	75	48	-	
	Parsonstown ...	29.90	66	SE	1	c	30.00	+ .03	54	53	- 7	SW	1	or	#	c	73	51	0.02	
	Valencia ...	29.82	63	SE	5	0	29.96	+ .08	65	53	- 6	SSE	3	c	3	op, o	69	52	0.03	
	Roche's Point	29.90	54	ESE	5	c	29.98	+ .05	53	52	- 4	SE	4	f	4	cf	59	50	-	
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	29.95	56	SE	2	c	30.02	+ .06	53	51	- 6	ESE	2	bc	2	c	70	48	0.14	
	Scilly ...	29.93	57	ESE	4	c	29.98	+ .04	55	55	0	SSE	4	cm	2	c	58	52	-	
	Prawle Point ...	29.96	55	NE	3	b	30.05	+ .09	53	53	- 3	E	1	f	0	b, br, f	58	50	0.70	
	Jersey (St. Aubin's)	29.95	69	E	1	c	30.06	+ .10	57	53	- 6	W	3	b	3	cr	69	51	0.33	
	Hurst Castle ...	29.99	60	E	4	c	30.05	.00	52	50	- 8	L	0	c	1	bm, c	70	49	-	
	Dungeness ...	30.04	54	E	6	b	30.01	- .12	55	52	+ 1	E	3	m	2	bc, b	55	48	-	
	North Foreland	30.07	49	F	3	b	30.02	- .14	54	51	+ 3	SE	1	b	3	b	54	46	-	
	London ...	30.07	56	E	3	b	30.04	- .12	54	50	- 3	ENE	2	b	#	b	61	45	-	
	Oxford ...	30.07	56	E	2	b	30.05	- .09	50	47	- 8	NE	1	b	#	b	72	41	-	
	Cambridge ...	30.12	62	ENE	2	b	30.07	- .14	50	47	- 1	NNE	2	b	#	b	74	35	-	
FRANCE AND BELGIUM.	Yarmouth ...	30.18	49	ENE	3	b	30.07	- .15	50	47	+ 2	ESE	3	b	3	b	50	46	-	
	Cuxhaven ...	30.32	48	N	3	b	30.32	+ .02	49	47	0	E	2	b	#	b	55	48	-	
	Berlin ...	30.26	54	NE	3	b	30.30	+ .06	48	41	+ 2	ENE	3	b	#	b	61	41	-	
	Wiesbaden ...	*	*	*	*	*	30.18	- .01	54	47	- 2	NE	4	b	#	*	68	46	-	
	Munich ...	30.20	50	N	4	b	30.17	- .02	51	43	0	E	6	b	#	b	61	36	-	
	The Helder ...	30.27	53	E	3	b	30.21	- .10	53	48	+ 6	ESE	3	b	2	b	64	46	-	
	Brussels (o a.m.)	*	*	*	*	*	30.06	- .14	58	46	+ 6	NE	2	bc	#	b	71	47	-	
	Cape Gris Nez	30.04	53	ENE	4	bc	29.99	- .12	58	51	+ 5	SE	1	b	0	bc	63	50	-	
	Paris ...	29.97	74	ENE	2	b	30.08	- .03	58	54	- 2	WSW	2	bc	#	b	68	48	-	
	Brest ...	?	61	SSE	2	c	?	?	55	54	- 4	SSW	1	c	3	c	66	52	-	
PENIN- SULA.	Lorient ...	29.98	54	SW	3	0	30.06	+ .18	55	54	- 3	S	1	c	2	0	72	52	-	
	Rochefort ...	29.98	63	SSE	3	c	30.05	+ .14	54	54	- 6	L	0	f	#	bc, c	75	54	-	
	Belfort ...																			
	Lyons ...	29.92	73	E	1	b	30.05	- .01	61	54	+ 4	W	1	b	#	b	82	32	-	
	Nice ...																			
	Perpignan ...	30.00	65	SSW	1	0	30.01	- .06	68	57	+ 8	W	2	b	#	0	67	53	-	
	Biarritz ...	29.95	70	W	2	bc	30.01	+ .11	58	56	- 7	SW	3	bc	2	bc	73	55	-	
	Corunna ...	*	*	*	*	*														
	Lisbon ...	30.10	59	W	2	b	30.05	+ .01	60	58	0	ENE	2	b	#	*	64	54	-	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on

1893.

Sunday, 23rd April,

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— force above 10 — force 8 to 10;

— force 5 to 7 — force 1 to 4.

— dead calm.

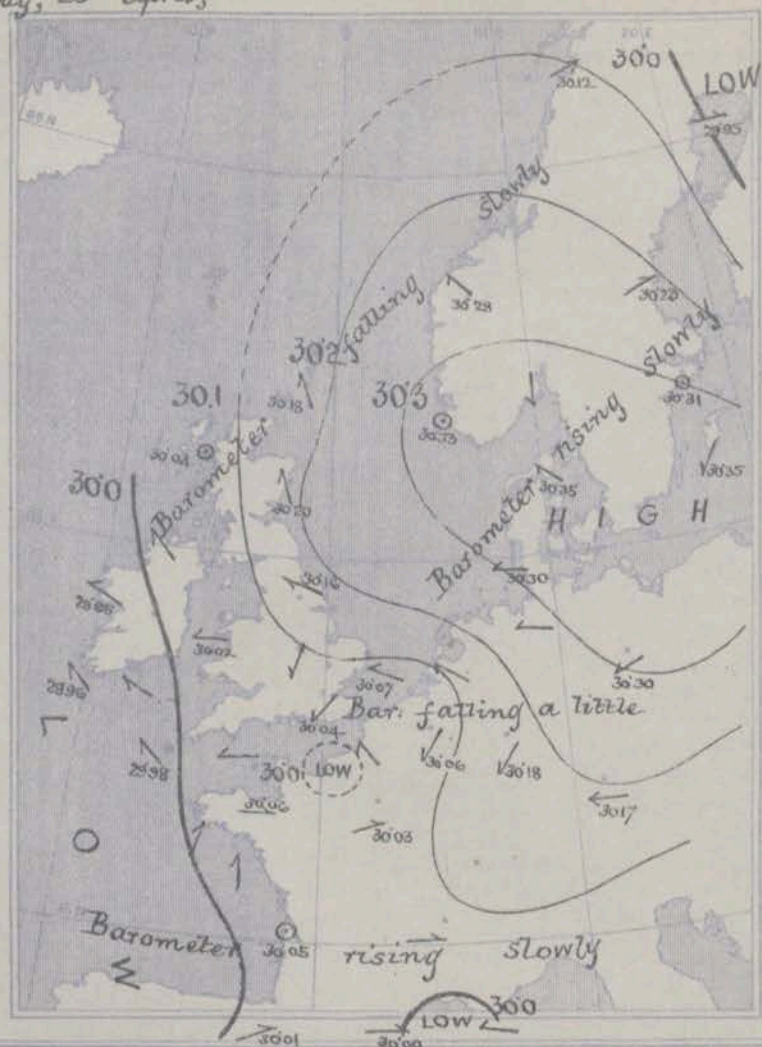
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough, — High.

MEAN HEIGHT OF THE BAROMETER.

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.887
Mullaghmore	29.889
Donaghadee	29.859
Holyhead	29.887
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.875
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

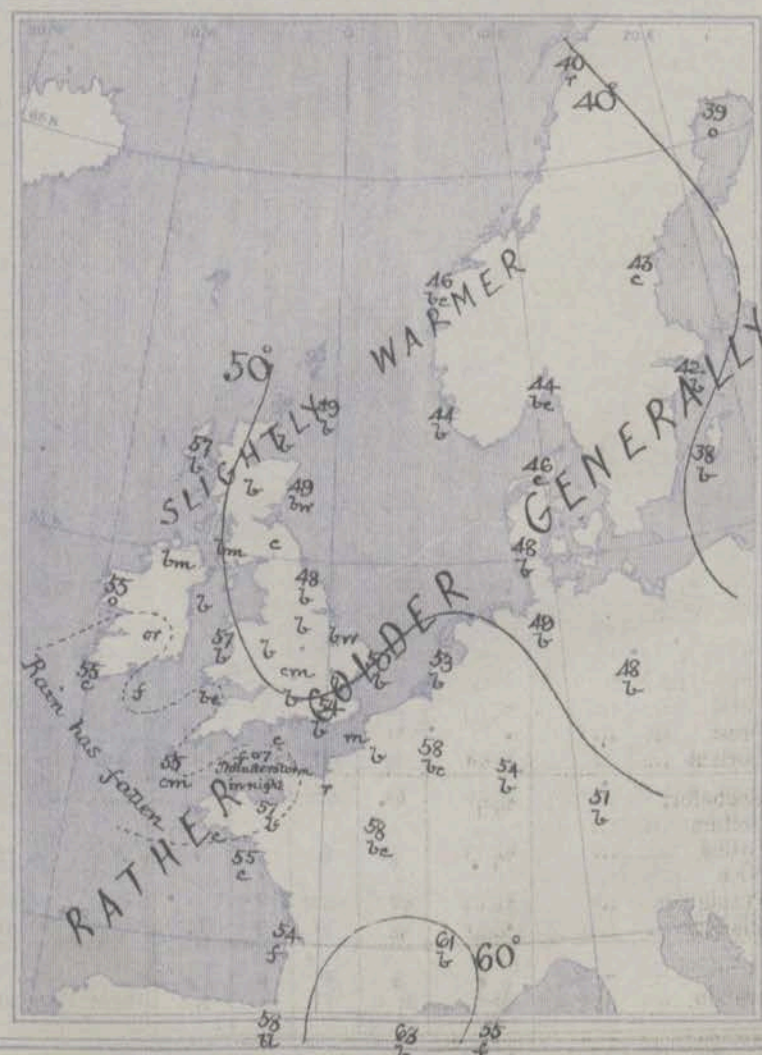
WEATHER is shown by letters of the Beaufort Scale.

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 April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.58
Wick	48.0	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.6	41.4	1.89
Spurn Head	48.4	40.2	44.0	42.3	1.45
York	53.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.8	38.0	45.0	42.5	2.04
Valencia	55.9	42.8	45.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.6	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	50.0	39.7	46.1	45.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and more to 30.1 in: in an anticyclone covering Scandinavia, Germany, the North Sea, the northern part of Britain and the west of France.
Lowest, Below 29.95 in: off the west of Ireland, and rather below 30.0 in: in a small disturbance over the eastern half of the Channel.

Gradients slight—mainly favourable for SE winds, but irregular over our southwestern districts.

Barometer not changing much anywhere, though it had fallen rather decidedly over England during the preceding 24 hours.

TEMPERATURE

Highest, 68° at Perpignan, 61° at Lyons, 60° at Lisbon, 58° at Paris, and 57° at St. Moritz.

Lowest, 38° at Wick, 39° to 40° over Scotland, 45° at Loughborough.

The maxima recorded yesterday ranged between 67° and 74° over our inland districts.

WIND

S, light in Scotland, SE, moderate over Ireland.

E to NE light over England, W in the north of France and at Jersey.

E over the south of Germany—Variable over the south of France.

It blew very freshly from the E in the Channel yesterday.

WEATHER

Very fine generally, but cloudy or foggy on our southwestern coasts. A thunderstorm prevailed at Plymouth and slight rain at Exeter.

A good deal of rain fell over the western half of the Channel in the night, and a thunderstorm occurred at Bournemouth.

SEA

Moderate at Bournemouth—slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 24th April

1893.

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

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

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.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.31	55	46	NW	2	c	2	Valencia ...	29.59	68	63	E	3	comp	5
Samburgh Head ...	30.21	49	47	SSE	2	bc	3	Scilly ...	29.58	57	54	E	4	c	2
Stornoway ...	30.07	59	57	S	2	bc	3	Jersey ...	29.47	65	61	ESE	1	o	1
Aberdeen ...	30.21	52	45	S	4	bc	4	Hurst Castle ...	30.02	68	61	E	5	bc	3
Shields ...	30.22	47	45	ESE	4	b	3	Dungeness ...	30.07	55	51	E	6	bc	5
Ardrossan ...	30.10	65	59	NE	4	b	2	North Foreland ...	30.16	51	49	E	3	b	3
Malin Head ...	30.02	64	61	ESE	5	b	2	London ...	30.12	64	54	ESE	3	b	3
Mullaghmore ...								Yarmouth ...	30.22	50	47	E	4	b	3
Belmullet ...	29.91	69	65	E	2	b	1	Rochefort ...	29.47	72	61	WNW	3	bc	*
Holyhead ...	30.03	68	58	E	2	b	1								

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

Weather fine and bright over the greater part of our Islands and the Continent, but dull in the west of Ireland, with rain at Belmullet. Dull also in the west of Norway, the south of France, and at most of the Russian stations, with snow at Archangel and Kier. Showers falling later in the southwest of our Islands and a thunderstorm, with heavy rain (0.7 in) occurring at Hawks Point. Rain also falling in the south of Russia and some parts of Spain, but weather remaining fine and dry over Europe generally.

Temperatures changed very irregularly. Morning readings highest 70° at La Caille, 68° at Algiers, 66° at Malta, and 65° at Riancho; slightly above 60° at some of our own western and southern stations, as well as over Central France. Lowest, 19° at Moscow, 22° at Archangel, 27° at Haparanda, and St. Petersburg, and 28° at Ushakov; below the freezing point over Russia generally. Rising during day to 70° or more in several parts of England, France, Spain, and Italy; highest maxima in our Islands 75° at Holyhead, and 74° at Cambridge; highest Continental readings 86° at Limas, 84° at Clermont, and 83° at Paris and Lyons.

Wind E³ (NE to SE) over our Islands, the Netherlands, and the greater part of France; light or moderate in force generally, but fresh or strong on our southwest coasts. NW¹ or N¹ over Sweden, Germany, Austria, and the northern and central parts of Russia; variable in Italy; SW¹ or W¹ in Spain; SE¹ in Algiers. No important change occurring during day.

Barometer highest 30.3 ins and upwards in the west of Europe; 30.1 ins in an anticyclone covering the greater part of Scandinavia, Denmark, Germany, and the northern and eastern part of Great Britain, as well as in smaller areas lying over Spain and the Mediterranean. Lowest 29.7 ins and less, in the north of Russia; 29.8 ins and less, in a depression over Austria; 29.9 ins and less, in a large shallow area lying over the Bay of Biscay and the extreme southwest of Ireland. A depression subsequently moving eastwards; disturbance over Bay of Biscay spreading northwards over our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 24th April. 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 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.		Min.				
SCANDINAVIA.	Ina.	°				Ina.	°	°	°								Ina.			
	Haparanda ...	30.23	32	2	0	bc	30.17	+2.2	31	31	-3	NNE	2	c	4	bc	42	25	—	
	Hernösand ...	30.35	45	W	2	a	30.15	-0.4	37	35	-6	NE	2	o	4	c	53	20	0.04	
	Stockholm ...	30.10	49	NNW	2	T	30.07	-2.4	44	43	+6	NNW	4	c	4	c	53	32	0.04	
	Wisby ...	30.13	45	W	4	o	30.04	-2.1	41	40	+3	NNE	4	c	4	o	46	32	—	
	Bodö ...	30.10	37	2	0	o	30.20	+0.1	40	37	0	N	2	bc	1	o	46	32	0.12	
	Christiansund...	30.22	47	W	1	o	30.26	-0.2	42	41	-4	NNW	4	f	4	o	53	41	—	
	Skudesnaes ...	30.32	27	W	1	f	30.25	-0.1	44	41	0	2	0	bc	1	c	45	36	—	
	Christiania Fjord (Fjorder)	30.17	44	NNW	4	bc	30.14	-2.2	45	43	+1	N	2	f	1	c	48	43	—	
	Skagen (The Scaw)	30.17	49	NNW	3	bc	30.10	-2.5	46	44	0	N	2	bc	0	bc	53	43	—	
Fanö ...	30.27	50	2	0	bc	30.22	-0.1	43	44	+1	NNW	3	bc	4	bc	72	37	—		
BRITISH ISLANDS.	Sumburgh Head	30.17	48	SE	1	bc	30.13	-0.5	47	47	0	SW	1	bc	2	bc	52	43	—	
	Stornoway ...	30.04	63	SE	3	bc	30.11	-0.7	51	49	-6	2	0	bc	2	bc	57	40	—	
	Wick ...	30.10	53	W	2	bc	30.13	0.0	51	48	+2	NN	1	bc	0	bc	53	35	—	
	Nairn ...	30.12	61	E	1	bc	30.10	0.0	54	50	+6	SW	1	bc	1	bc	70	37	—	
	Aberdeen ...	30.17	47	SE	2	bc	30.15	-0.5	51	48	+2	SE	2	bc	2	bc	52	38	—	
	Leith ...	30.12	47	ENE	2	bc	30.15	-0.1	44	44	-1	NNE	1	bc	4	bc	53	35	—	
	Shields ...	30.13	47	E	3	bc	30.15	-0.1	46	45	-2	2	0	m	2	bc	52	36	—	
	Spurn Head ...	30.09	43	E	4	bc	30.10	-0.1	51	48	+1	ENE	2	bc	3	bc	52	42	—	
	York ...	30.07	62	E	3	bc	30.13	-0.1	50	49	0	N	1	bc	4	bc	70	36	—	
	Loughborough	30.04	72	ENE	2	bc	30.11	0.0	45	46	+4	NNE	2	bc	4	bc	70	35	—	
GERMANY & HOLLAND.	Ardrossan ...	30.04	64	ENE	1	bc	30.12	+0.2	56	51	+7	2	0	bc	0	bc	71	44	—	
	Malin Head ...	30.04	54	SE	1	bc	30.11	+1.0	56	52	+5	ENE	1	bc	0	bc	71	44	—	
	Mullaghmore ...	30.02	53	W	1	bc	30.15	+2.0	53	51	-2	N	3	o	4	bc	63	51	0.03	
	Belmullet ...	30.01	53	W	2	bc	30.14	+0.6	49	48	-5	NNE	2	f	0	bc	59	48	—	
	Donaghadee ...	30.01	53	W	2	bc	30.14	+0.6	49	48	-5	NNE	2	f	0	bc	59	48	—	
	Liverpool (Bldston)	30.07	53	W	2	bc	30.12	+0.4	50	50	-3	NNW	1	f	1	bc	71	49	—	
	Holyhead ...	30.07	53	NNW	1	bc	30.11	+0.9	51	51	-5	NNW	1	f	1	bc	64	49	—	
	Parsonstown ...	30.05	66	2	0	bc	30.14	+1.4	53	51	-1	2	0	o	4	bc	63	49	—	
	Valencia ...	30.03	53	ENE	2	bc	30.13	+1.7	53	52	+2	SE	1	o	1	bc	63	53	—	
	Roche's Point	30.01	53	SE	4	bc	30.13	+1.5	54	54	+1	2	1	o	3	bc	53	38	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.01	57	NN	1	bc	30.09	+0.7	51	50	-2	N	4	bc	2	bc	59	46	—	
	Scilly ...	30.01	57	SE	2	bc	30.07	+0.9	51	50	-4	NE	3	f	2	bc	61	43	—	
	Prawle Point ...	30.01	54	W	2	bc	30.05	0.0	62	58	+9	E	1	bc	0	bc	62	53	—	
	Jersey (St. Aubin's)	30.03	63	NNW	1	bc	30.05	-0.1	62	56	+5	N	2	bc	2	bc	65	49	—	
	Hurst Castle ...	30.07	57	NNW	3	bc	30.05	0.0	56	53	+4	NNW	1	bc	0	bc	60	47	—	
	Dungeness ...	30.02	56	NNW	1	bc	30.04	+0.3	52	50	-3	2	0	m	0	bc	61	46	—	
	North Foreland	30.01	53	ENE	1	bc	30.03	+0.1	53	51	-1	SE	1	bc	2	bc	53	48	—	
	London ...	30.04	64	SE	1	bc	30.05	+0.1	50	51	+5	E	1	bc	0	bc	74	43	—	
	Oxford ...	30.06	61	NNW	2	bc	30.07	+0.2	52	49	+2	N	1	bc	0	bc	71	43	—	
	Cambridge ...	30.06	66	E	2	bc	30.09	+0.2	51	49	+1	NNW	1	bc	0	bc	75	37	—	
PENINSULA.	Yarmouth ...	30.09	53	E	3	bc	30.01	+0.1	52	49	+2	ENE	2	bc	2	bc	54	47	—	
	Cuxhaven ...	30.32	50	E	3	bc	30.30	-0.2	48	46	-1	2	1	bc	4	bc	58	47	—	
	Berlin ...	30.30	51	NE	2	bc	30.23	-0.7	47	41	-1	W	2	bc	4	bc	57	47	—	
	Wiesbaden ...	30.15	47	N	4	bc	30.13	+0.1	53	44	-1	NE	4	bc	4	bc	70	32	—	
	Munich ...	30.15	47	N	4	bc	30.16	-0.1	40	39	-6	E	6	bc	4	bc	63	32	—	
	The Helder ...	30.15	55	E	1	bc	30.20	-0.1	52	49	+1	ENE	2	bc	1	bc	61	50	—	
	Brussels (9 a.m.)	30.01	53	NNW	1	bc	30.10	+0.4	62	48	+4	SE	4	bc	4	bc	71	43	—	
	Cape Gris Nez	30.02	61	NN	2	bc	30.02	+0.1	57	51	-7	SE	1	m	1	bc	64	48	—	
	Paris ...	30.02	61	NN	2	bc	30.04	+0.1	57	50	-4	NNW	2	bc	2	bc	75	48	—	
	Brest ...	30.01	61	W	1	bc	30.02	-0.4	53	51	-2	ENE	2	bc	2	bc	66	48	—	
FRANCE AND BELGIUM.	Lorient ...	30.01	61	W	3	bc	30.02	-0.4	53	51	-2	2	4	bc	2	bc	64	48	—	
	Rocheport ...	30.01	62	NN	4	bc	30.07	-0.1	56	52	+2	E	4	bc	4	bc	75	52	—	
	Belfort ...	30.01	70	NN	3	bc	30.00	0.0	58	53	-3	2	1	bc	4	bc	71	45	—	
	Lyons ...	30.01	58	NNW	1	bc	30.02	0.0	58	53	-3	2	1	bc	4	bc	71	45	—	
	Nice ...	30.02	57	NN	1	bc	30.02	0.0	58	53	-3	2	1	bc	4	bc	71	45	—	
	Perpignan ...	30.02	57	NN	1	bc	30.02	0.0	58	53	-3	2	1	bc	4	bc	71	45	—	
	Biarritz ...	30.02	57	NN	1	bc	30.02	0.0	58	53	-3	2	1	bc	4	bc	71	45	—	
	Corunna ...	30.01	60	W	4	bc	30.01	-0.5	53	54	-5	2	4	bc	4	bc	68	54	0.09	
	Lisbon ...	30.01	60	W	4	bc	30.01	-0.5	53	54	-5	2	4	bc	4	bc	68	54	0.09	
	Lisbon ...	30.01	60	W	4	bc	30.01	-0.5	53	54	-5	2	4	bc	4	bc	68	54	0.09	

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, 24th April, 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.

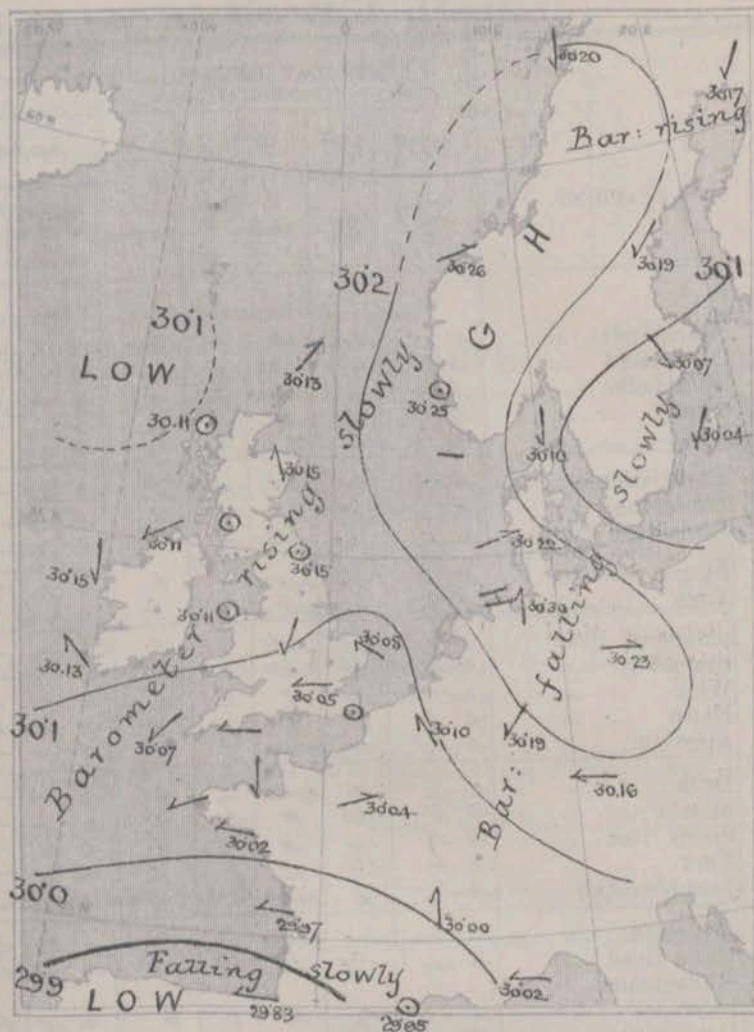
SEA DISTURBANCE—Where considerable, is shown thus—

■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	188.
Bomburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.867
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.864
Rosko's Point	29.851
Pembroke	29.853
Seilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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

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

WEATHER—is shown by letters of the Beaufort Scale.

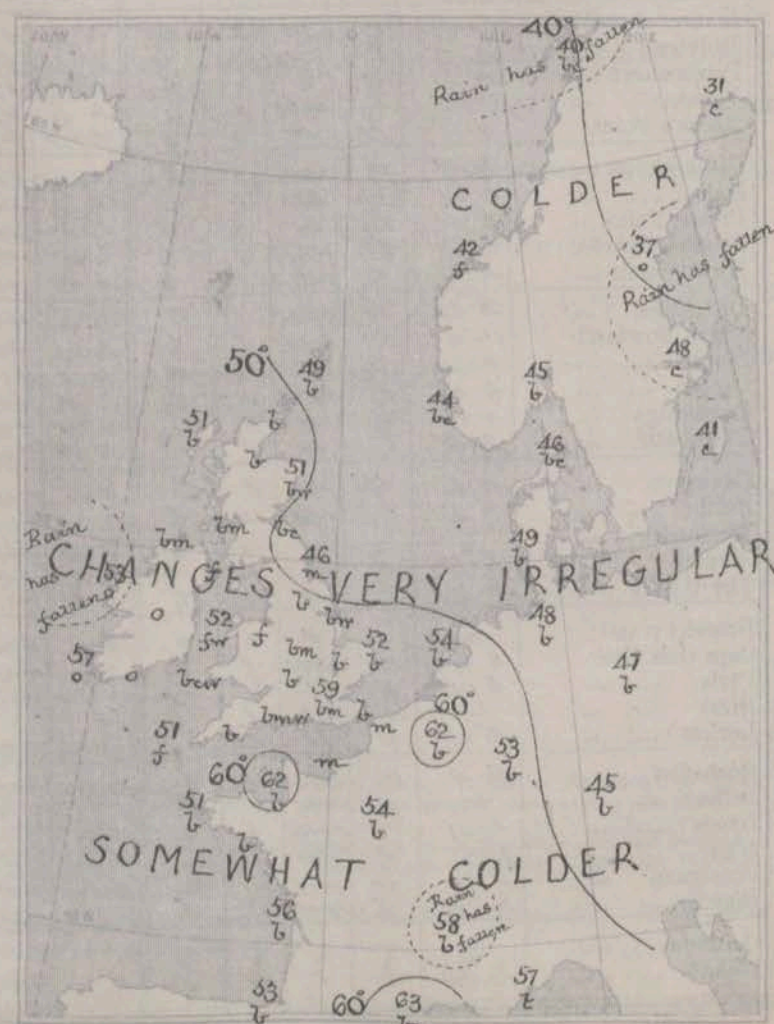
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Bomburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.8	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	35.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.6	43.3	1.45
York	53.5	37.7	43.8	41.6	1.76
Loughborough	55.1	38.1	44.4	43.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.0	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.6	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.0	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	2.83
Rosko's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.4	1.84
Seilly	52.1	44.7	48.0	46.0	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	46.9	2.08
Hurst Castle	52.1	41.0	45.6	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	35.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.59
Yarmouth	49.1	39.9	44.7	43.0	1.70

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 Norway, the North Sea, and the greater part of the British Islands — as well as the adjacent parts of the Atlantic.
 Lowest, 29.9 in to 29.7 in: over the Spanish Peninsula, and below 30.1 in: over the Baltic.
 Gradients moderate in the south, slight elsewhere. Barometer rising in the extreme west, falling in the extreme east and south.

TEMPERATURE

Highest, 63° at Perpignan, 62° at Jersey and Paula Point, and above 50° over the western and southern parts of our Islands generally.
 Lowest, 31° at Hafnaranda, 37° at Hernösand, 41° at Thibz, 42° at Christiansund, 44° at Lath.
 The maxima in the shade, recorded yesterday, were 70° at Abing, York, and Wimbledun, 71° at Anderson, Holyhead and Oxford, 72° at Lüne, 74° in London, 78° at Loughborough, 79° at Cambridge, 82° at Perpignan.

WIND

N³ over Sweden, very light and variable over Scotland, light E to N³ over England and Ireland.
 Moderate E over the Bay of Biscay. Very variable over France.

WEATHER

Fine and dry almost everywhere, but foggy or hazy in several localities. Thunder is reported at Nice, however, rain at Lisbon, and a little rain has fallen at Wilmullet and several of the Scandinavian stations.
 Bright Aurora was seen at Wick last night.

SEA

Smooth very generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Norway and the eastern side of the North Sea is apparently dispersing, but a new one seems to be advancing over our Islands from the Atlantic. Fine weather is still probable.

FORECASTS

For the 24 hours ending at NOON on 25th APRIL 1893.

DISTRICTS.

FORECASTS.

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

Variable and N³ or NW³ airs;
 fine, hazy at times.
 Varying NE³ breezes, light, fine,
 hazy at times.

DISTRICTS.

FORECASTS.

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

Same as No 0 to 2
 NE³ breezes, moderate, fine.
 Varying N³ breezes, light, fine.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudeanaes ...	30.34	45	42	SE	4	Cf	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.03	66	60	2	0	C	2	Jersey ...	30.09	63	59	WNW	2	C	2
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.03	59	52	E	2	m	1
Ardrossan ...	30.03	59	53	SE	2	C	1	North Foreland ...	30.04	58	52	E	1	C	3
Malin Head ...								London ...							
Mullaghmore ...								Yarmouth ...							
Behmullet ...	30.00	62	59	SE	2	C		Rochefort ...	30.06	69	63	WNW	3	C	
Holyhead ...	30.07	58	52	NW	1	C	1								

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

Weather fine and bright over the greater part of our islands and the Continent, but foggy on several parts of our southwest coasts and dull at some of the Irish stations, with rain at Parsonstown. Thunderstorm reported at Berris. Bull in Poland and the south of Russia, with rain at Carcon and snow at Nicolaiiff. A little rain falling during day in Sweden, as well as at Behmullet and Lyons, and a larger quantity at Lisbon, but weather remaining very dry over western Europe generally.

Temperature changed rather irregularly, but fallen a little in most places. Morning readings, highest 70° at Barcelona, 68° at Perpignan, Algiers and La Calle and 64° at Oran; above 60° at most of the Mediterranean stations and above 55° on some parts of our own western coast. Lowest 28° at Archangel, 24° at St. Petersburg, 27° at Moscow and 28° at Uleaborg and Kiev; below 40° over Russia generally. Rising during day to 70° or more in many parts of Great Britain and France and reaching 79° at Cambridge, 81° at Bedford and 82° at Perpignan.

Wind light or moderate from the NE in Germany and from the E. or SE. over Denmark, the North Sea and the greater part of the United Kingdom. SW or W. in the north of Scandinavia, moderate to strong from the N. or NW. over Russia & Austria. Variable in France and Italy, NE in Spain, SE or S. in Algeria. Subsequently becoming rather variable in our own western coast, no important change occurring elsewhere.

Barometer highest 30.3 in. and upwards over Denmark and the south of Scandinavia, 30.1 and upwards in a large anticyclone covering the greater part of northern and central Europe, with the North Sea, Scotland and the north of England. Lowest 29.6 in. and less in a depression over the south of Russia; 29.9 in. and less (apparently) in a shallow system lying off the southwest of Ireland. No important change occurring over western Europe during day.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 16th TO THE 22nd APRIL 1893.

During this week there has been some relaxation of the drought which has prevailed over nearly the whole of this country for many weeks and over Ireland and Scotland for a less extended period.

On Sunday (16th inst.) rain was falling in Ireland and Wales, with a freshening S^W breeze, and in the course of the night the fall spread eastwards over England, but was very slight in most places. On Monday and Tuesday there were further falls in the western and northern parts of the Kingdom, but the southern and eastern districts were dry, and temperatures began to rise day by day over England until on Thursday the maxima recorded over our island countries ranged between 50° and 54°; this was followed by slight thunder showers over the Metropolitan area, but no general rain. The English stations remained very dry till Saturday night; a sharp thunderstorm then occurred over South Devonshire, the Channel Islands and north of France; and 0.70 in. of rain fell at Prawle Point, 0.33 in. at Jersey. There were, however, no indications of any general break up of the weather.

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 25th April.*

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. Dirac.		Force (0 to 12).	Weather.	Barometer. Reading at 32° F. and Sea Level.		Shade Temp. Dry Bulb.		Wind. Dirac.		Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	SHADE TEMP. Max. Min.		Amount of Rainfall.
	Ina.	°					Ina.	°	°	°									Ina.
SCANDINAVIA.	Haparanda ...	30.17	30	2	0	bc	30.15	-02	32	31	+1	E	4	0	*	bc	35	16	—
	Hernösand ...	30.13	32	2	0	bc	30.11	-03	33	33	+1	S	2	0	*	bc	33	32	—
	Stockholm ...	30.18	36	2	0	bc	30.13	+06	39	33	-5	NW	2	bc	*	bc	32	32	—
	Visby ...	30.13	36	NNE	6	bc	30.12	+03	36	33	-5	N	4	bc	*	bc	45	34	—
	Bodö ...	30.17	37	2	0	0	30.18	-22	39	37	-1	E	2	0	1	0	47	34	—
	Christiansund ...	30.13	42	ESE	1	f	30.13	-18	45	44	+3	WNW	6	7	4	f	45	39	—
	Skudesnaes ...	30.16	47	NW	5	f	30.12	-13	50	48	+6	NW	2	bc	2	f	5	41	—
	Christiana Fjord (Fjord)	30.12	52	NW	2	bc	30.08	-06	47	46	+2	S	2	bc	1	bc	39	40	—
	Skagen (The Scaw)	30.12	46	2	0	bc	30.09	-01	46	41	0	WNW	1	bc	0	bc	64	45	—
	Fanø ...	30.10	46	NW	3	bc	30.10	-12	45	44	-4	E	1	bc	*	bc	63	41	—
ISLANDS.	Sumburgh Head	30.12	49	SW	1	bc	30.14	+01	47	47	-2	2	0	0	1	bc	52	42	—
	Stornoway ...	30.13	54	E	2	bc	30.13	+03	52	51	+1	2	0	0	2	bc	61	40	—
	Wick ...	30.15	52	NW	2	bc	30.11	+05	54	51	+3	NW	2	bc	0	bc	51	42	—
	Nairn ...	30.10	54	E	1	bc	30.17	+07	49	48	-5	2	0	cm	0	bc	70	39	—
	Aberdeen ...	30.11	47	ENE	2	bc	30.13	+03	53	47	-1	NW	2	bc	0	bc	62	39	—
	Leith ...	30.09	46	ENE	2	bc	30.15	00	47	47	+3	NNE	1	cm	*	bc	59	39	—
	Shields ...	30.11	52	NE	1	bc	30.14	-01	47	46	+1	NW	2	cm	2	bc	53	38	—
	Spurn Head ...	30.08	50	E	1	bc	30.10	00	51	48	0	ENE	1	bc	2	bc	53	42	—
	York ...	30.09	69	E	1	bc	30.12	-01	49	46	-1	N	1	bc	*	bc	78	34	—
	Loughborough	30.02	67	NE	1	bc	30.10	-01	50	46	+1	NW	1	bc	*	bc	76	34	—
BRITISH ISLANDS.	Ardrossan ...	30.06	61	NW	1	cm	30.12	00	54	50	-2	2	0	cm	0	bc	64	46	—
	Malin Head ...	30.14	51	N	1	bc	30.13	+03	49	48	-7	N	2	0	1	bc	59	48	—
	Mullaghmore ...	30.16	51	NNE	2	0	30.22	+07	50	49	-3	NNE	3	0	*	0	53	48	—
	Belmullet ...	30.08	56	N	2	m	30.14	00	52	50	+2	N	5	m	3	m	62	47	—
	Donaghadee ...	30.08	56	N	2	m	30.14	00	52	50	+2	N	5	m	3	m	62	47	—
	Liverpool (Bidston)	30.07	53	NW	1	0	30.08	-04	53	52	+13	SE	1	bc	0	0	63	49	—
	Holyhead ...	30.07	51	NW	1	0	30.08	-03	52	50	0	N	2	cm	1	of fog	58	47	0.05
	Parsonstown ...	30.08	65	2	0	bc	30.14	00	51	49	-2	NE	1	bc	*	cm	60	44	—
	Valencia ...	30.11	60	NNE	3	cm	30.11	-02	55	53	0	NE	4	cm	4	cm	62	48	—
	Roche's Point	30.08	57	ENE	1	bc	30.08	-05	56	53	+2	N	4	cm	3	cm	61	38	—
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	30.02	54	NNE	4	bc	30.02	-07	58	54	+7	ENE	2	cm	2	bc	59	51	—
	Scilly ...	30.01	53	NNE	5	bc	30.06	-11	58	51	+2	NNE	4	m	2	0, c	56	50	—
	Prawle Point ...	30.08	63	NW	1	bc	30.07	-08	62	56	0	NNE	5	bc	4	bc	65	54	—
	Jersey (St. Aubin's)	30.07	65	NNE	2	cm	30.04	-11	64	54	+2	NE	2	bc	2	bc	63	53	—
	Hurst Castle ...	30.00	61	SW	2	cm	30.00	-05	59	53	+1	NE	1	cm	0	bc	69	48	—
	Dungeness ...	30.08	56	E	2	bc	30.00	-04	56	52	+4	ENE	2	bc	2	m, bc	63	50	—
	North Foreland	30.08	53	E	2	bc	30.02	-01	54	52	+1	E	1	bc	2	bc	58	48	—
	London ...	30.02	64	E	2	bc	30.05	00	56	49	-3	N	1	cm	*	bc	70	46	—
	Oxford ...	30.02	64	ENE	2	bc	30.06	-01	54	49	+2	NE	2	bc	*	bc	71	44	—
	Cambridge ...	30.03	64	E	1	bc	30.08	-01	49	46	-2	NW	1	bc	*	bc	82	39	—
FRANCE AND BELGIUM.	Yarmouth ...	30.08	53	E	2	bc	30.07	-01	51	49	-1	ENE	2	bc	2	bc	53	46	—
	Cuxhaven ...	30.22	50	N	2	bc	30.14	-16	51	49	+3	NE	2	bc	*	bc	65	48	—
	Berlin ...	30.07	59	NW	3	bc	30.09	-14	49	45	+2	ESE	2	bc	*	bc	66	45	—
	Wiesbaden ...	30.10	51	2	0	bc	30.09	-10	52	46	-1	2	0	bc	*	bc	64	46	—
	Munich ...	30.13	51	2	0	bc	30.10	-06	51	44	+6	W	2	bc	*	bc	63	36	—
	The Helder ...	30.13	54	NNE	2	bc	30.17	-03	53	48	-1	E	1	bc	1	bc	59	30	—
	Brussels (a.m.)	30.09	61	ENE	2	bc	30.05	-05	65	50	+3	ESE	1	bc	0	bc	75	49	—
	Cape Gris Nez	30.09	61	ENE	2	bc	30.05	-03	56	53	+5	E	1	bc	0	bc	64	50	—
	Paris ...	30.09	72	ENE	2	bc	30.02	-02	54	49	0	NNE	2	bc	*	bc	71	44	—
	Brest ...	30.09	68	NE	3	bc	30.02	0	56	51	+5	ENE	2	bc	3	bc	75	50	—
PENINSULA.	Lorient ...	30.09	74	ESE	1	bc	30.08	-14	57	52	+4	ENE	4	bc	3	bc	77	52	—
	Rocheport ...	30.03	57	ENE	2	bc	30.08	-05	57	52	+1	ENE	2	bc	*	bc	88	53	—
	Belfort ...	30.04	65	SW	4	bc	30.08	0	59	50	0	SW	2	bc	*	bc	81	45	—
	Lyons ...	30.01	70	ENE	1	bc	30.02	+02	58	53	0	ENE	1	bc	*	bc	76	51	—
	Nice ...	30.03	61	2	0	bc	30.03	+01	60	52	+3	2	0	bc	0	bc	70	54	—
	Perpignan ...	30.04	61	ENE	2	bc	30.00	+05	61	57	-2	E	2	0	*	bc	75	54	—
	Biarritz ...	30.06	71	E	2	bc	30.06	+03	66	55	+13	SW	5	0	2	bc	84	50	—
	Corunna ...	30.08	56	2	4	bc	30.07	+01	56	53	+1	E	5	0	*	bc	59	32	1.69
	Lisbon ...	30.08	56	2	4	bc	30.07	+01	56	53	+1	E	5	0	*	bc	59	32	1.69

For Explanation of Columns, see bottom of last page.

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

for 8 a.m. on Tuesday, 25th April, 1893.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

••••• forces above 10; ••••• = forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

SEA DISTURBANCE - Where considerable, is shown thus

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

A hand-drawn weather map of Europe and the North Atlantic, showing isobars, pressure systems, and handwritten annotations. The map includes labels for 'HIGH', 'LOW', 'Bar: rising slowly', 'Bar: falling', and 'Bar: rising slightly'. Isobars are drawn at intervals of 1 mb, with values ranging from 298 to 302. Arrows indicate wind direction and speed. The map is dated 1968.

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

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 April.)

10/19

40°

50°

60°

LITTLE WARMER

COLDER

SOMEWHAT WARMER

PACIFIC

Thunder last night

bm

c

58

57

56

55

54

53

52

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-100

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. to 30.2 ins. in a large anticyclone covering the North Sea and all the more northern parts of our Islands, as well as in another system lying over the Gulf of Bothnia and Finland.

Lowest, 29.8 ins. and less, in a shallow depression lying over the Spanish Peninsula.

Gradients slight. Barometer rising slightly over the greater part of the United Kingdom and France, but falling in Scandinavia, Denmark, and Germany, as well as in the extreme south of our Islands.

TEMPERATURE

Highest, 66° at Biarritz, 65° at Brussels, 64° at Jersey, 62° at Pauillac Point, 61° at Boulogne, 60° at Nice, and 58° at Pembroke and Lyons.

Lowest, 32° at Haparanda, 38° at Helsingfors, 33° at Stockholm, 45° at Tams and 46° at Skagen.

During yesterday the thermometer over the inland parts of England rose to 75° and upwards, the highest reading of all being 82° at Cambridge.

WIND

Moderate from the Nth or NEth in the west of our Islands, and light from the Eth or NEth on our east and southeast coasts.

Variable in Scandinavia, Denmark, and Germany; light to fresh from the Sth in the southwest of France.

WEATHER

Fine over the greater part of Western Europe, but dull in the extreme north and northwest of our Islands, as well as in the south of France and the northern parts of Scandinavia, with rain at Christiansund.

A thunderstorm, with slight rain, occurred last night at Holyhead, and thunder was heard at Wick. Heavy rain (1.7 ins.) has fallen at Dublin.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Spain appears to be spreading slowly northwards, and may possibly occasion unsettled stormy weather in the south of our Islands during the ensuing twenty-four hours.

FORECASTS

For the 24 hours ending at NOON on 26th APRIL 1893.

DISTRICTS.

FORECASTS.

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

Light breezes, chiefly Nth; fair generally.

NEth winds, light; fair generally.

Eth winds, light; fine at first, doubtful later, possibly thundershowers.

DISTRICTS.

FORECASTS.

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

Same as N^o 2.

NEth winds, moderate; fair to dull and some rain, thunder locally.

Nth and NEth winds, moderate, 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 ...	30.19	56	47	NW	5	b	2	Valencia ...	30.13	61	55	NE	5	cm	2
Sumburgh Head ...	30.15	52	49	NW	1	b	2	Scilly ...	30.05	54	52	NNE	5	of	2
Stornoway ...	30.12	61	56	SE	2	b	2	Jersey ...	30.02	66	58	SE	1	b	0
Aberdeen ...	30.10	58	55	SE	2	b	2	Hurst Castle ...	30.01	61	61	SEW	1	br	0
Shields ...	30.12	54	50	NE	2	b	2	Dungeness ...	30.02	62	55	E	2	m	1
Ardrossan ...	30.08	63	57	2	0	b	0	North Foreland ...	30.02	58	53	E	2	b	2
Malin Head ...	30.10	56	52	N	1	b	1	London ...	30.00	74	60	E	2	b	2
Mullaghmore ...	30.17	52	51	N	0	0	1	Yarmouth ...	30.07	53	51	ESE	2	b	2
Belmullet ...	30.17	52	51	N	0	0	1	Rochefort ...	30.07	56	65	ESE	2	b	2
Holyhead ...	30.10	52	50	N	1	0	1								

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

Weather fine and bright over the greater part of our Islands and the Continent, but foggy at several of our own western and northwestern stations. Dull over the southern parts of the Spanish Peninsula, with rain at Lisbon, snow falling in the south of Russia. Remaining fair and dry in most parts of Western Europe throughout day, but heavy rain falling at Lisbon, and a thunderstorm with slight rain occurring at Holyhead. Thunder heard at Wick.

Temperature changed irregularly. Morning readings highest 70° at Barcelona, 69° at Genoa and Algiers, and 66° at Tunis. (Italian reports not to hand), above 60° at some of the English Channel stations. Lowest 24° at Archangel, 23° at Kuopio, 31° at Haparanda, and Moscow, and 32° at all stations in the south of Russia. Rising during day to 70° at Paris, and to 75° and upwards in many parts of England and France, the highest readings of all being 84° at Biarritz and 82° at Cambridge. Frost occurred over Central England at night.

Wind light or moderate from the End over France, the Netherlands, and Western Germany; rather variable in our Islands, but chiefly N^{or} NE^{ly} over England and Ireland, and S^{ly} in Scotland. N^{or} NW^{ly} over Sweden, Denmark, Germany, and the greater part of Russia. S^{ly} or SE^{ly} in Spain and strong in force at Genoa; light and variable in Algeria. No important change occurring over Western Europe during day.

Barometer highest 30.2 ins. and upwards over Norway, Germany, and the eastern parts of the North Sea; 30.1 ins. and upwards, in an anticyclone covering a considerable portion of northern and central Europe. Lowest 29.7 ins. and less, in a depression lying off the Portuguese coast and also in another disturbance over the south of Russia. Former depression subsequently advancing eastwards, and barometer falling rather decidedly 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.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 26th April. 1893

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.		WIND.		SHADE TEMP.		WIND.		SHADE TEMP.		WIND.	
	Reading at 29° F. and Sea Level.	Dry Bulb.	Wet Bulb.	Force (0 to 12).	Direction.	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Noon.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direction.	Force (0 to 12).	Direction.	Force (0 to 12).	Direction.	Force (0 to 12).	Direction.	Force (0 to 12).	Direction.
	Inch.	°	°				Inch.		°	°										
SCANDINAVIA.	Haparanda ...	29.00	26	2	0	b	29.07	-10	23	29	-2	2	0	b	*	b	27	21	—	—
	Hernösand ...	29.01	24	2	0	7	29.01	-20	23	23	-5	SE	2	*	*	7	20	20	0.16	—
	Stockholm ...	29.03	44	2	0	0	29.06	-3	46	44	+7	NNW	6	0	*	0	26	20	—	—
	Wisby ...	29.03	40	N	4	0	29.06	-36	40	39	+4	NNW	4	0	*	0	41	20	0.04	—
	Bodö ...	29.05	38	N	6	7	29.05	+07	23	31	-6	N	4	0	*	7	43	20	0.48	—
	Christiansund...	29.01	43	NNW	3	f	29.10	+22	41	37	-4	NE	3	0	4	f	45	27	0.20	—
	Skudesnaes ...	29.04	45	NNW	3	f	29.22	-10	44	41	-7	NNW	6	0	3	f	50	23	—	—
	Christiania Fjord (Fjord)	29.01	46	SWW	1	m	29.01	-17	44	46	+1	N	3	bc	2	m	50	45	—	—
	Skagen (The Scaw)	29.23	53	NNW	1	b	29.08	-21	48	46	+2	NNE	1	c	0	b	61	43	—	—
	Fanö ...	29.07	48	N	2	b	29.08	-15	44	43	-1	NNW	4	m	*	b	57	41	—	—
BRITISH ISLANDS.	Sumburgh Head	29.12	44	NNW	1	0	29.07	-07	45	43	-2	2	0	c	1	0	51	41	—	—
	Stornoway ...	29.16	52	2	0	c	29.10	-20	57	55	-1	2	0	c	3	0	53	45	—	—
	Wick ...	29.15	50	NNW	1	0	29.08	-10	50	48	-4	N	1	0	0	0	60	46	—	—
	Nairn ...	29.12	56	E	1	b	29.07	-10	49	47	0	E	1	om	1	b	62	47	—	—
	Aberdeen ...	29.17	47	ENE	2	bc	29.09	-09	51	49	+1	SWW	1	om	2	bc	56	45	—	—
	Leith ...	29.15	46	E	2	bc	29.12	-03	46	45	-1	ENE	1	0	*	bc	54	42	—	—
	Shields ...	29.14	45	NNE	3	f	29.13	-01	45	44	-2	NNE	1	f	2	omf	53	40	—	—
	Spurn Head ...	29.08	47	ENE	2	bc	29.10	00	45	44	-6	N	3	ow	2	bc	53	41	—	—
	York ...	29.09	61	E	1	bc	29.13	+01	44	42	-5	NE	1	c	*	bc	50	40	—	—
	Loughborough	29.03	67	NE	3	b	29.12	+22	41	40	-9	ENE	2	cmw	*	b	78	36	—	—
GERMANY & HOLLAND.	Ardrossan ...	29.09	61	NE	2	cm	29.10	-02	49	47	-5	ENE	1	bm	1	c, bm	67	42	—	—
	Malin Head ...	29.15	53	NNW	3	b	29.15	-04	48	47	-1	N	3	0	1	b	54	46	—	—
	Mullaghmore ...	29.17	52	NE	2	b	29.19	-03	53	49	+3	NNE	3	c	*	0, b	54	48	—	—
	Belmullet ...	29.11	54	N	3	m	29.13	-01	47	46	-5	N	6	f	4	m	58	43	—	—
	Donaghadee ...	29.11	54	N	3	m	29.13	-01	47	46	-5	N	6	f	4	m	58	43	—	—
	Liverpool (Bldston)	29.04	56	NNW	1	b	29.06	-02	52	50	-11	SE	1	b	1	b	72	46	—	—
	Holyhead ...	29.07	57	NNW	1	bm	29.06	-02	52	49	0	NNE	1	bmw	1	bm	75	46	—	—
	Parsonstown ...	29.09	65	NE	1	b	29.14	00	46	45	-5	N	1	m	*	b	61	41	—	—
	Valencia ...	29.10	63	N	3	bm	29.12	+01	57	55	0	NE	1	bm	1	bm	66	46	—	—
	Roche's Point	29.06	60	N	1	b	29.07	+01	55	52	-1	NNW	3	b	3	b	72	51	—	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.00	61	NNE	3	b	29.04	+22	57	54	-1	ENE	1	bm	1	b	68	49	—	—
	Scilly ...	29.07	58	NNE	3	b	29.08	-01	58	54	+5	NE	3	bm	1	cm b	62	51	—	—
	Prawle Point ...	29.07	62	NE	3	bc	29.08	00	62	57	0	NE	4	bm	3	bm	67	54	—	—
	Jersey (St. Aubin's)	29.07	61	NE	1	bm	29.01	-03	62	55	-2	NE	4	bm	3	bm	74	58	—	—
	Hurst Castle ...	29.08	72	ENE	2	bm	29.00	00	60	58	+3	ENE	1	bm	1	b, bm	74	48	—	—
	Dungeness ...	29.08	58	ENE	5	bc	29.08	-02	55	53	-1	NE	4	b	4	b, bc	64	49	—	—
	North Foreland	29.08	53	E	2	b	29.01	-01	52	49	-2	NE	2	b	3	bc, b	59	46	—	—
	London ...	29.01	65	E	3	b	29.05	00	56	46	0	E	2	b	*	b	76	48	—	—
	Oxford ...	29.02	64	E	1	b	29.06	00	53	49	-1	NE	1	b	*	b	77	42	—	—
	Cambridge ...	29.03	70	ENE	2	b	29.08	00	52	46	+8	NNW	1	b	*	b	72	36	—	—
PENINSULA.	Yarmouth ...	29.07	58	E	2	b	29.06	-01	57	48	0	N	3	b	3	b	53	45	—	—
	Cuxhaven ...	29.17	51	NNW	4	b	29.04	-10	53	51	+2	N	2	b	*	b	56	57	—	—
	Berlin ...	29.12	50	N	2	b	29.02	-07	49	44	0	N	1	b	*	b	59	57	—	—
	Wiesbaden ...	29.05	51	N	2	b	29.09	-10	56	51	+4	E	2	b	*	b	53	43	—	—
	Munich ...	29.05	51	N	2	b	29.04	-06	53	47	+2	N	1	b	*	b	68	39	—	—
	The Helder ...	29.10	51	NE	2	b	29.06	-11	51	47	-2	NNE	1	b	1	b	59	46	—	—
	Brussels (9 a.m.)	29.08	58	ENE	3	bc	29.08	-06	54	50	-11	NE	2	b	*	c	75	47	—	—
	Cape Gris Nez	29.07	55	ENE	3	bc	29.07	-02	57	53	-5	ENE	3	b	3	c	68	44	—	—
	Paris ...	29.01	74	E	2	b	29.03	-09	57	53	+3	NNE	1	b	*	b	81	47	—	—
	Brest ...	29.04	72	NE	1	b	29.04	-06	54	50	-2	NNE	3	c	2	b	82	45	—	—
GERMANY & HOLLAND.	Lorient ...	29.08	64	2	0	c	29.02	-06	59	52	+2	E	4	c	3	c	73	57	—	—
	Rochefort ...	29.08	67	NNW	3	c	29.06	-08	60	56	+3	SE	4	0	*	0, c	77	53	—	—
	Belfort ...	29.08	71	NNE	3	b	29.08	-04	59	54	+1	N	1	bc	*	b	79	44	—	—
	Lyons ...	29.01	71	SE	1	b	29.04	+01	59	54	+1	N	1	bc	*	b	78	55	—	—
	Nice ...	29.03	58	NNW	2	bc	29.04	+01	59	54	+1	2	0	bc	2	bc	68	52	—	—
	Perpignan ...	29.05	61	ENE	2	0	29.06	-04	56	53	-2	2	0	0	*	0	69	52	—	—
	Biarritz ...	29.06	62	N	3	0	29.06	-10	57	56	-7	ENE	3	c	3	0, bc	77	53	—	—
	Corunna ...	29.02	57	E	4	*	29.04	-07	57	53	+1	ENE	5	0	*	0, *	61	54	0.35	—
	Lisbon ...	29.02	57	E	4	*	29.04	-07	57	53	+1	ENE	5	0	*	0, *	61	54	0.35	—
	Lisbon ...	29.02	57	E	4	*	29.04	-07	57	53	+1	ENE	5	0	*	0, *	61	54	0.35	—

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, 26th April, 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:

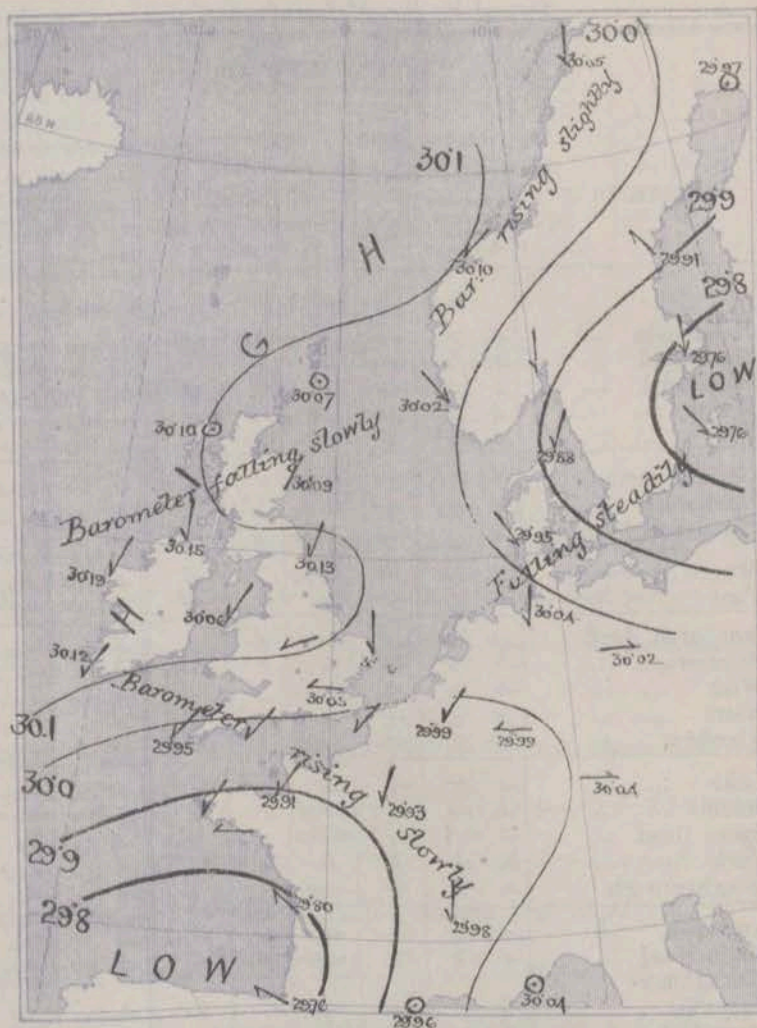
— Rough — High

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years, 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.868
Spurn Head	29.868
York	29.870
Loughborough	29.879
Androssan	29.887
Mullaghmore	29.889
Donaghadee	29.889
Holyhead	29.887
Liverpool	29.887
Parsonstown	29.884
Valencia	29.884
Roche's Point	29.881
Pembroke	29.882
Sally	29.886
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

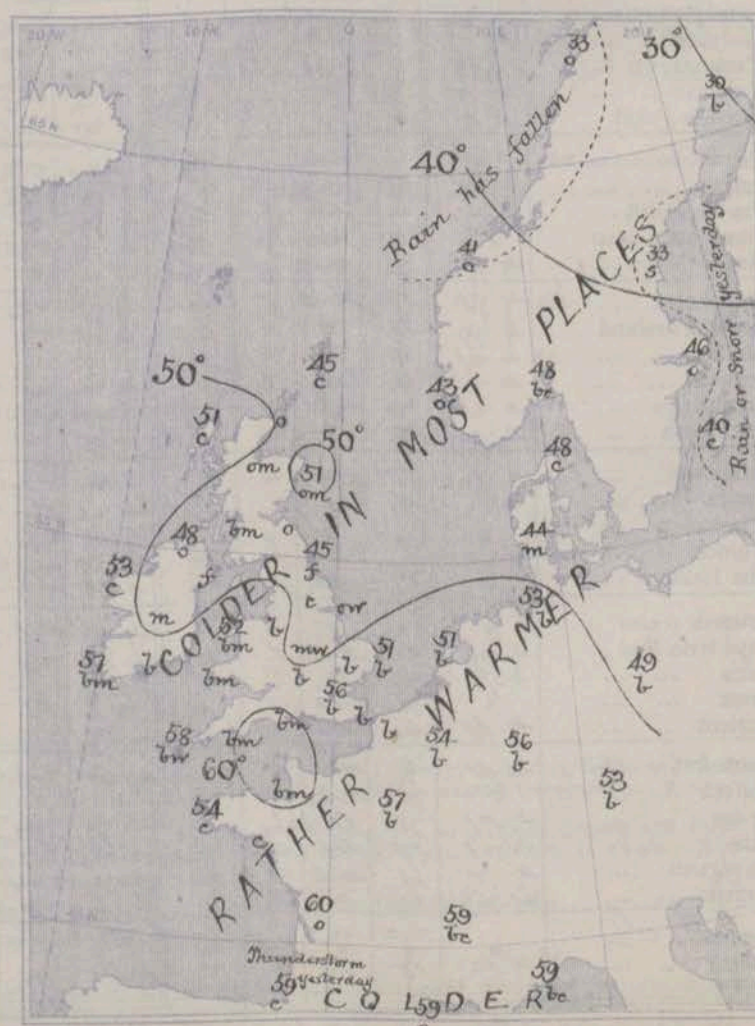
WEATHER is shown by letters of the Beaufort Scale.

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 April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	10° Max.	10° Min.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.1	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	44.7	1.67
Shields	49.0	38.6	43.6	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.2	37.7	43.8	41.6	1.75
Loughborough	65.1	38.1	44.4	42.1	1.78
Androssan	51.6	39.5	44.4	42.1	2.14
Mullaghmore	51.0	42.3	45.3	43.0	2.06
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.45
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.2	42.8	48.2	46.6	3.33
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	46.2	43.4	1.94
Sally	52.1	41.7	48.6	46.6	2.27
Prawle Point	51.0	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.6	46.9	2.08
Hurst Castle	52.1	41.0	46.6	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	40.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.79
Cambridge	55.8	37.8	46.2	43.0	1.89
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: in a large anticyclone of irregular form lying over Ireland, the north of England, and the extreme west of Scotland, and stretching across the northern part of the Atlantic to the west of Norway.
 Lowest, 29.7 in: and less, in a depression lying over Portugal; 29.8 in: and less, in another disturbance lying over the northern part of the Baltic.
 Gradients slight. Barometer rising a little in the southern part of our islands and France and also in the west of Norway, but falling elsewhere.

TEMPERATURE

Highest, 62° at Hawk Point and Jersey, 60° at Thirt Castle and Rochefort, and 59° at Lorient, Biarritz, Lyons, Nice, and Bagnan.
 Lowest, 30° at Haparanda, 33° at Hode and Helsingfors, 40° at Hiet, 41° at Christiansund, and 48° at Skudenes.
 During yesterday the thermometer again exceeded 75° in many parts of England, the highest reading of all being 82° at Cambridge.

WIND

Light to moderate from the N^W or NE^W over Ireland and England; calm or light and variable in Scotland.
 Moderate to strong from the N^W or NW^W in Scandinavia and Denmark; light from the W^W in Germany.
 E^W or SE^W in the west of France; calm in the south of that country.

WEATHER

Fine and bright over the greater part of Ireland, England, the Netherlands, Germany, and the eastern and central parts of France.
 Dull in Scotland and also in Scandinavia, with snow at Helsingfors.
 Cloudy or overcast in the west of France, as well as at Lisbon.
 Rain fell yesterday at several of the Scandinavian stations and also at Lisbon, but in all other parts of our area the weather remained exceedingly dry.
 Thunderstorms occurred at Biarritz, but no rain was measured.

SEA

Light or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any decided change, but the dull weather over Scotland may possibly spread southwards to some of the English districts.

FORECASTS

For the 24 hours ending at NOON on 27th April, 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Light Variable breezes; dull, some rain.	6 SCOTLAND WEST	N ^W and NW ^W winds, light; fine to cloudy and showery.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	N ^W to W ^W winds, light; fair to dull and some rain.	8 ENGLAND S.W.	NE ^W winds, light; fine generally.
3 ENGLAND EAST	NE ^W to N ^W winds, light; fine and warm at first, then cloudy and cooler.	9 IRELAND NORTH	N ^W winds, light or moderate; fair generally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.08	48	45	NW	6	c	2	Valencia ...	30.11	65	60	N	4	bn	4
Sumburgh Head ...	30.13	48	49	NW	2	c	2	Scilly ...	30.90	61	57	N	2	c	1
Stornoway ...	30.15	52	51	2	0	c	2	Jersey ...	30.00	74	62	ENE	2	bn	2
Aberdeen ...	30.17	51	49	ENE	2	bc	2	Hurst Castle ...	30.03	74	60	SE	2	b	1
Shields ...	30.14	49	47	NNE	2	sm	2	Dungeness ...	30.95	62	56	ENE	4	b	2
Ardrossan ...	30.05	49	50	NE	3	cm	1	North Foreland ...	30.02	57	53	E	1	bc	2
Malin Head ...	30.18	52	51	NNW	2	b	1	London ...	30.02	70	57	E	2	b	*
Mullaghmore ...	30.05	50	51	NE	4	0	*	Yarmouth ...	30.01	55	51	E	2	b	2
Belmullet ...	30.21	50	51	NE	4	0	*	Rochefort ...	30.87	71	65	NW	3	0	*
Holyhead ...	30.08	50	51	NNW	2	sm	1								

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

Weather fine over the greater part of Western and Southern Europe, but dull in the extreme north and northwest of our Islands as well as in Spain and the south of France. Dull also in the north of Scandinavia, and at most of the Russian stations, with rain at Christiansund and with snow at Moscow and Kiev. Rain falling during day in many parts of Scandinavia and also at Liebow, and a thunderstorm occurring at Biarritz. Weather remaining very dry over Western Europe generally.

Temperatures changed very irregularly. Morning readings highest 68° at Aumale, 67° at Cagliari, Oran, and Tifar, and 66° at Biarritz and Algiers; above 60° at most of the Mediterranean stations, as well as at Liverpool, Pauls Point, and Jersey. Lowest, 24° at Archangel, 26° at St. Petersburg, 30° at Kuopio, 31° at Kango, and 32° at Khabarovsk; below 40° over Sweden and Russia generally. Rising during day to 75° and upwards in many parts of England and France, and reaching 81° at Paris, 82° at Cambridge and Brest, not exceeding 55° on the east coast of England.

Wind light to moderate from the N^W or NE^W over the greater part of our Islands, but E^W in the southeast of England. Variable in Scandinavia, Denmark, Germany and Italy; N^W in the western parts of Russia, but SW^W or W^W in the south of that country, with a gale at Nicolaieff. E^W or SE^W in Spain and Algeria. No important change occurring over Western Europe during day.

Barometer highest 30.1 in. and upwards, in a large anticyclone covering the North Sea, North Germany, and all the more northern parts of the United Kingdom, as well as in smaller areas lying respectively over the Gulf of Bothnia and over the southern parts of Italy. Lowest 29.6 in. and less, in a well-marked depression lying over the south of Russia, 29.7 in. and less, in a shallow disturbance lying off the Portuguese coast. 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.

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 27th APRIL .

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.	Min.							
Ina.	°			Ina.	°	°	°	°					°	Ina.						
SCANDINAVIA.	Haparanda ...	29.58	28	2	0	29.50	+0.2	28	32	+3	NE	2	6	*	6	27	12	—		
	Hernösand ...	29.02	24	2	0	29.07	+0.16	27	28	+4	NE	2	7	*	6	26	20	—		
	Stockholm ...	29.35	24	NE	2	29.37	+0.21	28	28	—	N	2	0	*	6	26	20	—		
	Wisby ...	29.31	28	NNE	6	29.36	+0.20	27	28	—	N	4	6	*	6	28	22	—		
	Bodö ...	29.68	23	NE	2	29.11	+0.06	24	22	+1	ENE	2	6	1	7	26	28	—		
	Christiansund...	29.38	23	ENE	2	29.37	—0.13	28	35	—3	ENE	5	6	3	6	28	26	—		
	Skudesnaes ...	29.37	22	NW	6	29.31	—0.11	22	40	—1	NNW	2	0	2	6	26	23	—		
	Christiania Fjord (Furder)	29.34	27	N	2	29.76	—0.15	28	42	—5	ENE	6	0	2	6	27	28	—		
	Skagen (The Seaw)	29.38	27	NW	1	29.74	—0.14	28	42	—5	SWW	2	0	1	6	28	41	—		
	Fanö ...	29.35	28	NNW	6	29.38	—0.07	28	42	0	NW	6	0	*	6	28	41	—		
BRITISH ISLANDS.	Sumburgh Head	29.54	27	SW	1	29.35	—0.12	28	47	+2	NW	1	6	1	6	27	43	0.07		
	Stornoway ...	29.06	22	NW	4	29.37	—0.12	28	50	0	SW	4	6	4	6	27	40	—		
	Wick ...	29.01	22	NW	1	29.00	—0.01	27	48	+1	NW	1	0	0	6	27	40	0.02		
	Nairn ...	29.01	27	NNW	2	29.38	—0.01	28	48	+1	NNW	2	0	1	6	26	29	—		
	Aberdeen ...	29.03	25	S	1	29.02	—0.07	28	45	+2	NE	1	0	1	6	26	42	0.02		
	Leith ...	29.00	27	N	1	29.02	—0.02	28	49	+7	2	0	m	*	m	26	27	—		
	Shields ...	29.07	28	NE	2	29.05	—0.01	28	44	0	NW	2	0	2	6	27	27	—		
	Spurn Head ...	29.08	26	ENE	2	29.05	—0.05	28	46	+1	SWW	1	0	2	6	27	42	—		
	York ...	29.07	23	E	2	29.05	—0.01	28	44	0	S	1	0	*	6	27	42	—		
	Loughborough	29.03	22	ESE	3	29.05	—0.07	28	44	+5	ESE	1	0	*	6	27	41	—		
GERMANY & HOLLAND.	Ardrossan ...	29.05	24	N	2	29.04	—0.06	28	51	+5	N	1	6	0	6	26	41	—		
	Malin Head ...	29.11	24	NW	2	29.07	—0.01	28	48	+4	N	1	0	0	6	28	47	—		
	Mullaghmore ...	29.16	25	NNW	2	29.14	—0.05	28	50	—2	NNW	2	0	*	6	26	45	—		
	Belmullet ...	29.10	24	N	6	29.06	—0.07	28	47	+2	NNW	5	0	3	6	28	45	—		
	Donaghadee ...	29.05	24	NW	1	29.02	—0.04	28	49	—2	S	1	6	1	6	26	46	—		
	Holyhead ...	29.05	24	N	2	29.04	—0.02	28	48	—3	N	2	6	2	6	26	46	—		
	Parsonstown ...	29.08	23	NW	1	29.11	—0.03	28	42	+2	NE	1	6	*	6	26	47	—		
	Valencia ...	29.10	24	NE	2	29.10	—0.02	28	54	0	ENE	1	6	1	6	26	47	—		
	Roche's Point	29.05	21	ESE	1	29.01	—0.01	28	50	—1	NNE	2	6	2	6	26	48	—		
	FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.33	23	NNE	4	29.00	—0.04	28	50	—5	NNE	2	6	2	6	26	46	—	
Scilly ...		29.38	23	NNE	2	29.38	0.00	28	54	—1	NE	2	6	0	6	26	53	—		
Prawle Point ...		29.36	23	NE	2	29.38	—0.02	28	51	—7	NE	4	6	3	6	26	51	—		
Jersey (St. Aubin's)		29.39	23	ENE	4	29.39	—0.02	28	49	—9	NE	5	6	2	6	26	49	—		
Hurst Castle ...		29.37	23	ESE	1	29.37	—0.02	28	49	—10	ENE	2	6	2	6	26	44	—		
Dungeness ...		29.37	23	ENE	4	29.37	—0.01	28	47	—7	ENE	6	6	5	6	26	48	—		
North Foreland		29.01	24	NE	4	29.00	—0.01	28	46	—5	E	4	6	4	6	26	42	—		
London ...		29.00	26	ESE	2	29.03	—0.02	28	46	—10	ENE	2	6	*	6	26	44	—		
Oxford ...		29.01	25	NE	1	29.02	—0.01	28	48	—8	NE	1	0	*	6	26	40	—		
Cambridge ...		29.02	26	NNE	1	29.02	—0.01	28	48	—4	ENE	1	0	*	6	26	42	—		
PENINSULA.	Yarmouth ...	29.06	27	NE	4	29.04	—0.02	28	46	—3	ENE	2	6	3	6	26	43	—		
	Cuxhaven ...	29.33	24	N	4	29.36	—0.01	28	42	—10	NNW	5	6	*	6	26	43	—		
	Berlin ...	29.34	22	NNW	3	29.31	—0.11	28	42	—5	NNW	3	6	*	6	26	43	—		
	Wiesbaden ...	29.38	21	NE	2	29.38	—0.11	28	32	+4	SE	1	6	*	6	26	48	—		
	Munich ...	29.33	21	NE	2	29.30	—0.14	28	33	+5	S	5	6	*	6	26	52	0.04		
	The Helder ...	29.06	24	NNE	4	29.07	+0.01	28	48	—4	NNE	2	6	2	6	26	43	—		
	Brussels (9 a.m.)	*	*	*	*	29.01	+0.02	28	42	—9	NE	4	6	*	6	26	42	—		
	Cape Gris Nez	29.36	24	ENE	5	29.31	—0.06	28	46	—4	ENE	5	6	4	6	26	43	—		
	Paris ...	29.36	24	NE	2	29.36	—0.07	28	42	—5	NNW	4	6	*	6	26	47	—		
	Brest ...	29.37	24	NE	4	29.37	—0.05	28	42	—2	NE	4	6	3	6	26	46	—		
FRANCE AND BELGIUM.	Lorient ...	29.37	24	NW	2	29.37	—0.05	28	42	—2	NE	5	6	2	6	26	47	—		
	Rochefort ...	29.30	23	NNW	2	29.31	—0.09	28	35	—1	ESE	2	6	*	6	26	53	0.12		
	Belfort ...	29.32	23	N	2	29.32	—0.02	28	46	—5	NE	2	6	*	6	26	44	—		
	Lyons ...	29.32	23	E	1	29.36	—0.22	28	35	+5	S	1	6	*	6	26	53	—		
	Nice ...	29.32	23	SW	2	29.32	—0.15	28	35	+1	E	2	6	*	6	26	53	—		
	Perpignan ...	29.30	23	E	2	29.35	—0.21	28	33	+2	E	1	6	*	6	26	53	—		
	Biarritz ...	29.36	23	N	2	29.31	—0.05	28	35	—3	NNW	5	6	2	6	26	54	0.05		
	Corunna ...	29.35	23	ENE	5	29.35	+0.01	28	38	0	NE	5	6	*	6	26	52	0.05		
	Lisbon ...	29.35	23	ENE	5	29.35	+0.01	28	38	0	NE	5	6	*	6	26	52	0.05		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 27 April 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.

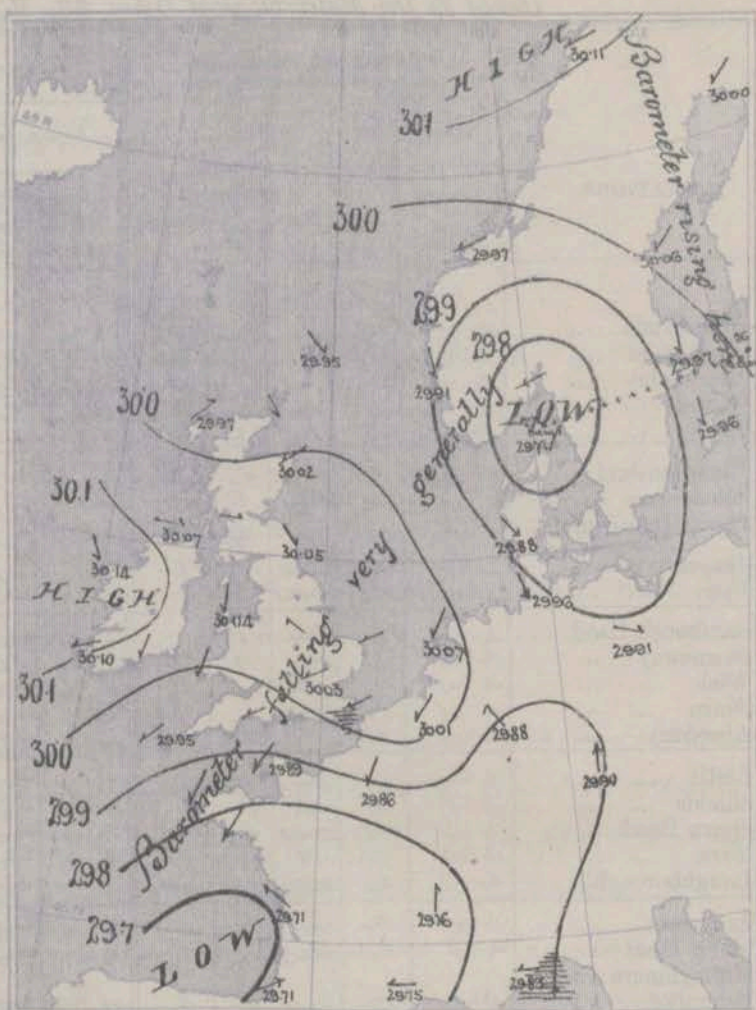
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough, — High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.821
Wick	29.848
Nairn	29.843
Aberdeen	29.838
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.867
Mullaghmore	29.889
Donaghadee	29.869
Holyhead	29.867
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roshe's Point	29.851
Pembroke	29.853
Scilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.890
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	43.9	37.2	43.8	42.3	2.65
Wick	48.9	38.2	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.1	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.46
York	53.5	37.7	43.8	41.6	1.73
Loughborough	53.1	38.1	43.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	46.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	46.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roshe's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Scilly	52.1	44.7	48.8	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.8	2.07
Jersey	54.2	43.6	48.5	45.9	2.08
Hurst Castle	52.1	41.0	46.6	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	50.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.2	46.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards, in the west of Ireland; 30.0 ins. and upwards in an anticyclone covering the greater part of our islands, with the adjacent parts of the North Sea.
 Lowest, 29.7 ins. and less, in a depression lying over Spain and the southern part of the Bay of Biscay; 29.5 ins. and less, in another system lying over the Solway Firth.
 Gradients moderate over the north of France, but slight elsewhere.
 Barometer falling a little in most parts of Western Europe, but rising in Sweden and the north of Norway.

TEMPERATURE

Highest, 64° at Lyons, 61° at Perpignan, 60° at Mirebadon and Nice, 59° at Rochefort, and 57° at Valencia (Ireland), Galley, and Lisbon.
 Lowest, 33° at L'Esperanza, 34° at Brest, 37° at Helsingfors and Nisby, and 38° at Stockholm and Christiansund.
 The maxima registered over England yesterday were lower than those of Tuesday, the highest reading of all being 71° in London and at Oxford.

WIND

E or NE³ over the southern part of the United Kingdom, the Netherlands, and the greater part of France, but W² at Helsingfors; fresh or strong in force at some of the Channel stations.
 W¹ (SW to NW) in Scotland; moderate to strong from the NW² on the eastern shores of the North Sea, but NE¹ over the northern parts of Scandinavia, and N¹ in the south of Sweden.

WEATHER

Fine over the greater part of Western Europe, but dull over the eastern and central parts of England, as well as many of the Scandinavian stations, with rain at Helsingfors. Rain is falling also at Nice and Genoa.
 A little rain fell yesterday in the northeast of Scotland and larger quantities in the west of France and at Lisbon.
 A lunar halo was seen last night at Valencia (Ireland), and bright Aurora at Wick.

SEA

Slight or smooth generally, but rather rough at Dungeness and Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 28th APRIL 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } SW ² and W ¹ winds, light; fair to cloudy and showery. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Light Variable breezes; fair generally. |
| 3 | ENGLAND EAST | Same as No 5. |
| 4 | MIDLAND COUNTIES | NE ² winds, light; fair generally. |
| 5 | ENGLAND SOUTH | E ² and NE ² winds, moderate inland, fresh or strong on coast; fair generally. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | Same as Nos 0 and 1. |
| 7 | ENGLAND N.W. | N ¹ winds, light; fair generally. |
| 8 | ENGLAND S.W. | NE ² winds, freshening; fair generally. |
| 9 | IRELAND NORTH | NW ² winds, moderate; cloudy, local showers. |
| 10 | IRELAND SOUTH | Same as No 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	46	41	NW	6	bc	2	Valencia ...	26.09		64	60	N	2	bm	3
Sumburgh Head ...	30.01	40	40	SE	1	C	1	Scilly ...	29.97		65	56	ENE	2	b	1
Stornoway ...	30.05	53	52	W	4	O	4	Jersey ...	29.97		65	62	NE	5	b	4
Aberdeen ...	30.04	53	49	S	2	C	1	Hurst Castle ...	29.97		67	62	E	2	bm	1
Shields ...	30.10	46	45	ENE	1	om	2	Dungeness ...	29.97		53	58	ENE	5	b	4
Ardrossan ...	30.05	60	55	W	2	C	2	North Foreland ...	30.01		50	48	NE	2	b	2
Malin Head ...	30.62	52	52	NW	2	O	1	London ...	30.01		67	57	E	2	b	*
Mullaghmore ...								Yarmouth ...	30.06		49	46	NNE	2	bc	3
Behmullet ...	30.10	55	53	NW	2	bc	2	Rochefort ...	29.92		70	65	W	1	O	*
Holyhead ...	30.07	49	48	N	2	cm	1									

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

Weather in morning fine and bright over the greater part of southern, western, and central Europe, as well as over Ireland and some part of Lapland. Dull over Norway and the north of our Islands, dull and unsettled over the Baltic and Russia, with snow at several stations. Some rain at several of the Scotch stations later, and locally in several part of Germany, France, and the Spanish Peninsula—amounts considerable at Biarritz and Lisbon. Lightning seen at Biarritz.

Temperatures fallen somewhat decidedly in many part of Austria, France, and the northern countries of England. Morning readings 76° at La Calk, recording 60° on the southern and western sides of the Mediterranean generally, as well as at some of English Channel stations. Below 50°, however, over Central Ireland and the northeast of England; below 40° over Poland, Russia, and northern Europe, and as low as 29° at Kuopio, 30° at Haparanda, Archangel and Peterburg, 31° at Yards, Rango, and Moscow. Rising later to between 68° and 71° over many part of England, to 75° at Wiesbaden, 79° at Brest, 81° at Paris, and 82° at Belfast.

Wind (1) light to fresh from the Nth over Scandinavia, from NW over Denmark, and from WSW over North Germany, light from SSW over the Baltic Provinces and very light and variable (mainly Nth) over Russia, and also over Scotland. Nth over Ireland and the north of England, NE over our southern countries and the Channel, E to SE over the Bay of Biscay and the western part of the Spanish Peninsula. Not much change later, but sea breezes setting in on the west coast of France.

Barometer highest, 30.1 in. and more to 30.0 in. over the United Kingdom the North Sea, and the west of Norway, as well as over Italy, Sicily, southeastern and central Europe. Lowest, 29.7 in. and less, in a depression off the west of Portugal, and in another large system over central Russia; 29.8 in. and less, in a shallow secondary disturbance over the Baltic. Falling slightly over our Islands and their neighbourhood later, and depression over the Baltic beginning to move slowly westwards.

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, 28th April,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.			
SCANDINAVIA.																					
Haparanda ...	30.05	35	N	4	bc	30.09	+0.09	31	30	-2	NE	4	C	#	bc	37	15	-			
Hernösand ...	30.09	35	Z	0	0	30.18	+0.06	35	32	-2	E	2	bc	#	0	43	30	-			
Stockholm ...	29.99	32	Z	0	b	30.05	+0.08	37	31	-1	N	6	0	#	b	45	27	-			
Wisby ...	29.99	32	NNE	4	b	30.01	+0.05	35	33	-2	NNE	4	0	#	b	41	23	-			
Bodö ...	30.05	32	ENE	1	b	30.08	-0.06	33	31	-1	ENE	6	0	#	b	36	27	-			
BRITISH ISLANDS.																					
Christiansund...	29.97	41	NE	3	b	29.93	-0.04	42	39	+4	E	1	b	2	b	45	37	-			
Skudesnaes ...	29.95	41	NW	4	b	30.02	+0.11	43	40	+1	S	4	0	2	b	47	42	-			
Christiania Fjord (Færder)	29.96	41	NNE	4	0	30.08	+0.32	41	39	-2	SSE	4	0	2	0	43	36	0.01			
Skagen (The Scaw)	29.93	40	E	4	0	30.05	+0.34	42	38	-1	ESE	2	b	1	0	50	37	-			
Fanö ...	29.88	43	N	0	c	29.97	+0.09	43	41	-1	E	4	c	#	c	52	43	-			
Sumburgh Head	29.90	49	SW	1	0	29.51	-0.14	44	43	-4	NW	2	c	2	0	53	43	0.12			
Stornoway ...	29.91	51	NW	2	0	29.59	-0.08	44	43	-1	W	4	c	4	c, 0	56	40	0.10			
Wick ...	29.91	52	E	2	0	29.88	-0.12	51	48	-3	NW	2	c	0	0	55	42	0.02			
Nairn ...	29.92	51	W	1	0	29.91	-0.08	49	45	-4	NW	2	b	1	0	62	42	0.04			
Aberdeen ...	29.94	47	S	2	bc	29.93	-0.09	51	46	-5	NW	3	bc	2	bc, r	56	45	0.09			
Leith ...	29.91	54	W	3	c	29.96	-0.07	52	46	-4	NW	3	bc	#	c	61	40	-			
Shields ...	29.97	47	ESE	3	c	29.96	-0.09	52	48	+7	NW	3	c	2	b, c, r	54	42	0.03			
Spurn Head ...	29.98	46	E	3	b	29.96	-0.09	46	45	-1	SW	2	0	3	b, f	50	42	-			
York ...	29.96	61	ESE	3	b	29.97	-0.08	49	47	+5	NW	2	c	#	b	65	43	0.02			
Loughborough	29.94	67	ESE	1	b	29.98	-0.07	51	49	+5	NW	3	cmw	#	b	70	38	-			
GERMANY & HOLLAND.																					
Ardrossan ...	29.97	56	WNW	3	bc	29.99	-0.05	52	48	-2	W	2	b	2	bc	60	43	-			
Malin Head ...	30.02	51	NW	2	0	30.03	-0.04	48	43	-5	NW	4	c	2	0	57	47	-			
Mullaghmore ...																					
Belmullet ...	30.08	52	W	3	0	30.12	-0.02	50	45	-5	W	2	b	#	0	55	44	-			
Donaghadee ...	30.01	52	N	4	c	30.05	-0.01	51	47	+4	NW	5	b	3	c	58	47	-			
FRANCE AND BELGIUM.																					
Liverpool (Bidston)	29.98	43	WNW	1	c	30.02	+0.00	52	49	+2	NW	4	bc	4	c	56	46	-			
Holyhead ...	29.99	50	NW	1	b	30.05	+0.01	49	47	-2	N	2	0	2	b	53	47	-			
Parsonstown ...	30.04	60	NW	1	0	30.12	+0.01	48	46	-2	NE	1	0	2	b, 0, b	62	44	-			
Valencia ...	30.08	58	N	4	bm	30.17	+0.07	52	49	-3	N	4	bm	3	bc, b	61	49	-			
Roche's Point	30.02	57	SEW	2	bc	30.12	+0.04	54	50	-4	N	3	bc	3	bc	60	50	-			
GERMANY & HOLLAND.																					
Pembroke (St. Ann's Hd.)	29.95	54	N	3	b	30.02	+0.02	52	50	-2	N	4	b	2	b	57	47	-			
Scilly ...	29.94	53	NNE	4	bc	30.00	+0.05	53	51	-2	NNE	5	b	2	bc	58	50	-			
Prawle Point ...	29.96	50	ESE	2	b	29.97	+0.02	59	54	+5	NE	1	bm	0	bm	59	48	-			
Jersey (St. Aubin's)	29.94	58	NE	4	b	29.93	+0.04	51	48	-3	NE	4	cm	3	bm	61	48	-			
Hurst Castle ...	29.93	57	E	2	bm	29.97	-0.01	53	49	+4	NNE	2	bm	0	bm	62	41	-			
FRANCE AND BELGIUM.																					
Dungeness ...	29.99	51	ENE	5	b	29.93	-0.04	50	49	+1	NE	4	bc	3	b	53	45	-			
North Foreland	29.93	46	NE	5	c	29.95	-0.05	48	46	-2	NE	3	0	4	bc, c, f	51	44	-			
London ...	29.96	54	E	2	b	29.99	-0.04	49	46	+3	ESE	2	bm	#	b, bc	62	43	-			
Oxford ...	29.96	55	ESE	2	b	29.97	-0.06	49	46	+3	SE	1	bm	#	b	66	39	-			
Cambridge ...	29.95	61	ESE	1	b	30.00	-0.05	44	43	-1	ESE	1	0	#	b	70	35	-			
Yarmouth ...	30.00	48	E	2	bc	29.97	-0.07	48	45	-3	Z	0	b	2	b, bc	50	42	-			
GERMANY & HOLLAND.																					
Cuxhaven ...	29.92	45	NW	4	0	29.92	-0.04	46	45	+1	NNE	3	c	#	0	52	43	-			
Berlin ...	29.86	46	NW	1	b	29.86	-0.05	46	44	-2	W	2	0	#	b	52	43	-			
Wiesbaden ...						29.88	-0.00	44	45	+1	NE	4	b	#	#	70	49	-			
Munich ...	29.75	61	SE	1	c	29.75	-0.15	51	46	-5	NW	2	0	#	c	73	46	-			
The Helder ...	29.96	47	N	4	c	30.01	-0.06	46	42	-4	NNE	3	c	2	c	50	45	-			
FRANCE AND BELGIUM.																					
Brussels (9 a.m.)						29.94	-0.07	45	42	-3	NE	4	0	#	b	57	43	-			
Cape Gris Nez	29.89	45	ENE	5	bc	29.90	-0.01	48	46	+2	ENE	4	c	4	bc	52	45	-			
Paris ...	29.76	63	NE	5	b	29.83	-0.03	47	44	-3	NE	4	b	#	b	71	43	-			
Brest ...		54	NNE	5	b	?	?	50	48	-2	NE	4	c	3	b	70	41	-			
Lorient ...	29.75	64	NE	6	bc	29.85	+0.08	50	48	-2	NE	6	bc	2	bc	68	48	-			
FRANCE AND BELGIUM.																					
Rochefort ...	29.63	66	SE	3	tl	29.70	-0.01	58	51	-7	NE	5	b	#	tl	81	50	0.12			
Belfort ...		71		4	bc	?	?	50	45	-5	NE	4	b	#	bc	81	41	-			
Lyons ...																					
Nice ...	29.77	59	E	4	r	29.63	-0.26	54	52	-2	E	5	r	5	r	68	52	0.53			
Perpignan ...	29.68	61	Z	0	0	29.61	-0.14	58	55	-3	W	2	0	#	0	70	52	1.34			
Biarritz ...	29.67	55	WSW	6	r	29.61	-0.10	59	57	+2	WSW	4	0	3	r	?	54	0.84			
PENINSULA.																					
Corunna ...																					
Lisbon ...	29.73	59	NNE	4	b	29.80	+0.15	61	58	+3	NW	3	0	#	r, b	64	55	0.12			

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page

WEATHER CHARTS

for 8 a.m. on Friday, 28th April, 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

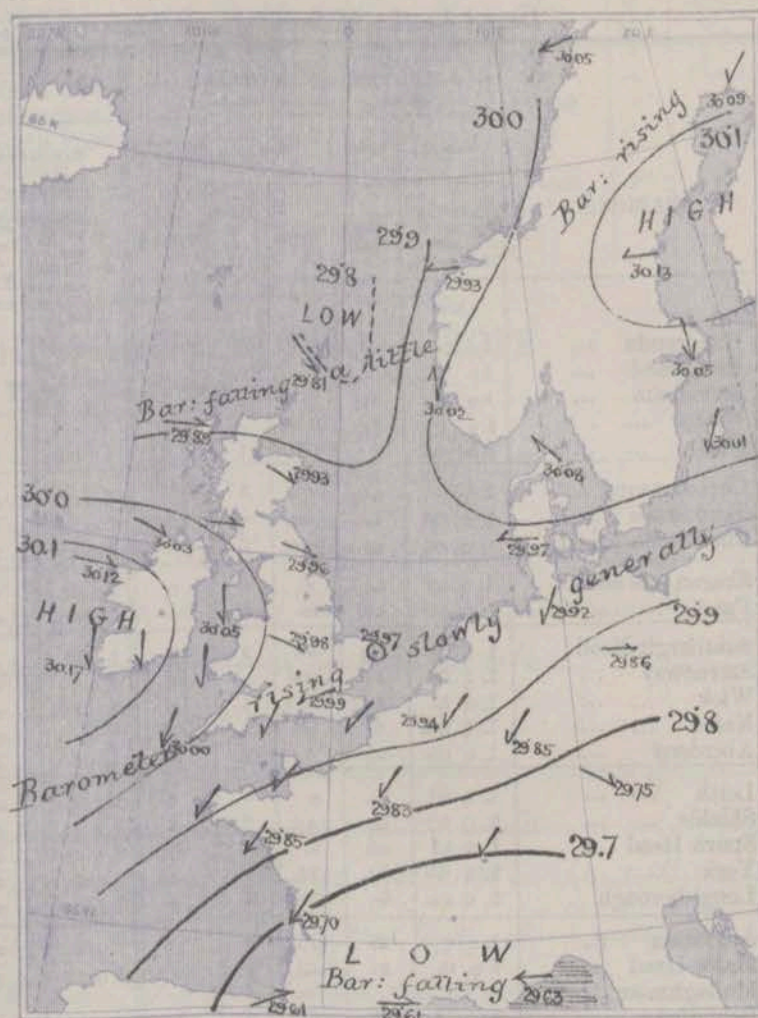
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullachmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Silly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, over Ireland, and also over the Gulf of Bothnia and the northern parts of Sweden.
 Lowest, 29.7 in. and less, in a large shallow depression lying over the south of France; 29.5 in. and less, in a small system lying near the Shetlands.
 Gradients slight. Barometer falling a little in the extreme north of our Islands, and also in the south of France, but rising elsewhere.

TEMPERATURE

Highest, 61° at Lismore, 59° at Brest, Point aux Baritz, 58° at Buzignac, and 54° at Rocher Point and Nice.
 Lowest, 31° at Kapananda, 33° at Brest, 35° at Kennisland and Kirby, 37° at Hordkirk and 41° at Faerø.
 The highest maxima registered over our Islands yesterday were 70° at Loughborough and Cambridge, and 66° at Oxford.

WIND

Light to moderate from the Wnd or NWnd over the northern parts of the United Kingdom, and from the Nnd on our southwest coasts.
 Light from NE in the Netherlands and the southeast of England, and moderate to strong from the same quarter over the greater part of the North Sea.
 S^{ly} in the south of Norway; N^{ly} in the south of Sweden; E^{ly} or NE^{ly} over the northern parts of Scandinavia.

WEATHER

Fine over the greater part of Western Europe, but dull over the southern parts of Scandinavia and France, with rain at Nice.
 A little rain fell yesterday in the north and northeast of Great Britain, and considerable quantities in the south of France, as well as at Faerø, with a thunderstorm at Rochefort. A solar halo was seen at Hurst Castle and a lunar halo at Holyhead.

SEA

Light or smooth generally, but rather rough at Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new anticyclone is apparently spreading over our Islands from the westward, and fair weather is therefore likely to continue in nearly all districts.

FORECASTS

For the 24 hours ending at NOON on 29th April, 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ^{ly} winds, light or moderate; cloudy, local showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW ^{ly} winds, light; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE ^{ly} winds, light; fine, warmer.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N ^{ly} and NE ^{ly} winds, moderate, fair generally.
9	IRELAND NORTH	N ^{ly} and NW ^{ly} winds, light or moderate; fair generally.
10	IRELAND SOUTH	
WARNINGS		None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnæs ...	29.91	47	41	nw	1	b	3	Valencia ...	30.07		61	58	N	4	bom	4
Sumburgh Head ...	29.94	51	47	sw	1	o	1	Scilly ...	29.94		56	51	N	4	b	0
Stornoway ...	29.92	54	52	w	4	o	4	Jersey ...	29.89		60	55	ENE	4	bm	3
Aberdeen ...	29.97	53	47	sse	3	o	2	Hurst Castle ...	29.94		60	55	E	2	m	1
Shields ...	30.02	51	49	n	3	b	2	Dungeness ...	29.94		53	53	ENE	5	b	4
Ardrossan ...	29.98	58	56	w	3	bc	2	North Foreland ...	29.98		51	50	E	3	bc	4
Malin Head ...	30.04	53	51	w	3	o	1	London (Westminster) ...	29.98		58	53	ENE	3	b	3
Mullaghmore ...								Yarmouth ...	30.02		50	47	E	2	b	3
Belmullet ...	30.08	54	52	hsw	3	ot	2	Rocheport ...	29.65		75	68	ENE	3	o	4
Holyhead ...	30.01	53	50	n	2	b	2									

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

Weather in morning remaining fine and bright over France, and many parts of the United Kingdom, as well as over Norway, Lapland, and some parts of Western Russia, cloudy or overcast elsewhere, and changeable in many places — rain falling at Birmmiz and Herösund, snow at Kuopio, fog or haze prevalent in the northeast and east of England. Slight rain later over the northern parts of Great Britain, a large quantity at Faeder, and heavy rains in the southwest and south of France, with thunderstorms in places.

Temperature again fallen over England and the northern parts of France and Germany, risen over southern, southeastern, and Central Europe. Morning readings highest 74° at La Caille, 70° at Sfor, 60° and more on the Mediterranean and Adriatic coasts as a whole, above 50° on our western and northern coasts. Lowest, 32° at Moscow, St. Petersburg and Kuopio, 33° at Kapananda and Kiang, and below 40° over northern Europe generally. Rising during day to 70° at Loughborough, Cambridge, Brest, Perpignan, and Wiesbaden, to 71° at Paris, and to 81° at Rochefort and Belfort, but not exceeding 62° over the southern half of Ireland or at any of the Scotch stations.

Wind anticyclonic over the British Islands — viz. W^h and NW^h in the north, E^h and NE^h in the south; very fresh from E and NE over the Channel and Brittany, and strong E^h at Cape Sicé — but WSW^h at Birmmiz, and SSW^h at Comman. Very variable in direction and light in force over Central and Eastern Europe.

Barometer highest 30.1 ins: and more to 29.9 ins: over the whole of the British Islands, the North Sea, and the Netherlands, as well as over the northern parts of Scandinavia; 30.0 ins: and more to 29.9 ins: over southeastern Europe, Italy, and the eastern parts of the Mediterranean generally. Lowest 29.7 ins: and less, in the south of Portugal; 29.7 ins: and less to 29.8 ins: over Russia, and 29.8 ins: and less, in a small depression over the Skager Rack and north of Denmark. Gradients slight and very irregular. Falling slightly over the United Kingdom during the 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 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 Saturday, 29th April, 1893

1893

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

Issued by the Meteorological Office, 55, Victoria Street, London. H. A. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
	Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (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 Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dir.	Force (0 to 12).		Max.
	Inch.	°				Inch.	°	°	°							°	Ins.	
SCANDINAVIA.																		
Haparanda ...	30.05	38	Z	0	0	30.12	4.03	30	29	- 1	NE	4	bc	#	0	39	18	
Hernösand ...	30.14	30	Z	0	b	30.12	- .01	35	31	0	S	2	bc	#	0	46	25	
Stockholm ...	30.09	34	NNE	2	b	30.07	+ .02	37	32	0	Z	0	b	#	0	45	25	
Wisby ...	30.08	33	NNE	4	b	30.07	+ .06	35	32	0	NNE	4	b	#	0	41	28	
Bodö ...	30.00	33	ENE	4	b	29.95	- .10	36	33	+ 3	ENE	6	b	3	0	37	30	
Christiansund...	29.88	45	N	2	0	29.84	- .09	45	43	+ 3	SW	1	f	3	0	46	42	
Skudesnaes ...	29.94	41	SSE	8	0	29.88	- .14	43	41	0	SSE	5	0	4	0	43	39	
Christiania Fjord (Færdar)	30.04	42	SEW	2	c	30.00	- .08	42	39	+ 1	SSE	3	0	3	0	43	41	
Skagen (The Seaw)	30.02	41	Z	0	b	30.01	- .07	42	38	0	SW	2	0	2	0	55	39	
Fanö ...	30.01	43	S	4	c	29.99	+ .02	41	38	- 2	SSE	4	c	#	0	52	30	
Sumburgh Head	29.76	47	WSW	3	c	29.69	- .12	43	41	- 1	N	1	bc	3	bc, c	52	39	
Stornoway ...	29.82	49	N	4	c	29.76	- .13	46	43	+ 2	SW	4	bc	4	c	51	38	
Wick ...	29.82	48	WNW	2	0	29.70	- .18	47	45	- 4	W	2	bc	0	ptstf	53	38	
Nairn ...	29.86	46	W	2	r	29.71	- .20	45	43	- 4	N	2	c	1	r	55	38	
Aberdeen ...	29.87	49	WNW	3	cp	29.73	- .20	49	44	- 2	SW	2	bc	2	bc, c, p	56	39	
Leith ...	29.92	53	N	3	bc	29.77	- .19	47	44	- 5	WSW	3	0	#	0	60	41	
Shields ...	29.96	50	S	2	0	29.81	- .09	48	45	- 4	SW	2	op	2	bc, 0	56	43	
Spurn Head ...	29.96	48	ESE	1	om	29.91	- .05	49	48	+ 3	WNW	2	cw	2	om	55	45	
York ...	29.96	57	E	1	c	29.92	- .03	52	46	+ 3	W	3	bc	#	0	64	43	
Loughborough	29.96	57	WNW	3	c	29.96	- .02	50	45	- 1	WNW	2	cw	#	0	65	43	
BRITISH ISLANDS.																		
Ardrossan ...	29.96	52	W	2	c	29.78	- .21	45	44	- 7	W	3	0	3	0, c	56	41	
Malin Head ...	29.98	48	W	4	cp	29.78	- .25	44	43	- 4	W	5	op	3	0, cp	52	43	
Mullaghmore ...	30.07	52	W	2	op	29.93	- .19	46	44	- 4	WNW	4	b	#	0	54	45	
Belmullet ...	30.03	49	SE	4	c	29.87	- .18	47	46	- 4	WNW	4	0	2	0	55	45	
Donaghadee ...	30.02	50	WNW	4	c	29.95	- .07	50	45	- 2	W	4	b	3	0	54	45	
Liverpool (Bidston)	30.05	51	Z	0	og	29.97	- .08	49	46	0	SW	4	c	2	bc, og	54	45	
Holyhead ...	30.08	53	NW	1	c	29.95	- .17	48	47	0	SE	1	0	0	0	57	42	
Parsonstown ...	30.18	53	WNW	3	bc, m	30.09	- .08	52	50	0	WSW	3	og	3	bc, bc, m	54	47	
Valencia ...	30.11	54	WNW	4	c	30.08	- .04	52	48	- 2	WNW	3	b	3	0	61	45	
Roche's Point	30.05	53	N	3	bc	30.04	+ .02	49	47	- 3	NW	3	b	3	0	56	44	
Pembroke (St. Ann's Hd.)	30.07	53	N	5	bc	30.10	+ .10	52	49	- 1	WNW	4	bc	3	0	56	45	
Scilly ...	29.97	55	NW	2	bc	30.03	+ .06	59	52	0	WNW	2	bm	1	0	60	45	
Prawle Point ...	29.95	59	NW	3	b	30.01	+ .08	55	51	+ 4	NW	3	cw	3	0	60	46	
Jersey (St. Aubin's)	29.95	52	SW	3	bc, m	30.00	+ .03	51	50	- 2	NNE	1	bc	0	0	61	44	
Hurst Castle ...	29.93	50	E	4	bc	29.96	+ .03	46	45	- 4	WNW	2	0	1	0	55	39	
Dungeness ...	29.93	47	NE	2	b	29.94	- .01	48	47	0	SSW	1	og	2	0	51	43	
North Foreland	29.93	57	SE	1	c	29.97	- .02	50	46	+ 1	N	1	0	#	0	65	47	
London ...	29.98	53	N	3	bc	29.98	+ .01	50	45	+ 1	WNW	2	bm	#	0	66	42	
Oxford ...	29.94	60	WNW	4	b	29.95	- .05	51	48	+ 7	WNW	2	0	#	0	68	43	
Cambridge ...	29.96	48	SSE	3	bc	29.95	- .02	46	45	- 2	SSE	3	0	3	0	50	40	
Yarmouth ...	30.01	43	E	3	c	30.01	+ .09	44	39	- 5	SE	1	bc	#	0	47	39	
Cuxhaven ...	29.95	43	WNW	3	0	30.01	+ .15	44	41	- 2	E	1	0	#	0	46	43	
Berlin ...	29.91	51	NE	4	bc	29.91	+ .03	50	45	+ 1	NNE	2	0	#	0	63	43	
Wiesbaden ...	29.71	54	NE	4	b	29.83	+ .08	47	44	- 4	NE	4	0	#	0	68	39	
Munich ...	30.01	45	NNE	2	b	30.01	- .00	46	44	0	N	1	0	#	0	45	43	
The Helder ...	29.92	47	ENE	4	b	29.97	+ .03	48	44	+ 3	NE	1	0	#	0	59	35	
BRUSSELS (5 a.m.)	29.92	60	NNE	4	b	29.93	+ .12	47	43	0	NW	3	0	#	0	54	41	
Cape Gris Nez	29.82	58	NNE	3	bc	29.95	+ .15	50	46	0	N	2	0	#	0	62	41	
Paris ...	29.88	60	NNE	6	c	30.00	+ .15	51	47	+ 1	N	5	0	#	0	64	43	
Brest ...	29.75	67	NE	4	bc	29.93	+ .23	49	46	- 4	ENE	4	0	#	0	70	45	
Lorient ...	29.63	60	N	1	0	29.80	+ .16	54	47	- 1	N	1	0	#	0	66	50	
Rochefort ...	29.63	54	Z	0	0	29.69	+ .06	54	52	0	Z	0	0	#	0	61	50	
Belfort ...	29.59	61	W	1	0	29.77	+ .16	61	56	+ 3	NW	3	0	#	0	67	56	
Lyons ...	29.78	59	WNW	5	0	29.93	+ .32	60	56	+ 1	WNW	3	0	#	0	63	55	
Nice ...	29.85	60	WNW	5	0	29.95	+ .15	62	58	+ 1	NNE	3	0	#	0	66	57	
Perpignan ...	29.85	60	WNW	5	0	29.95	+ .15	62	58	+ 1	NNE	3	0	#	0	66	57	
Biarritz ...	29.85	60	WNW	5	0	29.95	+ .15	62	58	+ 1	NNE	3	0	#	0	66	57	
FRANCE AND BELGIUM.																		
Corunna ...	29.85	60	WNW	5	0	29.95	+ .15	62	58	+ 1	NNE	3	0	#	0	66	57	
Lisbon ...	29.85	60	WNW	5	0	29.95	+ .15	62	58	+ 1	NNE	3	0	#	0	66	57	
PENINSULA.																		

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, 29th April, 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.

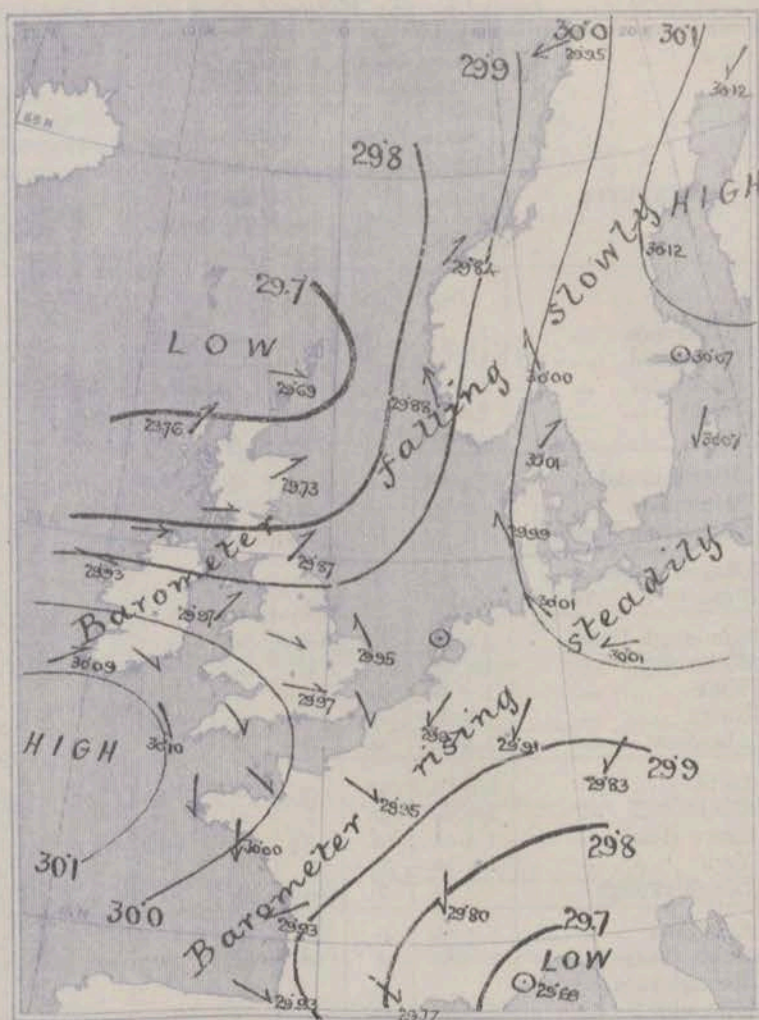
WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force (knots)—
 — force above 10 — force 8 to 10 — force 5 to 7 — force 1 to 4.
 — Lead calm.

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

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.862
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.867
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Silly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

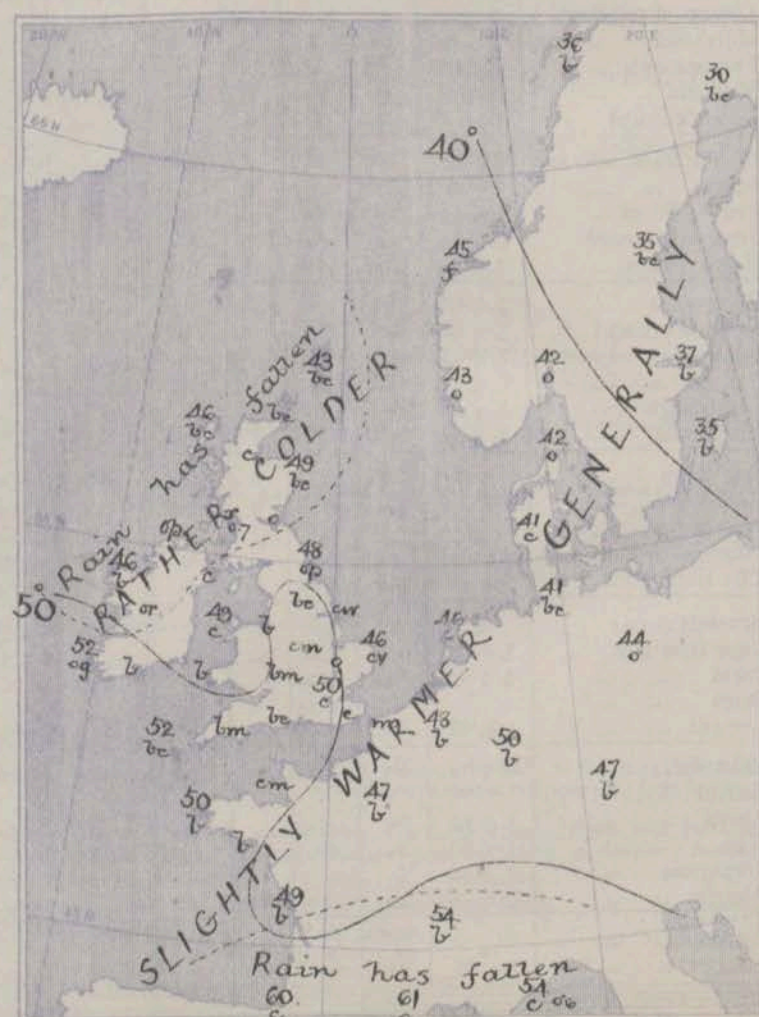
WEATHER—Is shown by letters of the Beaufort Scale.

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 April.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	45.0	36.7	41.7	40.2	2.07
Stornoway	45.0	37.2	43.8	42.3	2.08
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.86
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	53.6	37.7	43.8	41.6	1.78
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.8	39.5	43.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	64.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	40.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.4	1.94
Silly	62.1	44.7	48.8	46.6	2.27
Prawle Point	61.9	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	3.08
Hurst Castle	62.1	41.0	45.8	44.2	1.83
Dover	61.1	41.5	45.3	44.0	1.77
LONDON	58.0	39.7	40.1	43.2	1.84
Oxford	64.0	39.0	41.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in a small anticyclone lying off the south of Ireland, and also in another system lying over the Gulf of Bothnia.
Lowest, 29.7 in. and less, in a depression off the north of Scotland, as well as in another disturbance over the Gulf of Genoa.
Gradients slight. Barometer falling at all but the French and German stations.

TEMPERATURE

Highest, 62° at Lisbon, 61° at Perpignan, 60° at Vienna, 58° at Brussels, and 55° at Jersey.
Lowest, 30° at Capenda, 35° at Kinnaird and Kirk, 36° at Oslo, 37° at Stockholm, and 41° at Faro and Bucharest.
The highest maxima registered over our Islands yesterday, were 68° at Cambridge, 66° at Oxford, and 65° at Loughborough and in London.

WIND

Light to moderate from the Wnd or SWnd in all the more northern parts of the United Kingdom, but Nth or NWth on our southern coast as well as over the greater part of France.
Sth or SEth on the eastern shores of the North Sea; NEth in the north of Scandinavia.

WEATHER

Cloudy and showery in Ireland, the north of England, and the south of Scotland.
Fine in nearly all other parts of Western Europe, but dull in the south of Norway.
Rain has fallen at many of the Irish and Scotch stations—heavily (0.7 in.) at Ardrossan. Further falls have also occurred in the south of France. A solar halo was seen yesterday at Hunt Castle, and lunar halos at Speer, H^l and Dungeness.

SEA

Light or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is spreading slowly southwards, and cloudy showery weather seems likely to set in shortly over the greater part of England.

FORECASTS

For the 24 hours ending at NOON on 30th APRIL, 1893.

DISTRICTS.

FORECASTS.

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

SWth winds, light or moderate;
fine to unsettled and showery.
SWth and Wth winds, light; cloudy,
showery.
NWth to Wth winds, light; fine to
cloudy and showery.

DISTRICTS.

FORECASTS.

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

Same as No. 2.

Same as Nos 3 to 5.

Wth to SWth winds, moderate or fresh;
cloudy, some rain.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.00	42	39	S	8	o	4	Valencia ...	30.19	51	51	N	14	bc	4
Sumburgh Head ...	29.79	50	47	WSW	2	bc	2	Scilly ...	30.03	55	52	N	5	b	2
Stornoway ...	29.83	51	46	WSW	6	c	4	Jersey ...	29.95	58	52	N	3	bc	3
Aberdeen ...	29.88	52	46	SSE	3	c	2	Hurst Castle ...	29.96	55	53	SW	3	bc	1
Shields ...	29.96	51	48	NE	2	bc	2	Dungeness ...	29.95	53	49	E	14	bc	3
Ardrossan ...	29.99	55	51	W	3	o	2	North Foreland ...	29.93	50	48	NE	2	b	3
Malin Head ...	30.01	50	46	W	4	o	3	London (Westminster) ...	29.93	63	53	SSE	2	bc	"
Mullaghmore ...								Yarmouth ...	29.97	50	47	SE	3	bc	2
Behnallet ...	30.11	54	47	WSW	3	b	"	Rochefort ...	29.77	5	5	NE	5	bc	"
Holyhead ...	30.07	53	49	WSW	2	bc	2								

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

Weather in morning fine and bright over Germany, France, and many parts of our Islands, as well as in the northwest of Norway, but more cloudy than of late in many other districts; rain at San Fernando, in the south of France, and at Antwerp, snow falling at Moscow, St. Petersburg, Helsinki and Archangel. Further falls of rain in the south and southwest of France during day, moderate falls on our northwest coasts, and slight falls in the north-east of Scotland. Sleet and hail at Wick.

Temperature fallen decidedly over the Mediterranean and France, changed irregularly elsewhere. Morning readings highest 72° at Nice; above 60° at many Mediterranean stations, but below 60° at others; above 50° on the Atlantic coasts of France, England, and Ireland. Lowest 31° to 36° over Lapland and all the northern parts of Russia, and below 40° over the Baltic. Rising during day to between 60° and 68° over many parts of England and the southern part of France and Germany, but not exceeding 50° at Wick and not touching 50° over North Germany.

Wind (1) N over Ireland and London, NE over the southern half of the Baltic, S to E in Norway; (2) W to NW over the northern part of the United Kingdom, N to NE over the southern half and in France; (3) Variable and cyclonic, but not strong over Southern Europe and the Mediterranean, variable and light over Russia. No general change later.

Barometer highest 30.1 in. and more to 30.0 in. in two anticyclones — one lying over Scandinavia, the other over the southern parts of our Islands and the Atlantic; 30.0 in. to 29.9 in. in another system over the Black Sea and southeastern Europe. Lowest, (1) 29.6 in. and less to 29.7 in. in a depression over the Mediterranean and the southern part of France; (2) 29.7 in. to 29.8 in. over northern, central, and eastern Russia; (3) about 29.6 in. over the northern part of the Shetlands. Falling irregularly over the British Isles 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.

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 30th April,

1893

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

Published by the Meteorological Office, 55, Victoria Street, London. A. J. SCOTT, Secretary.																																					
STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.																				
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.																					
	Reading at 32° F. and Sea Level.		Dry Bulb.		Direc.		Force (0 to 12).		Weather.		Reading at 32° F. and Sea Level.		Change since Yesterday Morn.		Dry Bulb.		Wet Bulb.		Change in dry since Yesterday.		Direc.		Force (0 to 12).		Weather.		Sea (0 to 9).		Weather.		Max.		Min.		Amount of Rainfall.		
	Ins.		°								Ins.		°		°		°																				
SCANDINAVIA.	Haparanda ...	30.06	27	NNE	2	c	30.06	-06	26	46	-	4	NNE	4	0	#	c	36	21	-																	
	Hernösand ...	30.02	34	NE	2	o	30.03	-09	33	29	-	2	NE	2	0	#	o	45	21	-																	
	Stockholm ...	29.98	28	Z	0	o	29.90	-17	40	36	+	3	Z	0	0	#	o	42	25	-																	
	Wisby ...	30.02	32	SSW	4	b	29.87	-20	37	35	+	2	SE	4	0	#	b	29	27	-																	
	Bodö ...	29.91	36	ENE	6	b	29.97	-03	36	31	-	0	ENE	6	0	#	b	41	28	-																	
	Christiansund...	29.77	48	NE	2	bc	29.75	-09	42	41	-	3	N	1	bc	3	bc	50	29	-																	
	Skudesnaes ...	29.77	42	SSW	6	o	29.67	-21	45	40	+	2	ESE	4	0	2	r, o	45	41	-																	
	Christiania Fjord (Fjord)	29.91	38	SSE	5	r	29.77	-23	37	36	-	5	SSE	4	0	3	r	47	34	-																	
	Skagen (The Scaw)	29.89	37	SE	3	r	29.73	-28	38	37	-	4	SE	3	r	2	r	42	36	0.28																	
	Fanö ...	29.80	43	SE	4	c	29.61	-38	40	39	-	1	W	4	r	#	c	46	41	0.25																	
BRITISH ISLANDS.	Sumburgh Head	29.64	46	SW	1	bc	29.64	-05	45	42	+	2	Z	0	bc	1	c, bc	49	36	0.01																	
	Stornoway ...	29.66	49	NW	4	bc	29.73	+07	43	41	-	3	NW	4	c	4	c, bc	49	37	0.16																	
	Wick ...	29.65	46	W	2	bc	29.68	-02	46	44	-	1	NW	2	c	1	hsp, bc	52	32	0.48																	
	Nairn ...	29.67	43	Z	0	r	29.73	+02	46	43	+	1	W	3	c	2	r	52	36	0.20																	
	Aberdeen ...	29.65	46	W	1	c	29.73	-00	46	41	-	3	NW	4	bcq	3	h, cpq	52	38	0.12																	
	Leith ...	29.68	48	WNW	3	bc	29.79	+02	49	43	+	2	W	3	b	#	bc	52	38	0.08																	
	Shields ...	29.72	49	WSW	3	c	29.80	-07	47	43	-	1	WNW	4	c	2	hsp, c	57	37	0.03																	
	Spurn Head ...	29.77	49	WSW	5	c	29.84	-07	47	46	-	2	WNW	5	bc	3	bc	56	42	-																	
	York ...	29.79	49	NW	3	bc	29.86	-06	49	44	-	3	W	3	b	#	bc	59	39	0.04																	
	Loughborough	29.85	48	W	3	c	29.94	-02	47	43	-	3	WNW	4	bcq	#	c, p	62	41	0.08																	
GERMANY & HOLLAND.	Ardrossan ...	29.75	49	W	4	b	29.83	+05	47	45	+	2	W	4	cpq	3	p, bc, b	52	44	0.14																	
	Malin Head ...	29.80	48	W	5	b	29.91	+13	42	40	-	2	WNW	5	okrp	3	q, h, b	49	41	0.08																	
	Mullaghmore ...	29.99	49	NW	4	b	30.07	+14	47	44	+	1	NN	4	o	#	b, p	50	44	0.06																	
	Belmullet ...	29.83	50	NNW	4	c	29.94	+07	46	43	-	1	WNW	5	b	3	c	55	45	0.14																	
	Donaghadee ...	29.96	50	W	5	b	29.95	-00	48	45	-	2	W	6	b	5	b	55	44	-																	
	Holyhead ...	29.90	49	WNW	1	b	30.01	+04	46	44	-	3	WNW	4	bc	3	b	54	43	0.06																	
	Parsonstown ...	29.97	52	NN	2	bc	30.09	+14	49	44	+	1	NN	1	o	#	bc	57	40	0.07																	
	Valencia ...	30.10	52	WNW	6	c	30.20	+11	50	48	-	2	W	5	c	5	ro, cpq	55	47	0.06																	
	Roche's Point	30.01	52	NNW	5	bc	30.16	+08	50	47	-	2	WNW	3	bc	3	p, bc	55	44	0.15																	
	Pembroke (St. Ann's Hd.)	29.96	49	W	3	c	30.10	+06	47	45	-	2	NN	5	bc	5	c	53	46	0.03																	
FRANCE AND BELGIUM.	Scilly ...	29.97	53	W	5	c	30.18	+08	52	52	-	0	WNW	4	cp	3	c, p	56	49	-																	
	Prawle Point ...	30.02	52	W	4	bc	30.13	+10	50	48	-	9	NN	3	b	2	bc, p	61	42	0.01																	
	Jersey (St. Aubin's)	30.05	55	WNW	4	b	30.13	+12	54	48	-	1	WNW	4	bc	3	b	60	48	-																	
	Hurst Castle ...	29.96	58	WNW	4	b	30.06	+06	50	46	-	1	WNW	4	b	2	bc, b	63	44	-																	
	Dungeness ...	29.87	54	WSW	4	c	29.98	+02	53	46	+	7	NN	4	b	3	c	56	43	-																	
	North Foreland	29.93	57	NW	3	bc	29.96	+02	50	46	+	2	NW	4	bcq	3	bc, o	60	45	-																	
	London ...	29.88	59	WNW	3	bc	29.99	+02	50	45	-	0	NN	3	bc	#	bc, p, b	63	40	0.02																	
	Oxford ...	29.91	50	WSW	3	c	30.00	+02	49	43	-	1	WNW	3	b	#	c, p	61	38	0.01																	
	Cambridge ...	29.84	57	SSW	5	o	29.96	+01	49	45	-	2	WSW	5	b	#	o	64	38	0.01																	
	Yarmouth ...	29.87	56	W	2	c	29.87	-08	48	44	+	2	WNW	5	eq	4	c, t	56	43	-																	
PENINSULA.	Cuxhaven ...	29.92	46	N	2	bc	29.69	-32	45	44	+	4	W	5	bc	#	bc	49	41	0.12																	
	Berlin ...	29.90	48	SE	1	b	29.78	-23	47	43	+	3	WSW	2	c	#	b	55	41	-																	
	Wiesbaden ...	*	#	#	#	#	29.91	-00	53	49	+	3	SW	3	b	#	#	64	43	-																	
	Munich ...	29.87	57	SE	2	c	29.99	+16	56	48	+	9	SW	5	c	#	c	63	45	-																	
	The Helder ...	29.86	46	WSW	1	c	29.85	-16	47	44	+	1	WNW	5	bc	3	b	50	43	-																	
	Brussels (p.m.)	*	*	*	*	*	29.96	-01	49	44	+	1	W	4	o	#	c	60	41	-																	
	Cape Gris Nez	29.87	53	W	4	c	29.95	+02	48	46	-	0	WNW	4	b	4	c	55	45	-																	
	Paris ...	29.93	64	NW	2	b	30.06	+11	50	47	+	3	SSW	3	c	#	b	68	40	-																	
	Brest ...	29.97	53	NN	4	b	?	?	57	46	+	7	N	3	c	3	b	59	43	-																	
	Lorient ...	30.08	60	NNW	5	b	30.17	+17	51	48	-	0	NNW	5	b	3	b	66	50	-																	
FRANCE AND BELGIUM.	Rochefort ...	29.99	60	NN	5	b	30.13	+20	53	49	+	4	N	4	b	#	b	68	48	-																	
	Belfort ...	29.99	64	WNW	3	b	?	?	50	45	-	0	WSW	4	c	#	b	73	41	-																	
	Lyons ...	29.86	66	N	2	b	30.07	+27	56	48	+	2	N	1	bc	#	b	71	49	-																	
	Nice ...	29.78	58	Z	0	c	29.91	+22	60	55	+	6	Z	0	b	0	c	68	54	-																	
	Perpignan ...	29.90	65	NN	4	c	30.11	+34	60	52	-	1	NN	3	b	#	c	70	52	-																	
	Biarritz ...	30.03	60	WNW	5	bc	30.14	+21	58	53	-	2	NN	4	b	3	bc	63	55	0.04																	
	Corunna ...	*	*	*	*	*	30.05	+10	64	58	+	2	NE	4	b	#	b	73	57	-																	
	Lisbon ...	30.01	63	NNW	4	b	30.05	+10	64	58	+	2	NE	4	b	#	b	73	57	-																	

For Explanation of Columns, see bottom of last page.

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

Note. The 8 a.m. Barometer reading at Stornoway in yesterday's report should be 29.66.

WEATHER CHARTS

for 8 a.m. on Sunday, 30th April 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

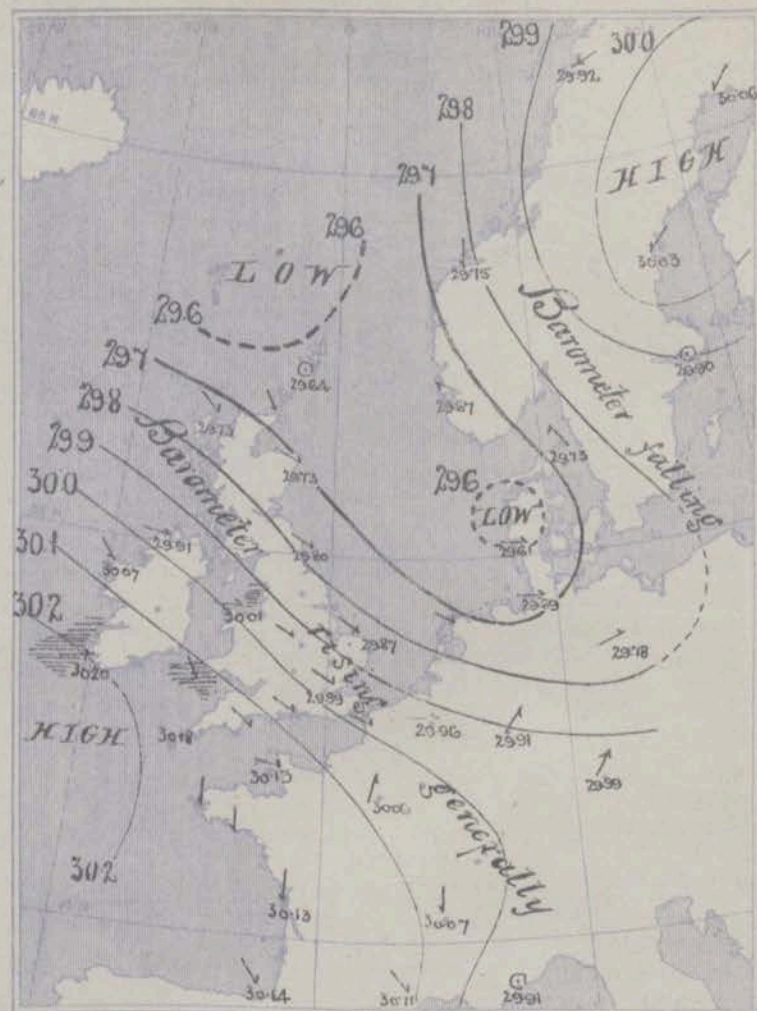
— Rough — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS
Sumburgh Head	29.540
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghnore	29.839
Dunaghadan	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Silly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

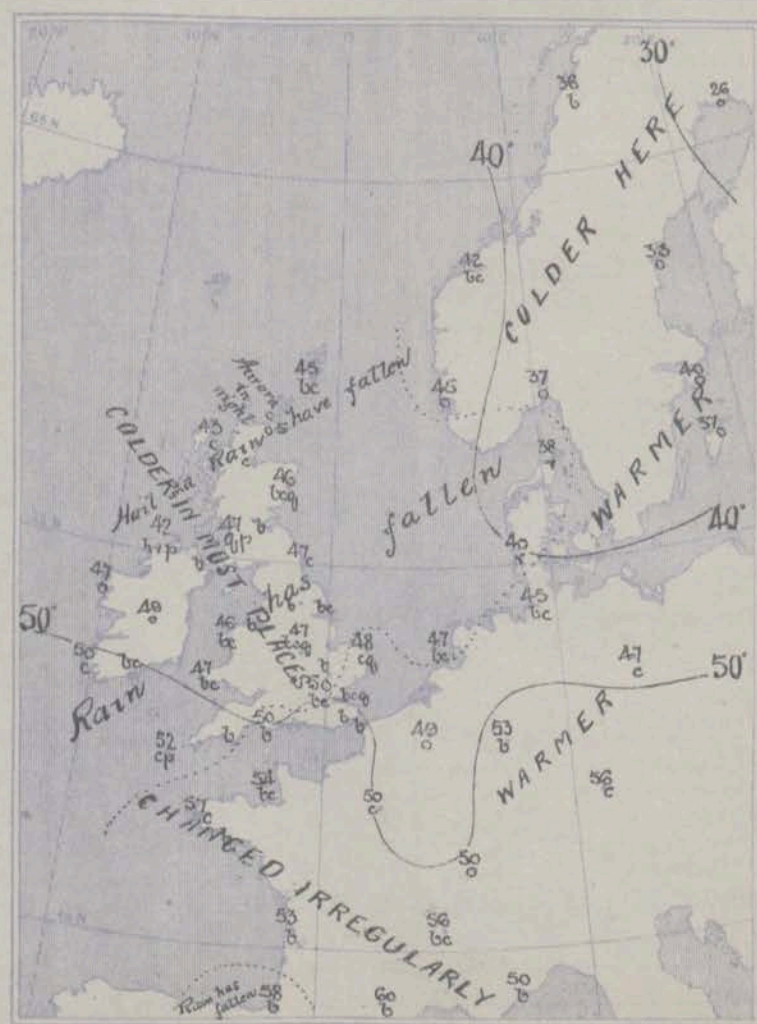
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry	Wet.	
Sumburgh Head.....	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.63
Wick.....	48.9	36.9	43.1	41.2	1.68
Nairn.....	50.9	37.3	42.7	40.4	1.26
Aberdeen.....	49.3	38.0	43.9	40.7	3.16
Leith.....	52.0	37.9	44.1	41.7	1.57
Shields.....	49.0	38.6	43.5	41.4	1.80
Spurn Head.....	48.4	40.2	44.0	42.3	1.45
York.....	53.5	37.7	43.8	41.6	1.76
Loughborough.....	55.1	38.1	44.4	42.1	1.78
Ardrossan.....	51.5	39.5	44.4	42.1	2.14
Mullaghnore.....	51.9	42.3	45.3	43.0	2.08
Dunaghadan.....	51.0	40.0	44.6	42.9	1.92
Holyhead.....	51.4	42.0	45.8	43.8	1.90
Liverpool.....	52.6	40.4	45.0	42.1	1.55
Parsonstown.....	54.6	38.0	45.0	42.5	2.04
Valencia.....	53.9	42.8	48.2	45.6	3.83
Roche's Point.....	53.7	42.1	46.8	44.3	3.24
Pembroke.....	50.4	41.9	45.2	43.4	1.94
Silly.....	52.1	44.7	48.6	46.6	2.27
Prawle Point.....	51.9	40.7	48.2	44.6	2.07
Jersey.....	54.2	43.5	48.5	45.9	2.08
Hurst Castle.....	52.1	41.0	45.6	44.2	1.83
Dover.....	51.1	41.5	46.3	44.0	1.77
LONDON.....	56.0	39.7	46.1	43.2	1.84
Oxford.....	54.0	38.9	44.4	42.1	1.78
Cambridge.....	54.8	37.2	45.2	43.0	1.69
Yarmouth.....	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying to the southwards of our Islands; 30.0 in. and upwards over the north of Britain.
 Lowest, 29.6 in. and less, in a depression lying to the northwards of the Shetlands; 29.7 in. and less, in a band stretching southwards across the North Sea towards Denmark.
 Gradients slight. Barometer rising in our Islands and France, but falling in Denmark, North Germany, and the south of Scandinavia.

TEMPERATURE

Highest, 64° at Lirbow, 60° at Copenhagen, 58° at Rinnitz, 57° at Rost, 56° at Lyng, and 54° at Jersey.
 Lowest, 26° at Haparanda, 27° at Archangelsk, 23° at Uleaborg, 30° at Krasnoyarsk, 31° at Hangö, and 32° at Helsingfors and P. Petersburg.
 The highest maxima registered over our Islands yesterday were 64° at Cambridge, and 63° at Hurst Castle and in London.

WIND

Moderate to strong from the W. or NW. over our Islands and the Shetlands, and from the NW. or N. in the east and south of France.
 SE. in the south of Scandinavia; E. or NE. in the northern parts of that Peninsula.

WEATHER

Fair or fine over the greater part of our Islands and France, but showery in the north of Ireland.
 Rainy in Denmark, dull in Sweden and the north of Norway.
 In the course of the past 24 hours rain has fallen at all but our extreme southern and eastern stations. Thunder has occurred at Yarmouth and the Hebrides.

SEA

Rather rough at Liverpool, Valencia, and Pembroke, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 1st 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. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.82	43	41	S	6	r	3	Valencia ...	30.06	49	49	NNW	5	om	5
Sumburgh Head ...	29.66	49	45	WSW	1	c	3	Scilly ...	30.11	55	51	NW	4	bc	3
Stornoway ...	29.66	49	44	W	3	c	3	Jersey ...	30.04	59	50	WNW	3	b	3
Aberdeen ...	29.64	48	45	NW	5	cgr	3	Hurst Castle ...	29.97	62	57	WNW	4	bc	1
Shields ...	29.73	54	49	SW	3	c	2	Dungeness ...	29.90	54	51	SW	4	c	3
Ardrossan ...	29.73	51	48	W	4	bc	3	North Foreland ...	29.89	57	50	S	2	o	3
Malin Head ...	29.79	47	44	W	4	c	4	London (Westminster) ...	29.90	63	49	W	3	c	3
Mullaghmore ...								Yarmouth ...	29.87	49	48	SSE	3	c	3
Belmullet ...	29.95	55	50	WNW	5	bc	*	Rochefort ...	29.98	64	57	NW	4	b	*
Holyhead ...	29.89	53	50	WSW	4	bc	2								

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

Weather in morning still fine and bright over south Germany, France, the southwestern parts of the British Isles and in Sweden; cloudy or overcast in most other places, and becoming less fair generally than of late. Rain at some stations over southern and southeastern Europe, and the northern parts of Ireland and England; snow at Archangel. Rain later in the east and north of the United Kingdom, and slight showers over the southeastern countries; slight snowshowers in Russia.

Temperature risen somewhat over southern and southeastern Europe, fallen elsewhere. Morning readings exceeding 60° at many of the Mediterranean stations, at Constantinople, and on the Atlantic coast of the Iberian Peninsula, and exceeding 50° in the south and southwest of our Islands; below 40° over eastern and northern Europe, and as low as 30° at Archangel and Haparanda, 33° at Petersburg, 35° at Helsingfors, Moscow and Kiev. Rising later to a little above 60° over England, and the north of France, to 70° and more in the south of France and over many parts of Italy, and to 80° and more in some parts of Algeria.

Wind light and anticyclonic over the northern half of Europe and also over the southwestern and southern parts of our Islands and the north and west of France; SW to W, moderate, but cyclonic over Scotland and variable but cyclonic over the Mediterranean and south of Russia; SE on the eastern shores of the North Sea. No great change later.

Barometer highest, 30.1 ins. and more to 30.0 ins. over Sweden, the Baltic, and north Germany, as well as in the eastern part of an anticyclone spreading from the Atlantic towards the southwest of our Islands, the Bay of Biscay and Spain. Lowest 29.7 ins. and less, over the north of Scotland, the Shetlands, and Heligoland, and also over the northern parts of the Mediterranean, Italy, and the Adriatic. Rising somewhat on our north-west coasts later, but a "hollow" forming over the North Sea and Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

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.		Force (0 to 12).	Weather.	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 Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Max.				Min.				
1	Lorient	29.86	56	SSW	1	bc	29.91	+02	46	-	-	E	3	c	2	bc	64	45	-		
2	Corunna	*	*	*	*	*	29.88	+01	58	54	+4	NEW	3	0	5	*	58	50	-		
3	Corunna	*	*	*	*	*	29.86	-	52	50	-	NW	2	0	6	*	55	45	0.39		
4	Corunna	*	*	*	*	*	29.90	+04	53	51	+1	W	4	4	3	*	53	45	0.93		
5	Wisby	29.88	36	WNW	4	b	30.02	-	86	35	-	NW	4	b	*	b	43	27	-		
6	Belfast	*	54	E	3	bc	?	?	46	-	-	E	3	bc	*	bc	70	33	-		
7	Corunna	*	*	*	*	*	30.00	+10	50	54	+3	SSW	4	0	3	*	57	46	0.08		
8	Belfast	?	59	E	3	bc	?	?	43	-	-	E	1	b	*	bc	69	37	-		
9	Corunna	*	*	*	*	*	30.04	+04	53	49	-3	S	4	b	3	*	57	43	-		
10	Belfast	?	62	ENE	4	b	?	?	47	-	+4	ENE	3	b	*	b	66	41	-		
11	Corunna	*	*	*	*	*	30.04	-00	62	-	+9	NE	4	bc	2	*	64	50	-		
12	Lyon	30.18	62	N	1	b	30.31	+11	50	-	+1	W	1	b	*	b	69	44	-		
13	Corunna	*	*	*	*	*	30.04	-00	64	55	+2	SE	4	b	4	*	68	50	-		
14	Corunna	*	*	*	*	*	29.86	-	58	52	-	SSE	4	b	5	*	73	46	-		
15	Corunna	*	*	*	*	*	29.95	+09	65	58	+7	NE	1	bc	3	*	?	50	-		
16	Corunna	*	*	*	*	*	30.12	+17	62	53	-3	E	3	b	3	*	65	48	-		
17	Corunna	*	*	*	*	*	30.13	+01	53	52	-9	S	5	0	2	*	62	46	-		
18	Corunna	*	*	*	*	*	30.09	-04	55	48	+2	W	4	b	1	*	64	41	-		
19	Corunna	*	*	*	*	*	30.14	+05	60	53	+5	SSW	3	b	0	*	66	46	-		
20	Belfast	?	61	W	3	bc	?	?	58	-	+11	W	3	c	*	bc	71	39	-		
21	Corunna	*	*	*	*	*	30.12	-02	64	-	-	E	3	bc	0	*	64	50	-		
22	Corunna	*	*	*	*	*	29.87	-25	71	56	+7	S	4	0	0	*	72	57	-		
23	Belfast	?	62	ESE	3	c	?	?	55	-	+5	E	2	c	*	c	68	39	-		
24	Corunna	*	*	*	*	*	29.95	-12	64	58	-7	S	6	0	2	*	75	55	-		
25	Corunna	*	*	*	*	*	29.84	+09	56	53	-8	S	5	4	1	*	72	52	0.08		
26	Belfast	?	70	WNW	1	c	?	?	56	-	+1	W	3	bc	*	c	77	41	-		
27	Corunna	*	*	*	*	*	29.98	-06	63	?	+7	SSE	5	4	6	*	64	50	0.08		
28	Corunna	*	*	*	*	*	29.86	+08	62	56	-1	SSW	6	c	3	*	75	52	0.20		
29	Balmullet	?	51	NE	3	bc	?	?	54	-	-8	NE	1	b	*	bc	81	44	-		
30	Corunna	*	*	*	*	*	29.66	-	69	60	-	SSE	6	bc	0	*	73	52	-		
31	Corunna	*	*	*	*	*	29.82	+16	62	-	-7	SSE	4	bc	1	*	77	46	0.20		
32	Corunna	*	*	*	*	*	29.74	-08	60	54	-2	ESE	4	0	3	*	66	50	-		
33	Corunna	*	*	*	*	*	29.76	+02	60	56	0	SSW	2	c	3	*	64	48	0.04		
34	Corunna	*	*	*	*	*	29.64	-12	55	-	-9	NW	2	4	0	*	81	51	0.04		
35	Lyon	29.64	70	SE	3	0	29.88	+09	60	-	0	N	5	m	2	*	61	55	-		
36	Corunna	*	*	*	*	*	30.12	+27	61	57	+1	NNE	6	c	3	*	63	52	-		

2. CORRECTIONS.

[illegible]