METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JANUARY TO 30TH JUNE, 1899.

DAILY WEATHER REPORT.

January to June 1899.

DAILY WEATHER REPORT

for 8 a.m. on Saturday 1st April, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.72	22	E	0	b	29.83	+.22	15	14	−8	N	2	b	*	b	*	34	15	—
	Hernösand ...	29.93	32	N	2	b	29.95	+.19	29	25	0	NW	4	b	*	b	*	41	25	—
	Stockholm ...	29.91	33	N	4	b	30.05	+.31	31	27	−2	NNW	2	b	*	b	*	39	30	—
	Wisby	29.91	33	NNW	4	b	30.06	+.34	32	31	−1	N	6	b	*	b	*	36	30	—
	Karlstad ...	30.05	34	N	2	b	30.08	+.19	29	26	−3	N	2	b	*	b	*	*	*	—
	Bodö	29.87	31	W	4	o	29.88	+.13	29	26	−4	E	4	o	1	o	*	34	27	—
	Christiansund ...	30.11	31	ESE	1	bc	29.82	−.26	32	28	−3	ESE	4	o	4	bc	*	35	28	—
	Skudesnaes ...	30.12	37	E	0	c	29.88		35	34		SSE	8	ors	4	c	*	41	32	*
	Færder (Christiania Fjord)	30.07	36	E	0	b	30.02	+.01	35	32	0	SSE	4	o	3	b	*	41	34	—
	Skagen (The Scaw)	30.10	34	NW	1	b	30.08	+.02	35	34	−2	SW	2	o	0	b	*	45	30	—
	Fanö	30.20	34	N	1	b	30.08	−.13	35	34	−2	SW	2	bc	*	b	*	43	30	—
	Sumburgh Head	29.96	37	SE	5	o	29.45	−.74	47	47	+10	W	4	r	6	o	*	47	37	0.39
	Stornoway ...	29.78	50	W	2	r	29.66	−.28	50	49	+10	W	5	r	5	r	0.0	50	37	0.36
	Wick	29.86	48	S	6	r	29.61	−.47	53	51	+15	W	4	c	3	r	*	53	35	0.50
	Nairn	29.86	43	E	0	r	29.67	−.41	52	50	+18	W	3	bc	1	r	*	52	32	0.21
	Aberdeen ...	29.95	39	SSE	5	orgq	29.74	−.43	51	48	+18	SW	4	cq	3	orgq	0.0	52	33	0.33
British Islands.	Leith	29.96	41	E	1	r	29.85	−.25	51	49	+16	WSW	4	o	*	r	*	51	34	0.22
	Shields	29.98	42	SSE	1	r	29.93	−.22	51	49	+14	WSW	3	o	2	r	*	51	35	0.14
	Spurn Head ...	30.03	42	SE	4	f	30.01	−.17	48	47	+10	W	4	or	3	r, f	*	48	35	0.15
	York	30.03	45	S	1	om	30.01	−.15	51	48	+13	WSW	2	o	*	r, om	0.0	51	37	0.15
	Loughborough ...	30.08	52	W	1	o	30.09	−.09	51	49	+9	W	2	o	*	omq, c, o	*	56	42	0.04
	Ardrossan ...	29.96	44	NNE	2	df											*			
	Malin Head ...	29.98	48	WSW	5	of	29.93	−.23	48	48	0	WSW	4	om	3	of	*	49	48	0.02
	Belmullet ...	30.13	52	WSW	4	o	30.05	−.06	50	50	−1	SW	5	o	*	o	*	52	50	—
	Donaghadee ...	30.04	54	WSW	4	cq	30.02	−.01	51	50	+2	WSW	4	o	3	cq	*	54	49	0.01
	Liverpool (Bidston)	30.07	52	WSW	5	o	30.08	−.03	51	48	+6	WSW	4	bc	5	r, om	*	54	45	0.29
	Holyhead ...	30.11	53	W	3	c	30.10	.00	51	49	+1	W	2	om	1	c	*	56	49	—
	Parsonstown ...	30.17	53	W	1	o	30.12	−.05	50	48	−2	SW	1	o	*	o	0.0	55	48	—
	Valencia ...	30.23	52	WSW	1	og	30.16	+.12	49	49	−4	SSE	2	f	3	og	2.9	53	47	—
	Roche's Point ..	30.19	59	NW	3	bc	30.16	−.08	48	48	−5	WSW	2	o	3	bc	*	61	47	—
	Pembroke (St. Ann's Hd.)	30.19	48	W	3	f	30.15	−.06	49	48	+1	WSW	3	o	3	f	0.0	52	46	—
	Scilly	30.24	52	WSW	3	f	30.19	−.08	51	51	+1	W	1	f	3	f	0.0	55	50	0.04
	Prawle Point ...	30.21	51	WSW	4	o	30.19	−.07	47	46	−2	WNW	1	f	2	om	*	52	46	0.01
	Jersey (St. Aubin's)	30.25	50	W	4	f	30.23	−.07	51	51	0	W	3	f	3	f	*	52	48	0.01
	Hurst Castle ...	30.17	51	SW	1	cm	30.17	−.05	49	48	+1	SW	2	om	2	cm	*	54	48	—
	Dungeness ...	30.08	49	WSW	4	bc	30.13	−.07	50	49	+3	NNE	1	om	1	bc	*	52	44	—
	North Foreland																*			
	London (Brixton) ...	30.10	58	WNW	3	c	30.15	−.06	51	49	+5	SW	2	o	*	odq, c, b	0.3	61	46	0.02
	Oxford	30.13	52	WSW	3	b	30.15	−.03	48	47	+3	WSW	2	c	*	o.b	*	60	44	—
	Cambridge ...	30.08	56	NNW	1	o	30.12	−.09	50	49	+7	SW	2	o	*	dm, o	0.0	58	41	0.06
	Yarmouth ...	30.08	41	SE	5	d	30.06	−.18	49	48	+8	W	2	cm	3	d	*	49	39	0.21
Germany & Holland.	Cuxhaven ...	30.18	39	NW	2	c	30.13	−.08	34	32	−6	S	1	b	*	c	*	41	28	—
	Berlin	30.15	39	NW	4	b	30.16	+.03	35	32	0	NW	1	b	*	b	*	45	30	—
	Wiesbaden ...	*	*	*	*	*	30.14	−.14	42	41	+1	NE	1	o	*	*	*	50	41	0.08
	Munich	30.19	42	SW	3	o	30.13	−.13	36	36	−4	SE	2	s	*	o	*	48	36	0.24
	The Helder ...	30.13	40	E	0	o	30.05	−.24	41	40	−1	S	1	o	1	o	*	45	39	—
Belgium.	Brussels ...	*	*	*	*	*	30.13	−.18	48	?	+7	SW	2	r	*	r	*	?	?	0.06
	Cape Gris Nez ...	?	49	W	4	o	?	?	48	47	+3	SW	1	f	1	o	*	50	41	0.12
	Paris	30.20	55	W	2	o	30.22	−.08	51	50	+5	W	2	m	*	o	*	55	46	—
	Brest	30.30	51	NW	1	m	30.23	−.11	48	48	−2	E	0	m	2	m	*	54	45	—
	Lorient	30.30	51	W	3	m	30.24	−.10	44	44	−6	E	1	f	2	m	*	59	43	0.04
France &	Rochefort ...	30.28	52	WNW	4	c	30.24	−.08	49	47	−2	NE	1	m	*	c	*	57	46	—
	Belfort	30.18	49	W	1	r	30.15	−.12	47	47	+3	W	4	r	*	r	*	57	44	0.24
	Lyons	30.24	56	N	1	o	30.22	−.07	51	48	0	N	1	bc	*	o	*	63	51	—
	Nice	29.99	62	SW	2	b	30.00	+.01	50	48	+4	E	0	c	2	b	*	66	46	—
	Perpignan ...	30.19	66	NW	4	b	30.14	−.07	61	54	0	NW	3	b	*	b	*	72	57	—
	Biarritz ...	30.24	55	N	3	c	30.19	−.09	48	?	−7	NE	2	m	2	c	*	57	46	—
Penin-sula.	Corunna ...																*			
	Lisbon	30.15	66	NNW	3	b	30.13	−.10	63	57	+5	NE	3	b	*	b	*	75	59	—
	Azores (P. Delgada)	29.95	59	SSE	4	c	29.94	−.08	58	56	−1	WSW	4	c	3	c	*	61	57	0.04

For Explanation of Columns, see bottom of last page.

† *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Saturday 1st April, 1899.

BAROMETER, WIND AND SEA.

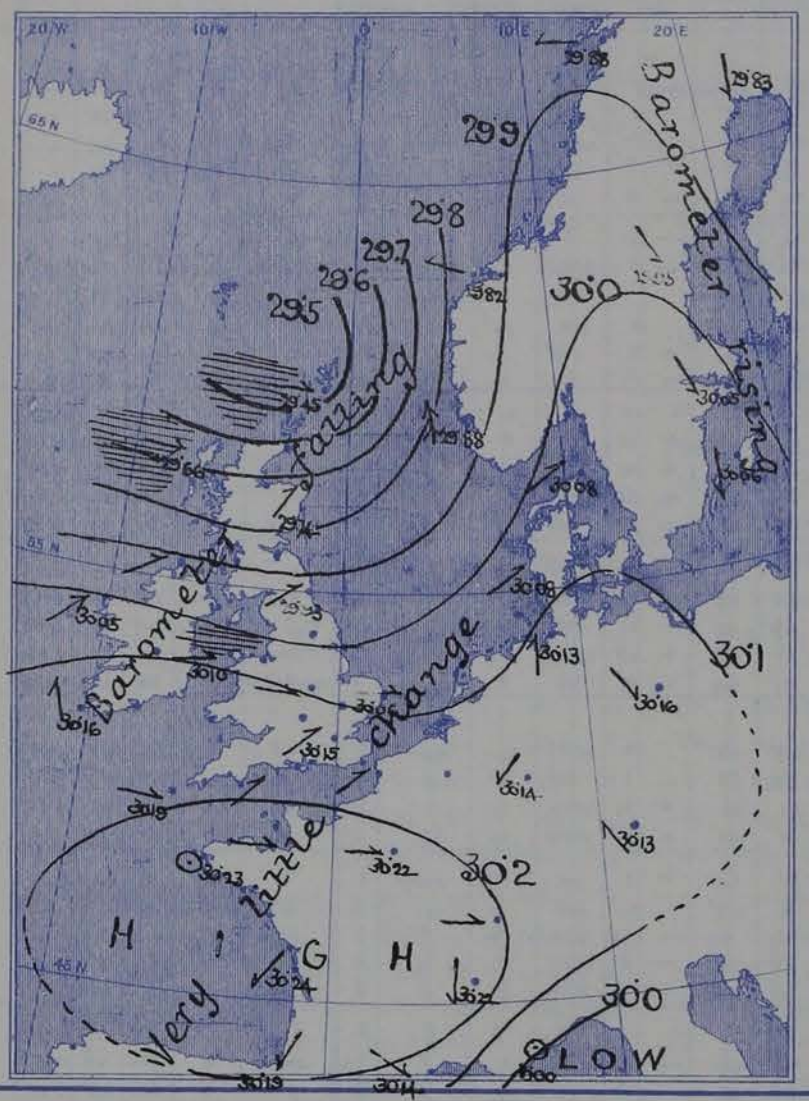
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High

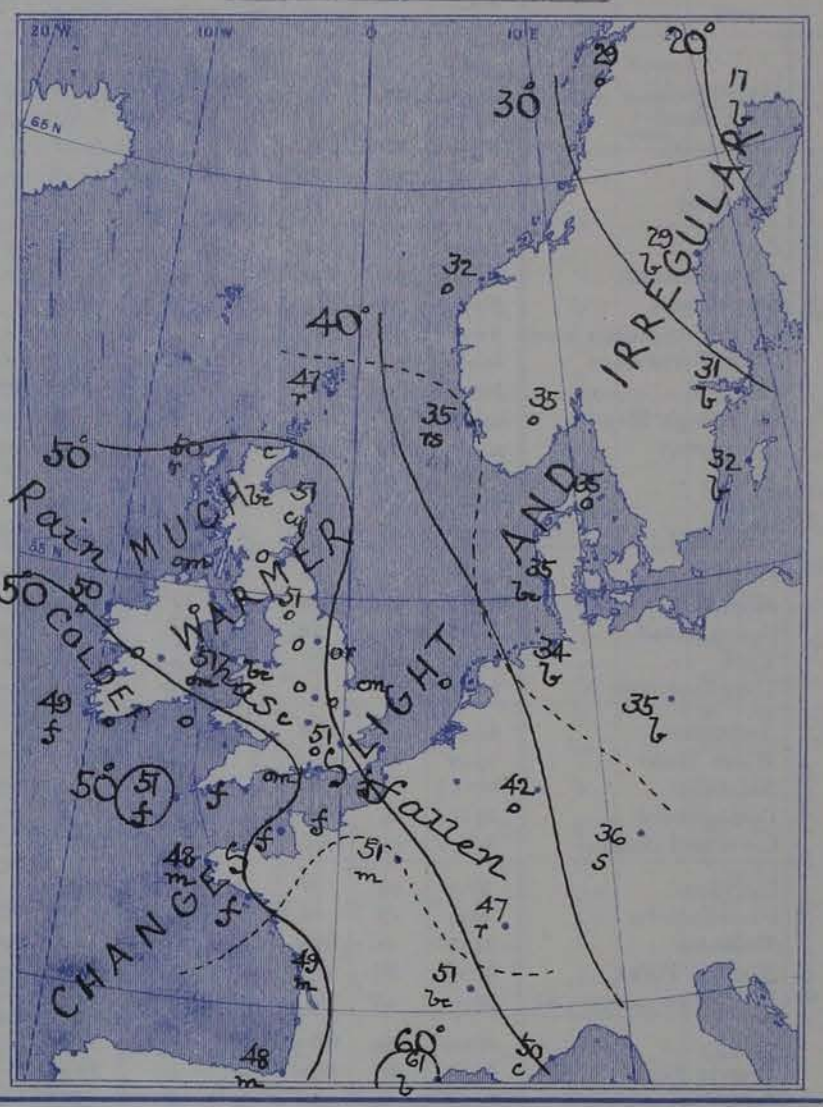


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins: and more to 30.1 ins: in an anticyclone covering France, the south of our Islands and the northern parts of Germany.
Lowest below 29.5 ins: over the Shetland Islands.
Gradients were slight in the south, moderate in the north.
Barometer was changing very little and undecidedly.

TEMPERATURE

Highest 65° at Perpignan, 51° at Scilly and many English stations, 50° at Belmullet and Stornoway.
Lowest (1) 17° at Haparanda, 29° at Hernosand and Karlstad, 35° at Berlin; (2) 35° at Thedenaes and Fano.
It was as high as 61° to 66° over some parts of England and the southeast of Ireland yesterday.
It has risen from 10° to 18° at the Scotch stations since yesterday.

WIND

Westerly to southwesterly over our Islands – light at our southern stations, moderate to fresh in the north.
Over France it was light and anticyclonic, and in Norway Southerly.

WEATHER

Very foggy in the English Channel and the south of Ireland, dull over England, squally and rather rainy in the north of Scotland
There was some rain yesterday at many of our northern and northeastern stations, and in some parts of France and Germany. The greatest falls, however, were in the north and east of Great Britain. Bright sunshine was very slight in all districts during yesterday.

SEA

Sea was smooth or slight except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather appears likely to become very fair except in the north. Haze or fog is probable in the south.

FORECASTS

For the 24 hours ending at NOON on APRIL 2ND 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Westerly and Southwesterly winds, fair at times.
1	SCOTLAND EAST	Southwesterly breezes, moderate to light; slight showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	Southwesterly and Westerly breezes, light; fair, hazy.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0
7	ENGLAND N.W.	Same as Nos: 1 and 2.
8	ENGLAND S.W.	Southwesterly breezes, light; fair, foggy.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

None Issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·20	40	35	N	4	b	2
Sumburgh Head	30·06	39	35	SE	4	c	5
Stornoway	29·81	45	44	SSW	3	o	3
Aberdeen							
Shields							
Ardrossan	29·98	42	42	NNE	2	d	2
Malin Head ...	29·91	49	48	WSW	6	o	3
Belmullet	30·12	52	52	NW	5	om	*
Holyhead	30·10	52	50	WSW	3	om	2
Valencia							
Scilly							
Jersey	30·29	52	51	W	3	f	3
Hurst Castle ...	30·18	50	49	WSW	3	om	2
Dungeness ...	30·12	49	48	WSW	4	o	3
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·31	55	53	NW	2	o	*

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

Weather in morning fair over southwestern and also over southeastern Europe, dull in our Islands and the north of France, and foggy in many places; dull and raining in the northwest and north, snow at Nairn, Aberdeen and Leith. Considerable rain in Scotland later, and smaller quantities in Ireland, the west and south of England, and in some parts of Germany, fog continuing in the south.

Temperature in morning. Highest 66° at Barcelona, 55° at Biarritz, 53° in the south of Ireland and 50° at Scilly and Holyhead. Lowest 19° at Archangel, 23° at Hefotarda, 32° at Karlstadt, 33° at Breslau; 33° to 38° at the Scotch stations, rising later to between 60° and 61° in some places in England and the southeast of Ireland, and weather remaining mild in the south of England all night.

Wind (1) Northwesterly to Northeasterly over southeastern and southern Europe, and the Mediterranean; (2) Westerly and light over the south of our Islands, but Southeasterly in the east and north.

Barometer Highest 30·3 ins: and more in an anticyclone of irregular form covering the western and central parts of France and Belgium. Lowest 29.4 ins: and less to 29.5 ins: over the west of Russia, the Gulf of Finland, and the northern parts of Finland to 30·0 ins: and less in a depression off our northwest coasts, and below 30.2 ins: in a subsidiary disturbance lying slightly to the westward of the Strait of Dover. Distribution very complex over northeastern and northwestern Europe. Falling later in the north and east of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.84	16	L	0	b	29.62	−.21	19	19	+ 4	E	2	s	*	b	*	33	14	—
	Hernösand ...	29.67	35	S	4	o	29.29	−.66	33	32	+ 4	S	2	o	*	o	*	37	19	0.20
	Stockholm ...	29.80	34	NW	4	o	29.45	−.60	36	35	+ 5	WSW	2	o	*	o	*	39	27	0.04
	Wisby	29.97	35	WNW	4	b	29.57	−.49	36	35	+ 4	SW	6	o	*	b	*	37	28	0.08
	Karlstad ...	29.70	33	SW	6	s	29.49	−.59	37	35	+ 8	NW	2	b	*	s	*	*	*	0.04
	Bodö	29.56	29	E	4	o	29.42	−.46	30	27	+ 7	E	5	o	2	o	*	32	25	—
	Christiansund ...	29.87	35	WSW	4	r	29.65	−.17	41	34	+ 9	WNW	3	be	5	r	*	41	28	0.28
	Skudesnaes ...	29.60	43	WNW	4	f	29.76	−.12	40	39	+ 5	NNW	6	be	2	r,f	*	43	32	*
	Færder (Christiania Fjord)	29.61	35	S	6	r	29.56	−.46	37	36	+ 2	W	4	o	4	r	*	37	34	0.12
	Skagen (The Scaw)	29.67	39	SSW	5	r	29.61	−.47	41	40	+ 6	WNW	5	mw	1	r	*	43	34	0.12
	Fanö	29.86	42	SW	4	o	29.89	−.19	42	42	+ 7	W	4	b	*	o	*	43	34	0.16
	Sumburgh Head	29.95	45	W	5	b	29.93	+.48	39	37	− 8	N	2	c	4	b	*	49	34	0.03
	Stornoway ...	29.77	48	NW	4	c	29.93	+.27	41	40	− 9	L	0	o	0	c	00	51	37	0.05
	Wick	29.70	47	W	4	r	29.98	+.37	53	51	0	W	1	be	1	r	*	58	35	0.20
	Nairn	29.77	51	W	3	c	29.98	+.31	45	42	− 7	L	0	be	1	c	*	58	37	—
	Aberdeen ...	29.73	56	WSW	5	b	30.00	+.26	44	40	− 7	NNW	1	o	1	cq.b	6.4	63	39	—
	Leith	29.86	51	W	4	o	29.91	+.06	51	48	0	WSW	1	o	*	o	*	55	46	—
	Shields	29.93	54	WSW	2	c	30.03	+.10	52	49	+ 1	WSW	2	c	2	c	*	50	46	—
	Spurn Head ...	29.99	49	WNW	3	c	30.06	+.05	47	46	− 1	WSW	2	cw	2	c	*	54	43	—
	York	30.02	53	W	3	c	30.06	+.05	53	51	+ 2	WSW	1	b	*	c	0.1	57	46	—
	Loughborough ...	30.03	60	W	2	b	30.10	+.01	43	43	− 8	SE	1	omw	*	c,bm,cf	*	66	40	—
British Islands.	Ardrossan ...																*			
	Malin Head ...	29.94	49	W	4	o8w	29.95	+.02	50	49	+ 2	S	3	mng	2	o	*	50	47	0.02
	Belmullet ...	30.04	50	SW	5	o	30.02	−.03	50	50	0	SW	4	o	*	o	*	52	48	0.01
	Donaghadee ...	30.00	55	WSW	4	cq	30.00	−.02	49	48	− 2	SW	3	o	3	c	*	50	47	—
	Liverpool (Bidston)	30.05	48	W	4	bc	30.06	−.02	49	47	− 2	E	2	o	?	be	*	54	47	—
	Holyhead ...	30.08	48	SW	2	f	30.05	−.05	48	47	− 3	S	2	f	1	bcp.f	*	53	46	—
	Parsonstown ...	30.06	59	W	1	fc	30.02	−.10	51	50	+ 1	L	0	o	*	c.r	1.7	60	48	—
	Valencia ...	30.08	53	S	1	omw	30.01	−.15	50	49	+ 1	S	2	omw	3	c,omw	2.4	59	48	0.03
	Roche's Point ...	30.11	52	SW	3	c	30.06	−.10	50	50	+ 2	SW	3	f	3	c.f.m	*	54	47	—
	Pembroke (St. Ann's Hd.)	30.12	48	W	3	f	30.09	−.06	49	48	0	SW	4	o	3	f	0.0	50	47	—
	Scilly	30.16	54	SSW	1	f	30.09	−.10	48	48	− 3	SSE	1	fw	2	f	0.0	56	47	0.01
	Prawle Point ...	30.17	50	WSW	3	f	30.13	−.06	46	46	− 1	WSW	1	m	1	f.m	*	51	44	0.02
	Jersey (St. Aubin's)	30.21	53	WNW	3	f	30.16	−.07	53	53	+ 2	SSW	3	f	3	f	*	54	49	0.01
	Hurst Castle ...	30.15	47	SW	3	f	30.13	−.04	49	48	0	SW	2	of	2	cm.f	*	53	46	—
	Dungeness ...	30.09	48	SW	4	mw	30.13	.00	48	48	− 2	WSW	2	mw	1	m.f	*	53	46	0.01
	North Foreland																*			
	London (Brixton) ...	30.08	59	S	2	bc	30.14	−.01	49	47	− 2	SSW	1	o	*	cp	0.9	66	48	—
	Oxford	30.11	54	WSW	1	b	30.12	−.03	48	47	0	SSW	2	o	*	c,f.b	*	65	46	—
	Cambridge ...	30.05	59	SW	1	o	30.11	−.01	48	48	− 2	SW	2	omw	*	o	1.3	62	42	—
	Yarmouth ...	30.03	56	W	3	bc	30.05	−.01	50	49	+ 1	SSW	2	bcm	2	bc	*	59	45	—
Germany & Holland.	Cuxhaven ...	30.00	43	S	3	o	29.94	−.19	44	44	+ 9	W	3	o	*	o	*	45	34	—
	Berlin	30.12	45	SW	2	o	29.99	−.17	49	48	+ 14	WSW	3	o	*	o	*	50	35	—
	Wiesbaden ...	*	*	*	*	*	30.13	−.01	48	46	+ 6	L	0	bc	*	*	*	50	42	—
	Munich	30.24	42	SE	2	o	30.22	+.09	48	47	+ 12	SW	3	o	*	o	*	48	36	0.12
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*	30.15	+.02	47	47	− 1	W	2	r	*	o	*	57	41	—
	Cape Gris Nez ...	?	47	SW	4	f	?	?	47	46	− 1	W	1	f	1	f	*	52	43	0.08
	Paris	30.21	55	SSW	1	o	30.20	−.02	43	43	− 8	L	o	f	*	o	*	56	39	—
	Brest	30.15	48	SE	1	m	30.12	−.11	46	46	− 2	SSE	1	o	3	m	*	52	43	—
	Lorient	30.21	48	L	o	mw	30.18	−.06	50	50	+ 6	SE	3	m	4	m	*	57	44	—
France &	Rochefort ...	30.16	55	N	1	b	30.10	−.14	50	48	+ 1	E	3	b	*	b	*	68	46	—
	Belfort	30.19	53	W	3	f	30.19	+.04	46	45	− 1	ESE	2	f	*	f	*	55	40	—
	Lyons	30.18	60	N	1	b	30.22	.00	50	48	− 1	NW	1	b	*	b	*	67	43	—
	Nice	30.07	53	L	o	b	30.15	+.15	53	50	+ 3	E	1	b	1	b	*	59	46	—
	Perpignan ...	30.09	71	NW	2	b	30.19	+.05	53	50	− 8	L	o	b	*	b	*	?!	46	—
	Biarritz ...	30.06	74	ENE	4	b	30.05	−.14	56	54	+ 8	ESE	1	b	2	b	*	75	48	—
Penin-sula.	Corunna ...	30.12	61	NW	1	f	30.18		55	54		N	1	f	?	f	*	68	50	—
	Lisbon	30.12	64	SW	3	b	30.14	+.01	61	55	− 2	N	2	b	*	b	*	79	57	0.19
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

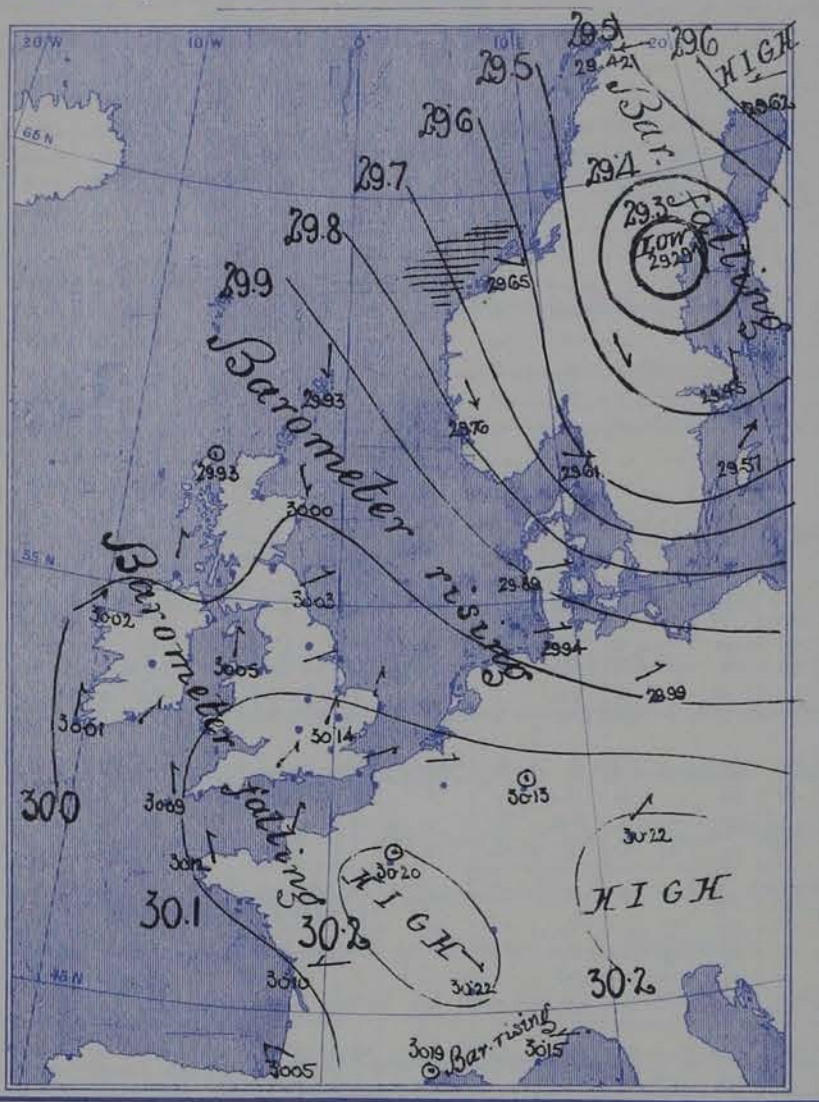
Bright Sunshine yesterday Southport 6.2 *hrs;*

WEATHER CHARTS

FOR Sunday, 2nd April, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟫⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF APRIL.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·22 in: at Lyons and Munich: 30·1 in: and upwards over nearly the whole of Spain, France, South Germany, Belgium, and the south of England.
Lowest, 29·3 in: and less, in a well marked depression over the central parts of Sweden
Gradients slight over Western Europe as a whole, but moderate over Scandinavia and Denmark.
Barometer falling a little in the western part of our Islands and France and more rapidly in Sweden: rising elsewhere.

TEMPERATURE

Highest (1) 61° at Lisbon, 56° at Biarritz, and 58° at Nice and Perpignan: (2) 53° at Wick and York, and 52° at Shields.
Lowest, 19° at Haparanda, 30° at Bodö, 33° at Hernösand and 36° at Stockholm and Wisby: lowest in our Islands 39° at Lerwick Hd.
During yesterday the thermometer rose to 60° and upwards in several parts of the United Kingdom, to 65° at Oxford, and to 66° at Loughborough and in London.

WIND

Light from the S. or SW. over the greater part of Ireland and England, but calm and variable in Scotland.
Light to fresh from the E. in the north of Scandinavia, from the NW. in the west and south of Norway and from the W. over Germany, Denmark and the Netherlands.
E. or SE. in the west of France: variable in the central part of that country.

WEATHER

Fine at several of our own northern and eastern stations, and also over the western parts of the Continent generally.
Cloudy, or dull elsewhere with fog or mist on our own west and south coast, and also in the west of France: rain is falling at Borkum, and snow at Haparanda.
Slight rain fell yesterday in several parts of Ireland and England, and also in the north of Scotland, and larger quantities on the eastern shores of the North Sea.

SEA

Slight or smooth generally, but rather rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 3rd April 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.67	38	37	S	8	r	4
Sumburgh Head	29.44	47	47	W	4	o	5
Stornoway	29.69	51	50	WNW	5	o	5
Aberdeen	29.71	61	53	SW	5	cq	3
Shields	29.93	56	52	WSW	3	o	2
Ardrossan							
Malin Head ...	29.93	49	49	WSW	4	c	3
Belmullet	30.05	51	50	SW	5	o	*
Holyhead	30.08	53	51	SW	3	bcp	2
Valencia	30.12	55	53	SSE	2	c	4
Scilly	30.17	55	54	SSW	1	of	2
Jersey	30.23	53	53	WSW	3	f	3
Hurst Castle ...	30.15	52	51	WSW	4	cm	2
Dungeness ...	30.12	52	50	SW	3	c	2
North Foreland							
London (Westminster)	30.11	60	55	W	2	c	*
Yarmouth ...	30.04	59	54	W	3	be	3
Rochefort ...	30.20	61	57	SE	1	c	*

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

Weather in morning cloudy or dull over Western Europe generally, with fog or mist over the English Channel and the Bay of Biscay, rain in the Shetlands and Hebrides, and at Spurn Head, and sleet at Skudenaes. Fine in Sweden and also over North Germany, the Spanish Peninsula, and the south of France. Dull in Italy; rain falling at Belfort and snow at Munich, as well as at many of the Russian stations. Slight rain falling later in many parts of Ireland and England, and also in the north of Scotland; larger amount reported in Scandinavia and Denmark.

Temperature risen over Great Britain,—rapidly in the north, fallen in most other countries. Morning readings highest 70° at Barcelona, 64° at Algiers, and 63° at Lisbon; also 55° at many of the Mediterranean and Spanish coast stations. Lowest 15° at Haparanda, 18° at Ukeaby, and 24° at Thorio; below the freezing point at most of the Russian and Scandinavian stations. Rising during day to between 60° and 65° in many parts of the United Kingdom and to 66° in London and at Loughborough; reaching 75° at Biarritz and 78° at Lisbon.

Wind light to fresh from the S.W.ᵈ or W.ᵈ over our Islands and the neighbouring parts of the Continent, S.E.ʳʸ or E.ʳʸ in the west of Norway, with a gale at Skudenaes. N.ʳʸ or N.W.ʳʸ in Finland, Sweden, and the Baltic. Variable over Italy and the south of France; light from the E.ᵈ or N.E.ᵈ over the Spanish Peninsula and the Bay of Biscay. No important change occurring over Western Europe during day.

Barometer highest 30·2 in: and upwards over France and the Bay of Biscay and also over Spain and Morocco. Lowest 29·5 in: and less, in a depression lying off the north of Scotland; 29·7 in: and less, in a shallow disturbance lying over the southwest of Russia. Scotch depression subsequently moving northeastwards, and barometer rising on our own 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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 3rd April, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.46	26	NE	2	s	29.59	-.03	23	22	+4	NW	4	bc	*	s	*	28	9	0.12
	Hernösand ...	29.71	31	NNW	6	b	29.93	+.64	29	26	-4	W	4	b	*	b	*	39	27	-
	Stockholm ...	29.78	38	NNW	4	b	30.05	+.60	33	28	-3	NW	2	b	*	b	*	48	32	-
	Wisby	29.81	36	NNW	4	b	30.08	+.51	34	30	-2	NNE	4	b	*	b	*	44	30	-
	Karlstad ...	29.87	36	NW	2	b	30.10	+.61	33	29	-4	N	2	b	*	b	*	*	*	-
	Bodö	29.64	30	NW	6	s	29.74	+.32	30	27	0	NW	6	c	9	s	*	32	25	-
	Christiansund ...	29.89	37	NNW	5	s	30.01	+.36	35	33	-6	W	2	o	4	s	*	41	34	0.08
	Skudesnaes ...	30.05	37	NNW	4	b	30.06	+.30	36	34	-4	E	2	o	2	b	*	44	32	*
	Færder (Christiania Fjord)	29.87	40	NW	4	b	30.07	+.51	35	32	-2	N	2	bc	1	b	*	43	34	-
	Skagen (The Scaw)	29.90	40	N	2	b	30.05	+.44	39	38	-2	WNW	1	bc	0	b	*	50	34	-
	Fanö	30.07	38	NNW	2	b	*	*	38	37	-4	WNW	1	bc	*	b	*	45	36	-
British Islands.	Sumburgh Head	30.00	40	ENE	1	c	29.78	-.15	43	43	+4	S	3	r	4	c	*	44	37	0.17
	Stornoway ...	29.82	47	SSE	2	o	29.72	-.21	49	48	+8	SW	3	o	3		0.4	49	39	0.08
	Wick ...	29.95	40	W	2	r	29.78	-.20	47	46	-6	S	2	o	1	r	*	55	40	0.35
	Nairn	29.90	45	E	1	o	29.79	-.19	48	47	+3	W	1	c	1	o	*	48	41	0.12
	Aberdeen ...	30.00	41	S	3	o q r	29.84	-.16	44	44	0	S	2	o q r	3	o q r	0.0	46	40	0.17
	Leith	29.94	45	WSW	1	r	29.88	-.13	44	44	-7	Z	0	r	*	r	*	52	41	0.22
	Shields	29.98	47	ESE	1	o p	29.92	-.11	47	46	-5	SSW	2	o	2	o p	*	54	43	0.03
	Spurn Head ...	30.00	46	ESE	4	o	29.99	-.07	48	46	+1	WSW	3	o p	3	o	*	52	44	0.02
	York	30.01	55	S	1	o	29.99	-.07	48	47	-5	SW	1	o	*	o p	0.7	56	47	0.01
	Loughborough ...	30.03	53	SE	1	o	30.05	-.05	48	46	+5	WSW	2	o	*	o m d. o	*	54	43	0.01
	Ardrossan ...																*			
	Malin Head ...	29.90	50	WSW	2	o q m	29.81	-.14	49	49	-1	SW	3	c p m	2	c. o q m	*	51	49	0.09
	Belmullet ...	29.91	51	SW	4	o	29.96	-.06	51	50	+1	W	4	bc	*	o	*	53	43	0.08
	Donaghadee ...	29.95	52	SSW	3	o	29.89	-.11	51	50	+2	WSW	1	b m	1	o	*	55	47	0.02
	Liverpool (Bidston)	30.02	49	NNE	1	o	30.01	-.05	51	48	+2	SSW	2	o	1	o m	*	56	47	-
	Holyhead ...	30.00	49	SW	3	o	29.99	-.06	49	49	+1	SW	3	f a	2	o	*	51	46	0.05
	Parsonstown ...	29.95	55	S	1	c	30.00	-.02	52	50	+1	SW	1	o	*	o c	0.1	57	45	0.05
	Valencia ...	29.96	53	SSE	3	o q	30.06	+.05	52	50	+2	WSW	3	bc	4	c. o q	1.3	54	49	0.10
	Roche's Point ..	30.00	51	SW	3	c q	30.07	+.01	51	49	+1	W	4	b	3	f. c	*	53	48	-
	Pembroke (St. Ann's Hd.)	30.04	48	SW	4	o	30.06	-.03	49	48	0	W	4	c f	4	c. o	1.3	50	47	0.05
	Scilly	30.07	54	SSW	2	o q f	30.14	+.05	53	53	+5	WSW	3	o	2	c. o f	1.5	57	48	0.01
	Prawle Point ...	30.08	46	WSW	2	o	30.16	+.03	48	47	+2	WSW	2	o m	1	o	*	50	45	0.02
	Jersey (St. Aubin's)	30.08	55	W	2	o q f	30.20	+.04	50	50	-3	WSW	3	o m	3	f. a	*	57	47	0.02
	Hurst Castle ...	30.08	49	SSW	3	o	30.13	.00	50	48	+1	WSW	1	o	1	f. c	*	51	47	-
	Dungeness ...	30.08	49	SW	3	c	30.09	-.04	49	47	+1	W	3	o	2	c. f	*	51	46	-
	North Foreland																*			
	London (Brixton) ...	30.08	54	SW	2	b c	30.14	.00	48	46	-1	W	1	o q	*	o. c. o 2	0.8	59	47	-
	Oxford	30.06	53	WSW	1	o	30.10	-.02	49	47	+1	WSW	2	o	*	o	*	57	47	-
	Cambridge ...	30.05	53	Z	0	o	30.08	-.03	49	48	+1	W	2	a	*	o	0.0	56	47	-
	Yarmouth ...	30.03	47	SSE	3	c	30.01	-.04	51	49	+1	W	3	c	3	o	*	54	44	-
Germany & Holland.	Cuxhaven ...	30.05	43	NW	3	c	30.10	+.16	44	44	-3	Z	0	c	*	c. a	*	45	37	-
	Berlin	30.01	49	WSW	3	b	30.13	+.14	39	37	-10	WNW	2	b	*	b	*	57	37	-
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30.16	52	SW	3	b	30.15	-.07	51	49	+3	SW	3	c	*	b	*	61	46	0.04
	The Helder ...	30.08	48	Z	0	o	30.02		46	46		Z	0	r	0	o	*	52	43	0.04
Belgium. France &	Brussels ...	*	*	*	*	*	30.10	-.05	50	50	+3	WNW	1	f	*	o	*	54	46	-
	Cape Gris Nez ..	?	48	SW	2	m	?	?	48	47	+1	NW	4	o	3	m	*	50	45	0.04
	Paris ...	30.06	56	W	1	b	30.13	-.07	46	45	+3	SW	1	bc	*	b	*	69	?	-
	Brest	30.12	50	WNW	1	o	30.20	+.08	51	50	+5	WNW	1	o	1	o	*	52	43	-
	Lorient	30.11	52	W	1	m	30.23	+.05	50	?	0	NW	3	o	3	m	*	59	43	-
	Rochefort ...	30.08	60	NW	1	b	30.20	+.10	52	51	+2	WNW	4	o	*	b	*	72	48	-
	Belfort	30.08	50	Z	0	b	30.17	-.02	52	49	+6	W	2	m	*	b	*	72	45	0.08
	Lyons ...	30.10	65	ESE	1	b	30.20	-.02	51	49	+1	SE	1	b	*	b	*	73	45	-
	Nice	30.17	55	SW	1	b	30.25	+.10	50	48	-3	SE	2	o	0	b	*	64	48	-
	Perpignan ...	30.18	55	E	1	b	30.28	+.09	55	53	+2	SE	1	o	*	b	*	66	48	-
	Biarritz ...	30.12	55	WSW	4	o	30.24	+.19	55	52	-1	W	4	o	2	o	*	64	54	-
Penin-sula.	Corunna ...	30.19	58	W	1	f	30.30		55	52		NW	1	f	2	f	*	?	48	-
	Lisbon	30.15	62	NW	4	b	30.21	+.07	61	57	0	NNE	3	b c	*	b f	*	73	57	-
	Azores (P. Delgada)	30.32	58	W	3	b	30.38		58	55		WNW	3	b c	2	b	*	64	55	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.7 hrs;

WEATHER CHARTS

FOR Monday, 3rd April, 1899.

BAROMETER, WIND AND SEA.

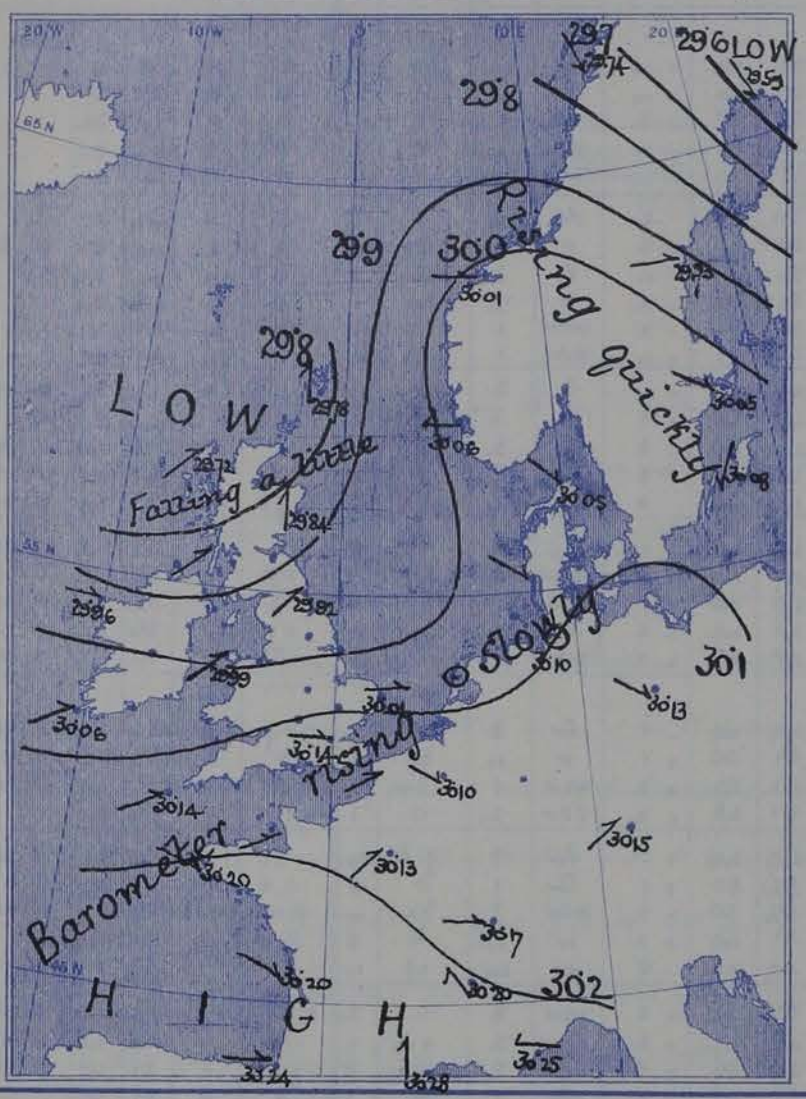
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High

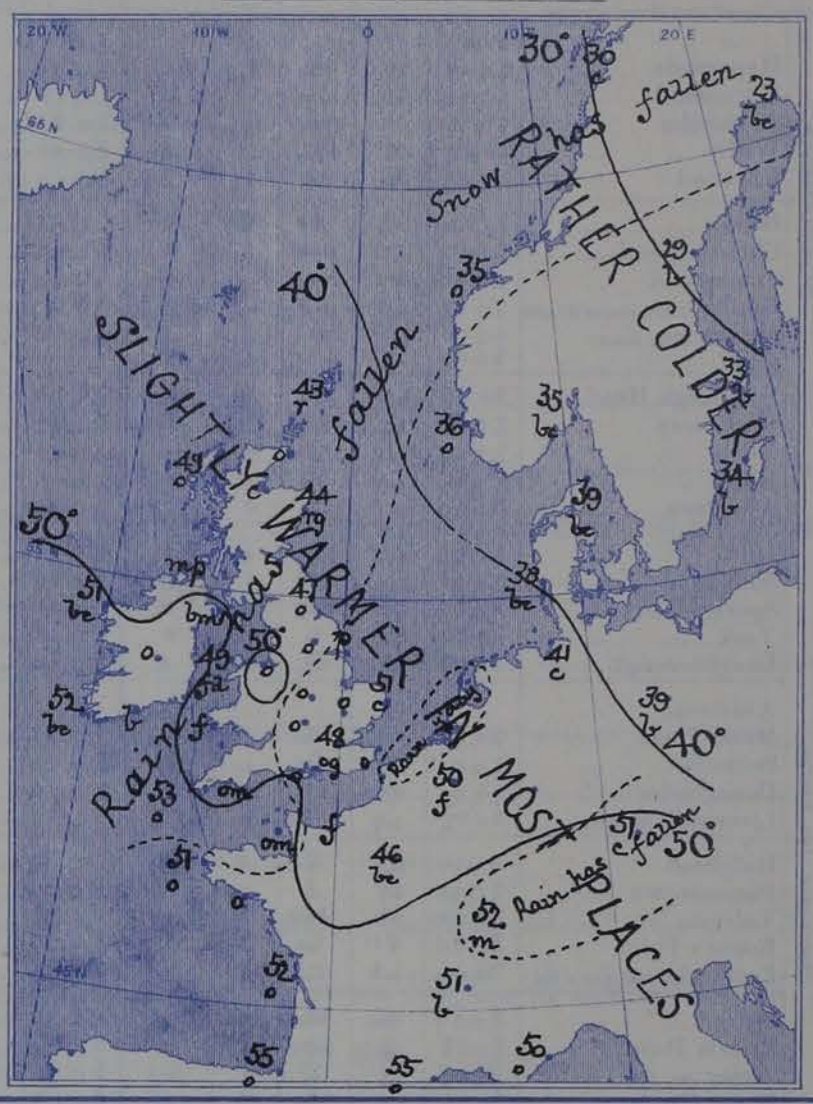


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 · 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 · 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	195 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	*29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in an anticyclone lying over the Spanish Peninsula and the greater part of France.
Lowest, 29·6 in: and less, in Lapland; 29·8 in: and less, in a shallow depression lying over the north of Scotland.
Gradients slight. Barometer falling a little in the northern parts of Great Britain, but rising elsewhere.

TEMPERATURE

Highest, 61° at Lisbon, 55° at Biarritz and Perpignan, 53° at Scilly, and 52° at Queenstown, Valencia (Ireland), Rockport and Belfast.
Lowest, 23° at Haparanda, 29° at Hernösand, 30° at Bodö and 33° at Stockholm and Karlstad.
During yesterday the thermometer rose to 55° and upwards at most of the English and Irish stations, and to 59° in London.

WIND

Light from the S. or SW. over the northern parts of our Islands, but from the W. at many of our southern stations and also in the north and west of France.
W. to NW. over the greater part of Scandinavia, Denmark and North Germany.
Variable over the central and southern parts of France.

WEATHER

Fine in Ireland and also in Sweden, Denmark, Germany and Central France.
Cloudy or dull elsewhere, with fog at Holyhead and Pembroke, and mist at several of the English Channel stations. Rain is falling in many parts of Scotland, and passing showers at Spurn Head.
Rain fell yesterday in the west and north of our Islands generally, but the quantity was mostly slight.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the north of Scotland seems likely to move away to the northward. Over our southern districts the weather will probably remain fair for the present.

FORECASTS

For the 24 hours ending at NOON on 4TH APRIL 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S. and SW. winds, moderate; cloudy, rain at times.
2 ENGLAND N.E.	SW. winds, light; cloudy, some showers.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW. and W. winds, light; fair generally, but cloudy and misty in places.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No 2.
8 ENGLAND S.W.	Same as Nos 3 to 5.
9 IRELAND NORTH 10 IRELAND SOUTH	W. winds, moderate; fine at first, showery later.
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.97	44	40	N	6	b	4
Sumburgh Head							
Stornoway	29.91	46	45	SE	4	dm	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.93	51	51	NNW	2	c	1
Belmullet	29.95	52	50	SW	4	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.14	54	53	SSW	2	f	2
Hurst Castle ...							
Dungeness ...	30.10	50	49	WSW	3	c	2
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.04	70	64	N	1	b	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 26TH MARCH TO THE 1ST APRIL 1899.

During the greater part of the week barometrical pressure was high both over southern and eastern Europe, the winds in those regions being consequently rather variable, and the weather mostly fair and dry. Over the northwestern countries the conditions were affected by several depressions which advanced from the Atlantic, the centres skirting our own extreme northwestern and northern coasts, and afterwards passing across Scandinavia. The prevailing winds over northwestern Europe were therefore SW (S to W) and the weather very changeable, with frequent falls of rain in the west and north of our Islands and snow in Scandinavia. The most important depression of the series was observed on the 28th and 29th when the wind increased to a gale on all our own western coasts; in the rear of this disturbance cold N and NW winds were experienced for a time in Scotland, with snow in places.

Towards the close of the week the high pressures over Eastern Europe gave way while an anticyclone spread temporarily over Great Britain from the southward, a partial improvement in the weather occurring, with fog on many parts of our western and southern coasts. Later on the anticyclone gave way and further depressions began to approach our northern coasts from the westward.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 4th April, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.74	21	Z	0	b	29.72	+.13	18	16	−5	S	2	b	*	b	*	32	18	—
	Hernösand ...	29.93	28	Z	0	b	29.75	−.18	27	24	−2	Z	0	0	*	b	*	41	23	—
	Stockholm ...	30.05	36	Z	0	c	29.93	−.12	41	37	+8	WSW	4	0	*	c	*	43	27	—
	Wisby	30.13	34	W	4	b	30.08	.00	38	33	+4	WSW	4	c	*	b	*	39	30	—
	Karlstad ...	29.99	36	S	2	bc	29.89	−.21	37	35	+4	SW	4	0	*	bc	*	*	*	—
	Bodö	29.75	30	W	4	b	29.58	−.16	31	29	+1	E	2	0	1	b	*	32	28	—
	Christiansund ...	29.80	34	WSW	2	r	29.56	−.45	42	40	+7	WSW	5	0	4	r	*	42	34	0.04
	Skudesnaes ...	30.18	39	S	6	r	29.82	−.24	41	41	+5	S	6	f	4	0,r	*	41	32	*
	Færder (Christiania Fjord)	29.99	37	SSW	4	0	29.86	−.21	39	38	+4	SSW	5	m	3	0	*	43	35	—
	Skagen (The Scaw)	30.05	40	Z	0	bc	29.97	−.08	41	40	+2	SW	3	0	0	bc	*	54	37	—
	Fanö	30.06	42	NW	1	r	30.03	?	42	42	+4	Z	0	0	*	r	*	48	37	0.04
British Islands	Sumburgh Head	29.70	47	WSW	3	0	29.41	−.37	45	43	+2	S	4	0	6	0	*	48	40	0.12
	Stornoway ...	29.79	50	WSW	3	c	29.36	−.36	51	49	+2	W	4	r	4	0.c	3.1	53	45	0.05
	Wick	29.80	54	W	2	bc	29.43	−.35	48	47	+1	S	4	0	3	bc	*	58	42	0.02
	Nairn	29.84	52	W	1	c	29.43	−.36	54	53	+6	W	3	c	3	c	*	58	44	—
	Aberdeen ...	29.82	56	W	3	bc	29.53	−.27	46	45	+2	S	6	ogq	4	bc, r	4.5	60	42	0.14
	Leith	29.90	51	W	3	c	29.65	−.23	54	50	+10	SW	6	0	*	c	*	57	43	0.02
	Shields	29.94	54	SW	1	c	29.85	−.07	48	47	+1	SSW	3	r	2	c	*	60	44	0.04
	Spurn Head ...	29.98	49	W	4	c	29.97	−.02	49	46	+1	SW	4	op	4	c	*	55	44	0.02
	York	29.99	53	W	2	c	29.96	−.03	47	47	−1	S	1	r	*	0.c,r	0.7	58	44	0.09
	Loughborough ...	30.06	54	W	1	c	30.05	.00	49	47	+1	S	2	opw	*	ep.bc.0	*	64	47	0.02
	Ardrossan ...																*			
	Malin Head ...	29.94	49	W	4	bc	29.62	−.19	51	48	+2	SW	6	omrq	3	bc	*	51	49	0.03
	Belmullet ...	29.98	51	WNW	4	0	29.78	−.18	51	49	0	WSW	7	0	*	bc.0	*	53	49	0.12
	Donaghadee ...	30.00	54	W	3	ep	29.75	−.14	53	53	+2	S	3	0	3	ep	*	55	49	0.10
	Liverpool (Bidston)	30.04	52	WSW	3	bc	29.93	−.08	53	50	+2	SW	4	r	3	p.bc	*	58	48	0.08
	Holyhead ...	30.06	51	WSW	3	c	29.92	−.07	50	49	+1	SW	5	rf	4	bc.c	*	55	47	0.23
	Parsonstown ...	30.08	54	SW	1	c	29.90	−.10	54	52	+2	W	2	0	*	c	4.2	57	49	0.05
	Valencia ...	30.09	53	S	3	0	30.00	−.06	54	52	+2	SW	5	omr	5	c.0	7.3	57	51	0.09
	Roche's Point ..	30.12	55	WSW	4	bc	30.01	−.06	54	52	+3	WSW	5	c	4	bc	*	59	50	—
	Pembroke (St. Ann's Hd.)	30.13	49	W	4	b	30.00	−.06	50	50	+1	SW	6	fq	4	b	6.9	51	49	0.05
	Scilly	30.22	53	W	3	0	30.14	.00	53	52	0	SW	5	f	2	0	7.0	56	50	—
	Prawle Point ...	30.19	50	W	3	bc	30.20	+.04	50	49	+2	WSW	4	omr	3	bc	*	54	47	0.01
	Jersey (St. Aubin's)	30.23	54	W	4	bc	30.30	+.10	51	50	+1	SW	3	omr	3	og.bc	*	55	49	0.01
	Hurst Castle ...	30.15	51	WSW	3	c	30.19	+.06	50	49	0	SW	4	cmr	3	cm.c	*	53	45	0.01
	Dungeness ...	30.10	48	WSW	4	f	30.18	+.09	48	47	−1	SW	4	0	3	bc.f	*	53	44	—
	North Foreland																*			
	London (Brixton) ...	30.11	58	W	4	b	30.16	+.02	50	48	+2	W	2	bc	*	0.b	1.7	61	45	—
	Oxford	30.14	51	WSW	3	b	30.12	+.02	50	47	+1	S	3	0	*	0.b	*	61	47	—
	Cambridge ...	30.06	57	W	2	c	30.11	+.03	50	48	+1	SW	4	0	*	c	2.8	62	43	—
	Yarmouth ...	30.02	49	S	2	bc	30.07	+.06	52	49	+1	WSW	4	bc	3	bc	*	55	45	0.04
Germany & Holland	Cuxhaven ...	30.03	43	ESE	1	0	30.07	−.03	45	44	+4	SW	1	0	*	0	*	46	41	—
	Berlin	30.08	50	SE	1	0	30.11	−.02	45	42	+6	SE	2	c	*	0	*	54	39	0.04
	Wiesbaden ...	*	*	*	*	*	30.20		50	49		NW	1	c	*	*	*	66	50	—
	Munich	30.12	51	SW	4	b	30.20	+.05	45	45	−6	NW	4	r	*	b	*	64	45	0.35
	The Helder ...	30.03	46	WSW	1	0	30.07	+.05	48	46	+2	WSW	1	b	1	c	*	48	45	—
Belgium.	Brussels ...	*	*	*	*	*	30.22	+.12	49	48	−1	SW	3	c	*	c	*	55	46	—
	Cape Gris Nez ...	?	48	W	5	f	?	?	48	47	0	WSW	3	m	3	f	*	50	45	—
	Paris	30.20	53	NW	3	0	30.30	+.17	51	48	+5	W	1	c	*	0	*	59	46	—
	Brest	30.28	54	WNW	2	0	30.28	+.08	52	50	+1	W	2	0	3	0	*	57	48	—
	Lorient	30.30	53	W	4	0	30.33	+.10	52	50	+2	W	2	c	2	0	*	59	45	—
France &	Rochefort ...	30.28	54	NW	3	0	30.32	+.12	54	52	+2	NW	2	0	*	0	*	61	48	—
	Belfort	30.05	58	S	4	0	30.28	+.11	45	45	−7	W	2	m	*	0	*	70	45	0.24
	Lyons	30.28	65	WNW	3	0	30.34	+.14	49	47	−2	N	1	r	*	0	*	72	48	—
	Nice	30.17	50	Z	0	f	30.05	−.20	51	50	+1	E	1	c	2	f	*	55	48	0.04
	Perpignan ...	30.23	63	NW	2	0	30.29	+.01	57	50	+2	NW	4	0	*	0	*	70	55	—
	Biarritz ...	30.31	55	NNW	3	0	30.35	+.11	55	50	0	Z	0	0	1	0	*	59	52	—
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.47	59	SW	3	c	30.49	+.11	57	55	−1	SW	2	bc	2	c	*	66	54	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.8 hrs.

WEATHER CHARTS

FOR Tuesday, 4th April, 1899.

BAROMETER, WIND AND SEA.

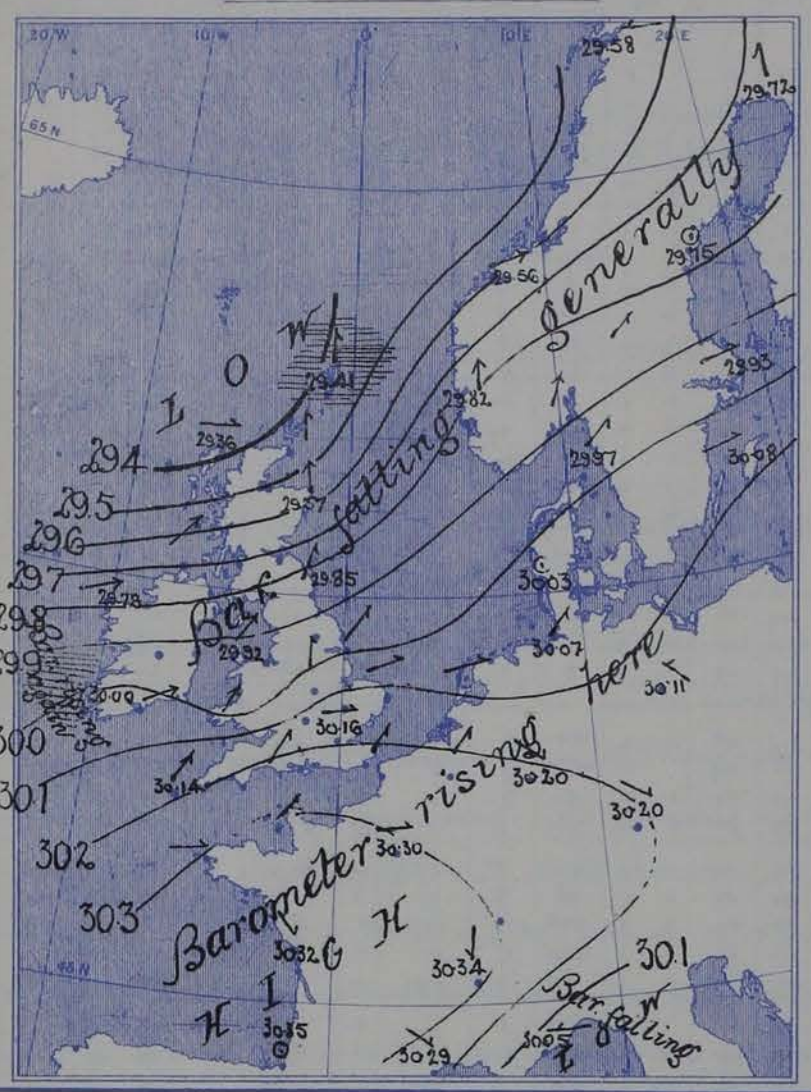
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⇉ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

Force 8 to 10 ⟶ ;

SEA—Rough ▤ ; *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 · 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards in an anticyclone lying over France.
Lowest 29.4 ins. and less in a depression lying off the N. of Scotland.
Gradient rather steep over the N^rn. parts of our Islands and the North Sea but moderate or slight elsewhere.
Barometer falling in most parts of the United Kingdom and also in Scandinavia and Denmark, but rising again at Valencia (Ireland).

TEMPERATURE

Highest (1) 57° at Perpignan, and 55° at Biarritz, (2) 54° at Nairn, Leith, Parsonstown, Valencia (Ireland) and Rockes Point.
Lowest 18° at Haparanda, 27° at Hernösand, 31° at Bodö, and 37° at Karlstad; lowest in our Islands 45° at Sumburgh Head.
During yesterday the thermometer rose to 60° and upwards in several parts of Gt. Britain and to 64° at Loughborough.

WIND

S. or SW. over northwestern Europe generally, and fresh to strong in force on many parts of our own western and northern coasts, as well as in the west of Norway.
Light from the W^nd. or NW^nd. over France and the western and southern parts of Germany.

WEATHER

Cloudy or dull over nearly the whole of our area, with fog or mist on many parts of our own W^rn. and S^rn. coasts and also off the S. of Norway.
Rain was falling over the N^rn. parts of England and Wales, as well as at Stornoway and Malin Head, and at Munich and Lyons.
Since yesterday morning a little rain has fallen in most parts of the United Kingdom, and also at a few of the Continental stations.

SEA

Rough at Sumburgh H^d. and rather rough at Valencia (Ireland), but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the N. seems likely to travel away in a N. or NE. direction. A small secondary system is, however, lying over Wales, and as this moves E^wds. it will probably cause rain over our E^rn. and S^rn. counties.

FORECASTS

For the 24 hours ending at NOON on 5TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. to SW. winds, strong in places, squally, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW. winds, moderate or fresh, some rain at first, then fair.
3	ENGLAND EAST	SW. winds, freshening; changeable, some showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	SW. winds, fresh or strong, squally, showery, foggy in places.
8	ENGLAND S.W.	
9	IRELAND NORTH	SW. and W. winds, strong; squally, showery.
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·02	39	36	S	4	o	3
Sumburgh Head	29.72	47	47	SW	2	o	4
Stornoway	29.76	52	50	WNW	4	o	4
Aberdeen	29.79	58	53	SW	3	bc	3
Shields	29.90	58	52	SW	1	c	2
Ardrossan							
Malin Head ...	29.93	50	48	W	3	bc	2
Belmullet	30·01	53	49	WNW	4	bc	*
Holyhead	30·04	55	52	WSW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·11	56	52	SSW	3	c	4
Scilly	30·20	55	53	W	3	o	2
Jersey	30·24	53	52	W	4	og	3
Hurst Castle ...	30·15	53	51	WSW	4	cm	3
Dungeness ...	30·09	52	50	WSW	4	bc	3
North Foreland							
London (Westminster)	30·10	59	52	WSW	3	c	*
Yarmouth ...	30·02	54	50	WNW	3	bc	2
Rochefort ...	30·24	55	52	NW	3	o	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

Subscriptions both for the Daily *and* Week'y Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 5th April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.43	29	S	6	s	29.23	−.49	31	30	+ 13	ENE	2	s	*	s	*	31	9	0.20
	Hernösand ...	29.43	41	Z	0	0	29.13	−.62	37	37	+ 10	S	2	o	*	o	*	43	18	0.08
	Stockholm ...	29.75	43	WSW	2	o	29.42	−.51	42	42	+ 1	S	4	o	*	o	*	48	36	0.16
	Wisby	29.90	41	WSW	4	b	29.59	−.49	43	42	+ 4	SSW	8	r	*	b	*	46	32	0.08
	Karlstad ...	29.65	40	SSW	2	r	29.36	−.53	40	39	+ 3	SSW	4	o	*	r	*	*	*	0.16
	Bodö	29.31	32	NE	4	bc	29.08	−.50	34	32	+ 3	NE	4	o	1	bc	*	34	28	—
	Christiansund ...	29.21	41	WSW	1	o	28.89	−.67	45	40	+ 3	WSW	1	o	3	o	*	45	41	0.04
	Skudesnaes ...	29.42	43	SSW	6	r	29.19	−.53	42	42	+ 1	WSW	8	r	5	f.r	*	43	39	*
	Færder (Christiania Fjord)	29.59	40	SW	4	r	29.23	−.53	40	39	+ 1	SW	6	m	4	r	*	40	37	0.12
	Skagen (The Scaw)	29.66	44	S	3	r	29.49	−.48	43	42	+ 2	WSW	4	m	1	r	*	48	41	0.20
	Fanö	29.74	43	SW	6	r	29.68	−.35	43	41	+ 1	WSW	4	b	*	r	*	46	41	0.12
	Sumburgh Head	29.10	46	WSW	4	o	29.17	−.34	45	44	0	W	5	o	6	bc, o	*	50	42	0.24
	Stornoway ...	29.18	48	WSW	5	o	29.55	+.19	46	43	− 5	NW	7	b	7	oq	4.2	53	40	0.20
	Wick	29.20	48	W	7	bc	29.47	+.04	47	44	− 1	NW	8	bcw	3	bc	*	50	43	0.03
	Nairn	29.29	48	WSW	5	o	29.56	+.13	45	43	− 9	W	4	o	3	o	*	60	41	0.15
	Aberdeen ...	29.38	50	SW	6	bq	29.61	+.04	49	42	+ 3	W	7	bq	4	bcq, bq	4.6	58	44	—
British Islands	Leith	29.54	46	W	5	bc	29.77	+.12	48	43	− 6	W	5	b	*	bc	*	57	40	0.05
	Shields	29.66	54	SW	4	bc	29.84	−.01	46	43	− 2	WSW	5	b	2	r, c, bc	*	60	42	0.02
	Spurn Head ...	29.80	52	W	4	b	29.96	−.01	47	43	− 2	W	6	b	4	r, b	*	55	44	0.04
	York	29.79	56	W	4	b	29.99	+.03	48	43	+ 1	W	4	b	*	p, b	2.5	59	41	0.04
	Loughborough ...	29.90	56	WSW	5	b	30.08	+.03	48	43	− 1	W	7	bq	*	ob, c, b	*	60	43	0.02
	Ardrossan ...																*			
	Malin Head ...	29.60	45	W	8	crq	29.86	+.24	45	43	− 6	W	6	orq	6	c, rq	*	51	41	0.17
	Belmullet ...	29.86	50	W	9	bc	30.00	+.22	49	46	− 2	WSW	6	o	*	bc	*	53	44	0.05
	Donaghadee ...	29.75	55	W	6	bcq	30.00	+.25	47	44	− 6	WNW	3	om	3	bcq	*	57	44	0.07
	Liverpool (Bidston)	29.87	52	WSW	6	bc	30.10	+.17	48	44	− 5	WSW	7	c	7	r, bc	*	58	45	0.01
	Holyhead ...	29.92	50	WSW	4	cp	30.13	+.21	48	45	− 2	WSW	6	c	5	cmp	*	55	45	0.02
	Parsonstown ...	29.97	51	W	3	c	30.15	+.25	48	45	− 6	SW	1	o	*	cq	5.4	57	43	0.02
	Valencia ...	30.13	52	WSW	7	bcw	30.22	+.22	51	48	− 3	SW	4	omq	6	bcm	5.8	56	48	0.01
	Roche's Point ...	30.09	55	NW	6	bc	30.23	+.22	50	47	− 4	W	4	c	3	bc	*	58	45	—
	Pembroke (St. Ann's Hd.)	30.06	50	W	6	c	30.26	+.26	49	47	− 1	W	5	c	4	c	1.3	51	47	—
	Scilly	30.19	53	W	6	o	30.33	+.19	51	48	− 2	W	5	c	4	o, om	2.2	56	47	—
	Prawle Point ...	30.15	50	WSW	4	c	30.35	+.15	49	47	− 1	W	4	bc	3	fd, c	*	53	44	0.02
	Jersey (St. Aubin's)	30.22	52	WSW	3	fr	30.40	+.10	52	49	+ 1	W	4	bm	3	qq, rf, b	*	54	46	0.01
	Hurst Castle ...	30.08	50	WSW	5	fw	30.29	+.10	49	47	− 1	WSW	3	bcm	3	dm, fw	*	51	46	—
	Dungeness ...	30.02	49	SSW	6	r	30.22	+.04	49	47	+ 1	W	5	b	4	r, f	*	53	44	0.04
	North Foreland																*			
	London (Brixton) ...	30.00	54	WSW	3	o	30.22	+.06	50	45	0	WNW	4	b	*	o, r, bc	0.4	56	43	0.07
	Oxford	30.02	50	SW	3	c	30.21	+.09	48	44	− 2	WSW	4	b	*	p, c	*	56	42	0.07
	Cambridge ...	29.94	55	SW	5	o	30.14	+.03	49	45	− 1	WSW	4	b	*	opq	0.0	57	43	0.02
	Yarmouth ...	29.89	55	WSW	4	c	30.04	−.03	50	45	− 2	W	6	bcq	3	r, c	*	57	42	0.06
Germany & Holland	Cuxhaven ...	29.97	52	SW	4	o	29.96	−.11	46	43	+ 1	WSW	5	cpq	*	opq	*	52	45	—
	Berlin	30.13	51	SW	3	b	29.90	−.21	48	47	+ 3	SW	5	r	*	b	*	55	45	0.12
	Wiesbaden ...	*	*	*	*	*	30.12	−.08	51	49	+ 1	WSW	1	c	*	*	*	59	48	0.24
	Munich	30.29	45	SW	4	bc	30.26	+.06	44	43	− 1	SW	4	r	*	bc	*	52	39	0.87
	The Helder ...	29.91	46	SW	5	r	29.97	−.10	47	44	− 1	WSW	6	b	5	r	*	52	46	0.16
Belgium.	Brussels ...	*	*	*	*	*	30.23	+.01	48	45	− 1	WSW	5	b	*	r	*	56	43	0.16
	Cape Gris Nez ...	?	49	WSW	5	f	?	?	47	44	− 1	WNW	6	bc	6	f	*	52	41	0.12
	Paris	30.23	60	SW	2	o	30.34	+.04	50	47	− 1	W	3	m	*	o	*	64	48	—
	Brest	30.32	52	W	3	f	30.44	+.16	49	47	− 3	NNW	1	b	1	f	*	54	45	—
	Lorient	30.30	53	W	5	r	30.41	+.08	48	47	− 4	NNW	2	b	2	r	*	59	46	0.04
France	Rochefort ...	30.34	55	WNW	3	o	30.46	+.14	53	51	− 1	NW	3	o	*	o	*	61	50	0.04
	Belfort	30.29	53	W	2	o	30.33	+.05	46	46	+ 1	W	4	o	*	o	*	60	45	0.16
	Lyons	30.29	57	NNW	2	c	30.39	+.05	50	50	+ 1	NNW	1	r	*	c	*	69	48	0.04
	Nice	30.06	55	Z	0	c	30.17	+.12	54	47	+ 3	E	2	c	1	c	*	63	48	—
	Perpignan ...	30.25	61	NW	4	b	30.34	+.05	57	50	0	NW	4	o	*	b	*	68	54	—
	Biarritz ...	30.38	55	N	3	o	30.43	+.08	53	51	− 2	E	3	c	2	o	*	59	50	—
Penin-sula.	Corunna ...																*			
	Lisbon	30.25	65	N	4	b	30.26	+.05	68	57	+ 7	NNE	3	b	*	b	*	79	57	—
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 2.0 hrs;

WEATHER CHARTS

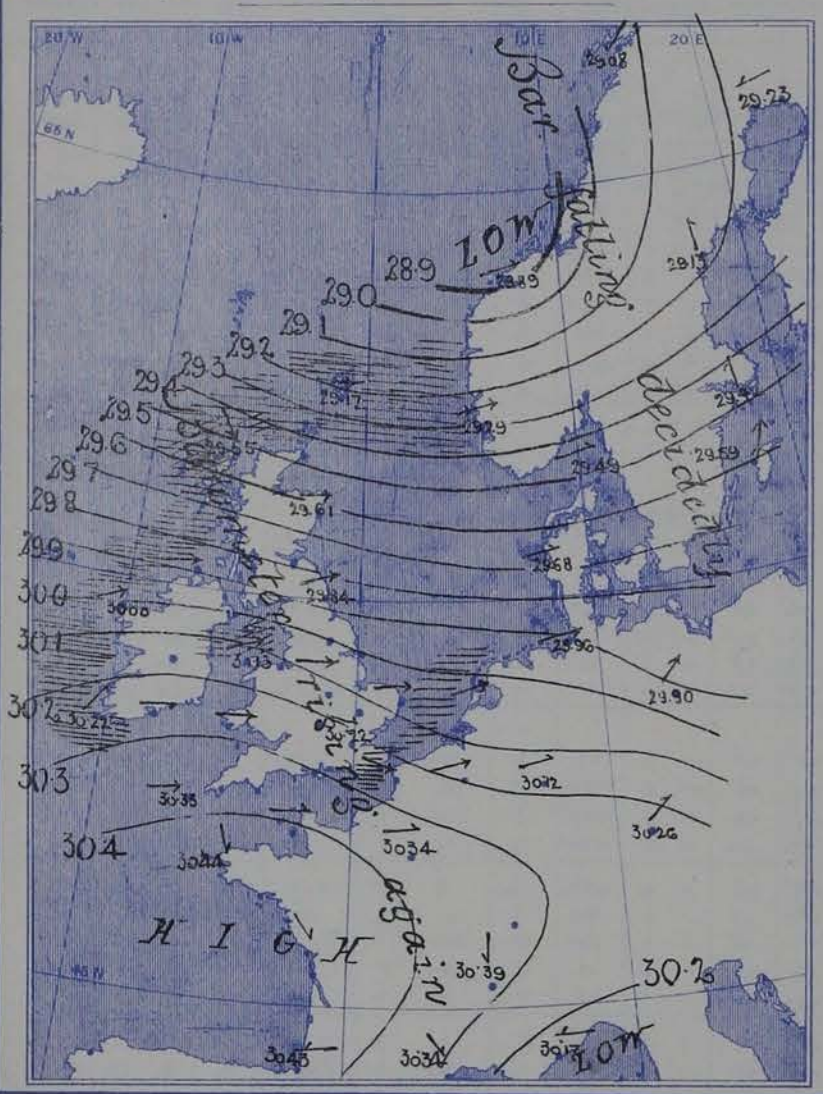
FOR Wednesday, 5th April, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟫⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

SEA—Rough ▤ ; *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1 63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1 21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1 96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1 46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54 0	37·5	78	1893	22	1881, 91	1 68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44 2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44 8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42 0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155 8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185 9	45
Scilly	29·872	48·8	46 8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44 9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29 901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152 1	37
Cambridge	29·904	45 7	43·0	56·7	37·1	84	1893	21	1878	1·56	157 7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.4 ins. and upwards in an anticyclone with its central portion over the Bay of Biscay and the western parts of France.
Lowest 28.9 ins. and less in a depression lying off the W. of Norway.
Gradients steep or rather so over all the more N^rn. parts of our area, moderate or slight elsewhere.
Barometer rising in most parts of our Islands and France; falling in Scandinavia, Denmark and Germany.

TEMPERATURE — Highest (1) 57° at Perpignan, 54° at Nice, and 53° at Biarritz; (2) 52° at Jersey, and 51° at Valencia (Ireland) and Scilly.
Lowest 31° at Haparanda, 34° at Bodo 37° at Hernosand, and 40° at Karlstad and Faerder; lowest in our Islands, 45° at Dunbeugh Hd. Nairn and Malin Hd.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, and to 60° at Nairn, Shields and Loughborough.

WIND — W. or SW. over northwestern Europe as a whole, and strong in force at most of the northern stations. In the north of Scotland there was a gale from the NW^wd., and at Shoeburyness and Wisby from the SW^wd. E. or NE. in the north of Scandinavia.
Light from the NW^wd. in the west and south of France.

WEATHER — Fine in most parts of Gt. Britain, the Netherlands and the N. of France. A solar halo is reported at Oxford.
Cloudy or dull elsewhere, with rain at several stations in Germany, central France and the S. of Scandinavia, and with snow at Haparanda.
Since yesterday morning rain has fallen in nearly all parts of W^rn. Europe, the amounts being mostly slight, but rather large (0.9 in.) at Munich.

SEA — High at Stornoway and Liverpool, and rough or rather so on our extreme W^rn. and N^rn. coasts generally, as well as at the Helder and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression in the N. is moving eastwards towards Scandinavia. In the W. of Ireland the wind is backing again to the S^wd., so that it is probable that further depressions are advancing from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 6TH APRIL 1899.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	Strong W. and NW. winds, moderating and backing later; squally, some rain.
▼ 1	SCOTLAND EAST	
▼ 2	ENGLAND N.E.	W. and SW. winds strong; fine at first, some rain later.
3	ENGLAND EAST	W. to SW. winds, freshening considerably; fair at first, some rain later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	W. to SW. winds, strong, a gale in places; squally, some rain.
▼ 7	ENGLAND N.W.	
8	ENGLAND S.W.	SW. winds strong; squally, some rain.
▼ 9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8

WARNINGS — At 4 pm yesterday to districts 0, 6, and parts of 1 and 9, and at 7.30 pm to districts 2, 7, and the remainder of 1 and 9 "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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.66	42	41	S	6	f	3
Sumburgh Head	29.22	50	46	SW	5	bc	6
Stornoway	29.25	52	47	WSW	6	o	6
Aberdeen	29.44	56	46	WSW	5	beq	3
Shields	29.69	57	51	SW	4	c	2
Ardrossan							
Malin Head ...	29.57	50	45	W	7	c	6
Belmullet	29.81	53	47	W	9	bc	*
Holyhead	29.91	54	51	SW	4	cmp	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.08	55	50	WSW	6	bcmr	6
Scilly	30.16	55	53	WSW	5	o	4
Jersey	30.28	53	51	WSW	4	o	3
Hurst Castle ...	30.12	50	50	SW	5	r	4
Dungeness ...	30.11	49	49	SSW	5	r	4
North Foreland							
London (Westminster)	30.06	56	53	SW	4	or	*
Yarmouth ...	29.96	55	53	SW	4	or	3
Rochefort ...	30.36	59	55	WNW	3	o	*

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

Weather in morning cloudy or dull over Europe as a whole, with fog or mist on several parts of our own western and southern coasts; rain falling in the N^rn parts of England and Wales, as well as at Stornoway and Malin Hd and at Lyons, Munich and Vienna; snow reported at Archangel. Fine in Spain and also over Lapland and the S^rn parts of the Baltic. Rain falling later over nearly the whole of W^rn Europe, but amount mostly small.

Temperature risen a little in the W^rn countries, but fallen elsewhere. Morning readings highest 70° at Lisbon, and 59° at San Fernando, Oran and Algiers, above 55° at many of the Spanish and Mediterranean stations, and very little below it in several parts of Ireland and Scotland. Lowest 18° at Haparanda and Ulcaborg, 22° at St. Petersburg, and 23° at Kuopio, below the freezing point over the N^rn parts of Russia and Scandinavia generally. Rising during day to between 55° and 60° in most parts of the United Kingdom, exceeding 65° in the S. of France, and reaching 69° at Lyons.

Wind S. or SW. over northwestern and northern Europe generally and fresh to strong in force on many parts of our own western and northern coasts as well as in the west of Norway. Light from the W^rd or NW^rd in France and from the NE^rd over the Spanish peninsula. NE. in Italy, variable in Austria, N. or NW. over the central and southern parts of Russia. Subsequently increasing to a gale from the SW^rd or W^rd on many parts of our own northern coasts.

Barometer highest 30.3 ins. and upwards over the Bay of Biscay and the greater part of France; 30.1 ins. and upwards in an anticyclone embracing all the more central and southern parts of the Continent and extending over the S. of England. Lowest 29.4 ins. and less in a depression lying to the N^rd of our Islands. Depression subsequently moving eastwards towards the Norwegian coasts and proving both large and deep; barometer falling briskly on our own N^rn 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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, APRIL 6TH 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.47	31	SE	0	bc	29.34	+.11	29	28	−2	SE	0	c	*	bc	*	34	18	0.24
	Hernösand ...	29.21	40	S	2	b	29.19	+.06	36	35	−1	SE	0	c	*	b	*	40	34	—
	Stockholm ...	29.46	45	S	6	o	29.46	+.04	42	39	0	SSW	4	c	*	o	*	50	41	—
	Wisby	29.64	42	W	6	c	29.63	+.04	40	39	−2	SSW	6	c	*	c	*	48	34	—
	Karlstad ...	29.40	40	SW	2	b	29.34	−.02	37	36	−3	SSW	2	c	*	b	*	*	*	0.08
	Bodö	29.11	34	NE	4	b	29.19	+.11	35	33	+1	NE	4	b	1	b	*	36	30	—
	Christiansund ...	29.06	43	WSW	8	+	29.21	+.32	39	36	−6	WSW	8	+	6	+	*	45	37	0.35
	Skudesnaes ...	29.55	43	WSW	6	o	29.48	+.19	41	40	−1	WSW	4	c	4	c.o	*	46	37	*
	Færder (Christiania Fjord)	29.43	42	WSW	6	b	29.38	+.02	40	38	0	WSW	4	bc	4	b	*	42	39	—
	Skagen (The Scaw)	29.64	42	WNW	6	m	29.50	+.01	42	40	−1	WNW	7	m	2	m	*	48	41	0.04
	Fanö	29.88	43	W	4	c	29.72	+.04	42	42	−1	WSW	4	b	*	c	*	48	41	0.16
	Sumburgh Head	29.35	43	W	5	c	29.50	+.33	40	38	−5	W	6	o[illegible]	6	bc[illegible].c	*	48	37	0.11
	Stornoway ...	29.56	44	WNW	6	bc	29.73	+.18	43	41	−3	WNW	6	+hq	6	+.bc	5.0	47	37	0.25
	Wick	29.52	45	NNW	7	bc	29.68	+.21	43	41	−4	N	6	bc	4	bc	*	49	37	0.10
	Nairn	29.61	43	WSW	2	bc	29.77	+.21	42	41	−3	W	1	b	1	bc	*	51	36	0.33
	Aberdeen ...	29.60	45	WNW	6	bcq	29.77	+.16	46	39	−3	W	5	bq	3	cq[illegible].bcq	9.1	56	38	0.02
British Islands.	Leith	29.69	49	W	5	+	29.84	+.10	45	41	−3	W	3	b	*	+	*	53	38	0.05
	Shields	29.74	49	SW	7	o	29.91	+.07	45	42	−1	WSW	4	b	2	bc.o	*	56	38	—
	Spurn Head ...	29.95	51	WSW	6	o	29.98	+.02	46	43	−1	W	4	b	4	o	*	54	42	—
	York	29.96	52	WSW	5	c	30.00	+.01	46	43	−2	W	2	b	*	c	0.0	55	40	—
	Loughborough ...	30.06	52	SW	5	o	30.06	−.02	46	44	−2	WNW	2	bcw	*	cqu.ot.c	*	61	41	0.05
	Ardrossan ...																*			
	Malin Head ...	29.79	47	WSW	5	bc	29.90	+.04	44	42	−1	SW	3	bc	2	o.bc	*	50	41	0.08
	Belmullet ...	29.95	49	WNW	4	bc	29.93	−.07	46	44	−3	SSE	4	o	*	oq.bc	*	50	44	0.08
	Donaghadee ...	29.82	51	W	6	cq	29.97	−.03	43	42	−4	WNW	4	b	4	cq	*	52	42	0.05
	Liverpool (Bidston)	29.99	49	WSW	5	+	30.02	−.08	46	43	−2	W	5	b	5	bc.+	*	53	43	0.04
	Holyhead ...	29.95	47	SW	6	+qm	30.04	−.09	49	46	+1	W	4	c	3	oqm.+qm	*	53	43	0.22
	Parsonstown ...	29.97	50	W	1	o	30.01	−.14	45	43	−3	SE	1	o	*	o+	0.6	52	37	0.21
	Valencia ...	30.07	52	WSW	4	fd	29.96	−.26	51	50	0	SSE	4	+m	4	+m.fd	0.0	54	40	0.49
	Roche's Point ..	30.00	52	W	5	bc	30.04	−.19	50	50	0	S	4	+	4	d.bc	*	55	45	0.12
	Pembroke (St. Ann's Hd.)	30.05	48	SW	5	+	30.10	−.16	48	47	−1	W	3	o	4	+	0.5	49	46	0.16
	Scilly	30.19	52	SSW	5	om	30.15	−.18	52	52	+1	SW	4	f	5	om	1.1	53	48	0.02
	Prawle Point ...	30.24	49	SW	5	o	30.16	−.19	49	48	0	W	3	o	3	om+	*	56	47	0.02
	Jersey (St. Aubin's)	30.34	52	W	4	c	30.22	−.18	52	52	0	W	4	om	3	bc.cg	*	56	49	—
	Hurst Castle ...	30.19	50	WSW	4	om	30.14	−.15	50	48	+1	WSW	1	c	2	cm.om	*	53	48	0.05
	Dungeness ...	30.20	49	WSW	5	c	30.10	−.12	52	50	+3	W	3	c	3	o.c	*	56	48	—
Germany & Holland.	North Foreland																*			
	London (Brixton) ...	30.13	52	WSW	2	o	30.11	−.11	52	47	+2	W	3	bc	*	bc.o+	6.3	60	48	0.01
	Oxford	30.08	52	SSW	3	o	30.11	−.10	49	46	+1	WSW	1	b	*	o.fo	*	57	46	0.06
	Cambridge ...	30.10	53	WSW	5	o	30.09	−.05	49	45	0	NW	1	c	*	q.o.+	7.4	61	47	0.03
	Yarmouth ...	30.06	53	WSW	5	c	30.01	−.03	49	44	−1	WNW	4	bc	3	bc.c	*	57	45	0.05
	Cuxhaven ...	30.01	47	W	6	b	29.79	−.17	45	45	−1	WSW	5	+	*	b.+	*	48	43	0.12
	Berlin	30.09	47	W	4	b	30.01	+.11	44	42	−4	SW	3	+	*	b	*	55	41	0.12
	Wiesbaden ...		*	*	*	*	30.11	−.01	46	45	−5	NW	1	+	*	*	*	57	43	0.08
	Munich	30.32	46	W	5	b	30.23	−.03	47	44	+3	W	2	o	*	b	*	53	41	0.08
	The Helder ...																*			
France & Belgium.	Brussels ...	*	*	*	*	*	30.10	−.13	48	48	0	W	3	+	*	o	*	57	44	0.12
	Cape Gris Nez ...	?	48	SW	4	m	?	?	49	48	+2	W	5	o	5	m	*	50	45	—
	Paris	30.34	50	W	2	bc	30.21	−.13	52	48	+2	WSW	3	bc	*	bc	*	65	50	—
	Brest	30.34	52	SW	2	c	30.25	−.19	52	51	+3	W	3	f	3	c	*	57	48	—
	Lorient	30.38	54	WSW	3	c	30.28	−.13	52	52	+4	WNW	3	m	3	c	*	61	48	—
	Rochefort ...	30.36	54	NNW	4	c	30.28	−.18	52	51	−1	W	3	o	*	bc.c	*	63	50	—
	Belfort	30.32	53	W	4	c	30.23	−.10	46	44	0	W	1	o	*	c	*	59	45	—
	Lyons	30.3[illegible]	58	NNE	1	b	30.31	−.08	47	45	−3	ENE	1	o	*	b	*	64	44	0.04
	Nice	30.20	57	SW	2	b	30.17	0.0	59	48	+5	E	2	c	0	b	*	68	52	—
	Perpignan ...	30.31	64	NW	2	o	30.28	−.06	57	50	0	W	2	c	*	o	*	71	48	—
	Biarritz ...	30.32	56	N	4	c	30.31	−.12	50	49	−3	SE	2	m	4	c	*	59	48	—
Peninsula.	Corunna ...																*			
	Lisbon	30.26	72	NNW	4	b	30.30	+.04	66	65	−2	SSW	1	b	*	bc.b	*	82	50	—
	Azores (P. Delgada)	30.32	59	NE	3	+	30.30	+.01	59	55	0	NE	3	o		c.+	*	64	55	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

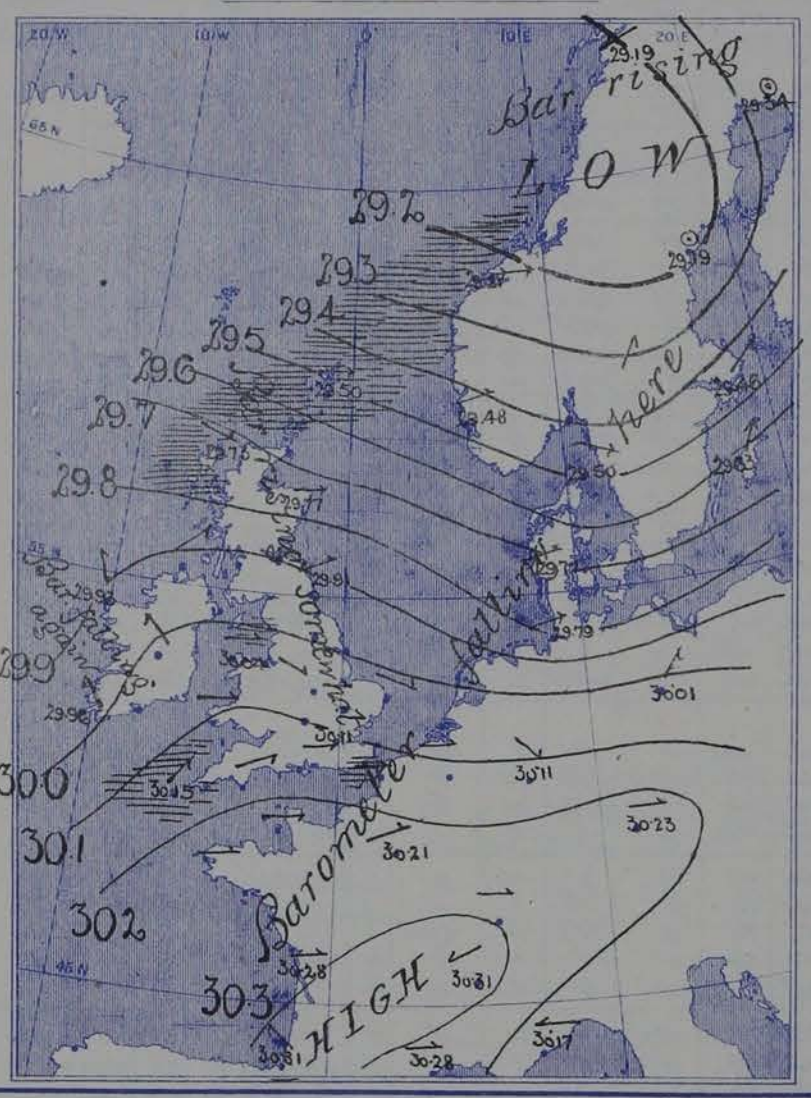
Bright Sunshine yesterday Southport 1.2 hrs;

WEATHER CHARTS

FOR Thursday, 6th April, 1899.

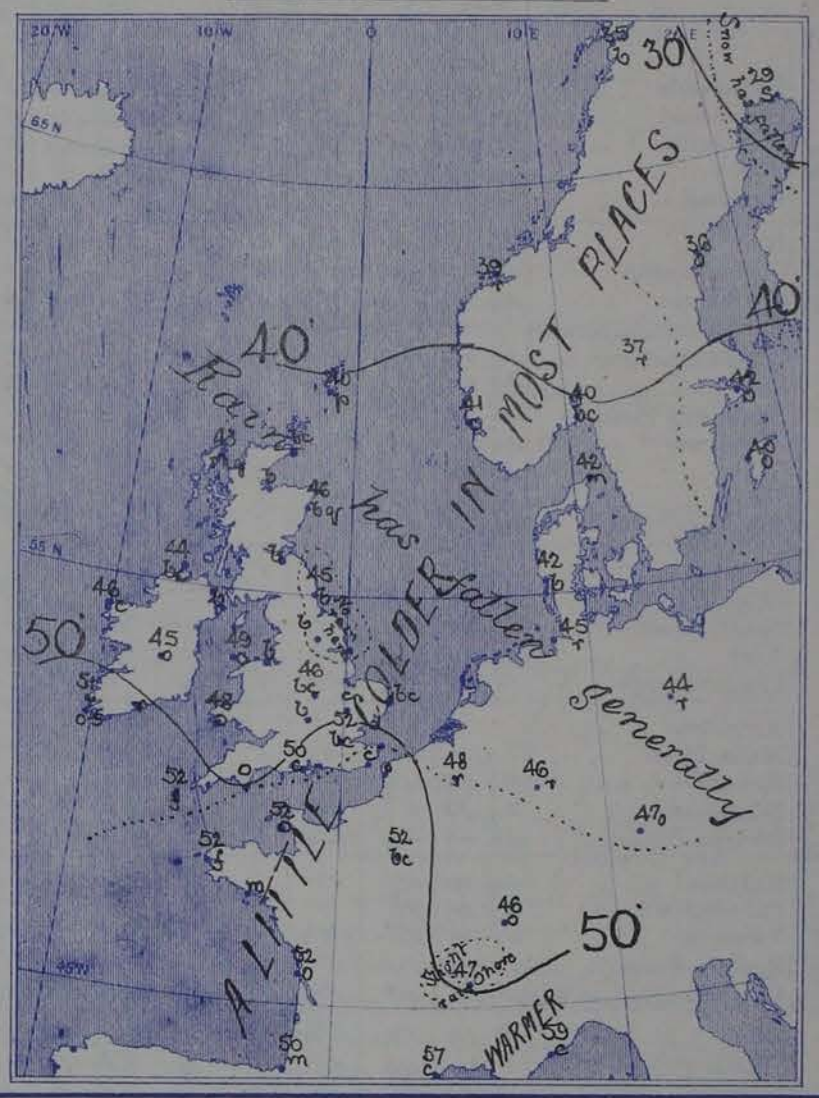
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⇉ ; *Force 5 to 7* → ; *Force 8 to 10* ⇉ ; *Force 1 to 4* → ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·2 ins to 30·3 ins. and upwards in an anticyclone lying over the Spanish peninsula, France and south Germany.
Lowest 29·2 ins. and less in a large depression lying over the N^rn. parts of Scandinavia, 30·0 ins. and less in a secondary system approaching the W. of Ireland.
Gradients moderate or slight generally, but rather steep over N. Germany and the Baltic.
Barometer rising in St Britain and also in the N^rn. parts of Scandinavia, falling elsewhere, briskly as Valencia (Ireland).

TEMPERATURE

Highest 66° at Lisbon, 59° at Nice, 57° at Perpignan, and 52° at many stations in France and the south of England, including London and Paris.
Lowest 29° at Haparanda, 35° at Bodo, 36° at Hernosand, and 37° at Karlstad; lowest in our Islands 40° at Lerwick.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, to 60° in London and to 61° at Loughborough and Cambridge.

WIND

W^ly. or SW^ly. over northwestern Europe as a whole, moderate to fresh in force generally, but strong to a gale at Christiansund and the Skaw. Strong from the NW^wd. or N^wd. in the N. of Scotland.
Moderate from the S^wd. or SE^wd. in the west and south of Ireland.

WEATHER

Fine over the N^rn. E^rn. and central parts of our Islands generally, but dull and showery in the Shetlands and Hebrides.
Cloudy or dull in nearly all other parts of our area, with rain in the S. of Ireland and also over the Netherlands, Germany and several parts of Scandinavia, snow was falling at Haparanda.
Rain fell yesterday over nearly the whole of our Islands and the neighbouring parts of the Continent, but the amount was mostly slight. A solar halo was seen at Oxford at 7 am today.

SEA

Rough off the N. of Scotland and the W. of Norway and rather rough at some of the English Channel stations, as well as at Liverpool.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The secondary depression which is approaching the W. of Ireland seems likely to advance E^wds. and to occasion rain over nearly the whole of England, with a considerable increase of wind from the SW^wd. and W^wd. on our southern coasts.

FORECASTS

For the 24 hours ending at NOON on 7TH APRIL 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NW^ly. winds, strong to moderate, squally, showery.	▼ 6 SCOTLAND WEST	Same as No. 1 and 2.
▼ 1 SCOTLAND EAST	W^ly. winds, backing later, fine at first, then cloudy, with some rain.	▼ 7 ENGLAND N.W.	S^ly. to W^ly. winds, increasing in force, dull and rainy at first, some improvement later.
▼ 2 ENGLAND N.E.		▼ 8 ENGLAND S.W.	
▼ 3 ENGLAND EAST	Wind backing to the SW^wd. or S^wd. and increasing in force, cloudy, squally, some rain.	▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
▼ 5 ENGLAND SOUTH		WARNINGS	At 0·30 pm to district 10 and at 3·50 pm to districts 3, 5 and 8. Hoist South Cone. The signals are now flying on all coasts.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.47	46	44	W	6	c	4
Sumburgh Head	29.32	43	42	W	6	bcfp	6
Stornoway	29.54	46	43	WSW	4	+	4
Aberdeen	29.63	53	45	SW	5	cq	4
Shields	29.88	53	47	WSW	4	be	2
Ardrossan							
Malin Head ...	29.82	50	48	WSW	7	0	6
Belmullet	29.93	50	49	WSW	8	oq	*
Holyhead	30.09	49	44	SW	6	ogm	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.03	50	49	SSE	5	fm	6
Scilly	30.29	53	50	SSW	4	om	2
Jersey	30.41	55	51	WSW	4	be	3
Hurst Castle ...	30.29	51	49	SW	4	cm	2
Dungeness ...	30.24	51	48	WSW	6	0	5
North Foreland							
London (Westminster)	30.21	60	50	W	4	be	*
Yarmouth ...	30.09	59	49	W	5	be	3
Rochefort ...	30.39	61	55	NW	2	be	*

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

Weather in morning fine over Gt. Britain and the neighbouring parts of the Continent, but dull in Ireland, with rain at Malin Hd. Cloudy or dull over the Continent as a whole, with rain in many parts of central France, Germany and the S. of Sweden, and snow at Haparanda and Ulealorg. Fine over the Spanish peninsula and also in the central and S^rn. parts of Russia. Rainy weather extending later from the W^nd. over nearly the whole of our Islands, but amount of rain mostly slight.

Temperature fallen over our Islands, the W. of France and the Spanish Peninsula; risen over N^rn. Europe; changed irregularly elsewhere. Morning readings highest 68° at Lisbon, 63° at Algiers and Oran, and 62° at Barcelona; above 55° at many of the Mediterranean and Spanish coast stations. Lowest 28° at Kiev, 30° at Kharkov, and 31° at Moscow and Haparanda. Rising during day to between 55° and 60° in many parts of our Islands, and to 61° at Loughborough and Cambridge; reaching 65° at Paris, 71° at Perpignan, and 82° at Lisbon.

Wind W^ly. or SW^ly. over the greater part of our Islands and northern and central Europe; blowing a gale from the NW^wd. in the north of Scotland, and from the SW^wd. at some stations in the south of Scandinavia; E^ly. or NE^ly. in the north of Scandinavia. Light from the NW^wd. over the greater part of France, and from between N. and E. over the Spanish peninsula and N^rn. Italy; S^ly. or SW^ly. over southern Italy. Subsequently backing to the S^wd. on our own western coasts, but veering to the W^wd. again in evening.

Barometer highest 30.3 ins. to 30.5 ins. and upwards in an anticyclone over the S^rn. parts of Russia; 30.3 ins. to 30.4 ins. and upwards in another system over the Spanish Peninsula, France and the SW. of England. Lowest 28.9 ins. and less in a well marked depression off the W. of Norway. Depression subsequently moving N.E^wd., small secondary disturbance passing E^wds. across Ireland and England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 1899.

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.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.38	33	NW	0	0	29.43	+.09	36	35	+ 7	NW	0	S	*	0	*	37	19	0.24
	Hernösand ...	29.34	32	NW	0	fog	29.41	+.22	35	33	- 1	E	2	fog	*	fog	*	42	30	-
	Stockholm ...	29.41	39	S	2	0	29.43	-.03	40	38	- 2	WNW	4	c	*	0	*	46	36	-
	Wisby	29.50	39	SSW	4	bc	29.54	-.09	37	35	- 3	WNW	4	c	*	bc	*	43	36	0.04
	Karlstad ...	29.44	39	NNE	2	bc	29.50	+.16	34	32	- 3	N	2	bc	*	bc	*	*	*	0.08
	Bodö	29.36	35	N	4	bc	29.49	+.30	32	29	- 3	ESE	1	bc	1	bc	*	37	27	-
	Christiansund ...	29.43	41	SW	6	r	29.47	+.26	44	41	+ 5	SW	3	r	6	r	*	44	37	0.12
	Skudesnaes ...	29.67	42	NW	4	bc	29.49	+.01	39	38	- 2	E	2	m	3	bc	*	45	37	*
	Færder (Christiania Fjord)	29.49	42	W	4	bc	29.51	+.13	38	36	- 2	W	1	bc	3	bc	*	45	36	-
	Skagen (The Scaw)	29.60	41	WNW	6	m	29.54	+.04	40	39	- 2	W	2	m	0	m	*	46	37	-
	Fanö	29.79	41	W	4	bc	29.47	-.25	38	38	- 4	SSE	4	r	*	bc	*	46	37	0.04
	Sumburgh Head	29.55	44	W	3	bc	29.43	-.07	44	41	+ 4	ENE	2	c	4	bc	*	46	36	0.03
	Stornoway ...	29.48	46	SSE	3	0	29.41	-.32	42	41	- 1	ESE	4	r	4	bc.o	7.3	50	38	0.30
	Wick ...	29.50	45	E	1	bc	29.37	-.31	44	43	+ 1	NE	5	bc	5	bc	*	50	50	0.05
	Nairn	29.52	48	E	1	bc	29.28	-.49	41	40	- 1	E	4	r	5	bc	*	51	36	0.51
	Aberdeen ...	29.60	47	SW	2	c	29.19	-.58	38	38	- 8	NE	8	ogqr	7	bc. c	8.6	55	38	0.69
British Isles	Leith	29.58	45	SSW	1	0	29.11	-.76	43	42	- 2	WNW	1	oa	*	0	*	53	40	0.28
	Shields	29.67	44	ESE	3	r	29.06	-.85	43	42	- 2	N	0	c	2	o, r	*	53	41	0.22
	Spurn Head ...	29.77	46	E	3	r	29.06	-.92	45	44	- 1	SSW	4	o	4	c, r	*	52	44	0.38
	York	29.77	47	S	1	f	29.04	-.96	45	44	- 1	S	1	r	*	c.o, r	4.5	54	42	0.30
	Loughborough ...	29.77	52	SSW	3	0	29.08	-.98	47	45	+ 1	SSW	3	oap	*	c.o mist	*	58	44	0.20
	Ardrossan ...																*			
	Malin Head ...	29.27	45	SSE	5	r	29.23	-.67	44	43	0	NNW	8	orq	6	o, r	*	48	41	0.24
	Belmullet ...	29.26	50	WSW	9	oqp	29.72	-.21	44	41	- 2	NNW	10	cqp	*	r. qp	*	51	41	0.62
	Donaghadee ...	29.51	46	SSE	6	r	29.19	-.78	45	44	+ 2	N	6	orq	7	r	*	50	43	0.40
	Liverpool (Bidston)	29.59	52	SSW	2	r	29.03	-.99	46	45	0	W	4	o	3	bc. r	*	53	42	0.24
	Holyhead ...	29.57	49	SW	7	qfa	29.10	-.95	45	44	- 4	NW	8	qmr	6	r. qfa	*	50	43	0.31
	Parsonstown ...	29.45	51	SW	1	o	29.51	-.50	44	42	- 1	NW	4	ou	*	c. or	1.1	55	42	0.48
	Valencia ...	29.52	51	SW	8	op	29.85	-.11	47	42	- 4	NW	9	cq	7	of a, p	0.0	54	45	0.28
	Roche's Point ..	29.60	51	WSW	7	rq	29.59	-.45	47	45	- 3	NNW	8	c	6	r q	*	53	45	0.45
	Pembroke (St. Ann's Hd.)	29.70	49	SW	6	r	29.28	-.82	46	45	- 2	NW	8	eq	7	or	0.5	50	44	0.25
	Scilly	29.87	52	SW	6	fog	29.62	-.53	51	46	- 1	WNW	11	c	7	fog	0.0	56	45	0.04
	Prawle Point ..	29.92	49	SSW	5	o	29.42	-.74	45	44	- 4	WSW	7	rq	6	orq	*	52	43	0.14
	Jersey (St. Aubin's)	30.08	54	SW	4	ogm	29.59	-.63	50	46	- 2	WSW	7	ogqm	5	ogm	*	56	46	0.09
	Hurst Castle ...	29.92	50	SW	5	om	29.29	-.85	48	46	- 2	WSW	7	opm	5	om	*	54	48	0.09
	Dungeness ...	29.96	50	SW	4	o	29.26	-.84	48	47	- 4	WSW	8	r	7	bc. o	*	55	46	0.08
	North Foreland																*			
	London (Brixton) ...	29.91	52	SW	4	oa	29.22	-.89	48	45	- 4	WSW	6	oq	*	c. orq	4.5	63	45	0.10
	Oxford	29.93	52	SSW	5	r	29.14	-.97	47	45	- 2	SW	5	oq	*	bc. orq	*	58	44	0.19
	Cambridge ...	29.85	52	SSW	4	rq	29.15	-.94	46	44	- 3	SW	5	aq	*	bc. orq	4.8	59	44	0.60
	Yarmouth ...	29.89	48	SSE	4	o	29.16	-.85	48	45	- 1	SW	4	cq	4	bc. o	*	54	44	0.28
Germany & Holland	Cuxhaven ...	29.93	45	W	5	c	29.41	-.38	42	42	- 3	SSE	5	r	*	c. r	*	46	39	0.35
	Berlin	29.97	46	W	3	b	29.69	-.32	43	42	- 1	SSE	3	r	*	b	*	54	39	0.08
	Wiesbaden ...	*	*	*	*	*	29.65	-.46	51	50	+ 3	S	1	o	*	*	*	57	46	-
	Munich	30.19	48	SW	5	o	29.88	-.35	48	46	+ 1	SSE	4	bc	*	o	*	61	43	0.04
	The Helder ...	29.94	45	SSW	1	o	29.28		47	46		SW	4	c	3	o	*	50	45	0.43
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	?	50	WSW	4	o	?	?	48	45	- 1	W	7	o	7	o	*	54	45	0.16
	Paris	30.11	59	WSW	3	bc	29.69	-.52	48	46	- 4	SW	4	bc	*	bc	*	60	47	0.04
	Brest	30.15	51	SW	3	fog	29.85	-.40	50	46	- 2	WNW	5	c	5	fog	*	54	46	-
	Lorient	30.13	52	WSW	4	o	29.83	-.45	49	45	- 3	WNW	6	c	7	o	*	61	46	0.20
France &	Rochefort ...	30.18	56	NW	2	bc	29.92	-.36	54	51	+ 2	WNW	4	r	*	b, bc	*	66	48	0.04
	Belfort ...	30.21	51	W	4	o	29.82	-.41	50	46	+ 4	W	4	o	*	o	*	58	46	0.08
	Lyons ...	30.20	61	N	1	b	29.91	-.40	51	45	+ 4	S	2	o	*	b	*	68	47	—
	Nice	30.10	58	E	0	bc	30.04	-.13	48	48	- 11	E	4	fog	1	bc	*	68	46	—
	Perpignan ...	30.18	68	E	1	c	30.00	-.28	55	50	- 2	SW	2	eg	*	e	*	78	46	—
	Biarritz ...	30.13	59	NNE	3	bc	30.12	-.19	53	52	+ 3	W	6	r	5	bc	*	63	50	—
Penin-sula	Corunna ...																*			
	Lisbon	30.27	62	N	1	b	30.29	-.01	59	54	- 7	N	4	b	3	b	*	73	54	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 6.4 hrs;

WEATHER CHARTS

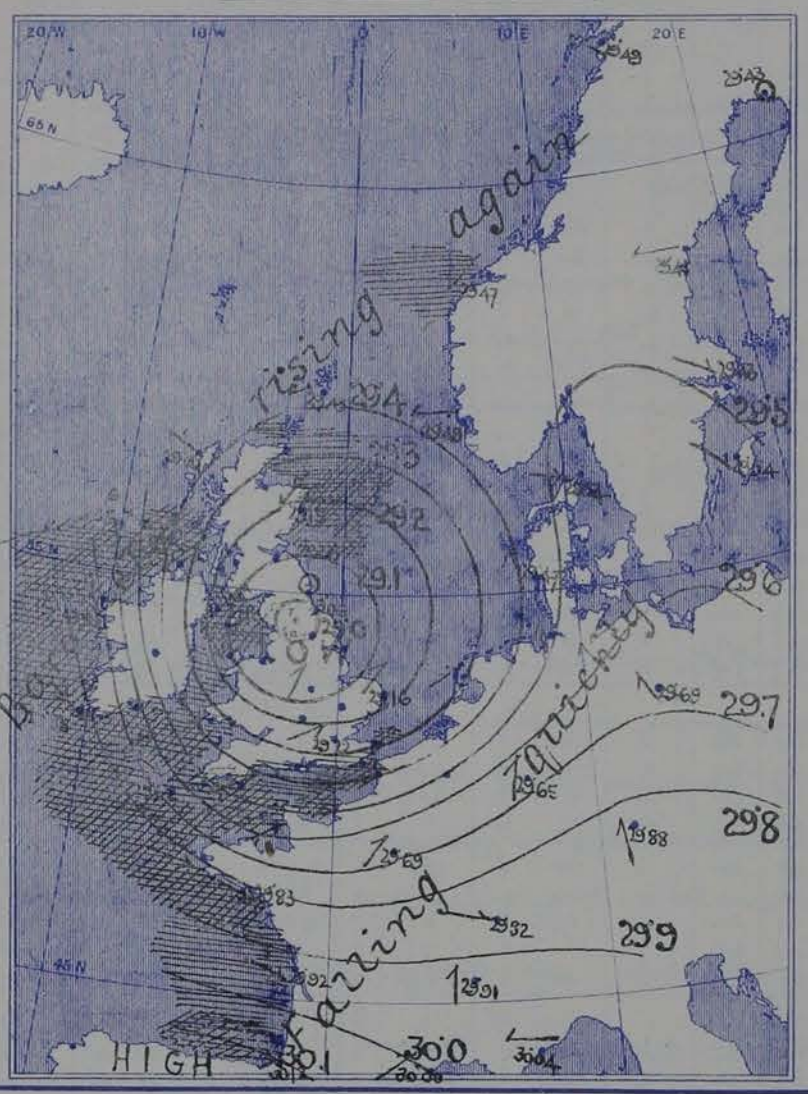
FOR Friday, 7th April, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ➤⟶ ; *Force 1 to 4* ⟶ ; }

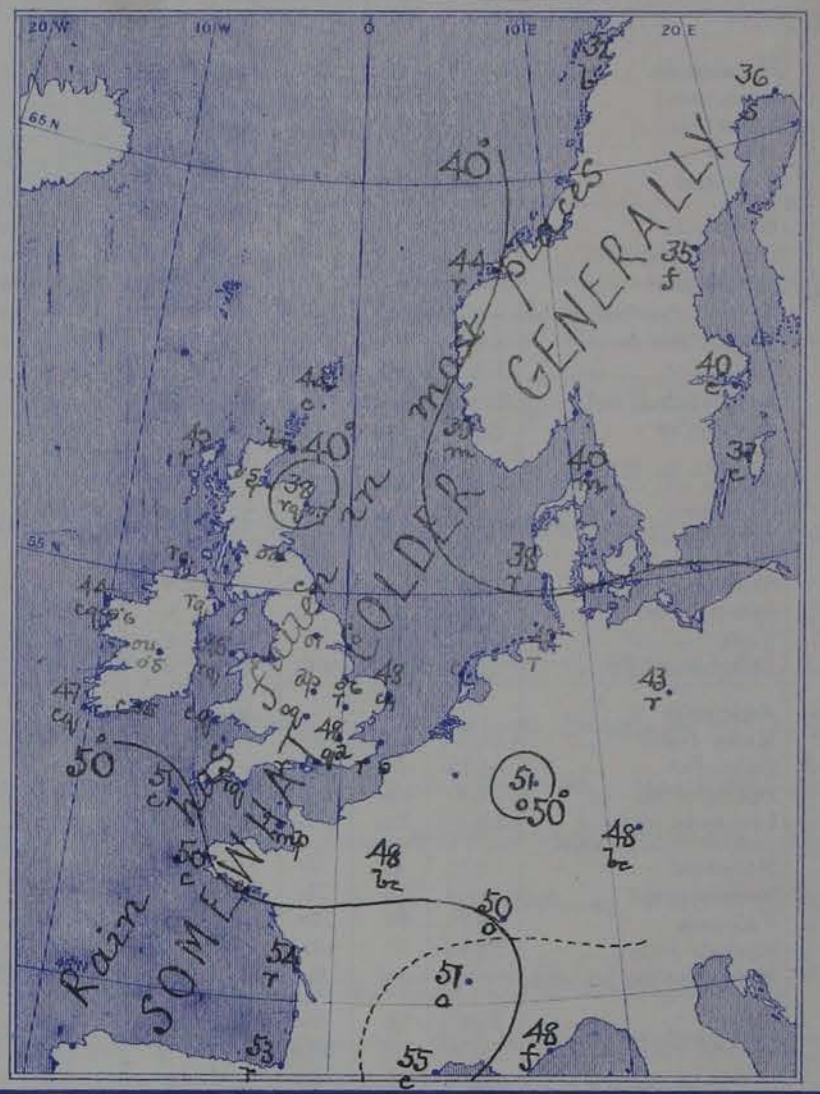
SEA—Rough ▤ ; *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.1 ins. and upwards over the Spanish Peninsula and the extreme SW. of France.
Lowest 29.1 ins. and less in a deep depression with its centre near York.
Gradients steep over our W. and SW. coasts, and rather steep over the Channel and the neighbouring parts of the Continent, moderate or slight elsewhere.
Barometer falling over W^m. Europe as a whole, but rising again in the W. and extreme N. of our Islands.

TEMPERATURE — Highest 55° at Perpignan, 54° at Rochefort, 53° at Biarritz, and 51° at Scilly, Lyons and Nice.
Lowest 32° at Bodö, 34° at Karlstad, 35° at Tromsoe, & 36° at Haparanda, lowest in our Islands 38° at Aberdeen.
During yesterday the thermometer rose to 55° and upwards in many parts of St. Britain, and to 63° in London.

WIND — NE^ly in Scotland, with a gale at Aberdeen; strong NW^ly or N^ly gales reported on all our western coasts, and moderate to fresh W^ly gales in the English Channel; strong W^ly winds in the Bay of Biscay, moderate to fresh from the N. or NW. over the eastern and central parts of England, and from NE in Denmark and Germany; W^ly in the south of Sweden; variable in the N^rn parts of Scandinavia.

WEATHER — Squally and rainy over the greater part of the United Kingdom.
Cloudy or dull at most of the Continental stations, with rain in the SW. of France and also in Denmark and N. Germany; snow was falling at Haparanda. Fine in the S. of Sweden.
Since yesterday morning rain has fallen over the whole of NW^rn Europe, the largest amounts being 0.7 in. at Aberdeen, and 0.6 in. at Belmullet & Cambridge. A solar halo was seen yesterday at Stornoway.

SEA — High or rough on all our W^rn and S^rn coasts, and also in the Bay of Biscay and off the N. and E. of Scotland, moderate or slight off the E. of England.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression over our Islands is moving quickly E^wds. In its rear the wind over England is likely to blow hard from the NW., with squally, showery and colder weather.

FORECASTS

For the 24 hours ending at NOON on 8TH APRIL, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
☐ 0 SCOTLAND NORTH	NE^ly to N^ly gales and strong winds, squally, some cold showers.	☐ 6 SCOTLAND WEST	Same as Nos. 0 and 1.
☐ 1 SCOTLAND EAST		☐ 7 ENGLAND N.W.	NW^ly and N^ly gales, moderating later; squally, some cold showers.
☐ 2 ENGLAND N.E.	NW^ly winds, increasing in force, squally, showery, colder.	☐ 8 ENGLAND S.W.	
☐ 3 ENGLAND EAST	W^ly to NW^ly gales and strong winds, squally, showery, colder.	☐ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		☐ 10 IRELAND SOUTH	
☐ 5 ENGLAND SOUTH		WARNINGS	At 3.50 pm yesterday to districts 6 and 9 and at 7.6 pm to districts 0 to 2 and 7. Keep up South Cone. The signals are now flying on all coasts.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·62	45	42	NW	6	bc	3
Sumburgh Head	29·58	45	42	W	5	bc	6
Stornoway	29·64	50	45	WNW	4	bc	4
Aberdeen	29·73	53	42	W	3	bc	2
Shields	29·86	51	44	WSW	3	0	2
Ardrossan							
Malin Head ...	29·65	48	44	SSW	5	0	3
Belmullet	29·55	49	48	SSW	5	r	*
Holyhead	29·86	46	45	S	3	gmr	2
Valencia	29·73	53	52	S	5	fg	6
Scilly	30·04	53	52	SW	5	f	5
Jersey	30·19	55	54	WSW	5	0	4
Hurst Castle ...	30·08	52	50	SW	3	om	2
Dungeness ...	30·06	54	51	WSW	5	bc	4
North Foreland							
London (Westminster)	30·03	62	53	SW	4	0	#
Yarmouth ...	30·01	49	46	SE	3	bc	3
Rochefort ...	30·28	64	61	WSW	2	b	#

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

Weather in morning fine over the N.rn, E.rn and central parts of our Islands generally, but dull and showery in the Shetlands and Hebrides; rainy in the S. of Ireland; foggy at the mouth of the Channel. Cloudy or dull over the N.rn and central parts of the Continent, with rain in many places and snow at Haparanda; fine in most of the S.rn countries, but rainy at Brindisi. Rain spreading later from the W.ward over the whole of NW.rn Europe, solar halo seen at Stornoway.

Temperature fallen in most places. Morning readings highest 66° at Barcelona and Oporto, 64° at Algiers, and 61° at Toulon and San Fernando; above 55° in most parts of S.rn Europe. Lowest 29° at Haparanda, 31° at Moscow and Kharkov, and 32° at Kiev and Nicolaieff; below 40° over nearly the whole of Russia and Scandinavia. Rising during day to 55° and upwards in many parts of Gt. Britain, and to 63° in London; exceeding 65° in the W. and S. of France, and reaching 78° at Perpignan.

Wind W.ly or NW.ly over Gt. Britain and the northern and central parts of the Continent generally and strong in force at several of the most northern stations, with a gale at Christiansund; S.ly or SE.ly in the west and south of Ireland. Light from the E.ward or NE.ward over the Spanish Peninsula, Italy and the south of Russia; variable in the extreme south of France, NW.ly in Austria. Subsequently increasing to a gale from the NW.ward in the west and south of our Islands.

Barometer highest 30.3 ins. and upwards over the Spanish Peninsula, Morocco and the SW.rn parts of France, and also in another area over the S. of Russia. Lowest 29.2 ins. and less in a depression over the N.rn parts of Scandinavia. New and very deep depression advancing late towards our extreme NW. coasts, and barometer falling rapidly in Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 8th April, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.50	29	NE	2	0	29.58	+.15	30	29	6	N	4	0	*	0	*	37	23	0.08
	Hernösand ...	29.54	35	2	0	0	29.62	+.21	35	33	0	NE	2	0	*	0	*	37	30	-
	Stockholm ...	29.52	36	NE	2	b	29.51	+.08	32	31	-8	ENE	6	f	*	b	*	52	32	-
	Wisby	29.53	35	W	4	b	29.36	-.18	38	37	+1	ESE	4	r	*	b	*	46	32	0.04
	Karlstad ...	29.46	36	N	2	b	29.47	-.03	37	35	+3	NE	2	0	*	b	*	*	*	-
	Bodö	29.60	28	E	4	b	29.65	+.16	28	25	-4	E	4	b	1	b	*	34	23	-
	Christiansund ...	29.54	40	NNW	2	c	29.51	+.04	38	37	-6	ENE	4	b	4	c	*	44	34	-
	Skudesnaes ...	29.42	43	2	0	bc	29.36	-.13	41	36	+2	NE	2	b	2	bc	*	50	36	*
	Færder (Christiania Fjord)	29.44	39	2	0	0	29.41	-.10	38	36	0	E	4	0	2	0	*	45	37	-
	Skagen (The Scaw)	29.40	40	NE	1	0	29.29	-.25	39	37	-1	ESE	5	m	1	0	*	43	37	0.12
	Fanö	29.25	41	SW	1	0	29.18	-.29	42	42	+4	S	1	r	*	0	*	45	37	0.28
	Sumburgh Head	29.49	43	2	0	0	29.43	.00	42	40	-2	NE	1	0	4	b.0	*	46	35	-
	Stornoway ...	29.55	46	NW	3	bc	29.51	+.10	40	37	-2	NW	4	bc	4	c.bc	3.7	47	32	0.12
	Wick	29.51	45	E	2	bc	29.47	+.10	38	37	-6	NE	2	r	2	bc	*	48	35	0.08
	Nairn	29.53	43	SE	1	c	29.49	+.21	38	37	-3	W	1	c	1	c	*	47	32	0.19
	Aberdeen ...	29.51	42	N	4	cqj	29.46	+.27	37	36	-1	NW	5	ogqr	4	orq.cqj	1.6	44	35	0.28
	Leith	29.53	43	NNW	3	0	29.48	+.37	43	39	0	W	3	b	*	0	*	44	34	0.05
	Shields	29.42	41	N	5	r	29.43	+.37	39	37	-4	W	3	bc	3	c.r	*	51	35	0.06
	Spurn Head ...	29.25	45	NW	7	0	29.41	+.35	41	38	-4	WNW	6	bqp	5	oqp	*	47	40	0.05
	York	29.33	44	N	4	r	29.48	+.44	42	38	-3	NW	3	b	*	o.c.rq	?	52	37	0.12
	Loughborough ...	29.38	45	NW	5	0	29.55	+.47	40	38	-1	WNW	5	obq	*	pqq.r.c	*	50	36	0.17
BRITISH ISLANDS.	Ardrossan ...																*			
	Malin Head ...	29.67	45	NNW	5	bcq	29.57	+.34	41	39	-3	NW	7	bcqrh	6	c.bcq	*	46	32	0.23
	Belmullet ...	29.88	47	WNW	7	bqp	29.87	+.15	46	40	+2	WNW	7	bcqp	*	bcqp	*	48	37	0.20
	Donaghadee ...	29.61	46	NNE	5	bc	29.62	+.43	38	37	-7	NW	5	cq	5	bcq	*	48	37	0.11
	Liverpool (Bidston)	29.54	45	WNW	8	0	29.57	+.54	42	38	-4	N	8	bc	8	or	*	47	37	0.04
	Holyhead ...	29.67	46	NW	9	cqjp	29.66	+.56	44	40	-1	NW	9	bc	7	oqp	*	46	39	0.21
	Parsonstown ...	29.88	45	NW	1	r	29.83	+.32	43	39	-1	NW	2	cqjp	*	cqjp	6.8	51	39	0.01
	Valencia ...	30.06	48	W	7	cq	29.98	+.13	46	42	-1	NW	6	oqjp	6	cqjp	6.8	54	43	0.15
	Roche's Point ..	29.90	47	NNW	4	bc	29.88	+.29	44	41	-3	NNW	6	bc	5	bcq	*	49	43	0.05
	Pembroke (St. Ann's Hd.)	29.78	48	NW	7	bc	29.78	+.50	45	43	-1	NW	7	c	5	bcq	2.0	49	40	-
	Scilly	29.96	50	WNW	8	r	29.87	+.25	50	50	-1	WNW	6	m	5	c.r	8.0	56	44	0.07
	Prawle Point ...	29.76	46	NW	7	c	29.79	+.37	43	42	-2	NNW	4	oqp	4	cqp	*	50	42	0.10
	Jersey (St. Anbin's)	29.77	51	W	8	cqjm	29.81	+.22	49	48	-1	WNW	4	orm	4	o.cqjm	*	52	44	0.11
	Hurst Castle ...	29.57	46	WNW	7	oqjp	29.69	+.40	46	43	-2	WNW	6	c	4	c.opq	*	54	43	0.06
	Dungeness ...	29.35	46	WNW	7	0	29.59	+.33	48	44	0	WNW	6	bc	5	cq.o	*	54	40	0.07
	North Foreland																*			
	London (Brixton) ...	29.39	46	NW	6	oqjp	29.61	+.39	44	39	-4	NW	6	bcq	*	oqjr.q	0.5	52	41	0.1
	Oxford	29.58	45	WNW	7	0	29.63	+.49	43	39	-4	W	3	b	*	oqp	*	52	40	0.04
	Cambridge ...	29.38	45	NW	4	0	29.56	+.41	42	39	-4	WNW	5	b	*	orq	0.7	51	39	0.37
	Yarmouth ...	29.18	46	NW	5	r	29.42	+.26	41	39	-7	NW	6	cqh	4	r	*	52	38	0.62
GERMANY & HOLLAND.	Cuxhaven ...	29.26	47	SW	2	0	29.14	-.27	45	44	+3	SW	2	op	*	op	*	58	42	0.59
	Berlin	29.41	50	SW	2	0	29.33	-.36	47	44	+4	SW	3	b	*	o	*	57	41	0.20
	Wiesbaden ...	*	*	*	*	*	29.60	-.15	44	41	-7	W	1	b	*	*	*	55	44	0.16
	Munich	29.69	41	W	7	0	29.60	-.28	42	39	-6	SW	7	0	*	0	*	63	39	0.32
	The Helder ...	29.14	46	SW	1	0	29.27	-.01	43	41	-4	NW	5	0	6	0	*	50	43	0.16
BELGIUM.	Brussels ...	*	*	*	*	*	29.53		42	39		WNW	7	0	*	0	*	51	37	0.47
	Cape Gris Nez	?	46	NW	6	0	?	?	44	42	-4	NW	6	0	6	0	*	50	39	0.24
	Paris ...	29.61	46	NSW	4	r	29.76	+.07	44	41	-4	NSW	5	c	*	r	*	57	43	0.12
	Brest ...	29.97	50	NW	5	c	30.01	+.16	50	48	0	NW	5	c	5	c	*	52	45	-
	Lorient ...	29.97	50	NW	7	bc	30.02	+.19	50	48	+1	WNW	6	0	7	bc	*	61	45	0.04
FRANCE &	Rochefort ...	30.00	50	WNW	6	0	30.04	+.12	51	48	-3	WNW	5	0	3	bc.c	*	66	46	0.04
	Belfort ...	29.68	49	W	7	0	29.73	-.09	38	38	-12	W	7	r	*	0	*	57	37	0.12
	Lyons	29.86	52	W	3	bc	29.93	+.02	44	40	-7	WNW	4	r	*	bc	*	65	40	0.04
	Nice	29.74	51	SW	1	c	29.56	-.47	51	40	+3	NW	7	b	4	c	*	63	46	0.04
	Perpignan ...	29.95	54	NW	5	b	30.03	+.03	48	44	-7	NW	5	bc	*	b	*	68	?	0.04
	Biarritz ...	30.17	53	WNW	6	r	30.17	+.05	53	47	0	NW	5	c	4	r	*	57	50	0.08
PENINSULA	Corunna ...																*			
	Lisbon ...	30.26	55	N	5	b	30.23	-.06	55	47	-4	N	5	b	*	b	*	66	50	-
	Azores (P. Delgada)	30.49	59	E	4	c	30.38	-.13	59	54	0	E	4	0	3	c	*	63	57	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 1.3 hrs;

WEATHER CHARTS

FOR Saturday, 8th April, 1899.

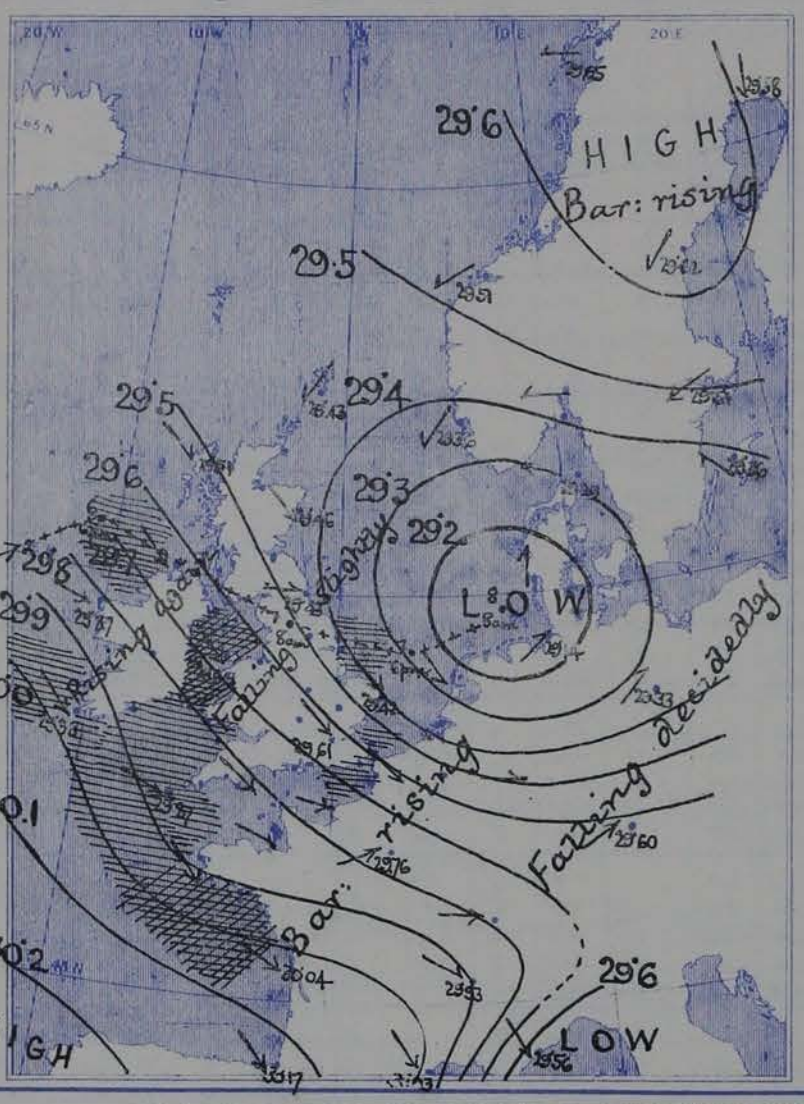
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ : Force 5 to 7 ⟶ : } Calm ⊙
Force 8 to 10 ⟶⟶ : Force 1 to 4 ⟶ : }

SEA—Rough : High

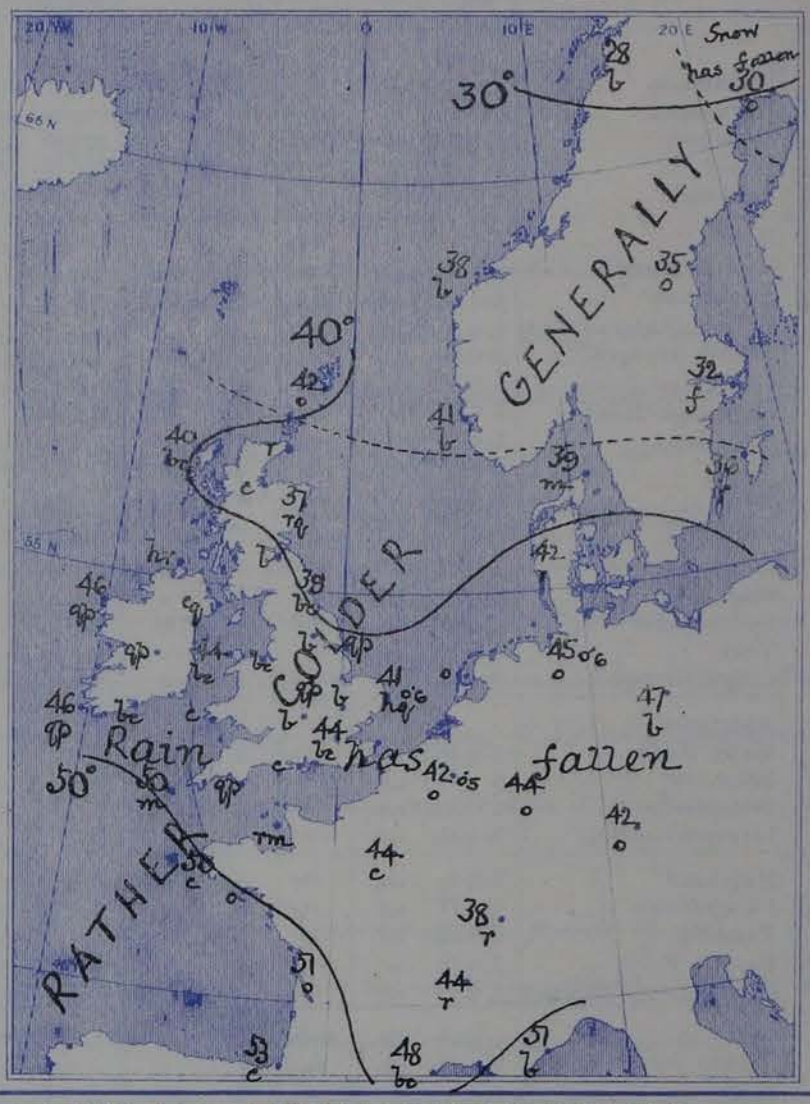


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67	1885	30	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81	1893	23	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·3	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69	1893	29	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·23 in: at Lisbon; 30·1 in: and upwards in an anticyclone covering the whole of the Spanish Peninsula, the Bay of Biscay and the extreme southwest of France.

Lowest, 29·2 in: and less, in a depression with its centre over the southeastern corner of the North Sea; 29·6 in: and less, in another disturbance over the Gulf of Genoa

Gradients steep over the extreme south of France, moderate to rather steep over the west and south of our Islands, slight in the north.

Barometer falling slightly in many parts of the United Kingdom, but rising again in the west of Ireland.

TEMPERATURE

Highest, 55° at Lisbon, 53° at Biarritz, 51° at Nice, 50° at Scilly, Brest and Lorient, and 49° at Jersey.

Lowest, 28° at Bodö, 30° at Haparanda, 32° at Stockholm, and 35° at Hernosand; lowest in our Islands 37° at Aberdeen.

The maxima registered yesterday were below 50° on most parts of our north and northwest coasts, and below 55° at all the southern stations except Scilly.

WIND

Strong from the NW. on all the English, Irish, and French coasts, with a gale in the Irish Sea.

Moderate to strong from the W. or SW. over the Netherlands, Germany, and the northeast of France.

E. or NE. over Scandinavia and the north of Denmark, as well as in the northeast of Scotland.

WEATHER

Fine in places, but squally and showery over the United Kingdom as a whole.

Fine in the west of Norway, and also in the extreme south of France, but cloudy in the western parts of the Continent generally, with rain in several places.

Rain fell yesterday over nearly the whole of Western Europe, the largest amount being 0·6 in: at Yarmouth and Cherbourg, and 0·5 in: at Brussels. Thunder was heard at Loughborough.

SEA

Very high at Liverpool, high at Holyhead and Lorient, and rough or rather so on nearly all the English, Irish, and French coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression of yesterday is travelling away in an easterly direction, but small secondary systems are apparently moving southeastwards across our Islands. Strong NW. winds seem likely to continue for a time in most districts, with squally, showery weather.

FORECASTS

For the 24 hours ending at NOON on 9TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. winds, fresh or strong; changeable, some cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW. winds, strong; squally, some cold showers.
6	SCOTLAND WEST	NW. winds, strong, a gale in places; squally, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 3·30 pm yesterday to districts 3 and 5 Hoist North Cone, and at 7·40 pm to district 10 Hoist South Cone. Signals are flying except in district 8.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.43	51	42	E	4	bc	3	Valencia	30.02	49	43	NW	7	c q	7
Sumburgh Head	29.49	45	41	ENE	1	b	4	Scilly	29.86	51	48	WNW	9	c	7
Stornoway	29.56	47	44	N	4	c	4	Jersey	29.65	50	47	W	8	o	6
Aberdeen	29.42	41	40	N	6	o q r q	7	Hurst Castle ...	29.41	51	47	WNW	8	c	4
Shields	29.19	47	45	NNE	3	c	2	Dungeness ...	29.19	51	49	WNW	8	c q	7
Ardrossan								North Foreland							
Malin Head ...	29.59	45	42	NNW	7	c	6	London (Westminster)	29.20	51	47	NW	5	c q p	#
Belmuliet ...	29.89	48	43	WNW	7	bc	#	Yarmouth	29.09	51	48	W	3	r	3
Holyhead ...	29.42	45	43	NW	9	o q m p	7	Rochefort ...	30.00	55	54	WNW	6	bc	#

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

Weather in morning cloudy over the western, northern and central Europe generally, with rain in many parts of the United Kingdom, as well as in the southwest of France, Denmark, North Germany, and at Kuopio and Christiansund, snow falling at Haparanda. Fine over the Spanish Peninsula, Italy, and the Mediterranean, as well as in the south of Sweden. Rain falling during day in nearly all parts of Western Europe; thunder heard at Loughborough.

Temperature fallen in most of the northwestern and northern countries, changed rather irregularly elsewhere. Morning readings highest 66° at Algiers, 61° at Nemours, and 59° at Thiele, Barcelona and San Fernando, above 55° in many parts of southern Europe. Lowest 24° at Moscow, 32° at Bodø, 33° at Hango, 34° at Karlstad; below 40° in the east of Scotland. Daily maxima below 55° in nearly all parts of the United Kingdom, and below 50° at most of our northern and northwestern stations. Thermometer exceeding 60° in the west and south of France, and reaching 68° at Perpignan.

Wind blowing a gale from the NE^{ly} in the east of Scotland, from the Nth or NW^{ly} in all our own west and southwest coasts, and from the W^{ly} in the English Channel – gale severe at Scilly. Strong from the W^{ly} in the west of France, moderate to fresh from the SW^{ly} or Sth over the Netherlands and the eastern and central parts of England; SE over Denmark and North Germany. Variable over the northern part of Scandinavia and also in the south of Russia, calm in Austria, E or NE over Northern Italy. Subsequently veering to the NW^{ly} or Nth over England; gale in west moderating slightly.

Barometer highest 30·2 in: and upwards in the western parts of the Spanish Peninsula and also in the extreme south of Russia. Lowest 29·1 in: in a deep depression with its centre over the north of England; 29·4 in: and less: in a shallow disturbance over the southwest of Finland. Depression over our Islands subsequently moving eastwards to the North Sea; barometer rising briskly in its rear.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 9th April, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 3.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.77	24	Z	0	b	29.80	+ .22	24	22	− 6	N	2	o	≡	b	≡	37	23	—
	Hernösand ...	29.74	32	NE	2	o	29.75	+ .13	32	31	− 3	N	2	s	≡	o	≡	?	30	0.08
	Stockholm ...	29.51	34	NE	6	s	29.58	+ .07	35	35	+ 3	ENE	2	f	≡	s	≡	37	30	—
	Wisby	29.47	37	S	4	f	29.54	+ .18	38	37	0	S	4	c	≡	f	≡	41	32	0.04
	Karlstad ...	29.52	35	NE	4	s	29.59	+ .12	34	33	− 3	NE	2	s	≡	s	≡	≡	≡	0.04
	Bodö	29.71	30	ENE	4	b	29.75	+ .10	30	26	+ 2	ENE	4	b	1	b	≡	32	25	—
	Christiansund ...	29.58	37	ENE	1	b	29.59	+ .08	36	34	− 2	E	1	b	4	b	≡	39	28	—
	Skudesnaes ...	29.49	45	N	4	b	29.64	+ .28	39	37	− 2	E	2	b	1	c.b	≡	50	37	≡
	Færder (Christiania Fjord)	29.50	38	NE	4	o	29.60	+ .19	37	35	− 1	NNE	4	o	2	o	≡	39	36	—
	Skagen (The Scaw)	29.41	37	E	5	r	29.54	+ .25	36	35	− 3	ENE	4	m	1	r	≡	41	36	0.20
	Fanö	29.31	42	SSW	2	o	29.51	+ .33	40	39	− 2	NE	3	o	≡	o	≡	46	39	—
British Islands.	Sumburgh Head	29.61	41	N	1	bc	29.67	+ .24	41	40	− 1	NW	1	c	3	c.b.	≡	47	36	0.06
	Stornoway ...	29.73	44	N	4	r	29.73	+ .22	41	40	+ 1	WNW	3	bc	3	c.ph.r	9.0	47	33	0.10
	Wick ...	29.65	45	NE	2	o	29.72	+ .25	44	43	+ 6	N	2	bc	2	o	≡	48	33	0.10
	Nairn	29.71	46	W	1	c	29.75	+ .26	44	41	+ 6	WNW	1	b	1	c	≡	49	33	0.01
	Aberdeen ...	29.65	42	NW	3	bc	29.76	+ .30	44	40	+ 7	NW	3	bc	2	cpq.bc	5.2	46	35	0.04
	Leith	29.68	45	NNW	3	b	29.78	+ .30	46	42	+ 3	WSW	2	b	≡	b	≡	56	31	—
	Shields	29.66	43	N	3	bc	29.82	+ .39	45	41	+ 6	WSW	2	b	3	rhp.bc	≡	45	34	0.02
	Spurn Head ...	29.57	43	NNW	6	c	29.83	+ .42	41	39	0	WNW	4	bq	4	c	≡	47	38	—
	York	29.65	44	N	2	b	29.85	+ .37	43	38	+ 1	W	1	b	≡	b	?	49	34	0.01
	Loughborough ...	29.69	41	NW	5	c	29.90	+ .35	41	39	+ 1	W	2	cir	≡	qrs.bc	≡	47	34	0.13
	Ardrossan ...																≡			
	Malin Head ...	29.82	44	NW	6	crq	29.72	+ .15	37	37	− 4	S	5	r	3	crq	≡	45	37	0.14
	Belmullet ...	30.00	47	NNW	4	b	29.74	− .13	50	50	+ 4	W	6	r	≡	b	≡	50	42	0.45
	Donaghadee ...	29.83	45	NNW	4	c	29.85	+ .23	40	39	+ 2	WSW	3	cd	3	sp.c	≡	48	38	0.02
	Liverpool (Bidston)	29.74	43	WNW	6	b	29.87	+ .30	44	42	+ 2	W	3	o	4	b	≡	47	38	—
	Holyhead ...	29.81	46	NW	7	cpq	29.89	+ .23	42	40	− 2	WSW	2	dm	2	bkq.cpq	≡	47	40	0.02
	Parsonstown ...	29.96	48	NW	1	b	29.80	− .03	47	46	+ 4	SW	1	r	≡	bq	10.1	52	39	0.11
	Valencia ...	30.00	48	WNW	5	cm	29.91	− .07	52	51	+ 6	WNW	6	omq	5	bq.cm	8.3	54	43	0.04
	Roche's Point ..	30.00	48	NNW	6	bq	29.92	+ .04	51	50	+ 7	WNW	3	cm	4	bq	≡	51	44	—
	Pembroke (St. Ann's Hd.)	29.89	48	NW	6	bc	29.96	+ .18	44	44	− 1	WSW	3	o	4	bc	9.6	49	42	—
	Scilly	30.03	50	NW	6	c	30.00	+ .13	51	50	+ 1	W	4	op	4	c	7.3	55	45	0.12
	Prawle Point ...	29.90	47	NNW	6	c	30.01	+ .22	46	43	+ 3	WSW	3	og	3	c	≡	52	39	—
	Jersey (St. Aubin's)	29.87	50	WNW	5	bc	30.06	+ .25	50	45	+ 1	WNW	4	om	4	rg.bc	≡	52	45	0.26
	Hurst Castle ...	29.78	48	NW	5	bcp	29.98	+ .29	45	42	− 1	W	2	cm	3	crs.bq	≡	51	38	0.05
	Dungeness ...	29.60	43	NNW	5	c	29.92	+ .33	42	40	− 6	WNW	3	b	2	otnq.c	≡	50	33	0.11
	North Foreland																≡			
	London (Brixton) ...	29.68	45	NNW	6	bc	29.92	+ .31	44	40	0	WNW	2	b	≡	t.spq.b	7.5	49	33	0.02
	Oxford	29.80	42	NW	8	b	29.95	+ .32	42	40	− 1	W	3	b	≡	rsq.b	≡	49	34	—
	Cambridge ...	29.66	41	NNW	4	ow	29.92	+ .36	41	39	− 1	W	2	bw	≡	pq.ow	6.3	49	34	0.06
	Yarmouth ...	29.51	43	NW	6	cq	29.84	+ .42	42	40	+ 1	NW	4	c	3	cq	≡	47	36	0.03
Germany & Holland.	Cuxhaven ...	29.41	43	W	3	o	29.49	+ .35	42	41	− 3	NW	5	or	≡	o	≡	45	41	0.04
	Berlin	29.37	45	SW	3	o	29.58	+ .25	40	38	− 7	W	2	b	≡	o	≡	52	37	—
	Wiesbaden ...	≡	≡	≡	≡	≡									≡	≡	≡			
	Munich	29.50	40	W	6	b	29.82	+ .22	36	34	− 6	W	5	o	≡	b	≡	46	32	0.16
	The Helder ...	29.36	42	NW	4	r	29.72	+ .45	44	41	+ 1	NNW	4	bc	4	r	≡	44	41	0.16
Belgium. France &	Brussels ...	≡	≡	≡	≡	≡									≡		≡			
	Cape Gris Nez ...	?	38	N	4	o	?	?	41	40	− 3	NNW	4	bc	4	o	≡	46	34	0.08
	Paris	29.69	41	NW	5	r	29.99	+ .23	41	38	− 3	W	2	b	≡	r	≡	50	36	0.16
	Brest	30.00	47	NW	5	c	30.09	+ .08	48	46	− 2	NW	2	o	3	c	≡	52	41	0.08
	Lorient	30.00	48	NNW	7	b	30.11	+ .09	48	45	− 2	NW	3	o	4	b	≡	55	43	0.04
	Rochefort ...	29.92	53	NW	6	c	30.10	+ .06	50	46	− 1	NNW	4	c	≡	c	≡	55	45	0.04
	Belfort	29.55	32	WSW	2	s	29.90	+ .17	32	32	− 6	WSW	6	s	≡	s	≡	50	32	0.28
	Lyons	29.68	42	SW	2	r	30.04	+ .11	38	36	− 6	NW	3	o	≡	s	≡	53	35	0.12
	Nice	29.57	51	NW	3	bc	29.54	− .02	48	35	− 3	NW	7	b	4	bc	≡	68	45	—
	Perpignan ...	29.95	56	NW	5	c	30.07	+ .04	48	41	0	NW	4	o	≡	c	≡	61	46	—
	Biarritz ...	30.09	55	W	6	r	30.13	− .04	53	47	0	N	3	bc	5	r	≡	55	46	0.12
Peninsula.	Corunna ...	30.29	55	NW	3	o	30.30	− .10	52	50	− 2	WNW	1	f	5	o	≡	57	46	—
	Lisbon	30.17	59	NNE	5	b	30.13	− .10	59	50	+ 4	W	5	b	≡	b	≡	70	52	—
	Azores (P. Delgada)	30.28	57	E	4	o	30.18	− .20	55	54	− 4	E	4	c	3	o	≡	64	54	0.04

For Explanation of Columns, see bottom of last page.

† *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 8.9 hrs;

WEATHER CHARTS

FOR Sunday, 9th April, 1899.

BAROMETER, WIND AND SEA.

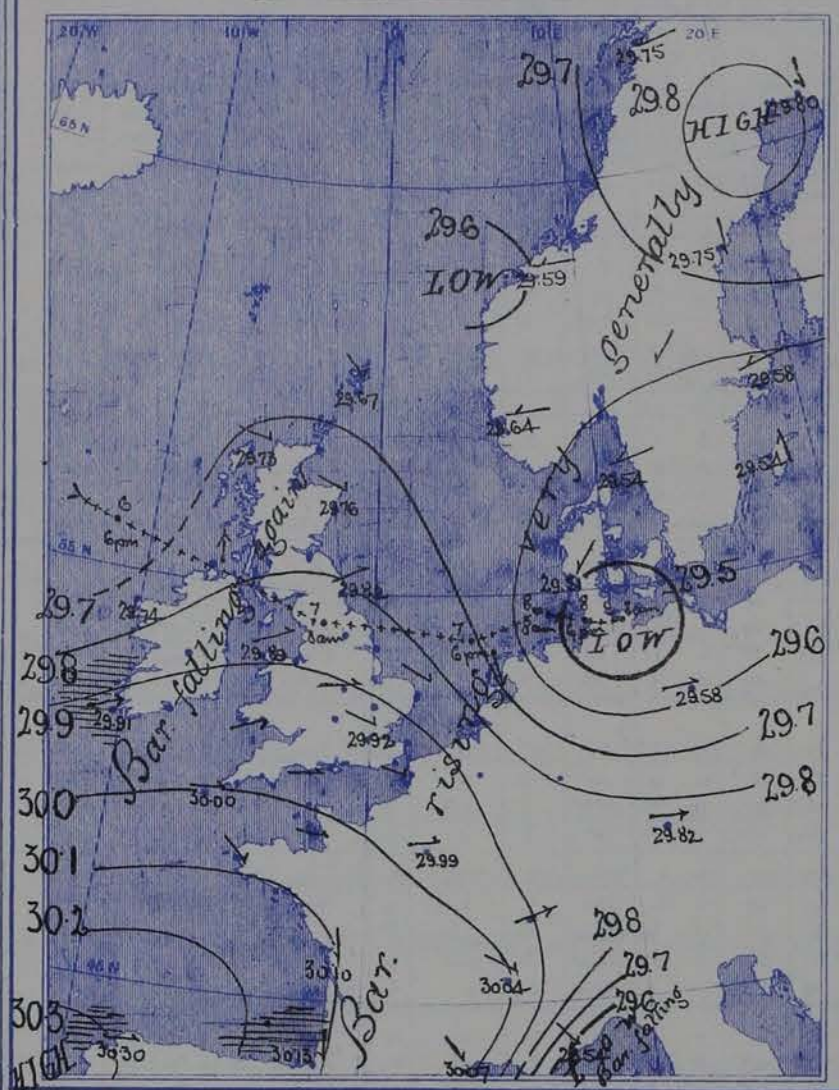
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▬ ; High ▬

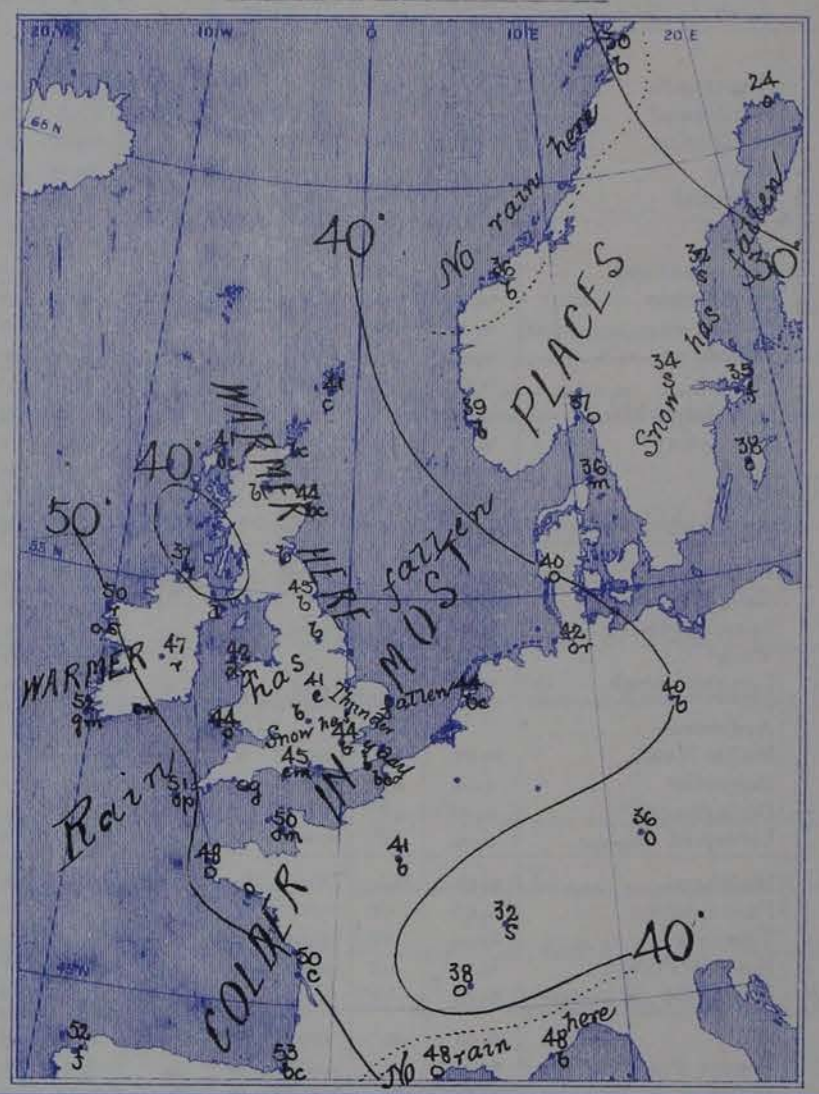


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF APRIL.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(*Inches.*)	°	°	°	°					(*Inches.*)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7		—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7		—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	51·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69	1893	29	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	195·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·30 ins: at Coruna; 30·1 ins: and upwards in an anticyclone lying over the whole of the Spanish Peninsula and the Bay of Biscay
Lowest, 29·5 ins: and less, in a depression over Denmark and North Germany; 29·7 ins: and less in another disturbance approaching our extreme northwest coasts.
Gradient slight generally, but steep over the south of France
Barometer rising over Western Europe as a whole, but falling again on our own eastern coasts.

TEMPERATURE

Highest, (1) 59° at Luton, 53° at Biarritz, and 52° at Coruna; (2) 52° at Valencia (Ireland), and 51° at Rochenbrint and Scilly.
Lowest (1) 24° at Haparanda, 30° at Boda, and 32° at Hernösand; (2) 32° at Belfast and 36° at Munich; (3) 37° at Malin Head.
During yesterday the thermometer rose to 50° or slightly above it in several parts of our eastern and southern coasts, and to 56° at Leith.

WIND

Light or moderate from the W. over the greater part of our Islands, but strong in the west of Ireland; N. or NW. in the north of Scotland.
Light to moderate from between N. and E. over Scandinavia and Denmark; W. in Germany.
NW. over the greater part of France, and strong to a gale in force at Nice.

WEATHER

Fine over the northern and eastern parts of Great Britain, as well as on the Norwegian coasts, and at some stations in the south of France.
Cloudy or dull elsewhere, with rain in Ireland and also at Carthaven; snow is falling at Hernösand and Marlstad.
Strong squalls of hail or snow occurred yesterday in many parts of our Islands and France, and thunder occurred in London and at Dungeness.

SEA

Moderate or slight generally, but rather rough at Valencia (Ireland) and also at Biarritz and Coruna.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 10TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 9.35 am to districts 7.8. and 9 "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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.41	50	42	ENE	4	c	2
Sumburgh Head	29.54	45	41	NE	1	c	4
Stornoway	29.64	47	43	NNW	4	c	4
Aberdeen	29.57	44	40	NNW	6	cpq	4
Shields	29.57	42	39	N	3	r	3
Ardrossan							
Malin Head ...	29.71	43	42	NW	6	bc	6
Belmullet	29.97	49	42	NNW	5	b	*
Holyhead	29.74	49	42	NW	8	bq4p	6
Valencia	30.05	50	43	WNW	5	bq	?8
Scilly	29.95	51	46	NW	6	c	5
Jersey	29.82	51	46	NW	5	bc	4
Hurst Castle ...	29.69	51	44	NW	6	crsp	4
Dungeness ...	29.54	46	42	NW	6	otrq	5
North Foreland							
London (Westminster)	29.58	45	41	NW	6	osqp	*
Yarmouth ...	29.44	45	41	NW	5	bc	4
Rochefort ...	29.96	52	50	W	5	r	*

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

Weather in morning fine in places, but showery and squally over the United Kingdom generally. Dull and unsettled over the greater part of the Continent, with rain in several parts of Austria and Central France, as well as at Vichy and Jassy; fine over the Spanish Peninsula and the extreme south of France and also in the west of Norway. Snow and hail showers occurring later in many parts of England and France; thunderstorms reported in the southeast of England.

Temperature fallen in the western and central countries, but risen elsewhere. Morning readings highest 64° at Oran, 62° at Palermo and 61° at Algiers; above 55° at the Mediterranean and Adriatic stations generally. Lowest 30° at Haparanda, 31° at Archangel and Moscow, and 32° at Hangö, Helsingfors, and Stockholm; below 40° at several of our own northern stations. Rising during day to 50° or slightly above it on many parts of our western and southern coasts, and to 56° at Leith; exceeding 60° in the west and south of France, and reaching 70° at Lisbon. Ground frost occurring over England at night.

Wind fresh to strong from the NW^ed over our Islands, France, and the western parts of the Mediterranean, with a gale in the North Sea as well as in the extreme south of France. SW^3 or S^3 over Italy and Germany; SE^3 in Denmark; E^3 or NE^3 in Scandinavia; variable in Austria; light from the S^ern over Russia. N^3 over the Spanish Peninsula. Subsiding a little later on our own western coasts; no important change occurring elsewhere.

Barometer highest 30·1 ins: to 30·4 ins: in an anticyclone over the Bay of Biscay and the Spanish Peninsula; 30·0 ins: and upwards in another system over the southern part of Russia. Lowest 29·2 ins: and upwards in a well marked depression lying over the southeastern part of the North Sea; 29·6 ins: and less, in another disturbance over northern Italy and the Gulf of Genoa. Depression over North Sea moving eastwards later; small secondary systems passing southeastwards across 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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 10th April, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.78	34	SW	0	o	29.49	-.31	32	32	+8	NE	4	c	5	0	#	43	21	0.24
	Hernösand ...	29.63	34	SW	0	s	29.26	-.49	35	34	+3	SW	0	0	#	s	#	36	28	0.43
	Stockholm ...	29.58	37	SW	0	fg	29.58	.00	38	37	+3	SSW	2	0	#	fg	#	41	32	0.12
	Wisby	29.65	37	SW	4	bc	29.62	+.08	40	39	+2	SSW	4	0	#	bc	#	45	32	0.08
	Karlstad ...	29.58	34	N	2	r	29.58	-.01	36	35	+2	W	2	r	#	r	#	#	#	0.08
	Bodö	29.72	35	E	2	bc	29.68	-.17	35	31	+5	E	2	c	1	bc	#	39	27	-
	Christiansund ...	29.59	40	E	2	c	29.55	-.04	38	35	+2	WSW	2	bc	3	c	#	41	30	0.04
	Skudesnaes ...	29.67	40	NNW	2	b	29.61	-.03	38	36	-1	N	1	b	1	b	#	46	32	#
	Færder (Christiania Fjord)	29.60	40	N	1	o	29.56	-.04	35	35	-2	SSE	1	fg	1	o	#	41	35	-
	Skagen (The Scaw)	29.63	38	NW	2	o	29.60	+.06	40	39	+4	WSW	3	bc	0	o	#	41	36	0.04
	Fanö	29.74	39	W	1	o	29.67	+.16	40	38	0	WNW	1	b	#	o	#	43	37	-
British Islands.	Sumburgh Head	29.63	44	W	1	bc	29.55	-.12	40	38	-1	S	0	c	3	bc	#	45	32	-
	Stornoway ...	29.60	46	E	1	o	29.57	-.16	40	39	-1	S	0	c	0	c. o	4.0	48	36	0.12
	Wick	29.63	42	N	2	bc	29.53	-.19	44	43	0	E	1	c	1	hp.bc	#	49	35	0.10
	Nairn	29.59	44	E	2	bc	29.55	-.20	44	41	0	S	0	b	0	bc	#	52	37	-
	Aberdeen ...	29.65	42	S	2	c	29.54	-.22	41	39	-3	W	2	ogp	1	c	7.7	49	39	0.05
	Leith	29.63	47	E	1	c	29.50	-.28	40	39	-6	NE	3	o	#	c	#	50	38	0.28
	Shields	29.68	44	SE	2	ou	29.43	-.39	41	41	-4	NW	2	o	3	o,r	#	47	39	0.23
	Spurn Head ...	29.71	42	SSW	4	r	29.42	-.41	48	47	+7	W	4	r	3	bc.r	#	51	41	0.33
	York	29.70	42	SE	1	r	29.43	-.42	49	48	+6	WSW	1	o	#	o,r	?	50	41	0.26
	Loughborough ...	29.70	43	ESE	2	r	29.52	-.38	52	50	+11	W	2	c	#	c.o.m.p	#	51	41	0.22
	Ardrossan ...																#			
	Malin Head ...	29.50	48	SW	3	rf	29.57	-.15	45	42	+8	NNW	4	c	3	r.rf	#	48	36	0.43
	Belmullet ...	29.64	51	W	4	op	29.78	+.04	46	45	-4	N	3	r	#	r.p	#	51	45	0.21
	Donaghadee ...	29.58	46	S	3	mrg	29.53	-.32	43	42	+3	W	4	og	4	gmr	#	49	40	0.41
	Liverpool (Bidston)	29.62	48	W	3	r	29.51	-.36	49	47	+5	W	7	o	6	rm	#	50	41	0.60
	Holyhead ...	29.65	50	WSW	5	gmr	29.56	-.33	48	47	+6	W	6	op	4	gmr	#	50	40	0.55
	Parsonstown ...	29.69	52	SW	2	r	29.68	-.12	49	47	+2	SW	1	o	#	or	0.0	53	39	0.17
	Valencia ...	29.82	53	WSW	7	o	29.77	-.14	51	50	-1	W	3	om	4	ogm	0.0	54	50	0.02
	Roche's Point ..	29.80	55	WNW	5	c	29.76	-.16	53	51	+2	WNW	5	c	4	c	#	58	50	-
	Pembroke (St. Ann's Hd.)	29.77	50	W	6	r	29.68	-.28	50	49	+6	WNW	6	bc	5	or.q	0.0	50	44	0.06
	Scilly	29.95	53	W	5	c	29.84	-.16	51	50	0	W	6	m	4	c	0.2	55	49	0.02
	Prawle Point	29.89	50	WSW	4	c	29.77	-.24	50	49	+4	W	5	o	4	c	#	52	45	0.01
	Jersey (St. Aubin's)	29.98	52	WSW	4	omqp	29.87	-.19	52	51	+2	WSW	5	ogpm	4	ogpm	#	53	47	0.03
	Hurst Castle ...	29.83	49	WSW	4	om	29.69	-.29	51	50	+6	WSW	5	cm	3	c.or.o	#	51	44	0.08
	Dungeness ...	29.88	46	SW	3	r	29.61	-.31	49	48	+7	WSW	5	r	4	r	#	53	42	0.21
	North Foreland																#			
	London (Brixton) ...	29.80	44	S	3	r	29.61	-.31	53	50	+9	SW	3	o	#	bc.or.qp	5.0	54	44	0.27
	Oxford	29.72	50	SW	3	o	29.60	-.35	52	50	+10	W	4	op	#	c.or	#	52	42	0.28
	Cambridge ...	29.77	43	SSW	2	r	29.54	-.38	52	51	+11	WSW	4	q	#	bc.r	5.0	53	39	0.28
	Yarmouth ...	29.80	47	SW	3	o	29.46	-.38	51	50	+9	WSW	3	r	3	o	#	51	40	0.15
Germany & Holland.	Cuxhaven ...	29.75	43	WNW	2	c	29.65	+.16	39	37	-3	S	2	bc	#	c	#	45	36	-
	Berlin	29.75	43	SW	3	o	29.89	+.25	40	39	0	N	0	b	#	o	#	50	37	-
	Wiesbaden ...	#	#	#	#	#	29.80		40	40		N	0	r	#	#	#	48	37	0.39
	Munich	30.03	38	W	6	bc	29.99	+.17	40	36	+4	SW	3	bc	#	bc	#	41	34	0.04
	The Helder ...	29.83	43	W	1	c	29.44	-.28	43	43	-1	SSE	1	r	1	c	#	45	39	0.16
Belgium.	Brussels ..	#	#	#	#	#	29.63		48	48		SW	5	r	#	o	#	51	38	0.47
	Cape Gris Nez ..	?	45	WSW	4	r	?	?	49	48	+8	W	6	r	6	r	#	50	37	1.06
	Paris	30.01	50	SW	2	o	29.86	-.13	50	48	+9	SW	4	o	#	o	#	57	41	-
	Brest	30.00	51	NW	3	o	29.97	-.12	51	50	+3	W	2	b	3	o	#	54	48	-
	Lorient	30.06	53	W	4	m	30.00	-.11	51	50	+3	W	5	c	7	m	#	59	50	-
France &	Rochefort ...	30.08	52	SW	4	o	30.06	-.04	54	52	+4	NW	4	o	#	o	#	59	48	-
	Belfort	30.01	37	SSW	3	o	29.97	+.07	37	32	+5	WSW	3	r	#	o	#	45	32	0.16
	Lyons ...	30.12	43	W	1	b	30.15	+.11	44	41	+6	SW	1	o	#	b	#	52	36	-
	Nice	29.82	52	W	0	b	29.97	+.43	52	41	+4	E	2	b	1	b	#	63	43	-
	Perpignan .	30.10	54	NW	3	b	30.14	+.07	53	49	+5	NW	2	b	#	b	#	59	46	-
	Biarritz ..	30.16	55	NW	3	c	30.12	-.01	52	50	-1	WNW	3	c	3	c	#	59	50	
Peninsula.	Corunna ...																#			
	Lisbon ...	30.03	65	N	4	b	30.02	-.11	61	52	+2	NNE	5	b	#	b	#	75	57	-
	Azores (P. Delgada)	30.08	59	ESE	4	o	30.07	-.11	58	54	+3	NNE	3	c	3	o	#	64	55	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Monday, 10th April, 1899.

BAROMETER, WIND AND SEA.

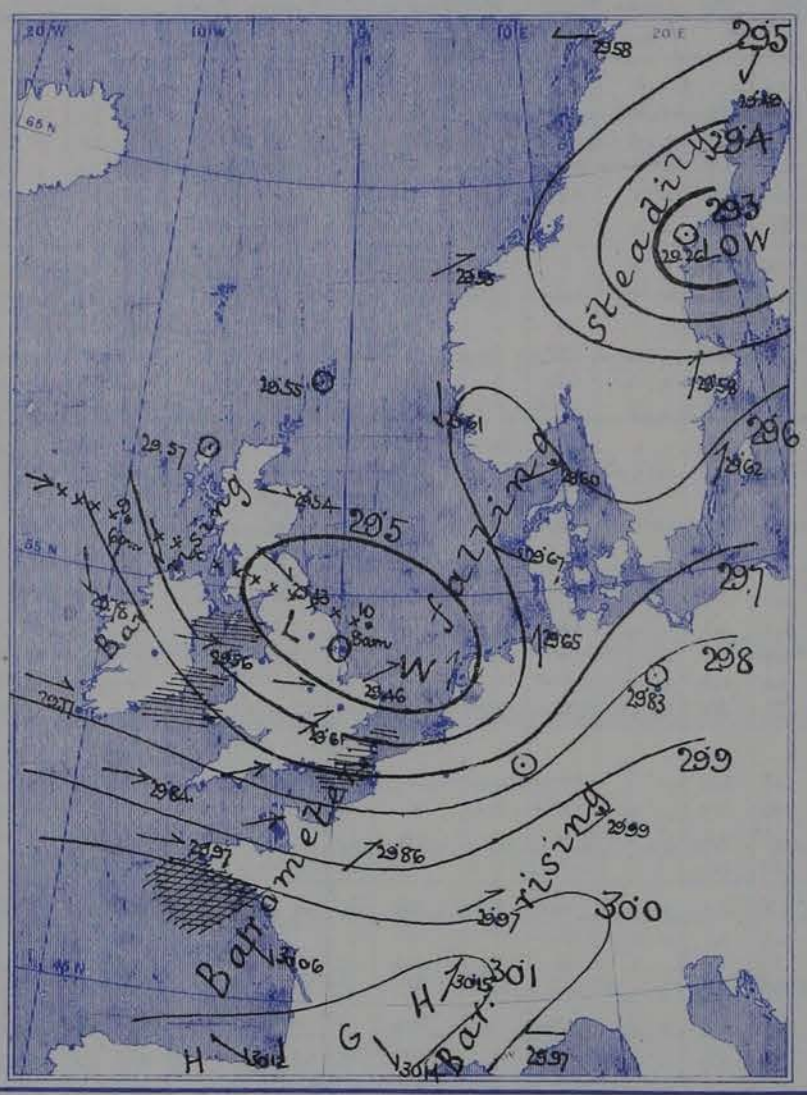
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

Force 8 to 10 ➝ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ≡ ; High ▬

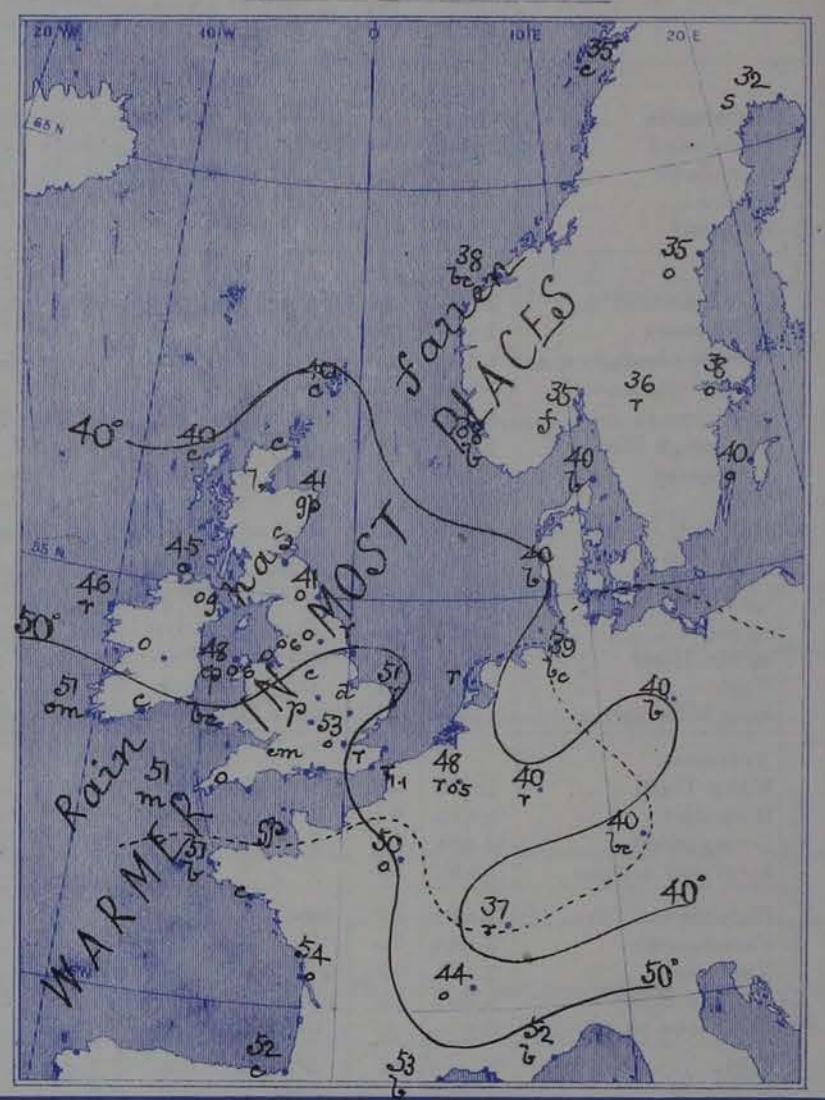


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67	1885	30	1881 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81	1893	23	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	51·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69	1893	29	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and upwards in an anticyclone lying over Spain and the southern part of France.
Lowest, 29·3 ins and less, in a depression over the central parts of Sweden; 29·5 ins: and less in another disturbance over the north and east of England and the adjacent parts of the North Sea.
Gradient moderate or slight generally.
Barometer falling in England and the western parts of the Continent, but rising again on our extreme northwest coasts.

TEMPERATURE

Highest, 61° at Lisbon, 54° at Rochefort, and 53° at Rockerpoint, London, and Perpignan.
Lowest, (1) 32° at Haparanda and 35° at Hernösand and Bodö; (2) 37° at Belfort; (3) 40° at Lumburgh Hd., Stornoway, and Leith.
During yesterday the thermometer rose to 50° and upwards in most parts of the United Kingdom, to 55° at Scilly, and 58° at Rockerpoint

WIND

Fresh to strong from the W.ard on most parts of our western and southern coasts, and moderate from the same quarter in the Bay of Biscay.
Calm in the north of Scotland; N. in the north of Ireland.
S. or SW. over Denmark, Germany, and the south of Scandinavia; E. or NE. in the north of Scandinavia.

WEATHER

Cloudy and unsettled over Western Europe generally, with rain in the east of England, the Netherlands, and western Germany, and passing showers at several of our own western and northern stations.
Fair in Denmark, North Germany, and the west of Norway, dull in Sweden, with rain at Karlstad and snow at Haparanda.
Rain fell yesterday in most parts of northwestern Europe, the largest amounts being 1·1 ins: at C. Gris Nez, and 0·6 ins: at Liverpool and Holyhead.

SEA

High at Lorient, and rough at Liverpool and Cape Gris Nez, and rather rough at Pembroke, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our northwest coasts last evening has moved eastwards and now has its centre off the northeast of England. Small secondary disturbances are apparently advancing in its rear, and changeable, showery weather seems likely to continue for a time over Ireland and England.

FORECASTS

For the 24 hours ending at NOON on 11TH APRIL 1899.

	DISTRICTS.	FORECASTS.
0	SCOTLAND NORTH	Calms or light N. airs; fair generally, but local showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W. to NW. winds, freshening; changeable, showery.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
↓ 5	ENGLAND SOUTH	W. winds, strong on coast; mild changeable, some showers.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
↓ 7	ENGLAND N.W.	NW. winds, strong, perhaps a gale; squally, showery.
↓ 8	ENGLAND S.W.	W. to NW. winds, strong; squally, showery.
↓ 9	IRELAND NORTH	Same as No. 7.
↓ 10	IRELAND SOUTH	Same as No. 8.

WARNINGS

At 7·10 pm yesterday to district 5 "Hoist South Cone" and to district 10 "Keep up Cone". The signals are still flying in districts 7, 8, and 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...							
Sumburgh Head							
Stornoway	29.65	47	43	SSE	2	0	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.56	42	42	S	4	7	3
Belmullet	29.68	51	51	W	6	7	*
Holyhead							
Valencia							
Scilly							
Jersey	30.03	49	47	SW	4	0	3
Hurst Castle ...							
Dungeness ...	29.90	50	46	WSW	4	6c	3
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.04	58	55	WNW	3	0	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 2ND TO THE 8TH APRIL 1899.

Throughout the greater part of the week barometrical pressure remained high over Southern Europe, the winds in that region being somewhat variable, and the weather mostly fair and warm. In the northern and northwestern countries, however, and occasionally in the central regions also the conditions were affected by depressions which advanced from the Atlantic, the winds varying between SW. and NW. with changeable weather, and in many places frequent falls of rain. In the early part of the week the depressions moved along in a track lying to the northward of our Islands, the passage of a large and deep disturbance on the 4th being attended by W. gales on all our more northern coasts. On the night of the 6th a still deeper system appeared off the northwest of Ireland, its centre passing eastwards next day across the south of England to the southern part of the North Sea. The progress of the depression was attended by gales from SW. or W. over nearly the whole of Ireland and England, the gale being very severe in the west; in the rear of the disturbance the wind veered to the NW. and on the 8th some very severe squalls were experienced over England, with showers of hail or snow, and thunderstorms in a few places. At the close of the week another depression was developed over the Gulf of Genoa, and the weather over Southern Europe was also becoming unsettled, with rain in several places, and strong NW. winds in the south of 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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 11th April. 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.50	31	NNW	2	s	29.64	+ .15	28	27	— 4	N	2	o	#	s	#	39	28	0.32
	Hernösand ...	29.59	34	2	o	f	29.61	+ .35	35	34	0	2	o	f	#	f	#	41	32	0.08
	Stockholm ...	29.62	37	SSE	1	o	29.59	+ .01	38	37	0	S	1	c	#	o	#	41	34	—
	Wisby	29.71	39	SW	4	b	29.53	— .09	37	37	— 3	SE	4	o	#	b	#	41	34	—
	Karlstad ...	29.59	36	W	2	b	29.52	— .06	36	35	0	E	2	r	#	b	#	#	#	—
	Bodö	29.55	36	NE	4	o	29.60	+ .02	33	31	— 2	E	2	o	1	o	#	39	30	—
	Christiansund ...	29.60	38	ESE	1	b	29.60	+ .05	36	33	— 2	ESE	1	b	3	b	#	38	30	—
	Skudesnaes ...	29.57	40	NNW	2	b	29.50	— .11	37	35	— 1	2	o	b	1	b	#	45	32	#
	Færder (Christiania Fjord)	29.56	39	SSE	2	o	29.49	— .07	36	35	+ 1	N	4	o	2	o	#	41	35	0.04
	Skagen (The Scaw)	29.57	40	SSE	1	o	29.41	— .19	39	37	— 1	ENE	4	o	1	o	#	46	37	0.04
	Fano	29.43	39	S	2	o	29.39	— .28	37	36	— 3	ENE	4	o	#	o	#	48	36	0.24
	Sumburgh Head	29.56	41	NW	2	bc	29.53	— .02	36	35	— 4	N	4	r	4	c, bc	#	45	34	0.18
	Stornoway ...	29.69	42	NE	4	c	29.85	+ .28	37	35	— 3	NNW	4	bc	4	hp, c	6.5	46	38	0.25
	Wick	29.60	40	NE	2	o	29.70	+ .17	40	39	— 4	N	5	bchp	1	o	#	45	32	0.12
	Nairn	29.64	40	W	1	r	29.80	+ .25	37	36	— 7	NNW	2	csp	3	r	#	51	34	0.33
	Aberdeen ...	29.60	35	NW	3	ornsq	29.71	+ .17	40	37	— 1	NW	7	bcq	4	qp, rsq	1.7	47	33	0.40
British Isls.	Leith	29.58	42	NE	1	c	29.77	+ .27	44	39	+ 4	WNW	3	bc	#	c	#	44	35	0.01
	Shields	29.59	41	N	3	ow	29.69	+ .26	36	34	— 5	WNW	3	c	3	ow, p	#	44	34	—
	Spurn Head ...	29.51	44	NW	5	o	29.63	+ .21	40	38	— 8	NW	5	cp	4	op	#	52	38	0.01
	York	29.57	45	NNW	2	o	29.71	+ .28	40	37	— 9	NW	3	b	#	o.c	?	53	34	0.02
	Loughborough ...	29.60	46	NW	4	c	29.73	+ .21	41	38	— 11	NW	3	bc	#	cpq, bc	#	56	37	0.12
	Ardrossan ...																#			
	Malin Head ...	29.69	41	NNW	3	cp	29.91	+ .34	41	39	— 4	NNW	5	b	3	bc, chp	#	46	36	0.17
	Belmullet ...	29.83	45	NNW	3	b	30.04	+ .26	44	41	— 2	N	4	r	#	bc, b	#	48	38	0.20
	Donaghadee ...	29.65	45	W	4	cp	29.87	+ .34	42	38	— 1	N	5	bc	5	cp	#	49	39	0.07
	Liverpool (Bidston)	29.64	45	NW	4	c	29.79	+ .28	43	38	— 6	NW	3	b	3	c	#	49	39	0.01
	Holyhead ...	29.67	46	WNW	3	c	29.82	+ .28	43	40	— 5	NNW	6	cpq	4	bc, c	#	49	40	0.04
	Parsenstown ...	29.79	46	NW	1	bc	30.01	+ .33	41	39	— 8	NW	1	bc	#	p, bc	5.5	53	35	0.03
	Valencia ...	29.91	47	NNW	5	bchpq	30.09	+ .32	44	42	— 7	N	5	cpq	5	oq, bchq	4.9	52	40	0.13
	Roche's Point ..	29.85	53	WNW	5	bc	30.02	+ .26	44	41	— 9	NNW	4	bc	4	bcq	#	54	40	0.02
	Pembroke (St. Ann's Hd.)	29.71	48	NW	4	o	29.91	+ .23	44	43	— 6	NNW	5	bc	4	c, o	4.2	51	42	0.02
	Scilly	29.80	52	W	6	c	29.94	+ .10	47	43	— 4	N	6	c	4	m, c	1.8	55	43	0.03
	Prawle Point ...	29.71	50	WSW	5	c	29.85	+ .08	46	43	— 4	NNW	5	bc	4	cp	#	52	38	—
	Jersey (St Aubin's)	29.79	52	W	4	fdp	29.82	— .05	48	43	— 4	WNW	5	bc	4	o fdp	#	53	44	0.07
	Hurst Castle ...	29.66	51	W	2	p	29.75	+ .06	45	43	— 6	NW	5	cp	3	cp	#	55	41	0.07
	Dungeness ...	29.57	50	WSW	6	cq	29.66	+ .05	42	41	— 7	NW	2	cp	1	cq	#	54	39	0.06
	North Foreland																#			
	London (Brixton) ...	29.59	50	WNW	3	bc	29.70	+ .09	42	40	— 11	NW	2	og	#	op, b	3.6	62	40	0.20
	Oxford	29.66	46	W	3	b	29.74	+ .14	43	39	— 9	NNW	4	bc	#	p, b	#	59	39	0.03
	Cambridge ...	29.59	48	NW	4	b	29.70	+ .16	40	39	— 12	NW	3	og	#	p, b	4.3	61	38	0.10
	Yarmouth ...	29.49	50	WNW	5	cq	29.60	+ .14	40	39	— 11	NW	4	c	4	cq	#	57	38	0.04
Germany & Holland.	Cuxhaven ...	29.38	45	SE	2	o	29.34	— .31	42	42	+ 3	NW	4	op	#	op	#	46	39	0.28
	Berlin	29.53	44	SSW	3	r	29.44	— .39	48	47	+ 8	SSW	1	o	#	r	#	50	39	0.20
	Wiesbaden ...	*	*	*	*	*	29.57	— .23	48	46	+ 8	N	1	o	#	*	#	54	40	0.75
	Munich	29.83	43	W	6	r	29.72	— .27	48	44	+ 8	SW	5	r	#	r	#	48	39	0.04
	The Helder ...	29.44	46	W	3	b	29.51	+ .07	42	40	— 1	NNW	2	bc	2	b	#	50	41	0.20
Belgium.	Brussels ..	*	*	*	*	*	29.62	— .01	43	41	— 5	WNW	4	c	#	o	#	55	38	0.32
	Cape Gris Nez ..	?	49	W	6	c	?	?	44	41	— 5	N	3	m	3	c	#	52	41	0.16
	Paris	29.87	53	W	3	r	29.68	— .18	48	46	— 2	WNW	3	o	#	r	#	60	42	0.08
	Brest	29.88	51	W	3	r	29.92	— .05	47	42	— 4	NNW	4	bc	3	f	#	55	41	—
	Lorient	29.92	54	W	5	c	29.89	— .11	46	43	— 5	NNW	5	b	4	c	#	59	45	0.08
France &	Rochefort ...	30.01	54	W	4	c	29.86	— .20	51	49	— 3	NW	4	r	#	c	#	59	48	0.04
	Belfort ...	29.88	46	WSW	5	o	29.73	— .24	44	44	+ 7	WSW	7	r	#	o	#	48	33	0.43
	Lyons ...	30.01	53	WNW	1	c	29.86	— .29	49	46	+ 5	SSW	2	o	#	o	#	60	44	—
	Nice	29.88	52	NE	4	b	29.87	— .10	50	46	— 2	2	o	c	1	b	#	61	43	—
	Perpignan ...	30.01	61	NW	2	o	29.94	— .20	51	48	— 2	SW	2	b	#	o	#	66	43	—
	Biarritz ...	30.02	56	NNW	3	b	29.97	— .15	52	50	0	WSW	4	o	3	b	#	61	50	—
Peninsula.	Corunna ...																#			
	Lisbon	29.90	69	NNE	4	b	29.91	— .11	61	54	0	ENE	3	o	#	b	#	75	61	—
	Azores (P. Delgada)	30.21	59	NNE	3	c	30.30	+ .23	59	55	+ 1	ENE	4	c	3	c	#	64	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 2.0 hrs;

WEATHER CHARTS

FOR Tuesday, 11th April, 1899.

BAROMETER, WIND AND SEA.

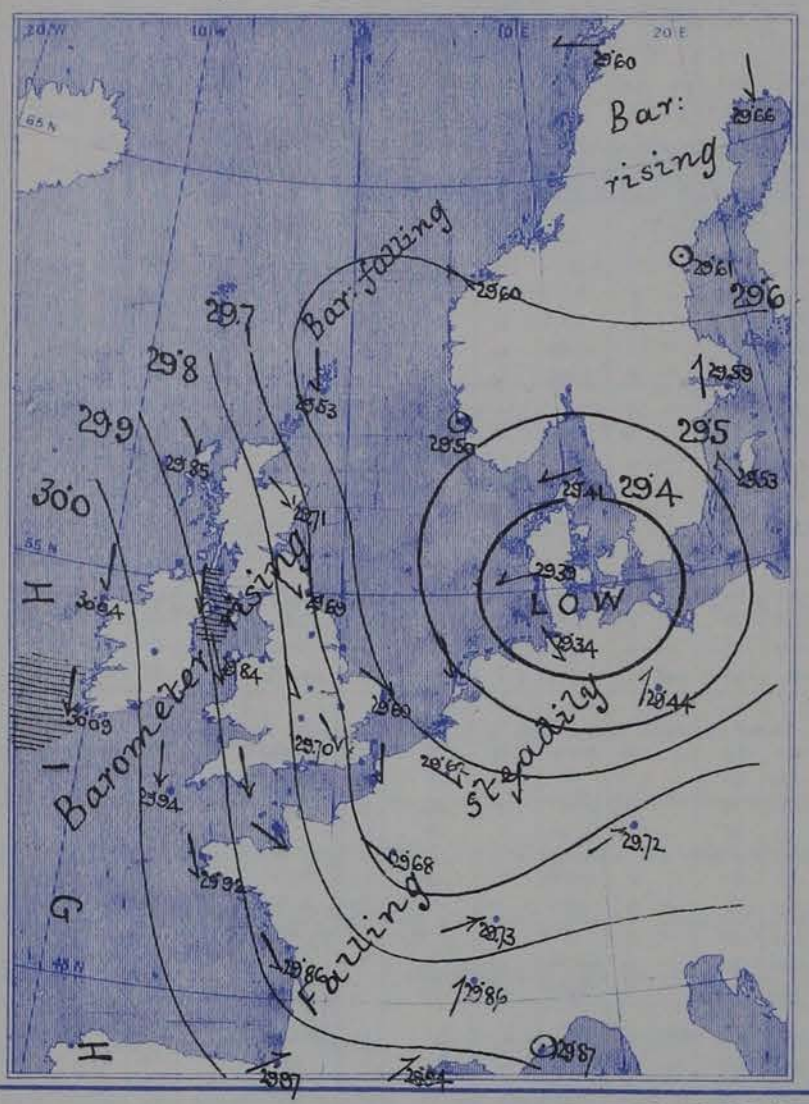
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ : High ▨

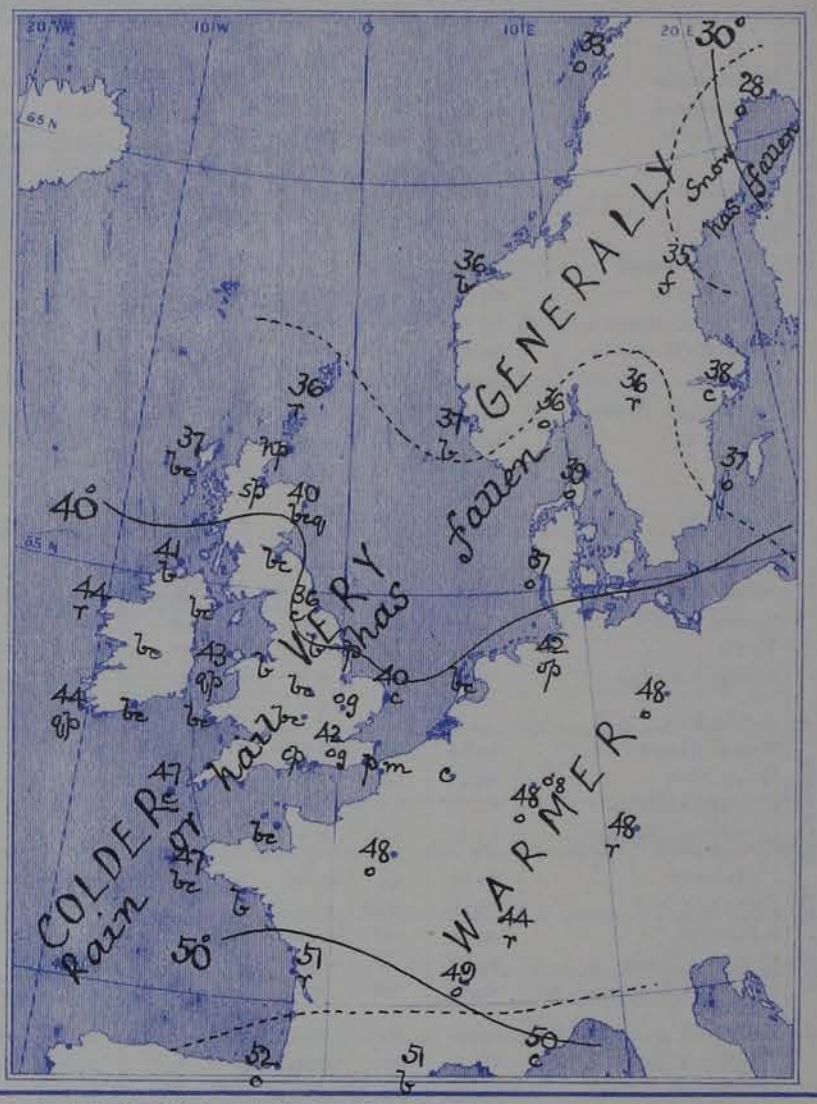


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in vast 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67	1885	30	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81	1893	23	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7							—
Belmullet	29·863	46·5	44·3	52·2	42·7					2·48		
Donaghadee	29·883	44·8	43·4	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	51·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	42·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69	1893	29	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	196·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.0 ins. and more over the W.rn parts of Ireland and apparently still higher over the Atlantic.
Lowest 29.4 ins. and less in a depression over the N.W. of Germany. There are shallow secondary systems over our Islands and France.
Gradients moderate, but slightly irregular.
Barometer rising generally.

TEMPERATURE — Highest 52° to 50° in the S. and S.W. of France; 48° at Paris and Brussels, 47° at Scilly, 44° in the S.W. and W. of Ireland.
Lowest 28° at Haparanda, 36° to 38° in Norway and Denmark, 40° at most of our N.rn & E.rn stations. It rose for a short interval yesterday to between 60° and 62° over our S.E.rn counties, but subsequently fell fast again.

WIND — N.W.by W. to N.by W. over our Islands as a whole and blew strongly at some of our western stations, N.W.by W. to W.by N. over France, S.W.by W. over Germany, S.E.by E. at Wisby.

WEATHER — Cloudy generally, and at many of our own and the French stations it was rather showery & squally. Showers have fallen very generally and at several of the N.rn stations there has been snow.
Bright Sunshine recorded yesterday was not large, varying in amount from 2 to 6 hours in different localities.

SEA — Moderate as a rule, but rather rough on some parts of the Irish coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of cold N.by W. and N.W.by W. breezes is probable, with improving weather, but low temperature tonight.

FORECASTS

For the 24 hours ending at NOON on 12TH APRIL 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	A continuation of cold N.W.by W. and N.by W. winds, strong at times, with cold showers, then fine.	6 SCOTLAND WEST	A continuation of cold N.W.by W. and N.by W. winds, strong at times, with cold showers, then fine.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
▼ 5 ENGLAND SOUTH		WARNINGS	The South Cone is still up in districts 5 and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.60	44	40	SW	2	bc	1
Sumburgh Head	29.55	44	40	NW	2	o	3
Stornoway	29.63	46	43	ESE	3	c	3
Aberdeen	29.58	44	38	NW	3	ogp	2
Shields	29.52	44	42	N	3	o	3
Ardrossan							
Malin Head ...	29.63	44	43	NNW	4	bc	3
Belmullet	29.56	48	41	NW	4	bc	*
Holyhead	29.66	48	46	NW	4	bc	3
Valencia	29.87	44	45	NNW	6	oq	5
Scilly	29.80	53	52	W	6	m	4
Jersey	29.84	52	51	WSW	5	og	4
Hurst Castle ...	29.64	52	51	WSW	5	cp	4
Dungeness ...	29.61	51	50	SW	6	c	5
North Foreland							
London (Westminster)	29.58	62	54	W	4	c	#
Yarmouth ...	29.47	57	52	WNW	4	c	3
Rochefort ...	30.06	57	54	W	4	o	#

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

Weather in morning showery changeable and unsettled over the whole of N^rn. and NW^rn. Europe, with snow at Haparanda, clear skies (temporarily) in Norway. Showers later in all parts of our Islands and their neighbourhood, sleet or hail at our N^rn. stations. Rainfall at Berlin 0.75 in.

Temperature very variable. Highest 60° at Barcelona, 49° to 54° in the W. and N. of France and the S. and SW. of our Islands. Lowest 31° at Archangel, 32° at Haparanda, and below 40° over the greater part of N^rn. Continental Europe; 40° at Sumburgh Hd., Stornoway and Leith, 41° at Aberdeen and Shields; 40° also at many stations in central Europe. Rising later to between 60° and 62° over several parts of our SE^rn. counties to 60° at Paris, and to between 60° and 66° in the S. of France; falling considerably over our Islands still later.

Wind (1) Calm in Scotland, N^ly. and NW^ly. at our western stations, W^ly. over England; (2) Cyclonic, but light over northern and southeastern Europe; (3) light and anticyclonic over southwestern Europe. Becoming N^ly. and NW^ly. in our Islands later and blowing strongly in places, but still SW^ly. in NW^rn. Germany.

Barometer highest 30.1 ins. and more to 30.0 ins. in an irregularly shaped anticyclone lying over SW^rn. Europe, and in another (well formed) over central Russia. Lowest (1) 29.3 ins. and less in a depression over Sweden; (2) 29.5 ins. and less in another over the NE. of England and the North Sea; (3) 29.8 ins. and less over SE^rn. Europe. Rising decidedly over our Islands and northwestern Europe later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 12th April, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.69	29	L	0	0	29.63	−.01	28	27	0	NNE	4	s	#	0	#	32	23	—
	Hernösand ...	29.62	31	NE	2	0	29.43	−.18	29	28	−6	NE	4	s	#	0	#	37	29	—
	Stockholm ...	29.37	36	E	4	r	29.20	−.39	37	36	−1	SW	2	0	#	r	#	41	28	0.04
	Wisby	29.29	40	S	6	r	29.29	−.24	38	37	+1	SW	8	0	#	r	#	41	28	039
	Karlstad ...	29.28	35	ENE	4	s	29.16	−.36	33	32	−3	N	2	s	#	s	#	#	#	039
	Bodö	29.67	33	L	0	0	29.64	+.04	30	28	−3	ENE	2	b	1	0	#	39	27	—
	Christiansund ...	29.59	37	NE	5	b	29.56	−.04	37	33	+1	NE	1	b	3	b	#	41	34	—
	Skudesnaes ...	29.46	43	N	4	b	29.45	−.05	39	37	+2	N	4	b	1	b	#	45	34	#
	Færder (Christiania Fjord)	29.34	38	N	6	r	29.29	−.20	35	34	−1	NNW	6	0	3	r	#	38	34	032
	Skagen (The Scaw)	29.25	36	N	6	r	29.30	−.11	36	35	−3	N	6	r	2	r	#	39	34	083
	Fanö	29.47	39	NNW	4	b	29.27	−.12	40	37	+3	NW	4	b	#	b	#	43	36	—
	Sumburgh Head	29.67	37	N	3	c	29.58	+.05	36	34	0	N	3	b	4	sp. c	#	41	32	0.17
	Stornoway ...	29.89	43	NNE	4	c	29.53	−.32	36	35	−1	SSE	5	rs	5	bc. c	10.0	45	30	0.30
	Wick	29.77	37	N	5	c	29.60	−.10	39	37	−1	SE	2	c	2	hsp.c	#	45	30	0.08
	Nairn	29.84	42	NNW	3	c	29.64	−.16	35	33	−2	L	0	0	1	c	#	45	28	0.07
	Aberdeen ...	29.75	40	NW	6	bcq	29.67	−.04	38	34	−2	WSW	2	c	2	rsp. bcq	10.7	44	31	0.03
	Leith	29.81	43	WNW	2	bc	29.69	−.08	40	36	−4	WNW	2	bm	#	bc	#	52	30	—
	Shields	29.77	41	NNW	3	bc	29.75	+.06	38	34	+2	W	2	c	3	rshp. bc	#	46	34	0.02
	Spurn Head ...	29.75	42	NNW	6	bc	29.75	+.12	39	35	−1	WNW	4	b	4	pq. bc	#	44	36	0.02
	York	29.79	41	WNW	1	b	29.77	+.06	37	34	−3	WNW	1	b	#	sp. b	?	48	29	0.02
	Loughborough ...	29.85	37	W	2	c	29.82	+.09	38	36	−3	W	1	bc	#	qrstl	#	48	30	0.03
British Isles.	Ardrossan ...																#			
	Malin Head ...	29.94	43	NNW	4	bp	29.63	−.28	40	39	−1	S	4	b	2	bp	#	45	36	—
	Belmullet ...	30.03	44	NNW	3	o	29.69	−.35	45	42	+1	SSE	5	o	#	c.o	#	48	38	0.02
	Donaghadee ...	29.93	44	N	5	b	29.75	−.12	39	38	−3	WSW	2	b	3	b	#	44	33	—
	Liverpool (Bidston)	29.88	44	WNW	3	bc	29.79	.00	43	38	0	WSW	1	b	2	bc	#	47	37	—
	Holyhead ...	29.92	44	NW	5	bc	29.78	−.06	42	40	−1	S	2	c	1	bp. bc	#	45	37	0.11
	Parsonstown ...	30.01	42	N	1	o	29.76	−.25	40	38	−1	S	1	c	#	b.o	8.5	53	32	—
	Valencia ...	30.08	46	NNW	4	o	29.70	−.39	45	43	+1	S	4	opv	4	hrpq.o	4.6	49	39	0.16
	Roche's Point ..	30.03	45	N	4	rhp	29.77	−.25	45	43	+1	SSW	3	bc	3	rhp	#	51	36	0.10
	Pembroke (St. Ann's Hd.)	29.95	46	NW	3	o	29.81	−.10	43	42	−1	SSE	3	bc	4	b.o	10.6	48	36	0.24
	Scilly	30.03	47	NW	4	o	29.86	−.08	47	43	0	WSW	2	c	3	c.o	9.4	51	41	0.13
	Prawle Point ...	29.98	49	NNW	3	bc	29.86	+.01	41	39	−5	S	1	cp	1	bc	#	55	37	0.01
	Jersey (St. Aubin's)	29.93	49	WNW	5	bc	29.90	+.08	46	42	−2	WNW	3	bc	3	bc. hp	#	53	38	—
	Hurst Castle ...	29.88	45	NNW	3	cpq	29.86	+.11	43	40	−2	L	0	bcm	0	cpq	#	53	36	—
	Dungeness ...	29.79	42	NNW	4	cq	29.82	+.16	40	38	−2	WNW	3	c	2	cq	#	49	31	0.04
	North Foreland																#			
	London (Brixton) ...	29.82	44	NNW	4	bc	29.85	+.15	39	36	−3	W	2	bc	#	o/s. b	5.4	50	33	—
	Oxford	29.91	39	NNE	1	bc	29.85	+.11	41	37	−2	W	1	b	#	sp. bc	#	48	32	0.01
	Cambridge ...	29.83	37	NNW	3	o	29.82	+.12	39	37	−1	NNW	2	b	#	hsp.o	4.9	51	31	0.03
	Yarmouth ...	29.70	40	NW	5	cq	29.74	+.14	40	37	0	WNW	4	c	4	ckrpq	#	43	36	0.12
Germany & Holland.	Cuxhaven ...	29.49	43	NW	4	c	29.48	+.14	39	38	−3	WSW	2	o	#	c	#	45	36	0.04
	Berlin	29.54	42	W	2	b	29.60	+.16	38	36	−10	W	1	b	#	b	#	52	36	0.12
	Wiesbaden ...	*	*	*	*	*	29.82	+.25	41	38	−7	SW	2	c	#	*	#	50	37	0.04
	Munich... ..	29.61	42	W	6	o	29.79	+.07	36	33	−12	W	6	b	#	o	#	48	32	0.67
	The Helder ...	29.61	41	NW	2	c	29.66	+.15	42	39	0	NW	3	bc	3	c	#	45	39	—
Belgium.	Brussels ...	*	*	*	*	*									#		#			
	Cape Gris Nez...	?	40	NNW	4	o	?	?	40	37	−4	NW	3	bc	3	o	#	48	36	?0.20
	Paris	29.83	46	NW	4	c	29.91	+.23	35	34	−13	SSW	1	m	#	c	#	50	32	0.12
	Brest	30.03	48	N	3	c	29.95	+.03	43	41	−4	W	1	c	3	c	#	52	39	0.12
	Lorient... ...	30.02	52	NNW	5	c	29.94	+.05	44	42	−2	W	1	bc	4	c	#	57	43	—
France &	Rochefort ...	29.96	52	NNW	5	bc	29.96	+.10	46	42	−5	NE	3	o	#	bc	#	55	41	—
	Belfort	29.70	42	W	4	c	29.92	+.19	34	33	−10	W	3	m	#	c	#	46	31	0.43
	Lyons	29.86	44	W	1	o	29.92	+.06	39	37	−10	NNW	1	bc	#	o	#	60	35	0.04
	Nice	29.64	58	WNW	6	bc	29.66	−.21	50	34	0	E	2	o	3	bc	#	63	46	—
	Perpignan ...	29.87	60	NW	4	o	29.95	+.01	48	42	−3	NW	2	o	#	o	#	68	47	—
	Biarritz ...	30.02	52	NNW	3	o	29.95	−.02	46	43	−6	SE	2	o	3	o	#	55	45	0.08
Peninsula.	Corunna ...																#			
	Lisbon	29.99	57	NNW	6	b	30.04	+.13	54	47	−7	N	6	bc	#	b	#	70	52	—
	Azores (P. Delgada)	30.46	59	NE	4	o	30.48	+.18	58	54	−1	NE	3	o	2	o	#	64	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College Westminster.*

Bright Sunshine yesterday Southport 12·1 hrs;

WEATHER CHARTS

FOR Wednesday, 12th April, 1899.

BAROMETER, WIND AND SEA.

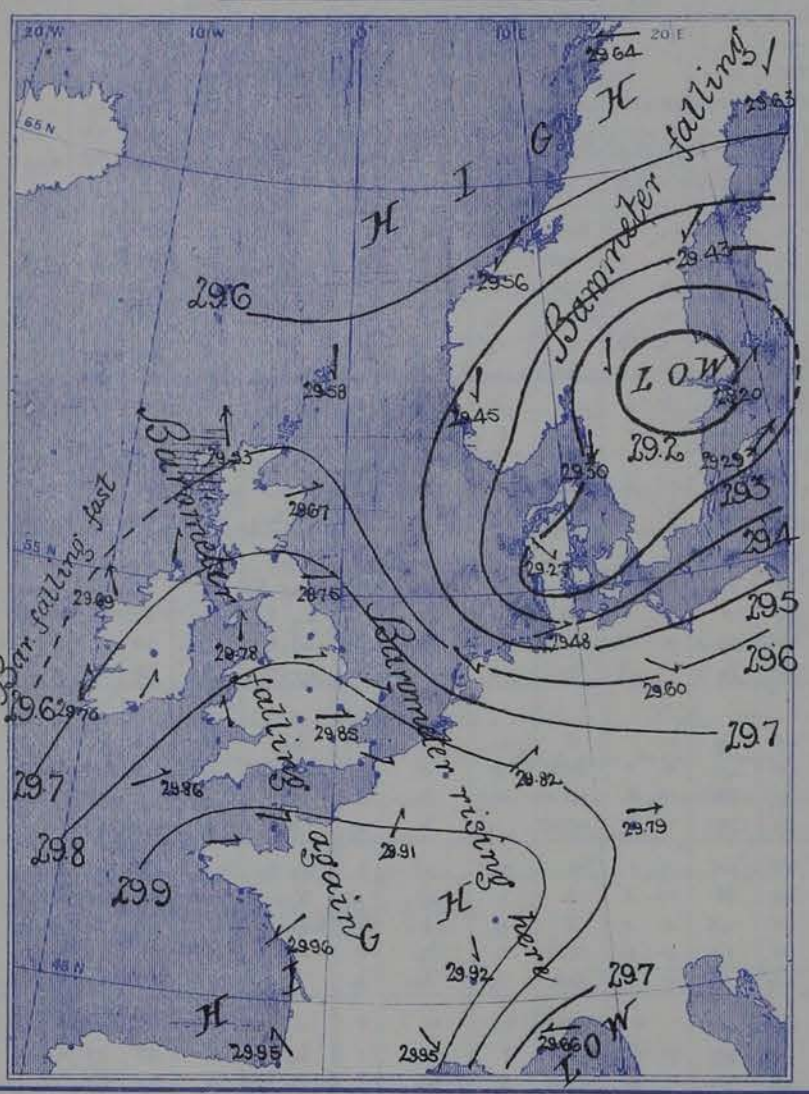
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ : } Calm ⊙

Force 8 to 10 ↠⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ≡ ; High ▨

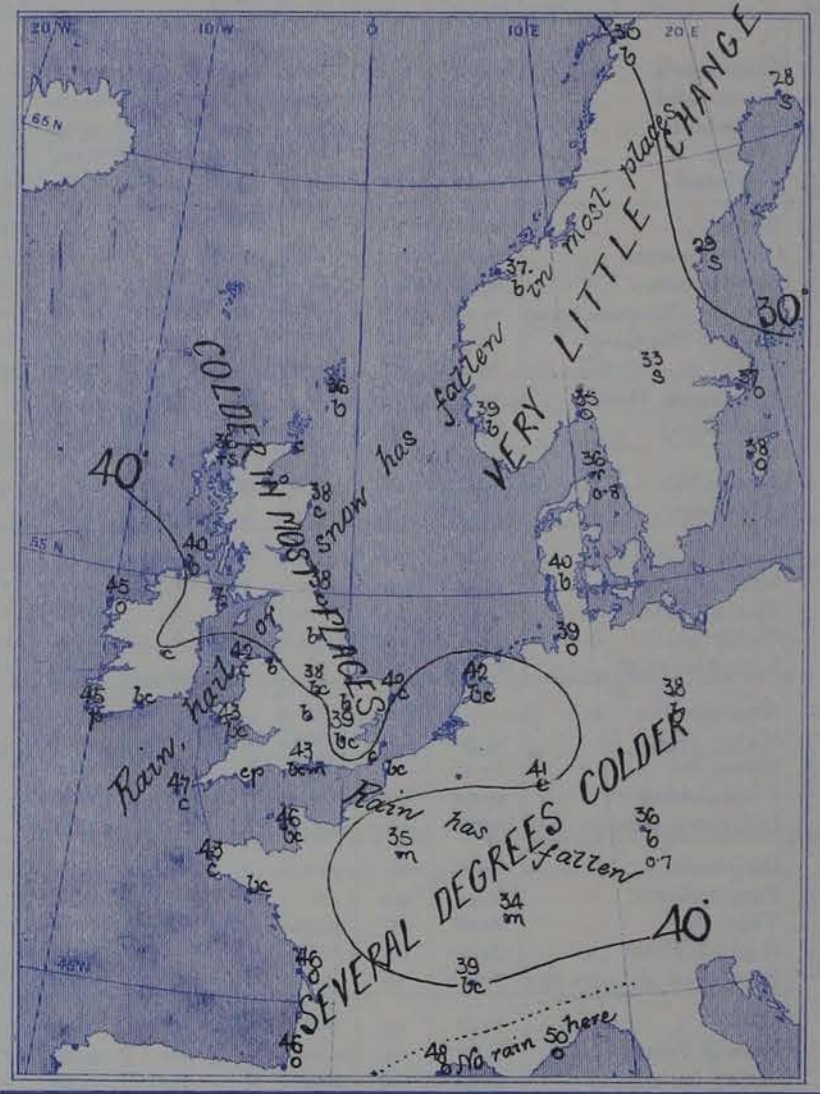


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42 1	40 4	46 2	36 9	54	1893, 94, 95	22	1895	1 95	—	—
Stornoway	29·845	43 8	42 3	49 2	37 1	67	1893	20	1881	2 49	159 0	37
Wick	29·866	43 3	41 3	49 3	37 0	69	1875	23	1892	1 63	—	—
Nairn	29·868	43 0	40 7	51 4	36 9	72	1875	21	1892	1 21	—	—
Aberdeen	29·885	43 5	40 8	49 6	38 0	72	1892	23	1881, 92	1 96	154 0	36
Leith	29·887	44 2	41 8	52 2	37 9	75	1875	23	1881	1 46	—	—
Shields	29·891	43 6	41 4	49 3	38 4	71	1892	25	1892	1 65	—	—
Spurn Head	29·887	44 1	42 4	48 6	40 2	67*	1885	30*	1881, 89	1 35	—	—
York	29·901	43 7	41 6	54 0	37 5	78	1893	22	1881, 91	1 68	139 4	33
Loughborough	29·905	44 1	41 8	55 7	37 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29·879	44 6	42 4	51 7	39 4	73	1874	26	1892	2 03	—	—
Malin Head	29·855	44 2	42 2	50 1	41 7	—	—	—	—	—	—	—
Belmullet	29·863	46 5	44 3	52 2	42 7	—	—	—	—	2 48	—	—
Donaghadee	29·883	44 8	43 1	51 2	40 5	64	1873, 74, 75	30	1876, 82, 95	1 86	—	—
Holyhead	29·880	46 0	44 0	51 7	42 0	75	1874, 93	31	1881, 92	1 86	—	—
Liverpool	29·892	45 2	42 2	53 0	40 4	75	1893	29	1881	1 54	—	—
Parsonstown	29·883	45 1	42 7	54 9	38 2	73	1893	21	1892	2 04	155 8	38
Valencia	29·871	48 4	45 9	54 3	43 0	70	1892	30	1879, 92	3 67	171 5	42
Roche's Point	29·873	47 0	44 7	53 8	42 4	72	1893	31	1892	3 06	—	—
Pembroke	29·875	45 4	43 7	50 7	42 0	70	1893	30	1879, 81	1 89	185 9	45
Scilly	29·872	48 8	46 8	52 3	44 9	66	1893	32	1876	2 15	—	—
Prawle Point	29·890	46 6	44 9	52 3	41 1	69*	1893	29*	1888	1 94	—	—
Jersey	29·893	48 8	46 1	54 7	43 7	84	1874	32	1871, 76, 92	2 01	193 3	48
Hurst Castle	29·893	45 8	44 4	52 8	41 3	74	1893	26	1887	1 72	—	—
Dover	29·884	46 4	44 1	51 4	41 4	69	1873	25	1892	1 61	—	—
LONDON	29 901	46 2	43 2	56 6	39 8	82	1893,	27	1873, 84, 87, 92	1 70	113 9†	28†
Oxford	29·907	44 4	42 1	55 2	38 8	80	1893	23	1892	1 66	152 1	37
Cambridge	29·904	45 7	43 0	56 7	37 1	84	1893	21	1878	1 56	157 7	38
Yarmouth	29·894	44 7	43 0	49 2	40 0	72	1885	25	1878	1 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 29.9 ins. and more to 29.8 ins. in an anticyclone covering France and the S.ern parts of England and Wales.
Lowest (1) 29.2 ins. and less to 29.3 ins. in a complex depression lying over Denmark and the S. of Sweden; (2) below 29.7 ins. off the W. of Ireland.
Gradients slight over our Islands & France. Barometer falling fast on our W.ern coasts.

TEMPERATURE — Highest 47° at Scilly, 45° in the south and west of Ireland.
Lowest 28° to 30° in the N. of Scandinavia; 35° at Nairn, 37° at York, 38° at Loughborough.
It had fallen suddenly over England during the night and minima were reported as 25° on the grass at Loughborough, and 29° in London.

WIND — (1) NW.ly over the North Sea, W.ly over the eastern half of England, SW.ly over the NE. of France.
(2) It had backed suddenly to the S.ward at our western stations during the night, and was freshening.

WEATHER — Fine over the North Sea and England, hazy over France. At our extreme W.ern and NW.ern stations it was becoming overcast, showery and unsettled again.
Showers of cold rain or sleet fell at most of our stations – most in the NE. and E.
Bright Sunshine recorded yesterday was very considerable at our N.ern and W.ern stations – amounting to as much as 12 hours at Llandudno, but to only 5 hrs. in the S.E. of England.

SEA — Moderate on our SW.ern coasts, rather rough at Stornoway, slight or smooth in the E. and SE.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is apparently approaching Ireland from the Atlantic. The South Cone has been hoisted in the west and north.

FORECASTS

For the 24 hours ending at NOON on 13th April 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.ly winds; increasing in force; rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Light W.ly airs, shifting to S. later and increasing; probably with rain. Milder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S.ly winds; strong to a gale; rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The SOUTH CONE has been hoisted this morning in districts 0, 1, 6, 7, 9 and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.49	45	39	NNW	4	b	1
Sumburgh Head	29.64	37	36	N	4	sp	5
Stornoway	29.88	45	39	NNE	4	bc	4
Aberdeen	29.71	43	38	NW	8	bcqrsp	5
Shields	29.76	45	40	N	3	c	3
Ardrossan							
Malin Head ...	29.94	45	41	NNW	4	b	3
Belmullet	30.06	45	41	WNW	3	c	*
Holyhead	29.92	45	41	NNW	6	bp	4
Valencia	30.10	46	43	NW	5	cqrhp	5
Scilly	30.02	50	45	NNW	4	c	3
Jersey	29.92	52	48	WNW	5	bc	6
Hurst Castle ...	29.93	46	41	N	4	cp	3
Dungeness ...	29.72	48	42	NNW	5	cq	4
North Foreland							
London (Westminster)	29.76	46	39	NW	5	cpsr	*
Yarmouth ...	29.64	42	40	NW	5	cqrhp	4
Rochefort ...	29.90	55	50	NNW	5	bc	*

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

Weather in morning fine at many of the NW^rn stations, but showery at others, and changeable generally; snow falling at Nairn; fair over Spain, the south of France and the Mediterranean; cold showers later over the greater part of our Islands and indeed, over W^rn, N^rn and central Europe as a whole – sleet and hail in the N. and E.

Temperature was decreasing over our Islands, increasing over central Europe. Highest 64° at Algiers, 60° at Barcelona, 50° to 54° in the S. of France, 51° at Vienna, 48° at Berlin. Lowest (1) 28° at Haparanda, 35° at Kuopio and Hernösand, 38° at Moscow; (2) 36° at Sumburgh Hd and Shields, 37° at Nairn, 40° at Wick, Aberdeen, York and Cambridge. Rising later to between 54° and 50° at a few of our stations, to 50° at Paris, 63° at Nice, and 68° at Perpignan.

Wind was N.^24 or NW.^24 over our Islands generally, and blew freshly in most places, very strongly at Aberdeen; W.^24 in France, SW.^24 to S.^24 over central Europe, S.^24 to SE.^24 over the Baltic, SE.^24 to E.^24 in Norway. Moderating a little and becoming more N.^24 at our own stations later; blowing hard in Denmark later.

Barometer highest (1) 30.0 ins. and more to 29.9 ins. over central Russia; (2) 29.9 ins. and more over Spain; (3) 30.0 ins. and more over the S. and W. of Ireland. Lowest 29.3 ins. and less over the Sound and NW. of Germany. Rising over our Islands and France. The rise ceasing at our W^rn stations later, and a further fall taking place over Denmark.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 13th April, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.45	28	ENE	4	s	29.43	− ·20	36	35	+ 8	Z	0	o	#	s	#	36	23	0·08
	Hernösand ...	29.30	31	NE	2	s	29.34	− ·09	33	31	+ 4	N	2	o	#	s	#	33	27	0·51
	Stockholm ...	29.30	36	Z	0	b	29.40	+ ·20	37	34	0	WSW	2	o	#	b	#	41	36	—
	Wisby	29.44	37	SW	4	b	29.53	+ ·24	35	34	− 3	W	4	b	#	b	#	43	32	—
	Karlstad ...	29.36	33	NNW	2	c	29.48	+ ·32	32	30	− 1	W	2	bc	#	c,s	#	#	#	0·16
	Bodö	29.57	25	ENE	4	b	29.52	− ·12	28	25	− 2	ENE	4	b	1	b	#	37	21	—
	Christiansund ...	29.46	37	NE	4	b	29.48	− ·08	37	34	0	Z	o	c	2	b	#	39	34	0·04
	Skudesnaes ...	29.46	39	NNW	4	b	29.49	+ ·04	39	36	0	W	2	o	1	b	#	43	36	#
	Færder (Christiania Fjord)	29.41	38	W	1	c	29.48	+ ·19	36	35	+ 1	W	1	b	1	c	#	39	34	—
	Skagen (The Scaw)	29.42	39	WNW	3	b	29.51	+ ·21	39	36	+ 3	NW	3	b	0	b	#	46	36	0·04
	Fanö	29.58	38	NW	2	b	29.61	+ ·34	40	37	0	NW	1	b	#	b	#	45	37	—
British Isles.	Sumburgh Head	29.45	38	NE	1	o	29.24	− ·34	34	34	− 2	ENE	7	TS	7	c,o,s	#	41	30	0·50
	Stornoway ...	29.21	45	SW	6	o	28.99	− ·54	43	42	+ 7	SSE	5	o	5	p,o	1·2	46	32	0·60
	Wick	29.33	37	SE	6	o	29.12	− ·48	43	42	+ 4	ESE	4	c	4	s,o	#	44	37	0·18
	Nairn	29.30	44	WSW	3	c	29.05	− ·59	45	41	+ 10	SSW	1	c	1	c,s	#	48	32	0·06
	Aberdeen ...	29.40	43	S	4	bc,q	29.18	− ·49	42	39	+ 4	SSE	6	cq	5	c,bc,q	5·9	44	38	—
	Leith	29.46	47	W	2	o	29.09	− ·60	39	37	− 1	ESE	3	o	#	o	#	49	36	—
	Shields	29.52	47	SW	2	bc	29.17	− ·58	40	39	+ 2	SSE	4	o	3	c,bc	#	49	35	—
	Spurn Head ...	29.55	44	SE	4	b	29.19	− ·56	43	41	+ 4	SE	6	c	5	b	#	48	36	—
	York	29.56	49	S	2	bc	29.17	− ·60	40	39	+ 3	ESE	4	r	#	bc	?	50	34	0·01
	Loughborough ...	29.61	48	S	2	b	29.18	− ·66	40	39	+ 2	SE	3	rm	#	bc,b,m	#	54	36	0·08
	Ardrossan ...																#			
	Malin Head ...	29.23	44	S	6	o	28.93	− ·70	42	42	+ 2	SSE	2	c	1	o	#	48	40	0·06
	Belmullet ...	29.30	46	NW	2	op	28.98	− ·71	43	41	− 2	NNW	3	bc	#	r,op	#	48	38	0·70
	Donaghadee ...	29.40	46	SSW	5	c	28.95	− ·80	42	41	+ 3	S	4	r	4	c	#	48	37	0·70
	Liverpool (Bidston)	29.52	48	SSW	1	bc	29.02	− ·77	45	43	+ 2	SSE	3	b	3	bc	#	51	38	0·07
	Holyhead ...	29.49	45	SSW	4	c	28.98	− ·80	45	43	+ 3	WSW	4	cp	3	bp,c	#	47	39	0·12
	Parsonstown ...	29.34	43	SE	2	r	28.98	− ·78	42	40	+ 2	W	1	c	#	c,r	4·3	50	37	0·20
	Valencia ...	29.39	48	WNW	5	op	29.02	− ·68	46	42	+ 1	WNW	4	ehpq	5	rm,op	0·0	50	41	0·66
	Roche's Point ..	29.31	47	SSW	8	r	29.05	− ·72	45	43	0	W	3	c	3	r	#	49	40	0·46
	Pembroke (St. Ann's Hd.)	29.51	43	SW	5	o	29.04	− ·77	45	43	+ 2	WSW	5	bcpq	5	b,o	9·0	48	42	0·28
	Scilly	29.52	47	S	5	r	29.10	− ·76	49	47	+ 2	SW	5	rq	4	c,r	4·6	53	43	0·39
	Prawle Point ...	29.62	45	S	3	c	29.14	− ·72	46	45	+ 5	WSW	4	cw	3	c,rq	#	50	40	0·15
	Jersey (St. Aubin's)	29.74	48	WSW	4	bc	29.24	− ·66	48	46	+ 2	SW	4	ogpbr	4	cg,bc	#	52	45	0·28
	Hurst Castle ...	29.68	45	SSW	3	c	29.16	− ·70	48	46	+ 5	SW	3	cp	3	c	#	49	42	0·15
	Dungeness ...	29.71	45	WSW	4	c	29.31	− ·51	43	42	+ 3	SSE	6	r	5	c	#	50	39	0·02
Germany & Holland.	North Foreland																#			
	London (Brixton) ...	29.67	46	SW	2	bc	29.22	− ·63	42	40	+ 3	SSE	6	rq	#	bc,b	5·0	54	38	0·03
	Oxford	29.61	41	S	3	b	29.13	− ·72	41	40	0	SE	3	or	#	c,hp,b	#	52	38	0·12
	Cambridge ...	29.65	44	SW	3	b	29.22	− ·60	43	41	+ 4	SSE	4	dg	#	b	9·9	54	36	—
	Yarmouth ...	29.67	43	SE	4	bc	29.30	− ·44	44	41	+ 4	SE	6	c	5	bc	#	45	38	—
	Cuxhaven ...	29.60	43	WNW	4	b	29.62	+ ·14	41	39	+ 2	SSW	1	b	#	b	#	45	36	—
	Berlin	29.67	40	W	2	b	29.73	+ ·13	37	35	− 1	W	1	b	#	b	#	48	30	—
	Wiesbaden ...	*	*	*	*	*	29.69	− ·13	36	35	− 5	NW	1	b	#	*	#	48	32	—
	Munich... ..	29.82	35	SW	3	c	29.70	− ·09	34	33	− 2	SE	4	bc	#	c	#	41	28	0·04
	The Helder ...																#			
Belgium.	Brussels ...	*	*	*	*	*									#		#			
	Cape Gris Nez ..	?	45	SW	3	bc	?	?	40	37	0	S	4	bc	4	bc	#	46	36	—
	Paris	29.78	46	E	2	bc	29.50	− ·41	38	36	+ 3	SSE	3	bc	#	bc	#	53	34	—
	Brest	29.72	50	SW	3	o	29.31	− ·64	48	45	+ 5	W	3	o	3	o	#	52	41	0·16
	Lorient... ...	29.75	48	W	4	bc	29.33	− ·61	49	45	+ 5	W	4	o	5	bc	#	55	43	0·08
France &	Rochefort ...	29.81	50	W	3	bc	29.49	− ·47	51	49	+ 5	WNW	4	o	#	bc	#	57	45	0·12
	Belfort	29.83	40	W	1	o	29.72	− ·20	35	33	+ 1	NE	1	m	#	o	#	46	29	—
	Lyons	29.83	41	NW	2	b	29.73	− ·19	37	35	− 2	SE	2	b	#	b	#	50	31	0·04
	Nice	29.60	51	E	4	bc	29.66	·00	48	41	− 2	E	2	b	2	bc	#	61	45	—
	Perpignan ...	29.83	52	W	3	o	29.77	− ·18	45	42	− 3	W	1	b	#	o	#	51	37	—
	Biarritz ...	29.87	51	NW	3	o	29.64	− ·30	52	49	+ 6	SSW	6	r	4	o	#	55	46	0·08
Peninsula.	Corunna ...																#			
	Lisbon	30.09	55	NNW	3	o	30.04†	·00	58	53	+ 4	WNW	4	o	#	o	#	59	52	—
	Azores (P. Delgada)																#			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 8·4 *hrs.*

WEATHER CHARTS

FOR Thursday, 13TH April, 1899.

BAROMETER, WIND AND SEA.

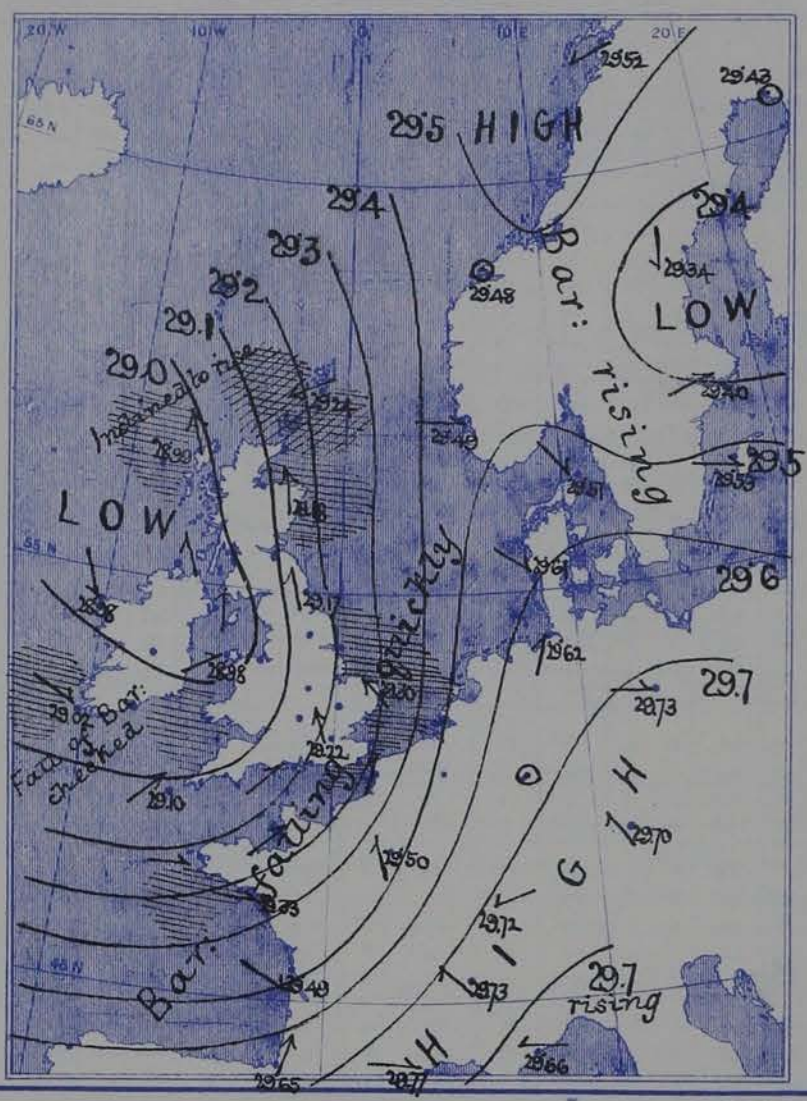
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ : High ▩

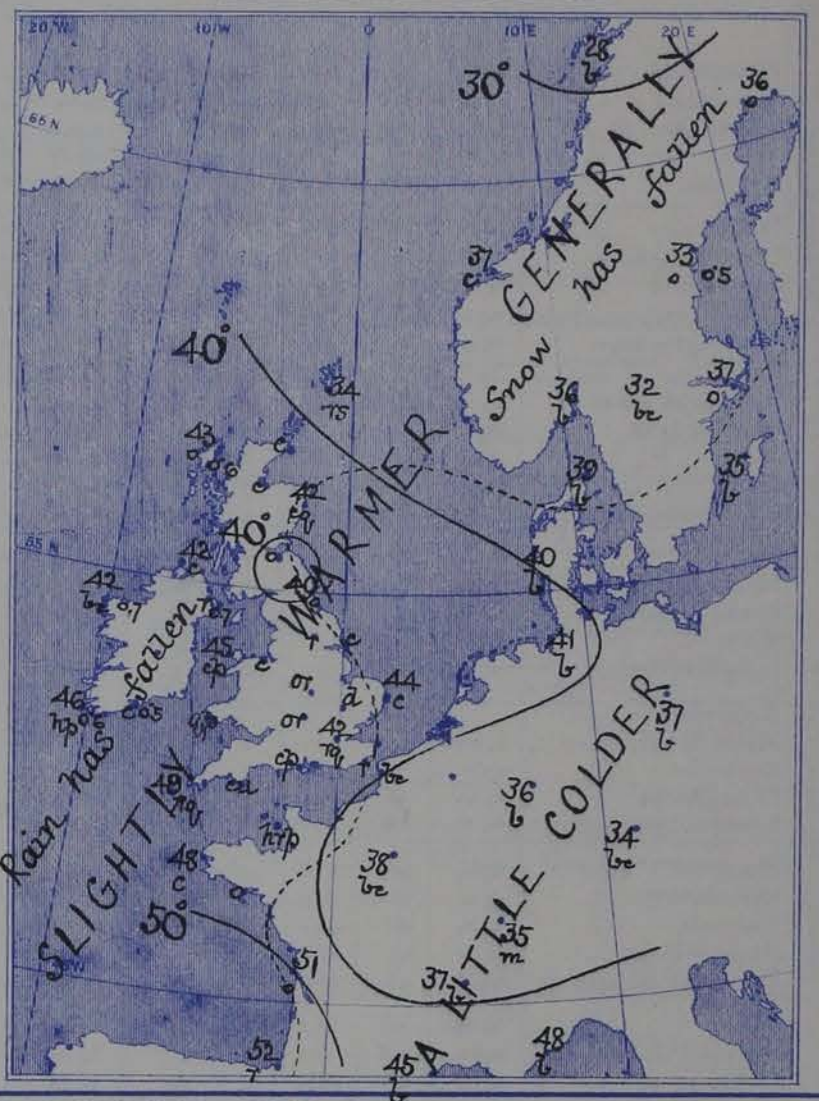


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67	1885	30	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81	1893	23	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	51·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69	1893	29	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.7 ins. to 29.5 ins. over Germany, Denmark and the Baltic.
Lowest Below 29.0 ins. over the Hebrides and the N^rn half of Ireland.
Gradients rather steep over the North Sea, England and the N^rn parts of France.
Barometer still falling fast in most places, but Valencia reports the fall to be checked.

TEMPERATURE

Highest 52° at Biarritz, 49° at Lorient and Scilly, 48° at Jersey 46° at Valencia.
Lowest (1) 28° at Bodo, 32° at Karlstad; (2) 34° at Sumburgh Hd., 39° at Leith, 40° at York;
(3) 34° at Munich, 37° at Lyons and Berlin, 38° at Paris.

WIND

Moderate from NW. and W. in the west of Ireland, fresh to strong from between W. and S. over the Channel, SE.^{by} over England and SE.^{by} E.^{by} in Scotland. It was moderate from W. over the Bay of Biscay.
A fresh gale from SSW. was experienced at Rockall Pt. last night, and a moderate gale from SE. at Wick and in London early this morning.

WEATHER

Dull, squally and rainy over the Channel and England, dull and rainy in Scotland, but was improving over Ireland, where rain fell last night.
Bright Sunshine recorded yesterday varied a good deal in amount. At Cambridge it was 9.9 hrs; at Pembroke 9 hrs., but at Valencia there was none.

SEA

High at Sumburgh Hd., rather rough generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The NW.^{by} wind is likely to spread gradually, will cooler but finer weather.

FORECASTS

For the 24 hours ending at NOON on 14TH APRIL 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	SE.^{by} and varying winds, cloudy, rainy, cold.	▼ 6 SCOTLAND WEST	Wind shifting to NW.^{ward}; finer, colder.
▼ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.	SE.^{by} to S.^{by} winds, strong; rainy, then shifting to NW.; finer, cold tonight.	▼ 8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The South Cone is still up in districts 0, 1 and 6 to 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.45	43	38	NNW	6	b	2
Sumburgh Head	29.52	40	36	N	1	c	4
Stornoway	29.34	46	43	SW	5	o	5
Aberdeen	29.54	44	39	S	3	c	3
Shields	29.63	43	39	E	2	c	3
Ardrossan							
Malin Head ...	29.41	47	44	S	5	c	2
Belmullet	29.44	46	45	SSW	5	r	*
Holyhead	29.66	47	44	SW	4	bcp	3
Valencia	29.44	47	46	SSE	4	r m	5
Scilly	29.70	50	46	SSW	4	c	3
Jersey	29.83	51	45	SSW	4	c	4
Hurst Castle ...	29.78	47	44	SSW	3	c	2
Dungeness ...	29.77	48	43	WSW	5	c	4
North Foreland							
London (Westminster)	29.74	53	43	SW	4	c	*
Yarmouth ...	29.73	45	39	NW	2	bc	3
Rochefort ...	29.90	52	48	NW	3	o	*

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

Continental information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 14th April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.30	32	NW	0	s	29.40	-.03	28	27	- 8	N	4	s	*	s	*	34	27	0.12
	Hernösand ...	29.47	31	N	2	b	29.57	+.23	31	28	- 2	NW	2	b	*	b	*	36	28	-
	Stockholm ...	29.57	34	SW	2	b	29.64	+.24	36	34	- 1	WSW	2	c	*	b	*	43	32	-
	Wisby	29.63	35	WSW	4	b	29.69	+.16	36	34	+ 1	SW	4	b	*	b	*	46	30	-
	Karlstad ..	29.58	35	N	2	bc	29.66	+.18	33	29	+ 1	NE	2	b	*	bc	*	*	*	0.04
	Bodö	29.56	38	E	1	b	29.62	+.10	28	25	0	E	1	c	1	b	*	39	21	-
	Christiansund ...	29.58	37	NE	3	s	29.67	+.19	36	34	- 1	NNW	3	c	3	s	*	37	34	0.08
	Skudesnaes ...	29.57	42	SSE	4	m	29.59	+.10	41	38	+ 2	NE	4	m	3	m	*	43	36	*
	Færder (Christiania Fjord)	29.56	39	SSW	3	o	29.64	+.16	36	32	0	N	2	b	1	o	*	41	36	-
	Skagen (The Scaw)	29.63	38	W	1	b	29.63	+.12	40	39	+ 1	SSE	2	b	0	b	*	48	36	-
	Fanö	29.56	41	SE	5	b	29.43	-.18	40	38	0	E	6	b	*	b	*	50	37	-
	Sumburgh Head	29.38	43	ESE	2	c	29.56	+.32	43	40	+ 9	NE	3	c	5	c	*	46	34	0.17
	Stornoway ...	29.10	48	SE	5	c	29.43	+.44	44	41	+ 1	SE	4	o	4	c	3.5	51	37	0.03
	Wick ...	29.24	43	ESE	6	o	29.47	+.35	43	42	0	E	4	o	4	o	*	45	40	0.01
	Nairn	29.13	45	E	2	c	29.41	+.36	43	41	- 2	E	2	c	1	c	*	50	38	-
	Aberdeen ...	29.20	41	SSE	7	o q r q	29.39	+.21	43	41	+ 1	E	7	c q	6	q p. r q	2.5	47	40	0.11
British Islands.	Leith	29.05	42	E	3	o	29.26	+.17	43	42	+ 4	ENE	3	o	*	o	*	45	38	0.02
	Shields	29.06	42	ESE	4	a	29.17	.00	43	42	+ 3	NE	4	c	4	r. a	*	43	39	0.18
	Spurn Head ...	29.05	43	ESE	7	o	28.97	-.22	42	41	- 1	NE	5	r q	6	o	*	44	41	0.14
	York	29.03	44	E	2	o	29.07	-.10	43	41	+ 3	NNE	3	r	*	r. o. a	?	45	38	0.30
	Loughborough ...	29.00	46	SE	2	c	29.01	-.15	42	40	+ 2	NNE	2	o m p	*	r. bc. o p	*	55	40	0.19
	Ardrossan ...																*			
	Malin Head ...	28.91	42	WSW	1	r m	29.19	+.26	43	43	+ 1	ESE	5	r m	3	o. r m	*	43	39	0.18
	Belmullet ...	29.00	47	NNW	3	b	29.20	+.22	44	43	+ 1	E	5	o	*	o, b	*	49	39	0.11
	Donaghadee ...	28.95	45	S	3	bc	29.14	+.19	45	43	+ 3	E	6	bc	5	bc	*	48	40	0.09
	Liverpool (Bidston)	28.97	46	ESE	2	o	29.08	+.06	44	41	- 1	NE	2	o	2	b r. o	*	49	40	0.24
	Holyhead ...	28.96	47	SW	0	c	29.08	+.10	44	42	- 1	ENE	3	o	2	c	*	50	42	-
	Parsonstown ...	28.95	45	NW	1	o	29.14	+.16	37	36	- 5	NW	1	o f	*	c p. o	3.3	49	35	0.13
	Valencia ...	28.99	48	NNW	3	b c p	29.13	+.11	41	40	- 5	SW	0	c p	6	r q h p b c p	8.3	46	37	0.14
	Roche's Point ..	28.96	47	NW	3	c	29.13	+.08	44	42	- 1	NNW	3	b	3	c	*	51	39	-
	Pembroke (St. Ann's Hd.)	28.96	46	W	3	b c	29.05	+.01	42	41	- 3	NNW	4	q r	4	c. b c	3.7	49	41	0.09
	Scilly	29.03	47	NNW	6	c	29.08	-.02	48	44	- 1	NW	4	c	4	c r q. c	4.1	50	43	0.14
	Prawle Point ...	28.92	45	NNW	3	c	29.06	-.08	49	45	+ 3	NW	2	b	2	r. c	*	52	36	0.55
	Jersey (St. Anbin's)	28.95	48	SSW	3	q m r	29.09	-.15	44	43	- 4	WSW	4	c m	3	r. o q p	*	49	42	0.67
	Hurst Castle ...	28.90	46	ESE	2	r m	29.02	-.14	43	42	- 5	WNW	3	o m	2	p. r m	*	52	40	0.59
	Dungeness ...	29.01	46	SE	5	r q	29.02	-.09	43	43	0	WSW	4	c	3	o. q. r	*	48	40	0.56
	North Foreland																*			
	London (Brixton) ...	29.03	47	SE	3	b c	28.93	-.29	41	40	- 1	WNW	3	o q r	*	c. o r	0.6	49	40	0.38
	Oxford	29.05	44	ESE	2	c	28.99	-.14	43	41	+ 2	NNW	3	o	*	c p r h	*	54	40	0.08
	Cambridge ...	29.03	46	SSE	4	o	28.92	-.30	41	40	- 2	N	3	a	*	o	0.8	49	39	0.08
	Yarmouth ...	29.10	43	SE	7	q q r	28.97	-.43	45	44	+ 1	ENE	3	r	5	r q	*	45	39	0.27
Germany & Holland.	Cuxhaven ...	29.50	47	SE	4	o	29.29	-.33	40	38	- 1	ESE	5	o	*	o	*	47	37	-
	Berlin	29.63	43	SE	2	b	29.48	-.25	41	37	+ 4	ESE	3	o	*	b	*	50	36	-
	Wiesbaden ...	*	*	*	*	*	29.32	-.37	43	41	+ 7	S	1	b	*	*	*	52	36	0.08
	Munich... ..	-	-	-	-	-	29.48	-.22	43	40	+ 9	W	4	o	*	?	*	48	34	-
	The Helder	29.25	48	ESE	3	c	28.96		44	42		SE	3	r	2	c	*	50	37	0.28
Belgium.	Brussels ...	*	*	*	*	*	29.01		41	39		SSW	6	r	*	o	*	52	38	0.35
	Cape Gris Nez...	?	46	S	3	o	?	?	41	40	+ 1	WNW	5	r	5	o	*	46	37	1.38
	Paris	29.08	46	SE	4	r	29.19	-.31	44	41	+ 6	SSW	6	b c	*	r	*	49	38	0.16
	Brest	29.06	47	NW	4	c	29.12	-.19	47	44	- 1	NW	3	o	6	c	*	48	39	0.55
	Lorient... ...	29.04	48	NNW	7	r	29.14	-.19	48	45	- 1	NW	6	c	7	r	*	55	45	0.43
France &	Rochefort ...	29.23	53	NW	7	c	29.33	-.16	49	47	- 2	W	4	o	*	o c	*	54	45	0.59
	Belfort	29.41	42	WSW	2	r	29.43	-.20	43	40	+ 8	WSW	2	c	*	r	*	51	35	0.16
	Lyons	29.46	46	S	4	o	29.50	-.23	48	43	+ 11	SSW	3	b	*	o	*	55	37	0.12
	Nice	29.67	50	SW	5	c	29.51	-.15	50	50	+ 2	SW	1	q	7	c	*	59	43	0.75
	Perpignan ...	29.50	59	NE	2	b	29.62	-.15	47	45	+ 2	S	2	o	*	b	*	66	45	-
	Biarritz ...	29.43	53	NW	8	r	29.52	-.12	51	48	- 1	SSW	6	b	6	r	*	57	48	0.39
Peninsula.	Corunna ...																*			
	Lisbon																*			
	Azores (P. Delgada)	30.23	58	NNW	3	o	30.19	-.11	58	55	+ 1	NNE	4	o	*	o	*	64	55	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport.. 2.5 hrs;

WEATHER CHARTS

FOR FRIDAY, 14th APRIL, 1899.

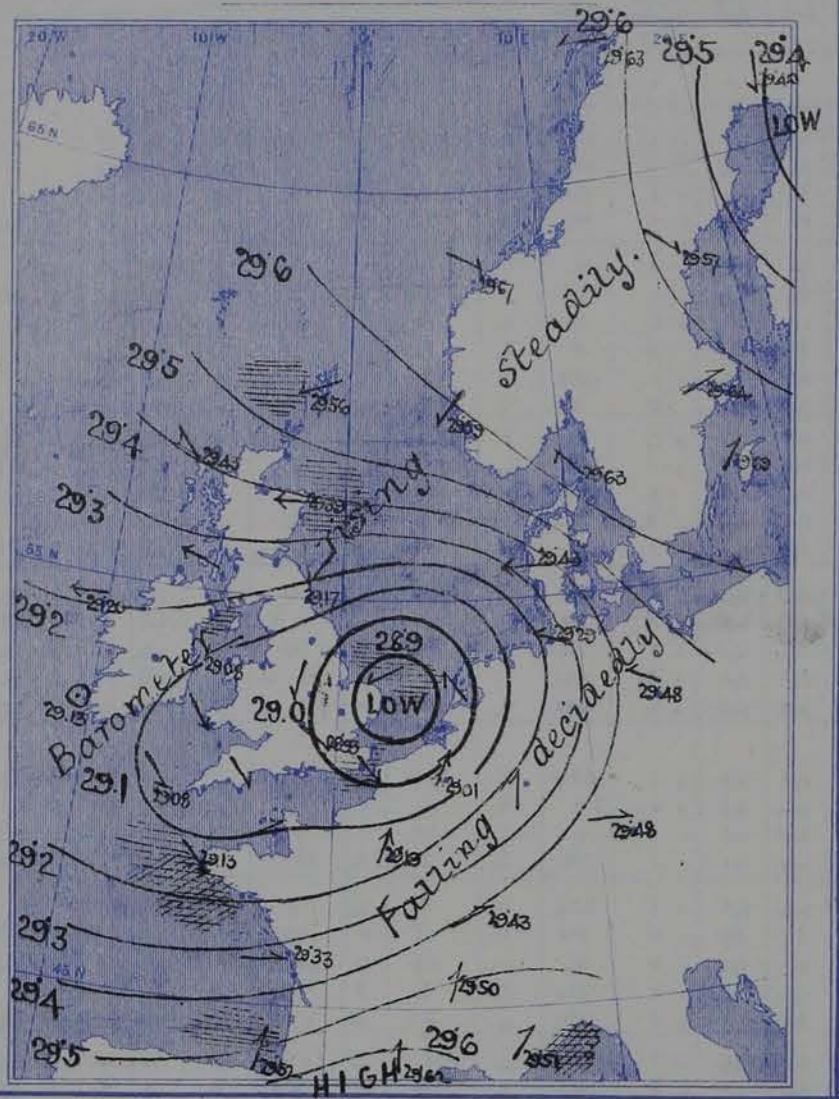
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

SEA—*Rough* ≡ ; *High* ▬



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 7	39 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 1	41 · 7	-	—	—	—	-	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	51 · 9	38 · 2	73	1893	21	1892	2 · 04	155 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	42 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 29·6 in: to 29·7 in: over Norway and the south of Sweden, and (2) 29·6 in: and more to 29·5 ins: over the extreme southwest of France.
Lowest, 28·9 in: and less, over the southeast of England, and below 29·1 in: over Wales. Devon. and Cornwall.
Distribution is consequently very complex; Gradients steep over the Netherlands and the North Sea.
Barometer rising over all the northern and western parts of our area, falling over France and Germany.

TEMPERATURE

Highest, 47° to 51° over the southern and eastern parts of France, with Devon and Cornwall, 44° at Falmouth.
Lowest, 28° in Lapland, 36° at Karlstad, Stockholm and Wisby: (2) 37° at Aberdeen.
It rose to 50° or more at very few of our stations yesterday, to 50° at Berlin, 49° at Paris, 59° at Nice, and 66° at Perpignan.

WIND

E^{3}, and strong at our northern stations, W^{3} to S^{3} over France, E^{2} to NE^{1} over the North Sea. On our southwest coasts it is NW^{2}.
A gale from NW. was felt at Jersey last evening.

WEATHER

Raining over the Netherlands and the southeastern parts of England, but over the northern and northwestern parts of the country the weather is improving.
Rain has fallen very generally—heavily over our southeastern counties and the northeast of France, as well as at Nice. A solar halo was seen at Oxford, and a thunderstorm occurred at Liverpool. Bright Sunshine yesterday was considerable in Ireland, but very slight in the SE. of England.

SEA

Very variable, from rough to slight.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southeast seems to be passing slowly away and the weather is improving in the north and west, and is likely to do so over our southeastern counties later.

FORECASTS

For the 24 hours ending at NOON on 15TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^{4} and NE^{4} winds, fresh; fair as a whole, colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Wind gradually becoming NE^{4}, light to moderate; rainy at first, finer and colder later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N^{4} and NE^{4} winds and improving weather.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.54	43	40	E	4	o	2
Sumburgh Head	29.34	45	43	SE	3	c	6
Stornoway	29.05	50	45	SE	3	c	3
Aberdeen	29.17	44	41	ESE	8	o q q r	6
Shields	29.09	42	41	ESE	4	r	4
Ardrossan							
Malin Head ...	28.92	41	41	E	4	o	3
Belmullet	29.02	48	44	NNW	3	o	*
Holyhead	28.98	50	46	SW	3	c	2
Valencia ..	28.99	43	41	NNW	4	r q h p	5
Scilly	28.97	44	43	NW	6	c q r	4
Jersey	29.06	48	47	SSE	4	o	4
Hurst Castle ...	29.04	48	47	SSW	3	p	3
Dungeness ...	29.14	45	44	S	6	p	5
North Foreland							
London (Westminster)	29.08	47	44	SSW	3	c	*
Yarmouth ..	29.19	43	41	SE	3	r q	5
Rochefort ...	29.34	54	51	SW	6	o	*

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

Continental Information not received.

General Remarks on the Weather over Europe for the 24 hours ended at 8 am on April 13th.

Weather in morning (1) very unsettled over northern Europe, with snow in several places, rain at Moscow; (2) fine over Great Britain and France; (3) becoming rough and unsettled over Ireland and the west of Scotland, with rain locally. Raining in the northeast of Spain. Rain later over our western districts, the amounts being 0·5 in: in the south of Ireland and showers in several other places.

Temperature fallen over England and Central Europe, beginning to rise in Ireland. Morning readings highest 63° at Algiers, 55° at Cagliari and Rome; 47° at Scilly, 45° at Valencia. Lowest 28° at Haparanda, 29° at Hernosand, 30° at Bodö, 35° to 40° in the north and east of Scotland, 37° at York, 39° in London, 35° at Paris. Rising later to between 50° and 55° over our southern and southwestern counties, to 53° at Paris, and to 61° at Nice.

Wind (1) light and anticyclonic over southwestern Europe; (2) Cyclonic and rather showery over northern Europe round a centre lying near Stockholm; (3) S³, moderate (but freshening) at our most western stations. Variable and light over Central Europe. Becoming S³ or SW³ over Great Britain later, but shifting suddenly to NW. in the west of Ireland.

Barometer in morning, highest 30·0 in and more to 29·9 in: over southwestern Europe, and exceeding 29·8 in: all over France and the southern counties of England. A second (faint) high pressure area showing itself in the far north. Lowest (1) 29·2 in: and less, in a complex depression near Stockholm, and below 29·5 in: in a secondary "V" over Central Europe; (2) 29·6 in: and less over the Hebrides and west of Ireland. A depression approaching Stornoway later, and a district "V" advancing over Ireland. Distribution becoming very complex.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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 Saturday, 15th April, 1899.

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

	STATIONS	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...														#		#	#	#	
	Hernösand ...														#		#			
	Stockholm ...														#		#			
	Wigby														#		#			
	Karlstad ...														#		#	#	#	
	Bodö	29.74	31	ENE	2	bc	29.82	+.20	28	26	0	ESE	2	b	1	bc	#	37	29	-
	Christiansund ...	29.56	37	NE	2	bc	29.73	+.06	36	31	0	E	4	b	3	bc	#	39	33	-
	Skudesnaes ...	29.56	46	E	2	b	29.52	-.07	41	34	0	ENE	6	b	2	b	#	34	37	#
	Færder (Christiania Fjord)	29.63	42	E	2	b	29.60	-.04	36	32	0	NE	4	o	2	b	#	42	36	-
	Skagen (The Scaw)	29.55	41	E	3	o	29.49	-.14	40	38	0	ESE	3	o	o	o	#	46	39	0.04
	Fanö	29.32	42	ESE	6	r	29.35	-.08	44	43	+ 4	S	2	b	#	r	#	45	39	0.08
	Sumburgh Head	29.64	40	NE	4	c	29.64	+.08	41	36	- 2	NE	4	bc	6	c	#	44	37	-
	Stornoway ...	29.55	45	ESE	4	c	29.68	+.25	42	39	- 2	E	4	c	4	c	6.1	48	37	-
	Wick	29.60	44	ESE	6	o	29.62	+.15	42	40	- 1	NE	6	c	4	o	#	48	38	0.02
	Nairn	29.50	43	E	4	c	29.60	+.19	40	38	- 3	E	3	o	4	c	#	48	38	0.06
	Aberdeen ...	29.47	42	E	8	cq	29.50	+.11	41	38	- 2	NE	6	cq	7	bcq,cq	7.3	47	38	-
	Leith	29.36	44	ENE	4	o	29.43	+.17	41	39	- 2	NNE	3	o	#	o	#	45	39	0.01
	Shields	29.23	42	NE	4	r	29.23	+.06	41	40	- 2	NE	6	r	6	c.r	#	47	38	0.27
	Spurn Head ...	29.05	44	NNE	4	o	29.12	+.15	42	41	0	NW	4	or	4	o	#	45	41	0.06
	York	29.11	42	N	2	m	29.19	+.12	42	40	- 1	N	2	r	#	pm	?	45	40	0.07
	Loughborough ...	29.08	42	NNW	2	o	29.24	+.23	42	40	0	NW	2	op	#	omq,op	#	43	41	0.17
	Ardrossan ...																#			
	Malin Head ...	29.36	45	NE	5	bc	29.54	+.35	43	42	0	NE	5	bm	3	bc	#	47	42	-
	Belmullet ...	29.38	47	ENE	4	o	29.59	+.39	45	40	+ 1	ENE	4	o	#	o	#	50	38	0.01
	Donaghadee ...	29.30	47	ENE	5	b	29.48	+.34	43	39	- 2	ENE	5	bc	4	b	#	48	?	-
	Liverpool (Bidston)	29.15	44	NNE	4	r	29.31	+.23	42	39	- 2	N	3	r	3	rm	#	47	40	0.08
BRITISH ISLANDS.	Holyhead ...	29.20	47	NE	3	cpm	29.36	+.28	43	41	- 1	NE	6	cm	4	c.m.mp	#	48	41	-
	Parsonstown ...	29.28	46	E	1	bc	29.49	+.35	39	37	+ 2	NE	1	c	#	cpo.bc	2.7	50	34	0.05
	Valencia ...	29.26	49	NNE	3	ot	29.50	+.37	43	40	+ 2	NE	4	bc	4	cr,ot	4.1	53	39	0.10
	Roche's Point ..	29.26	45	SE	1	c	29.46	+.33	45	43	+ 1	NNE	4	c	4	tl.hp.c	#	52	39	0.25
	Pembroke (St. Ann's Hd)	29.15	46	NE	3	o	29.34	+.29	44	42	+ 2	NE	4	o	4	o	0.0	48	41	0.04
	Scilly	29.20	50	WNW	3	c	29.35	+.27	43	42	- 5	NNW	5	rmq	4	bc.c	11.4	58	41	0.06
	Prawle Point ...	29.15	46	W	3	bc	29.30	+.24	43	42	- 6	NNW	2	o	2	bp.bc.l	#	53	40	0.01
	Jersey (St. Aubin's)	29.19	50	SW	4	bc	29.30	+.21	45	44	+ 1	SSW	2	op	2	bc.pbm	#	53	42	0.27
	Hurst Castle ...	29.13	48	WSW	4	cu	29.27	+.25	46	44	+ 3	NNE	1	cm	1	cp	#	50	42	0.01
	Dungeness ...	29.07	47	WSW	5	bc	29.24	+.30	46	44	+ 3	SW	4	op	4	op.bc	#	49	42	0.07
	North Foreland																#			
	London (Brixton) ...	29.07	46	NNW	2	o	29.26	+.33	45	43	+ 4	NNW	1	c	#	op	0.0	48	40	0.18
	Oxford	29.15	41	W	1	r	29.27	+.28	43	41	0	NNW	2	op	#	r	#	47	40	0.08
	Cambridge ...	29.06	42	W	1	d	29.24	+.32	43	43	+ 2	W	2	o	#	r	0.0	45	39	0.22
	Yarmouth ...	28.99	44	WSW	2	o	29.17	+.30	43	42	- 2	WSW	4	c	4	r.o	#	47	40	0.34
GERMANY & HOLLAND.	Cuxhaven ...	29.25	45	SE	3	c	29.34	+.05	48	41	+ 3	S	3	c	#	tl.rq,c	#	48	39	0.24
	Berlin	29.46	46	SE	3	bc	29.52	+.06	45	43	+ 4	SW	3	b	#	bc	#	54	37	-
	Wiesbaden ...	#	#	#	#	#	29.55	+.23	46	42	+ 3	SW	2	b	#	#	#	55	43	0.12
	Munich	29.56	38	SE	4	b	29.71	+.23	40	39	- 3	S	3	b	#	b	#	48	34	0.43
	The Helder ..																#			
BELGIUM.	Brussels ...	#	#	#	#	#	29.37	+.36	44	42	+ 3	SSW	5	o	#	o	#	52	40	0.08
	Cape Gris Nez ...	29.12	46	W	5	bc	29.27	?	43	41	+ 2	W	5	o	5	bc	#	48	39	0.35
	Paris	29.24	48	SW	3	r	29.40	+.21	43	42	- 1	S	4	r	#	r	#	55	42	0.28
	Brest	29.24	48	W	3	c	29.31	+.19	48	44	+ 1	WNW	2	bc	4	c	#	52	43	0.04
	Lorient	29.27	48	W	5	bc	29.34	+.20	48	45	0	W	3	c	3	bc	#	52	43	0.24
FRANCE &	Rochefort ...	29.45	51	W	5	c	29.45	+.12	48	46	- 1	W	5	r	#	c	#	55	45	0.32
	Belfort	29.46	41	S	4	o	29.59	+.16	45	41	+ 2	W	3	c	#	o	#	57	38	0.28
	Lyons	29.54	52	SW	5	o	29.69	+.19	48	43	0	S	3	bc	#	o	#	60	40	-
	Nice	29.61	51	SW	4	c	29.73	+.22	46	42	- 4	E	0	r	4	c	#	55	45	-
	Perpignan ...	29.65	52	NW	3	o	29.73	+.11	48	45	+ 1	W	2	bc	#	o	#	62	39	0.04
	Biarritz ...	29.61	53	W	5	o	29.65	+.13	48	43	- 3	SSW	4	b	6	o	#	63	45	0.08
PENINSULA.	Corunna ...																#			
	Lisbon	29.97	53	NW	3	b	30.00	+.09	55	49	0	W	3	b	#	b	#	61	50	0.34
	Azores (P. Delgada)	30.22	57	NNE	3	b	30.17	-.02	57	51	- 1	NE	2	o	1	b	#	63	50	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·5 hrs;

WEATHER CHARTS

FOR Saturday, 15th April, 1899.

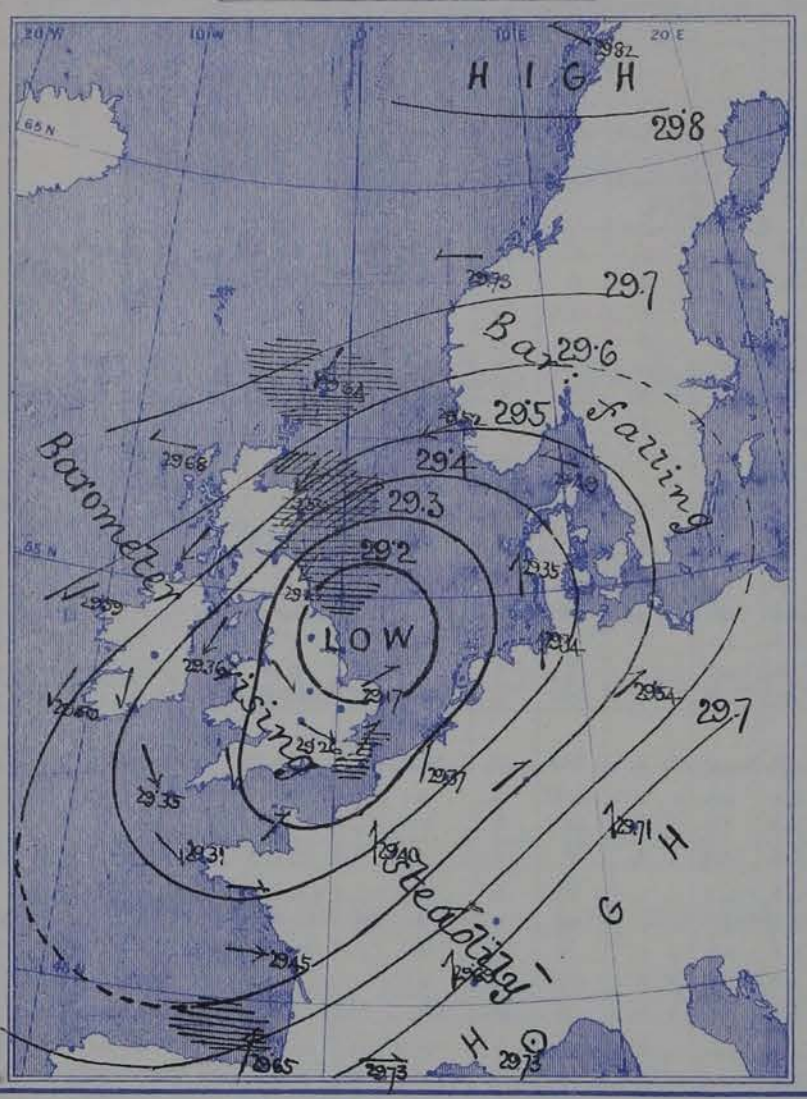
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ➛⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 · 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 · 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 · 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 · 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 · 0	37 · 5	78	1893	22	1881, 91	1 · 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 · 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 · 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 · 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 · 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	195 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 · 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 · 1	37
Cambridge	29 · 904	45 · 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 · 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest,(1) 29·6 in: and more to 29·4 in: over Scotland and Ireland; 29·73 in: at Nice.
Lowest, Below 29·2 in: in a depression off the Lincolnshire coast, and below 29·3 in: in a shallow secondary over the south of England.
Distribution still complex. Barometer rising over our Islands, falling a little in Denmark and the south of Norway.

TEMPERATURE

Highest, 48° at Perpignan and along the west coast of France, 46° at Biarritz, 45° to 43° at stations in the west and south of Ireland.
Lowest, 28° at Christiansund, 36° at Jaeder, 42° to 40° in the north and east of Great Britain
It rose during yesterday to 53° in the southwest of England, to 54° at Berlin, 55° at Paris, 60° at Lyons, and 63° at Biarritz.

WIND

NE^ly and fresh in Scotland, the northeast of England and north of Ireland, N^ly to NW^ly on our southwest coasts, SW^ly to W^ly over the Eastern part of the Channel, SW^ly to S^ly in Germany and Denmark.

WEATHER

Moderately fair over Ireland and Scotland, showery still over the Eastern half of England, and not settled anywhere.
Showers have been very general, thunder and lightning have occurred in the south of Ireland and at Rawle Point, as well as at Fishguard.
Bright Sunshine yesterday amounted to 11·4 hrs at Scilly and 7·3 hrs at Aberdeen, but there was none at Nimbrotte, Cambridge or in London.

SEA

High at Aberdeen, rough off our northeast coasts generally as well as at Biarritz, rather rough at Cape Gris Nez, moderate generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the East is moving away to the northward very slowly, and a gradual improvement in the weather is in progress.

FORECASTS

For the 24 hours ending at NOON on 16TH APRIL 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NE^ly winds, fresh; fair.
1 SCOTLAND EAST	
2 ENGLAND N.E.	NE^ly to NW^ly or W^ly winds; cloudy, rain at times, cool.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos 0 and 1.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as No 10.
9 IRELAND NORTH	Same as Nos 0 and 1.
10 IRELAND SOUTH	N^ly winds; some showers, colder.
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.60	53	52	E	4	b	3
Sumburgh Head	29.63	43	40	NE	4	c	5
Stornoway	29.51	48	45	E	4	c	4
Aberdeen	29.44	45	42	ENE	8	bcq	7
Shields	29.21	46	43	NE	4	c	4
Ardrossan							
Malin Head ...	29.31	47	45	E	5	bc	3
Belmullet	29.32	49	45	ENE	4	o	*
Holyhead	29.17	48	44	NE	5	cm	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.21	68	65	W	0	cv	4
Scilly	29.13	51	46	WNW	3	c	4
Jersey	29.26	51	46	WSW	5	bc	4
Hurst Castle ...	29.09	50	46	WSW	4	cp	3
Dungeness ...	29.05	49	47	WSW	5	cp	4
North Foreland							
London (Westminster)	29.03	48	44	NW	3	op	#
Yarmouth ...	28.95	44	43	SE	2	r	5
Rochefort ...	29.37	53	49	W	5	c	#

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France : at 8 p.m. in Sweden, Norway and Germany. 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, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.60	14	2	0	bc	29.97	+ .15	24	22	+ 2	SSE	2	c	*	bc	*	32	14	—
	Hernösand ...	29.83	28	2	0	b	29.86	+ .07	32	32	— 1	NE	2	0	*	b	*	41	25	—
	Stockholm ...	29.73	36	2	0	0	29.73	+ .02	39	37	+ 1	ESE	4	r	*	0	*	39	30	—
	Wisby	29.68	37	SE	4	b	29.68	+ .06	42	41	+ 2	SSE	4	bc	*	b	*	43	32	0.08
	Karlstad ...	29.60	37	ESE	4	r	29.58	— .07	38	37	+ 1	ESE	4	0	*	r	*	*	*	0.39
	Bodö	29.90	20	E	4	b	29.91	+ .09	21	16	— 7	E	4	b	1	b	*	34	16	—
	Christiansund ...	29.66	36	NE	6	b	29.68	— .05	33	31	— 3	NE	4	c	3	b	*	39	30	—
	Skudesnaes ...	29.84	41	ESE	2	0	29.49	— .03	42	41	+ 1	NNE	4	bc	2	b,0	*	51	39	*
	Færder (Christiania Fjord)	29.56	36	NE	4	r	?29.44	— .16	37	37	+ 1	N	2	r	1	r	*	37	36	0.32
	Skagen (The Scaw)	29.50	41	SE	2	0	29.49	.00	42	42	+ 2	SE	2	m	0	0	*	42	39	0.28
	Fanö	29.45	46	S	1	bc	29.43	+ .08	45	44	+ 1	S	2	bc	*	bc	*	54	41	—
	Sumburgh Head	29.66	39	NE	4	b	29.68	+ .04	36	34	— 5	N	4	bc	6	bc,b	*	45	31	0.01
	Stornoway ...	29.71	43	ENE	4	c	29.81	+ .13	40	36	— 2	ENE	4	csp	4	bc, c	8.6	47	33	0.10
	Wick	29.69	42	NE	6	c	29.74	+ .12	40	38	— 2	N	6	bc	4	c	*	46	34	—
	Nairn	29.65	42	E	5	c	29.77	+ .17	40	37	0	NW	2	b	2	c	*	46	34	0.01
	Aberdeen ...	29.58	40	NE	7	cqq	29.71	+ .21	41	35	0	NNE	6	bcq	6	cgq	1.5	45	34	—
British Isles.	Leith	29.58	42	NNE	3	0	29.72	+ .29	44	39	+ 3	N	2	bc	*	0	*	45	35	—
	Shields	29.40	41	NNE	4	r	29.65	+ .42	41	37	0	N	4	c	5	r	*	42	38	0.27
	Spurn Head ...	29.28	44	NNW	4	c	29.53	+ .41	42	41	0	NNW	5	0	5	c	*	48	41	0.03
	York	29.34	42	N	2	r	29.62	+ .43	42	38	0	NNW	3	c	*	r	?	47	37	0.10
	Loughborough ...	29.33	44	NW	2	0	29.62	+ .38	38	37	— 4	NNW	2	r	*	0.c.0rq	*	48	38	0.07
	Ardrossan ...																*			
	Malin Head ...	29.61	45	N	5	b	29.78	+ .24	43	42	0	N	4	bc	2	b	*	45	39	—
	Belmullet ...	29.70	46	NNE	4	bc	29.84	+ .25	45	42	0	NNW	3	cmw	*	b.bc	*	49	35	0.01
	Donaghadee ...	29.59	45	NNE	5	bc	29.77	+ .29	42	40	— 1	N	4	b	4	bc	*	45	40	—
	Liverpool (Bidston)	29.41	42	NNE	3	p	29.70	+ .39	42	37	0	N	2	b	2	p	*	45	38	0.03
	Holyhead ...	29.46	41	NNE	7	rgmw	29.71	+ .35	42	37	— 1	N	5	c	4	drm.rgmw	*	44	37	0.26
	Parsonstown ...	29.60	42	E	1	0	29.81	+ .32	38	35	— 1	NW	1	b	*	bc, ofq	5.5	49	29	0.01
	Valencia ...	29.61	46	N	3	cfq	29.84	+ .34	45	41	+ 2	NE	1	b	3	c,cf	7.5	49	37	0.11
	Roche's Point ...	29.57	43	NE	3	fq	29.81	+ .35	43	40	— 2	N	3	b	3	p	*	51	37	0.05
	Pembroke (St. Ann's Hd.)	29.45	44	NE	4	c	29.69	+ .35	44	43	0	NE	4	0	4	c	5.6	48	40	0.07
	Scilly	29.45	46	N	4	c	29.66	+ .31	44	42	+ 1	N	5	cf	4	cf.c	4.9	50	41	—
	Prawle Point ...	29.41	47	NW	2	c	29.63	+ .33	43	41	0	N	2	c	1	c,b	*	48	34	—
	Jersey (St. Aubin's)	29.40	51	W	4	bm	29.63	+ .33	49	44	+ 4	WNW	4	b	3	bm	*	53	42	—
	Hurst Castle ...	29.37	49	WSW	3	bcm	29.61	+ .34	47	44	+ 1	NNE	2	cm	2	cf.bcm	*	51	44	0.01
	Dungeness ...	29.34	48	WSW	4	bc	29.57	+ .33	45	43	— 1	N	1	0	1	bc.bcf	*	51	36	—
	North Foreland																*			
	London (Brixton) ...	29.34	48	NW	2	bc	29.60	+ .34	42	40	— 3	NW	2	0	*	opa.b	2.0	53	40	0.02
	Oxford	29.32	42	WNW	2	bc	29.63	+ .36	42	39	— 2	N	2	op	*	p.bc	*	51	40	—
	Cambridge ...	29.33	47	W	2	b	29.60	+ .36	43	42	0	NW	3	c	*	b	4.5	54	40	—
	Yarmouth ...	29.26	46	W	3	bc	29.50	+ .33	44	42	+ 1	WNW	3	c	3	bc	*	50	41	0.05
Germany & Holland.	Cuxhaven ...	29.43	47	S	4	r	29.47	+ .13	43	43	0	SSW	4	op	*	p	*	48	39	0.20
	Berlin	29.58	52	SSE	2	b	29.60	+ .06	47	44	+ 2	SW	2	c	*	b	*	61	45	—
	Wiesbaden ...	*	*	*	*	*	?29.64	+ .09	48	44	+ 2	SW	2	c	*	*	*	57	45	0.08
	Munich	29.60	48	SW	3	0	29.80	+ .09	44	41	+ 4	W	6	c	*	0	*	55	39	0.16
	The Helder ...	29.33	44	SSW	2	bc	29.44		46	44		WSW	3	r	3	bc	*	48	41	0.20
Belgium.	Brussels ...	*	*	*	*	*	29.59	+ .22	44	43	0	WSW	3	0	*	0	*	55	40	0.04
	Cape Gris Nez ...	29.36	47	W	4	c	29.54	+ .27	45	42	+ 2	N	1	m	1	c	*	50	41	0.39
	Paris	29.46	50	SSW	3	bc	29.67	+ .27	45	43	+ 2	SW	3	0	*	bc	*	53	43	0.04
	Brest	29.45	49	NW	2	0	29.66	+ .35	47	41	— 1	N	3	c	3	0	*	55	41	—
	Lorient	29.46	52	W	3	c	29.67	+ .33	46	44	— 2	NW	2	bc	4	c	*	57	43	0.12
France &	Rochefort ...	29.57	49	WSW	6	0	29.70	+ .25	50	46	+ 2	W	5	0	*	0	*	55	45	0.79
	Belfort	29.57	48	W	6	0	29.75	+ .16	48	43	+ 3	WSW	6	c	*	0	*	57	39	—
	Lyons	29.69	50	SW	2	0	29.84	+ .15	45	43	— 3	S	2	0	*	0	*	62	42	—
	Nice	29.72	58	2	0	c	29.90	+ .17	52	43	+ 6	NW	2	b	2	22h,c	*	?	43	0.55
	Perpignan ...	29.79	54	S	1	b	29.93	+ .20	46	44	— 2	WSW	1	b	*	b	*	63	38	—
	Biarritz ...	29.74	51	WSW	4	r	29.83	+ .28	51	48	+ 3	SW	3	0	4	r	*	59	45	0.16
Penin-sula.	Corunna ...	29.80	53	W	4	bc	?29.91	+ .16	53	48	+ 5	SSW	3	b	3	bc	*	57	43	0.16
	Lisbon	30.04	55	W	3	b	30.03	+ .03	56	52	+ 1	SW	3	c	*	b	*	64	52	—
	Azores (P. Delgada)	30.13	54	NNE	4	c	30.15	— .02	54	50	— 3	NNE	4	c	2	c	*	63	52	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Sunday, 16th April, 1899.

BAROMETER, WIND AND SEA.

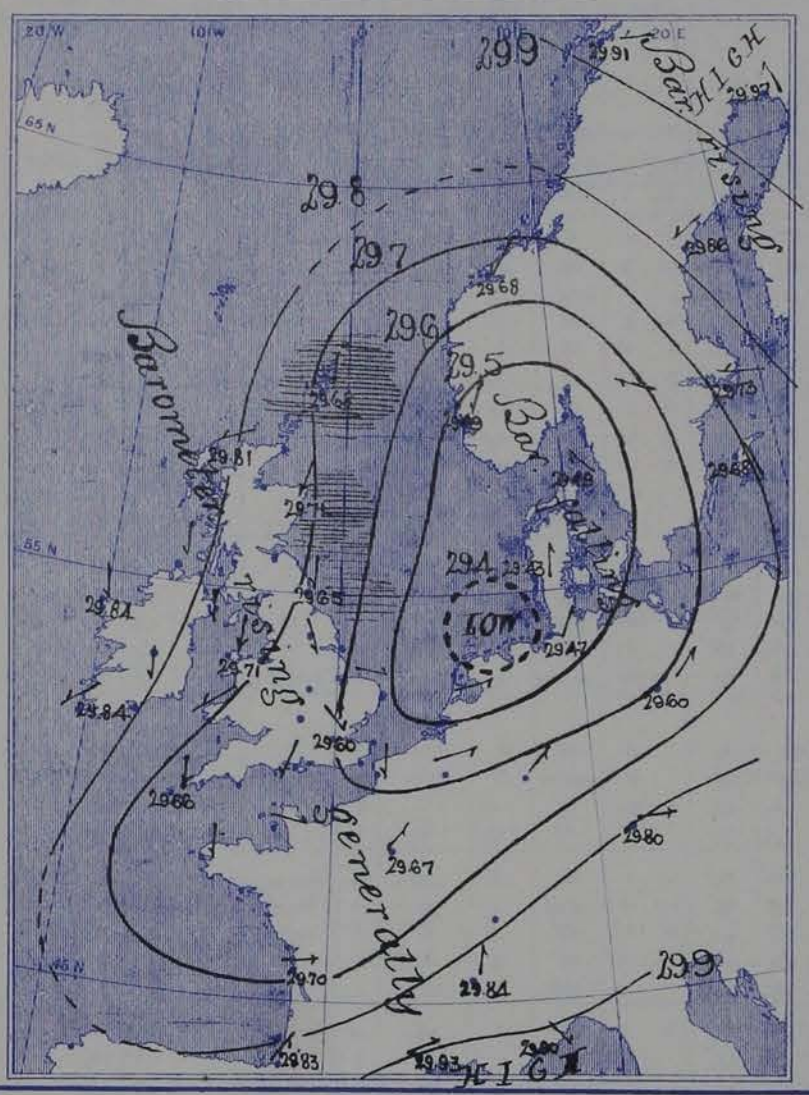
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

Force 8 to 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ;

SEA—Rough ≡ ; *High* ▬

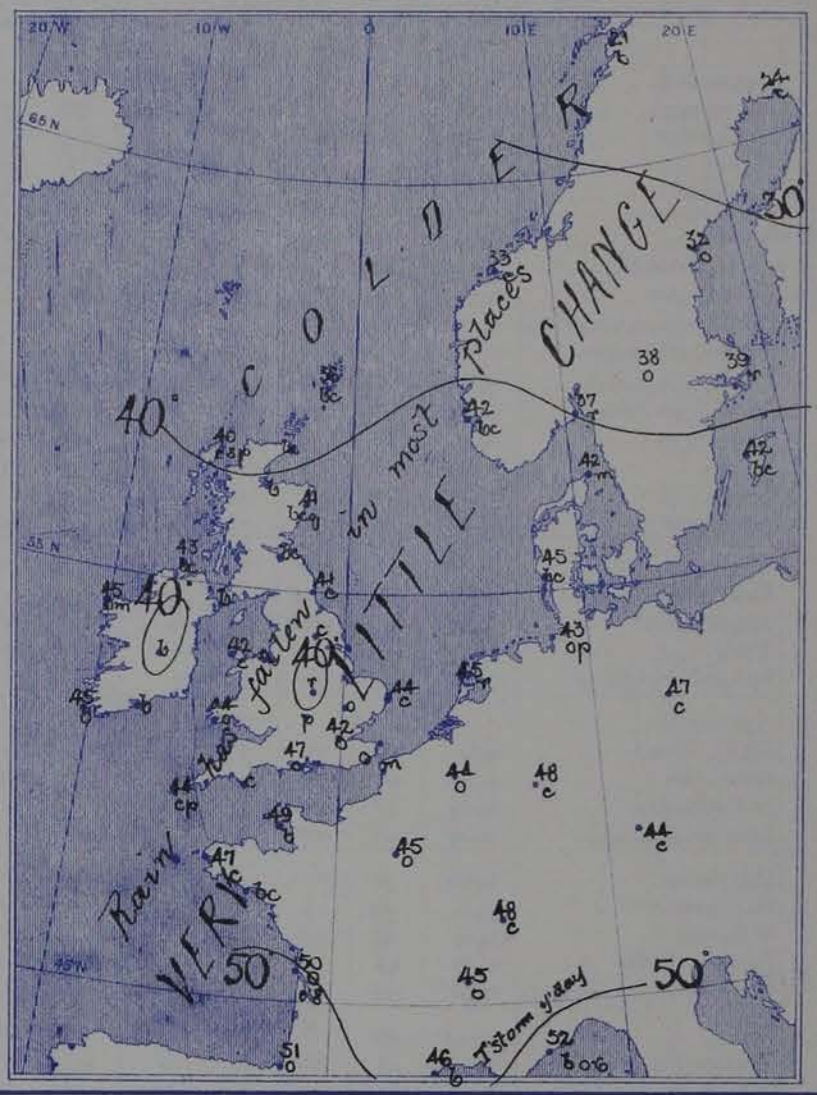


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 · 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 · 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 · 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 · 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 · 0	37 · 5	78	1893	22	1881, 91	1 · 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 · 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 · 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 · 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 · 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	195 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 · 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 · 1	37
Cambridge	29 · 904	45 · 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 · 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30·0 ins: and more to 29·8 ins: over the Spanish Peninsula and southern Europe; (2) 29·9 ins: and more to 29·8 ins: over northern Europe (3) 29·8 ins: and more on Ireland.
Lowest. Below 29·4 ins in a depression between Holland and Holstein, and below 29·6 ins: in a V shaped secondary over the south of England and north of France.
Gradients very greatly, but nowhere steep. Barometer rising over our Islands, France and Germany, falling over Scandinavia.
The depression over the North Sea is growing shallower.

TEMPERATURE

Highest 56° at Lisbon, 51° at Biarritz, 48° at Belfort, 45° at Valencia, 43° at Malin Head, 45° at Leith.
Lowest, 21° at Bodö, 38° at Karlstad; 36° at Lemburgh Head, 40° at Wick, Skein and Stornoway, and 42° at York and Spurn Head.
It exceeded 50° at some of our southern stations yesterday and touched 53° at Paris. At Berlin the maximum was 61° and at Perpignan 63°.

WIND

NE^{2} to N^{2} in Scotland and Ireland, N^{2} to NW^{1} over England.
NW^{1} to SW^{1} in France, SW^{1} over Germany, and SE^{2} in the south of Sweden.
It is not strong anywhere except on the northeast coast of Great Britain; the gale at Aberdeen has died down.

WEATHER

Rather finer than of late, but still dull over our Islands, and in places, showery.
The amounts of rainfall reported in our Islands this morning are not large but 0·8 inch fell at Rochefort. Lightning occurred at Prawle Point, Thunder and hail at Nice.
Bright Sunshine recorded yesterday ranged from 1·5 hrs at Aberdeen and 2·0 hrs: in London to 8·6 hrs at Stornoway.

SEA

Still rough in the far north, rather rough in the northeast, moderate on our southwest coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 17TH APRIL **1899.**

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.52	51	41	NE	4	b	2
Sumburgh Head	29.65	43	38	NE	4	be	6
Stornoway	29.69	47	43	ENE	4	be	4
Aberdeen	29.55	43	38	NE	8	cq/g	7
Shields	29.33	41	40	NE	4	r	6
Ardrossan							
Malin Head ...	29.59	45	43	N	4	b	3
Belmullet	29.66	48	43	NE	4	b	*
Holyhead	29.42	43	40	N	6	dm	4
Valencia	29.57	48	43	NNE	4	c	4
Scilly	29.40	47	45	NNW	4	c	4
Jersey	29.38	51	47	WSW	4	cm	3
Hurst Castle ...	29.33	49	46	SW	2	cp	2
Dungeness ...	29.30	50	48	SW	4	bc	4
North Foreland							
London (Westminster)	29.29	50	43	NW	2	c	*
Yarmouth ...	29.23	47	44	N	3	c	3
Rochefort ...	29.53	50	46	W	5	o	*

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

Weather over our Islands fairer generally than of late but still very cloudy over England and showery, with an inclement air; fair as a whole over Scotland and Ireland. Showers later in almost all parts of the Kingdom, and over Western Europe as a whole, lightning at Brawlet[illegible] and a thunderstorm at Nice.

Temperature still falling in most parts of Central Europe. Morning readings highest 66° at Algiers, 63° at Patras, 58° at Barcelona; 55° at Lisbon, 48° in the west of France, 43° to 45° in the western parts of the British Islands. Lowest 22° at Haparanda, 29° at Hango, 33° at Moscow, 36° at Christiansund; 41° at Sumburgh Head, Aberdeen, and Shields; 39° at Parsonstown. Rising later to only 50° to 54° over the southern parts of our Islands and to 53° at Paris, but touching 61° at Berlin and 63° at Perpignan.

Mild stable cyclonic circulation over Western Europe — NE' in Scotland, N' in Ireland, NW' over the southern of England; W' to SW' over France, S' to E' on the eastern shores of the North Sea. Light and anticyclonic over southern and eastern Europe.

Barometer highest 30·0 ins. and more to 29·7 ins. over the Iberian Peninsula and over southeastern Europe; Exceeding 29·9 ins. at Moscow; 29·8 ins. and more over Lapland. Lowest 29·2 ins. and less. in a depression off the Yorkshire coast, and below 29·4 ins. in a "V" spreading southwestwards over our southeastern counties and Brittany. Rising over our Islands and France 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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 17 April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.98	25	SSE	2	b	29.92	-.05	27	23	+3	SE	4	b	*	b	*	32	12	-
	Hernösand ...	29.77	34	Z	0	0	29.71	-.15	32	31	0	SE	4	0	*	0	*	36	27	-
	Stockholm ...	29.69	36	SE	6	b	29.60	-.13	36	35	-3	SE	4	0	*	b	*	39	34	0.08
	Wisby	29.61	37	SSE	4	b	29.63	-.05	41	40	-1	S	4	0	*	b	*	46	34	-
	Karlstad ...	29.52	39	ESE	5	o	29.47	-.11	40	39	+2	S	4	0	*	r o.r	*	*	*	0.24
	Bodö	29.96	25	E	5	b	29.66	-.25	32	29	+11	SSW	4	0	0	b	*	32	18	-
	Christiansund ...	29.62	32	NE	6	S	29.54	-.14	32	31	-1	NE	6	S	4	S	*	36	30	0.04
	Skudesnaes ...	29.49	42	NNW	4	o	29.50	+.01	38	34	-4	NNW	8	o	2	o	*	48	36	*
	Færder (Christiania Fjord)	29.47	39	N	2	o	29.41	-.03	39	38	+2	SW	3	0	2	o	*	39	36	0.43
	Skagen (The Scaw)	29.46	42	SSE	2	m	29.51	+.02	41	38	-1	W	4	bc	1	m	*	46	39	0.12
	Fanö	29.52	43	WSW	4	c	29.73	+.30	41	40	-4	NNW	6	b	*	c	*	50	39	-
British Islands.	Sumburgh Head	29.68	38	N	4	c	29.70	+.02	36	33	-1	N	2	csp	5	c	*	42	28	0.07
	Stornoway ...	29.83	34	NNE	5	S	29.84	+.03	33	32	-1	NNW	4	c	4	rshp	8.1	42	29	0.25
	Wick	29.74	39	N	5	c	29.76	+.02	34	33	-6	N	2	c	3	S.c	*	44	26	0.05
	Nairn	29.80	40	NNW	2	bc	29.82	+.05	36	34	-4	NNW	2	bcsp	1	sp,bc	*	46	29	0.03
	Aberdeen ...	29.78	35	N	5	cqrshp	29.78	+.07	38	35	-3	NW	4	bcqr	3	c, qshp	10.2	44	30	0.01
	Leith	29.77	46	N	1	o	29.83	+.11	40	36	-4	W	1	b	*	o,sp	*	50	31	-
	Shields	29.76	41	SE	3	b	29.83	+.18	35	34	-6	W	3	csp	3	b	*	45	30	0.01
	Spurn Head ...	29.73	42	N	5	c	29.86	+.33	42	37	0	WSW	3	bc	4	c	*	48	36	-
	York	29.78	43	N	2	b	[illegible]	+.25	36	34	-6	SW	1	bc	*	c. f	?	47	29	-
	Loughborough ...	29.77	44	N	2	c	29.91	+.29	35	31	-3	ESE	1	bcmw	*	a,bcm	*	47	25	0.03
	Ardrossan ...																*			
	Malin Head ...	29.84	42	NNW	4	b	29.90	+.12	36	36	-7	NNW	3	bcsp	2	b	*	48	36	0.03
	Belmullet ...	29.89	43	NNW	4	c	30.00	+.16	42	40	-3	WSW	2	b	*	bc. c	*	46	34	0.10
	Donaghadee ...	29.82	45	? NNE	3	b	29.90	+.13	42	38	0	NNW	3	c	3	b.hp	*	46	38	0.05
	Liverpool (Bidston)	29.81	41	NNW	1	r	29.89	+.19	39	37	-3	NNW	2	c	2	p	*	46	33	0.04
	Holyhead ...	29.81	44	N	3	bc	29.89	+.18	39	37	-3	NNW	4	chp	3	bc	*	44	36	0.16
	Parsonstown ...	29.86	39	NW	1	r	29.94	+.13	39	37	+1	N	1	c	*	bc.r	7.2	49	36	0.06
	Valencia ...	29.88	45	NW	4	o	29.97	+.13	43	40	-2	NE	2	o	3	bc.o	8.8	49	35	-
	Roche's Point ..	29.88	41	W	4	p	29.93	+.12	40	37	-3	NNE	3	bc	3	p	*	52	37	0.10
	Pembroke (St. Ann's Hd.)	29.81	43	NNE	4	b	29.91	+.22	43	41	-1	NNW	3	ogp	3	b	8.6	47	42	-
	Scilly	29.87	47	N	4	c	29.89	+.28	42	40	-2	WSW	1	cp	2	b.c	9.9	50	?39	0.20
	Prawle Point ...	29.81	42	NNW	2	r	29.94	+.31	40	39	-3	WSW	2	b	1	q p	*	50	34	0.05
	Jersey (St. Aubin's)	29.76	50	W	4	cqp	29.97	+.34	47	43	-2	NW	3	cm	3	cqp	*	52	39	0.02
	Hurst Castle ...	29.75	44	NNE	2	cpm	29.94	+.33	44	41	-3	NNE	2	bm	1	cmp	*	50	44	0.01
	Dungeness ...	29.71	44	N	2	p	29.91	+.34	41	40	-4	N	2	c	1	p	*	51	37	0.15
	North Foreland																*			
	London (Brixton) ...	29.73	44	NNW	2	og	29.94	+.34	40	37	-2	Z	0	m	*	o q r b	0.3	49	33	0.03
	Oxford	29.83	39	NE	1	o	29.95	+.32	38	36	-3	W	1	o	*	2,rs,b	*	43	30	0.16
	Cambridge ...	29.77	43	NNE	3	o	29.94	+.34	38	36	-5	Z	0	b	*	or	0.1	49	29	0.08
	Yarmouth ...	29.68	45	NNW	4	c	29.87	+.37	42	39	-2	NNW	2	bcr	3	c	*	47	34	0.02
Germany & Holland.	Cuxhaven ...	29.53	47	WSW	3	c	29.76	+.29	42	41	-1	W	3	b	*	crq	*	48	39	0.04
	Berlin	29.67	49	SW	2	c	29.64	+.24	46	44	-1	WSW	4	b	*	c	*	59	45	0.08
	Wiesbaden ...	*	*	*	*	*	29.91	?	44	42	-4	SW	1	o	*	*	*	55	37	0.12
	Munich... ...	29.90	43	SW	3	b	30.03	+.23	44	42	0	S	2	c	*	b	*	54	39	-
	The Helder ...	29.65	44	NW	2	bc	29.83	+.39	43	39	-2	NNW	2	bc	2	bc	*	50	39	-
Belgium.	Brussels ...	*	*	*	*	*	29.89	+.30	39	37	-5	NNW	2	o	*	c	*	52	37	0.08
	Cape Gris Nez...	29.75	45	ENE	2	o	29.85	+.31	38	38	-7	ENE	3	r	3	o	*	54	37	0.16
	Paris	29.77	51	SW	2	b	29.94	+.27	40	39	-5	SSW	2	m	*	b	*	57	36	0.04
	Brest	29.84	50	N	3	bc	30.00	+.31	45	42	-2	NW	1	c	2	bc	*	52	37	-
	Lorient... ...	29.83	50	NW	5	bc	29.98	+.31	44	41	-2	N	2	b	2	bc	*	55	43	-
France &	Rochefort ...	29.88	54	NW	3	bc	29.94	+.24	46	43	-4	E	2	b	*	bc	*	59	43	0.08
	Belfort	29.89	43	WSW	4	r	30.01	+.26	45	43	-3	W	3	o	*	r	*	53	41	0.28
	Lyons	29.89	55	WSW	2	o	30.01	+.17	48	44	+3	E	1	o	*	o	*	63	45	-
	Nice	29.93	52	SW	5	c	30.02	+.12	49	45	-3	E	3	o	4	c	*	59	43	-
	Perpignan ...	29.93	55	NE	1	o	29.96	+.03	50	48	+4	WSW	1	o	*	o	*	64	41	-
	Biarritz ...	29.93	54	SW	5	c	29.93	+.10	49	47	-2	E	3	o	2	o	*	57	48	0.12
Peninsula.	Corunna ...																*			
	Lisbon	30.01	59	NW	3	b	29.99	-.04	56	52	0	NE	2	o	*	b	*	63	50	-
	Azores (P. Delgada)	30.17	56	NNE	3	o	30.06	-.09	59	55	+5	SSE	4	o	4	o	*	63	54	-

For Explanation of Columns, see bottom of last page.

† *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 8.0 hrs;

WEATHER CHARTS

FOR Monday, 17th April, 1899.

BAROMETER, WIND AND SEA.

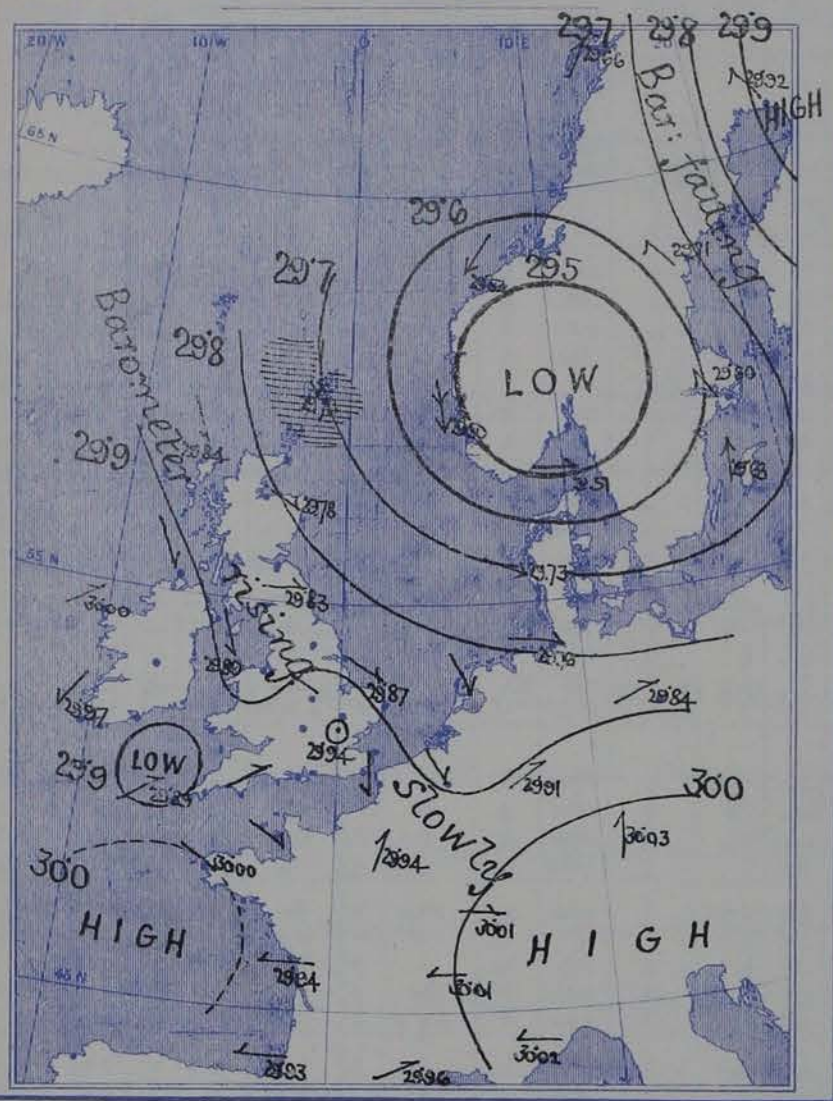
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟩⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ≡ ; High ▬

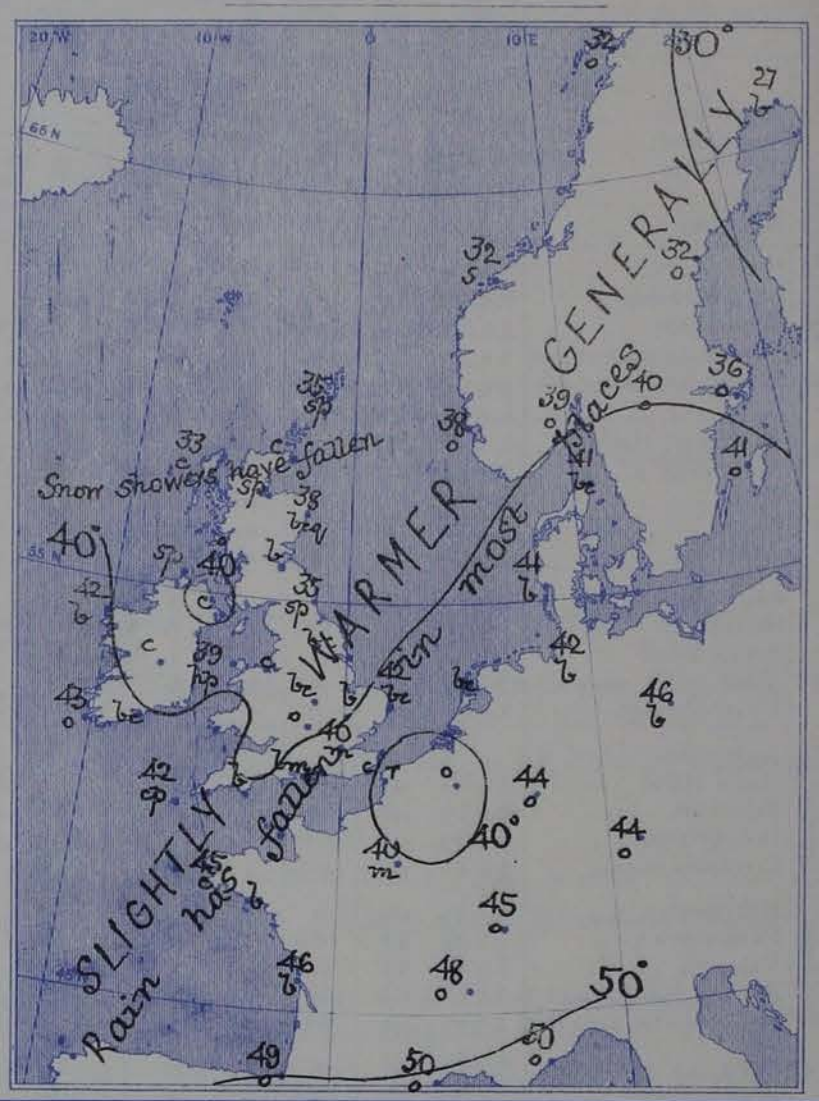


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum	Years.		Hours.	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 3	41 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 ins: and more to 29·9 ins: over Ireland and nearly the whole of France.
Lowest, 29·5 ins and less. in a shallow depression over the south of Norway. There is also a very shallow local depression near Scilly.
Gradients slight over our Islands and France.
Barometer rising over our Islands generally, falling over Scandinavia.

TEMPERATURE

Highest, 56° at Lisbon, 50° at Nice, 49° at Biarritz, 47° at Jersey, 43° at Valencia, 42° at Belmullet.
Lowest, 27° at Haparanda, 32° at Hernösand, Bodö, and Christiansund, 35° to 40° at the Scotch stations.
It fell very low (for the time of year) in the night over Central England having touched 25° in the shade and 21° on the grass at Loughborough, 30° in the shade and 24° on the grass at Oxford. In London the cold was less sharp.

WIND

Light and Variable from the N^th and NW^wd over Ireland and Scotland, light and variable from a more W^ly point in the Channel; very variable over France.

WEATHER

Rather showery at a few stations, but fair as a whole over our Islands and hazy at the southern stations.
The showers which fell yesterday were pretty general, but were slight; that in London did not occur till the evening.
Bright Sunshine slight in the south considerable in the west and north.

SEA

Continues rough in the far north, but is smooth in the south and south east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change is indicated but more haze in the south.

FORECASTS

For the 24 hours ending at NOON on 18TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly and N^ly breezes, light; fair as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Varying airs; hazy, possibly a shower or two.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N^ly winds, light; local showers, but fair as a whole.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.49	48	41	NNW	4	m	4	Valencia							
Sumburgh Head								Scilly							
Stornoway	29.86	40	38	NNE	4	ors	4	Jersey	29.73	52	47	WNW	4	bc	3
Aberdeen								Hurst Castle ...							
Shields								Dungeness ...	29.66	47	45	SSW	2	0	1
Ardrossan								North Foreland							
Malin Head ...	29.82	48	45	N	2	b	1	London (Westminster)							*
Belmullet	29.86	44	41	NNE	4	bc	*	Yarmouth ...							
Holyhead								Rochefort ...	29.80	57	52	WNW	4	bc	*

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

Continental Information not received

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 9TH TO THE 15TH APRIL 1899

The principal features of the weather of the past week have been (1) the persistency with which pressure has remained highest over south-western Europe and Central Russia – although it decreased greatly in all districts until Thursday – and the showery state caused by the advance of two well-defined depressions over the British Islands from the north-westward and the singular manner in which they moved to the north-eastward and northward, after passing away from us to the North Sea and the Baltic.

The first one reached our north-western coasts at 6 pm on the 9th, a portion off the Yorkshire coast at 8 am on 10th, Copenhagen and its neighbourhood by 8 am 11th, and Sweden on the 12th.

The second appeared off our north-west coasts on the 12th, and was reinforced in the following night. It assumed definite form as it travelled across our Islands on the 13th and had developed a local minimum over the Channel at 6 pm on Thursday. This then became the main disturbance, reaching the East coast of England early on the 14th, then moving irregularly, and finally passing to the eastward of the North Sea on Sunday (16th). Cold showery weather has been general, snow in many places, thunder in a few, and cold N' to NW' winds were still the dominant feature in our Islands at the close of the week, with a rising barometer.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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 Tuesday 18th April, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	?	22	L	0	bc	29.74	− .18	27	25	0	L	0	b.	#	bc	#	36	21	—
	Hernösand ...	29.62	33	SE	2	c	29.57	− .14	35	34	+ 3	SE	2	s	#	s	#	37	28	0.08
	Stockholm ...	29.62	39	E	2	o	29.69	+ .07	39	35	+ 3	SW	3	bc	#	o	#	39	34	—
	Wisby	29.72	39	SW	4	b	29.85	+ .22	37	34	— 4	SW	6	b	#	b	#	48	34	—
	Karlstad ...	29.53	38	SW	6	b	29.52	+ .05	37	32	— 3	SW	4	o	#	b	#	#	#	—
	Bodö	29.62	35	E	4	bc	29.57	− .09	36	32	+ 4	ENE	4	b	1	bc	#	39	28	—
	Christiansund ...	29.47	35	NE	3	s	29.62	+ .08	36	35	+ 4	NE	4	o	4	s	#	36	30	0.43
	Skudesnaes ...	29.69	37	NW	7	c	29.84	+ .34	39	35	+ 1	NNW	6	b	2	c. c	#	39	34	#
	Færder (Christiania Fjord)	29.49	39	SW	6	b	29.60	+ .19	39	34	0	WSW	6	bc	4	b	#	41	37	—
	Skagen (The Scaw)	29.71	39	WNW	6	b	29.77	+ .26	40	36	− 1	WNW	7	b	2	b	#	45	36	—
	Fanö	29.89	39	W	4	bc	30.00	+ .27	40	40	− 1	W	4	b	#	bc	#	46	37	—
	Sumburgh Head	29.77	34	N	2	chp	29.89	+ .19	36	33	+ 1	NE	1	b	3	csp. chp	#	40	27	0.07
	Stornoway ...	29.90	36	NW	3	o	29.93	+ .09	36	35	+ 3	NW	3	c	3	sp. c. o	7.1	39	27	0.08
	Wick	29.82	32	N	3	c	29.93	+ .17	39	37	+ 5	N	2	b	2	c. s	#	42	27	0.08
	Nairn	29.89	36	N	2	o	29.97	+ .15	34	32	− 2	W	1	bshp	1	o	#	44	26	0.09
	Aberdeen ...	29.86	37	NNE	3	bc	29.98	+ .20	39	34	+ 1	W	2	bc	1	csp. bc	11.2	43	28	0.01
British Islands.	Leith	29.85	45	WNW	3	bc	30.00	+ .17	39	35	− 1	W	1	bm	#	bc	#	50	30	—
	Shields	29.89	38	NNE	1	o	30.00	+ .17	38	35	+ 3	W	3	c	3	sp. c. o	#	45	29	0.02
	Spurn Head ...	29.88	41	SSW	4	c	30.03	+ .17	41	39	− 1	WNW	3	b	3	cmp	#	49	35	0.13
	York	29.88	46	N	1	bc	30.04	+ .17	38	35	+ 2	WNW	1	b	#	bc	?	50	?30	—
	Loughborough ...	29.92	44	WSW	1	c	30.07	+ .16	37	35	+ 2	WNW	1	bmc	#	or. c. bm	#	47	27	0.09
	Ardrossan ...																#			
	Malin Head ...	29.95	40	NNW	2	b	29.93	+ .03	39	38	+ 3	S	3	cg	3	b	#	43	35	0.01
	Belmullet ...	29.99	44	WNW	1	b	29.91	− .09	47	44	+ 5	WSW	5	o	#	bc. b	#	45	35	0.17
	Donaghadee ...	29.94	43	N	2	crsp	30.04	+ .14	40	37	− 2	S	2	b	2	crsp	#	46	39	—
	Liverpool (Bidston)	29.95	43	WNW	2	b	30.06	+ .17	43	38	+ 4	WSW	1	b	1	rs. b	#	45	35	0.06
	Holyhead ...	29.96	42	N	1	b	30.04	+ .15	46	41	+ 7	W	1	b	1	bc. b	#	46	36	—
	Parsonstown ...	29.97	44	W	1	c	30.04	+ .10	39	36	0	S	1	b	#	c	8.3	49	29	—
	Valencia ...	30.01	46	WNW	3	bv	30.05	+ .08	45	43	+ 2	SW	2	cp	3	bcv. b	12.3	48	33	0.04
	Roche's Point ..	29.96	50	NNW	3	b	30.08	+ .15	43	40	+ 3	SW	3	b	3	b	#	51	35	—
	Pembroke (St. Ann's Hd.)	29.96	42	NE	3	bc	30.07	+ .16	45	41	+ 2	SE	2	b	0	bc	3.6	47	?39	—
	Scilly	29.98	48	NW	2	c	30.07	+ .18	48	44	+ 6	NNW	1	c	1	c	11.2	50	39	0.02
	Prawle Point ...	29.94	44	WSW	3	bc	30.07	+ .13	47	44	+ 7	N	3	b	2	p. bc	#	49	35	0.02
	Jersey (St. Aubin's)	29.96	52	SSE	2	b	30.04	+ .07	50	45	+ 3	WNW	3	bc	3	bc. b	#	54	38	—
	Hurst Castle ...	29.95	49	WSW	1	bcp	30.05	+ .11	40	39	— 4	NNE	1	cp	1	bcm. bcp	#	50	39	0.05
	Dungeness ...	29.96	46	SW	3	b	30.04	+ .13	47	47	+ 6	SSW	1	b	1	b	#	50	37	—
	North Foreland																#			
	London (Brixton) ...	29.95	47	SW	3	bc	30.06	+ .12	42	40	+ 2	WSW	1	m	#	bc. b	5.4	54	32	—
	Oxford	29.98	42	WSW	3	o	30.07	+ .12	41	37	+ 3	N	2	o	#	c. op	#	52	37	0.02
	Cambridge ...	29.94	45	NW	3	o	30.07	+ .13	40	37	+ 2	NNW	1	cm	#	b. o	10.6	54	36	0.01
	Yarmouth ...	29.90	44	S	4	bcv	30.03	+ .16	41	39	− 1	W	3	c	3	bc. bcv	#	45	36	—
Germany & Holland.	Cuxhaven ...	29.94	41	W	2	b	30.03	+ .27	42	40	0	SW	1	b	#	b	#	48	36	—
	Berlin	29.95	44	WNW	4	o	30.15	+ .31	40	39	− 6	SW	2	b	#	o	#	55	36	0.12
	Wiesbaden ...	#	#	#	#	#	30.08	+ .17	41	38	− 3	NE	1	b	#	#	#	55	34	0.08
	Munich	30.06	47	L	0	o	30.09	+ .06	48	45	+ 4	SE	4	bc	#	o	#	55	37	—
	The Helder ...	29.95	42	SW	1	b	30.01	+ .18	46	43	+ 3	SW	1	bc	0	b	#	48	36	—
Belgium.	Brussels ...	#	#	#	#	#	30.10	+ .21	42	39	+ 3	SSE	2	c	#	b	#	49	35	—
	Cape Gris Nez ...	?	45	SW	1	bc	?	?	40	38	+ 2	SE	1	c	1	bc	#	?54	37	—
	Paris	30.00	49	L	0	b	30.04	+ .10	39	38	— 1	ENE	1	m	#	b	#	54	37	—
	Brest	29.97	49	N	2	bc	30.05	+ .05	42	38	— 3	NE	1	bc	1	bc	#	54	34	—
	Lorient	29.97	54	W	1	b	30.03	+ .05	43	41	— 1	NNE	4	b	3	b	#	59	41	—
France &	Rochefort ...	29.97	54	WSW	2	c	29.97	+ .03	47	46	+ 1	NNE	3	o	#	c	#	63	45	0.16
	Belfort	29.98	48	L	0	r	29.97	− .04	45	44	0	ENE	4	o	#	r	#	55	41	0.16
	Lyons	29.99	51	NNW	2	c	29.93	− .08	44	42	− 4	N	4	b	#	c	#	64	40	—
	Nice	30.00	54	SE	2	c	29.95	− .07	50	49	+ 1	ENE	2	o	4	c	#	63	48	—
	Perpignan ...	29.79	57	E	2	o	29.89	− .07	56	53	+ 6	SW	2	r	#	o	#	64	60	—
	Biarritz	29.82	59	NE	3	o	29.91	− .02	50	48	+ 1	ENE	4	r	2	o	#	?	48	1.10
Peninsula.	Corunna ...																#			
	Lisbon	30.02	52	NW	3	b	30.09	+ .10	55	50	− 1	NNW	3	bc	#	b	#	63	50	—
	Azores (P. Delgada)																#			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 7.6 hrs;

WEATHER CHARTS

FOR Tuesday, 18th April, 1899.

BAROMETER, WIND AND SEA.

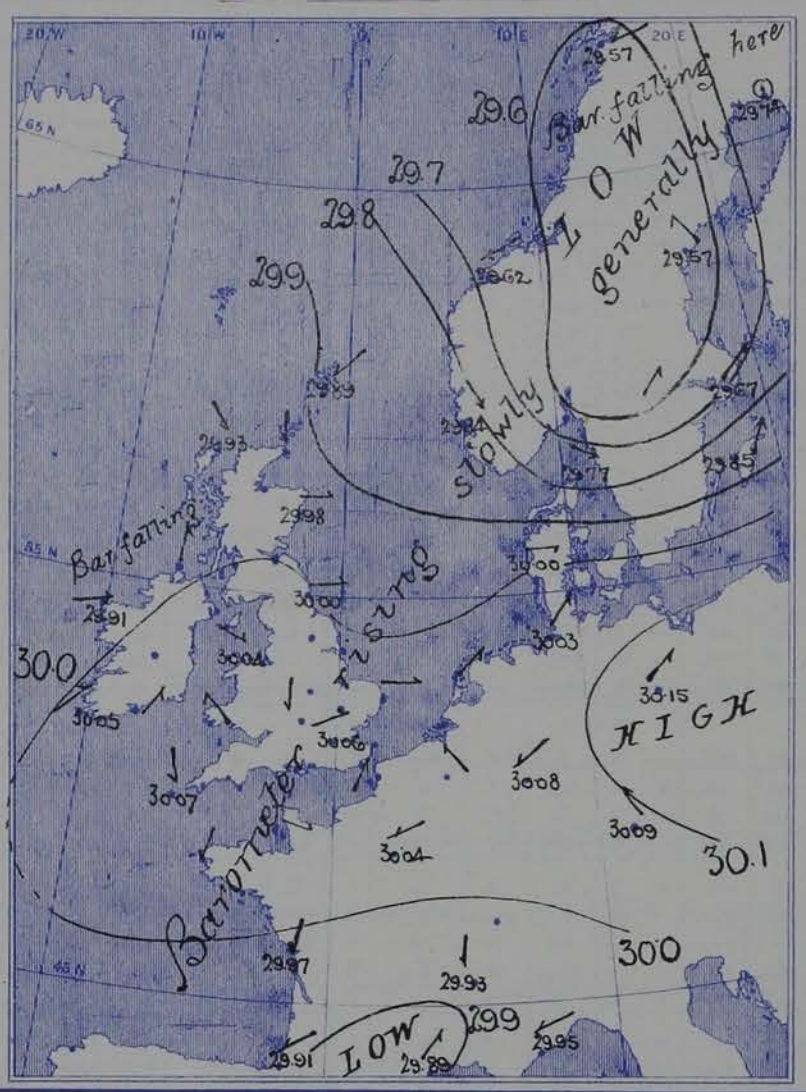
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7		—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7		—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·1 ins. and upwards over Germany; 30·0 ins. and upwards in an anticyclone extending thence over England, the E. and S. of Ireland and the Nᵗʰ. parts of France.
Lowest 29·6 ins. and less in a large depression lying over Scandinavia.
Gradients slight generally, but rather steep over the Sᵗʰ. parts of Scandinavia.
Barometer rising generally, but falling on our own extreme NW. coasts, as well as in the N. of Scandinavia and the E. and SE. of France.

TEMPERATURE

Highest 56° at Perpignan, 55° at Lisbon, 50° at Jersey, Biarritz and Nice and 48° at Nice.
Lowest (1) 27° at Haparanda, and 35° at Hernösand; (2) 34° at Nairn, 36° at Dunbugh Head and Stornoway, and 37° at Loughborough.
Frost occurred last night in many parts of Gt. Britain, the lowest readings reported being:- (1) In the screen 26° at Nairn, and 27° at Dunbugh Hd. Stornoway, Wick and Loughborough; (2) on the grass 21° at Loughborough and 26° in London.

WIND

Light from the Nᵗʰ. in the south of England; moderate from the NEᵗʰ. over the greater part of France.
SW¼ in Ireland, and fresh in force at Belmullet; N¼ in the north of Scotland, W¼ on our E. coasts.
Strong from the Wᵗʰ. in Denmark, and from the SWᵗʰ. in the south of Scandinavia; NE¼ in the west of Norway.

WEATHER

Fine over the greater part of our Islands, and also in the Netherlands, Germany, Denmark and the south of Scandinavia; showers were, however, reported at Valencia (Ireland) and Hurst Castle, and snow and hail at Nairn.
Dull in France, with rain at Biarritz and Perpignan, dull also in the more central parts of Scandinavia with snow at Hernösand.
Snow and sleet showers fell yesterday at many of our Nᵗʰ. stations, and a little rain at many places in the south. A lunar halo was seen at Belmullet.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which has been formed over Wᵗʰ. Europe is inclined to increase both in size and height. Shallow depressions are apparently lying off our W. and NW. coasts, but are scarcely likely to advance Eᵗʰᵉ.

FORECASTS

For the 24 hours ending at NOON on 19ᵀᴴ. APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW¼ to SW¼ winds, light or moderate, fine at first, some rain later.
1	SCOTLAND EAST	W¼ to SW¼ winds, light; fair generally, milder.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light variable breezes; fair generally, but hazy or foggy in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW¼ winds, light, fine at first, showery later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos. 3 to 5.
9	IRELAND NORTH	S¼ and SW¼ winds moderate or fresh; changeable, some showers.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.61	36	35	WNW	8	o	3	Valencia	30.00	48	42	NW	2	bcv	4
Sumburgh Head	29.73	38	35	NW	2	csp	5	Scilly	29.93	49	45	NW	2	c	1
Stornoway	29.88	37	35	ENE	4	c	4	Jersey	30.00	51	45	SW	4	bc	3
Aberdeen	29.81	43	36	NNW	5	cq[illegible]	4	Hurst Castle ...	29.96	49	44	SSW	3	bcm	1
Shields	29.85	40	37	E	0	c	3	Dungeness ...	29.96	49	45	S	2	b	1
Ardrossan								North Foreland							
Malin Head ...	29.93	43	40	NW	3	b	2	London (Westminster)	29.93	54	43	SSW	2	bc	*
Belmullet	29.99	45	40	NNW	3	bc	*	Yarmouth ...	29.90	45	40	SE	4	bc	
Holyhead	29.93	45	40	N	2	bc	1	Rochefort ...	29.94	58	50	NE	2	bc	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 19th April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.71	23	NW	0	c	29.69	-.05	28	26	+ 1	NW	0	0	#	c	#	37	18	-
	Hernösand ...	29.65	32	NW	0	f	29.74	+.17	34	32	- 1	S	2	r	#	f	#	41	30	0.04
	Stockholm ...	29.73	40	W	10	0	29.95	+.28	38	35	- 1	W	4	b	#	0	#	43	30	-
	Wisby	30.13	38	SW	4	b	30.10	+.25	36	34	- 1	WSW	6	b	#	b	#	43	32	-
	Karlstad ...	29.80	39	WSW	4	bc	30.02	+.50	35	31	- 2	W	4	b	#	bc	#	#	#	-
	Bodö	29.67	35	N	4	0	29.76	+.19	34	32	- 2	SW	4	0	2	0	#	44	32	-
	Christiansund ...	29.80	36	W	4	s	29.95	+.33	33	32	- 3	W	6	bc	4	s	#	39	32	0.04
	Skudesnaes ...	30.02	39	W	2	c	29.95	+.11	36	35	- 3	SSE	6	0	?	r,c	#	?	?	#
	Færder (Christiania Fjord)	29.85	39	W	3	b	30.06	+.46	36	31	- 3	W	2	b	2	b	#	43	36	-
	Skagen (The Scaw)	29.99	39	WNW	6	b	30.13	+.36	40	36	0	W	2	b	0	b	#	45	36	-
	Fanö	30.17	39	W	1	b	30.21	+.21	41	38	+ 1	SW	2	b	#	b	#	46	37	-
	Sumburgh Head	29.95	36	NE	1	bc	29.80	-.09	34	34	- 2	ESE	3	osp	4	csp,bc	#	41	30	0.09
	Stornoway ...	29.84	41	ESE	4	0	29.84	-.09	37	36	+ 1	ENE	4	0	4	bc.o	7.1	45	33	0.10
	Wick	29.91	40	SE	4	0	29.79	-.14	41	40	+ 2	NE	3	bcrsp	2	0	#	44	34	0.10
	Nairn	29.89	42	SSE	2	0	29.79	-.18	38	37	+ 4	E	1	orsp	1	0	#	48	32	0.65
	Aberdeen ...	29.95	41	S	4	ogq	29.77	-.21	41	38	+ 2	W	5	cq	3	bc.ogq.r	8.8	45	36	0.21
British Islands.	Leith	29.92	43	W	2	0	29.83	-.17	44	43	+ 5	W	3	r	#	0	#	49	36	0.21
	Shields	29.99	44	S	2	cm	29.90	-.10	49	46	+ 11	SW	4	c	2	c.cm	#	49	35	-
	Spurn Head ...	30.06	44	SE	4	b	30.07	+.04	45	42	+ 4	SW	4	bc	4	b	#	48	38	-
	York	30.07	50	W	1	b	30.06	+.02	48	44	+ 10	SSW	2	bc	#	b	?	51	36	-
	Loughborough ...	30.08	52	W	1	b	30.14	+.07	44	41	+ 7	WSW	3	bcw	#	bcb	#	55	33	-
	Ardrossan ...																#			
	Malin Head ...	29.78	45	SW	6	ogp	29.86	-.07	43	43	+ 4	WSW	3	o	3	p.r	#	45	39	0.63
	Belmullet ...	29.90	49	WSW	7	op	29.97	+.06	48	46	+ 1	WNW	3	r	#	o.op	#	49	44	0.45
	Donaghadee ...	29.95	46	S	4	ogp	29.92	-.12	46	44	+ 6	SW	5	e	5	ogp	#	49	39	0.05
	Liverpool (Bidston)	30.07	49	WSW	3	b	30.08	+.02	50	45	+ 1	SW	2	b	2	b	#	51	41	-
	Holyhead ...	30.05	46	SW	4	cm	30.06	+.02	49	45	+ 3	SW	4	cm	3	b.cm	#	50	41	0.04
	Parsonstown ...	30.10	47	SW	1	o	30.05	+.01	46	43	+ 1	SW	1	op	#	c.o	4.8	51	38	0.09
	Valencia ...	30.07	50	SW	4	bcp	30.10	+.05	49	44	+ 4	SSW	3	bc	4	op.bcp	7.9	52	43	0.17
	Roche's Point ...	30.10	50	WSW	4	b	30.13	+.05	48	46	+ 5	W	3	c	3	b	#	53	42	-
	Pembroke (St. Ann's Hd.)	30.11	47	WSW	4	b	30.15	+.08	49	46	+ 4	W	4	b	3	b	12.6	50	43	-
	Scilly	30.24	52	NNW	1	bc	30.19	+.12	51	46	+ 3	SSW	1	bc	0	b.bc	9.3	55	44	-
	Prawle Point ...	30.13	47	SW	2	bc	30.22	+.15	47	43	0	SSE	1	b	1	bc	#	51	36	-
	Jersey (St. Aubin's)	30.12	50	NW	3	b	30.22	+.18	50	46	0	NNW	3	bmw	3	bc.b	#	53	36	-
	Hurst Castle ...	30.10	49	SW	2	cm	30.21	+.16	47	43	+ 1	NE	1	bm	1	bc.cm	#	52	35	-
	Dungeness ...	30.09	47	ENE	1	c	30.19	+.15	47	45	0	S	0	b	0	b.c	#	53	32	-
	North Foreland																#			
	London (Brixton) ...	30.10	50	NE	1	cq	30.19	+.13	44	40	+ 2	NSW	1	b	#	bcm.bw	3.0	54	32	-
	Oxford	30.15	44	NNW	1	b	30.20	+.13	43	40	+ 2	NSW	2	b	#	b	#	53	35	-
	Cambridge ...	30.11	51	S	0	bm	30.19	+.12	45	42	+ 5	SW	2	b	#	bm	1.4	55	31	-
	Yarmouth ...	30.09	45	E	3	b	30.14	+.11	47	44	+ 6	NSW	3	b	2	bc.b	#	48	36	-
Germany & Holland.	Cuxhaven ...	30.09	43	NW	1	0	30.17	+.14	42	41	0	ESE	2	b	#	0	#	46	37	-
	Berlin	30.09	51	SE	1	0	30.15	.00	45	41	+ 5	NE	3	c	#	0	#	55	40	-
	Wiesbaden ...	*	*	*	*	*	30.06	-.02	48	44	+ 7	N	1	0	#	*	#	57	41	0.08
	Munich	29.96	52	S	0	0	29.92	-.17	48	48	0	N	2	0	#	0	#	59	46	0.08
	The Helder ...	30.08	45	N	1	b	30.17	+.16	47	43	+ 1	S	0	b	0	b	#	52	36	-
Belgium.	Brussels ...	*	*	*	*	*	30.20	+.10	43	42	+ 1	NE	3	b	#	b	#	54	34	-
	Cape Gris Nez ...	?	46	E	1	c	?	?	44	42	+ 4	E	1	m	0	c	#	54	36	-
	Paris	30.05	53	NE	2	b	30.15	+.11	39	38	0	N	3	b	#	b	#	57	36	-
	Brest	30.19	48	NNE	2	b	30.25	+.20	43	40	+ 1	N	1	b	1	b	#	52	37	-
	Lorient	30.11	52	NNE	5	b	30.21	+.18	43	41	0	NNE	2	b	2	b	#	61	41	-
France &	Rochefort ...	30.07	57	NNE	3	c	30.14	+.11	45	43	- 2	NE	3	b	#	o,c	#	59	41	-
	Belfort	29.95	50	E	2	r	29.95	-.02	42	41	- 3	W	1	r	#	r	#	59	41	0.32
	Lyons	29.91	50	ESE	1	r	29.90	-.03	42	42	- 2	N	5	r	#	r	#	54	42	0.71
	Nice	29.79	56	ENE	4	r	29.76	-.19	51	50	+ 1	E	2	b	4	r	#	59	50	0.47
	Perpignan ...	29.87	51	NW	4	r	30.09	+.20	48	45	- 8	NW	6	r	#	r	#	58	46	0.30
	Biarritz ...	30.02	52	NNW	4	r	30.14	+.23	53	48	+ 3	NNW	3	bc	4	r	#	52	43	0.79
Peninsula.	Corunna ...																#			
	Lisbon														#		#			
	Azores (P. Delgada)																#			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 11.5 hrs;

WEATHER CHARTS

FOR Wednesday, 19th April, 1899.

BAROMETER, WIND AND SEA.

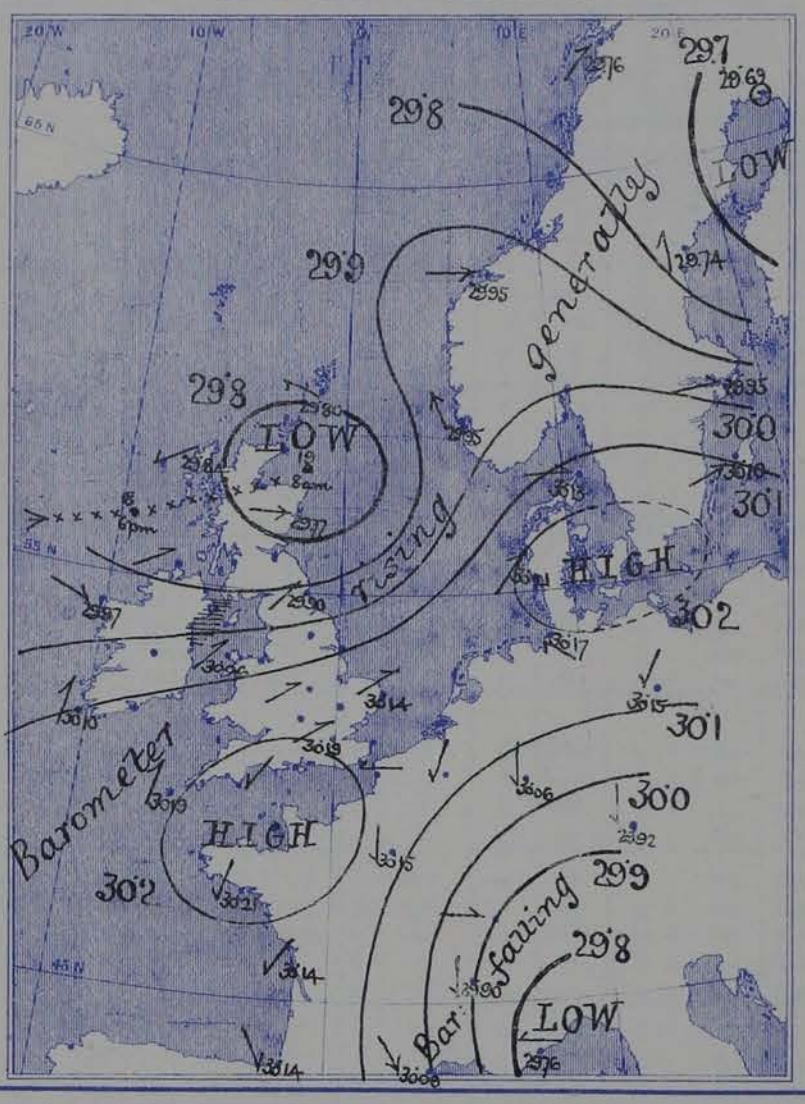
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▤



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67	1885	30	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·935	44·1	41·8	55·7	37·7	81	1893	23	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69	1893	29	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·4	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards over the south of England and the north of France and also over Denmark.
Lowest, 29·7 in: and less, in the north of Scotland; 29·8 in: and less in two depressions, one lying off the northeast of Scotland and the other over the southeast of France.
Gradients moderate over the North Sea and also over the east and south of France, slight elsewhere.
Barometer rising generally, but falling a little over South Germany and the southeastern parts of France

TEMPERATURE

Highest, 53° at Biarritz, 51° at Scilly and Nice, 50° at Liverpool and Jersey, and 49° at Shields, Holyhead, Valencia (Ireland) and Pembroke.
Lowest, (1) 28° at Haparanda, 33° at Christiansund, and 34° at Hernösand, Bodö and Sumburgh Head; (2) 39° at Nairn, and 42° at Belfast and Lyons.
Frost was again experienced last night in many parts of Great Britain, the lowest temperatures reported being:—(1) In the screen 30° at Sumburgh Head, 31° at Cambridge, and 32° in London and at Nairn; (2) On the grass 26° in London and at Loughborough and 28° at Oxford.

WIND

Light to fresh from the W.ly or SW.ly over northwestern Europe generally, but E.ly or NE.ly in the north of Scotland.
N.ly or NE. over France and Germany; strong from the NW. at Perpignan.

WEATHER

Fine over England, the south of Ireland, and the western part of the Continent generally.
Dull over Scotland and the north of Ireland, with rain in several places and sleet at Wick and Nairn; rain is also falling in the east and south of France.
Since yesterday morning rain has fallen in all the regions just mentioned, the largest amounts reported being (1) 0·7 in: at Nairn and 0·6 in: at Malin Head; and (2) 0·8 in: at Biarritz and 0·7 in: at Belfast.

SEA

Moderate or slight generally, but rather rough at Donaghadee.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is likely to travel away to the northeastward. Fresh disturbances may possibly appear shortly off our western coasts, but over the greater part of England the weather will probably remain fair for the present with a rising temperature.

FORECASTS

For the 24 hours ending at NOON on 20TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE.ly to N.ly or NW.ly winds, moderate; changeable, some cold showers.
1	SCOTLAND EAST	W.ly winds, moderate; changeable showery.
2	ENGLAND N.E.	SW.ly to W.ly winds, moderate; fair at first, some showers later.
3	ENGLAND EAST	SW.ly winds, light; fine generally, warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No 1.
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	S.ly and SW.ly winds, moderate; fair generally.
9	IRELAND NORTH	W.ly to SW.ly or S.ly winds; unsettled, 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·97	44	38	NW	6	r	3
Sumburgh Head	29·95	36	33	S	1	csp	3
Stornoway	29·91	45	40	SSE	3	bc	3
Aberdeen	29·99	41	36	SSE	3	bc	3
Shields	30·02	46	39	SW	2	c	3
Ardrossan							
Malin Head ...	29·82	45	45	SSW	4	r	2
Belmullet	29·91	49	46	WSW	6	o	*
Holyhead	30·07	49	43	SW	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·07	51	47	SW	4	op	5
Scilly	30·13	54	50	NNW	1	b	0
Jersey	30·10	51	45	NW	4	bc	3
Hurst Castle ...	30·09	53	47	SW	2	bc	1
Dungeness ...	30·07	51	47	SSW	1	b	1
North Foreland							
London (Westminster)	30·07	52	48	NNW	1	bc	
Yarmouth ...	30·05	47	44	NNE	3	bc	3
Rochefort ...	30·03	54	51	NNE	4	o	*

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

Weather in morning fine over the greater part of our Islands and the Continent, but showery at one or two of our southwestern and southern stations; snow and hail reported at Nairn. Dull in many part of France, Italy and Austria, with rain at Bilbao, Biarritz, Perpignan, and Trieste; snow falling at Helsingfors and St Petersburg and also at Hernösand. Rain falling later over the whole of Ireland and Scotland as well as in South Germany, and the south and east of France; solar halo seen at Stornoway, and lunar halo at Spurn Head.

Temperature changed very irregularly. Morning readings highest 74° at Athens, 73° at La Calle, 70° at Bahras and 69° at Palermo, above 55° at most of the Mediterranean, Adriatic, and Spanish coast stations. Lowest 22° at Archangel, 27° at Haparanda, and 28° at Ulearborg and Mosjoen; lowest in our Islands 34° at Nairn. Rising during day to between 50° and 55° at most of our more central and southern stations; Exceeding 55° in the west and south of France and reaching 61° at Lorient. Frost occurring over Great Britain at night.

Wind light to fresh from the SW^{ly} in Ireland, light from the W^{ly} or NW^{ly} over the northern and eastern part of Great Britain, strong from the same quarters on the eastern shores of the North Sea; SW^{ly} over the Baltic and south of Sweden, E. or NE. over the northern part of Russia and Scandinavia. Light from the Nth or NE^{ly} over the Channel, France and Italy; NW. or W. over the Spanish Peninsula; variable in Germany and Austria. Subsequently backing to the Sth or SE. in Scotland; no important change occurring elsewhere.

Barometer highest 30·2 in: and upwards over Turkey and the south of Russia, 30·0 in: and upwards in an anticyclone covering the whole of eastern and central Europe, and extending over England and the east and south of Ireland. Lowest 29·6 in: and less, in a large depression over Scandinavia; 29·7 in: and less, in another disturbance over Central Russia, 29·8 in: and less, in a third system off the Algerian coast. New depression appearing later off our most extreme northwest coast, and barometer falling at our northern stations generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 20th April, 1899.

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.		Temperature.			Wind.						Temp.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.78	28	W	0	b	29.78	+.04	25	24	- 3	S	2	c	#	b	#	36	21	0.04
	Hernösand ...	29.92	31	W	0	b	29.66	-.08	32	31	- 2	NE	4	s	#	b	#	43	30	0.28
	Stockholm ...	30.02	39	SSW	2	c	29.80	-.15	46	40	+ 8	SW	6	c	#	c	#	48	34	-
	Wisby	30.14	39	SW	4	b	30.00	-.10	42	37	+ 6	WSW	6	bc	#	b	#	46	32	-
	Karlstad ...	29.86	39	WSW	8	r	29.91	-.11	34	31	- 1	NW	4	b	#	r	#	#	#	0.08
	Bodö	29.78	32	NNW	4	bc	29.77	+.01	29	26	- 5	SW	4	be	3	bc	#	36	27	-
	Christianstnd ...	29.87	35	WSW	2	b	29.88	-.07	32	30	- 1	WSW	8	s	5	b	#	37	30	0.08
	Skudesnaes ...	29.85	37	NNW	6	b	30.06	+.11	36	35	0	NNW	2	c	2	0.b	#	43	32	#
	Færder (Christiania Fjord)	29.75	41	SSW	6	m	29.99	-.07	35	30	- 1	WNW	4	b	4	m	#	41	34	0.32
	Skagen (The Scaw)	29.91	44	WSW	6	o	30.05	-.08	39	34	- 1	N	4	b	1	o	#	48	37	-
	Fanö	30.10	44	SW	4	b	30.09	-.12	43	41	+ 2	W	0	c	#	b	#	50	41	-
	Sumburgh Head	29.96	39	S	1	ops	30.06	+.26	31	31	- 3	N	1	S	4	c.o	#	42	28	0.22
	Stornoway ...	29.98	44	NE	3	c	30.09	+.25	39	36	+ 2	NE	4	bc	4	r s p.c	5.5	45	33	0.03
	Wick	30.02	39	NE	2	bc	30.08	+.29	38	37	- 3	NW	1	bc	2	bc	#	45	27	0.03
	Nairn	30.00	41	N	1	r	30.09	+.30	39	37	+ 1	W	0	o	0	r	#	48	33	0.26
	Aberdeen ...	29.99	41	E	4	cq	30.08	+.31	39	37	- 2	N	2	oq	2	c.q.r	1.6	46	35	0.08
	Leith	29.97	46	E	1	r	30.05	+.22	40	39	- 4	NE	1	r	#	r	#	50	38	0.15
	Shields	30.00	50	SW	3	c	30.03	+.13	42	42	- 7	N	1	o	2	p.c.r	#	56	40	0.03
	Spurn Head ...	30.05	50	W	4	b	30.06	-.01	46	44	+ 1	WSW	2	c	3	b	#	57	40	-
	York	30.07	54	W	3	bc	30.07	+.01	45	43	- 3	SSW	1	o	#	bc	?	56	41	-
	Loughborough ...	30.11	55	W	2	c	30.11	-.03	44	41	0	NNW	1	omw	#	bc.c.m	#	59	37	-
British Isles.	Ardrossan ...																#			
	Malin Head ...	29.97	44	WNW	3	op	30.03	+.17	42	42	- 1	E	1	oq	2	r.op	#	45	41	0.18
	Belmullet ...	30.07	47	W	3	c	29.99	+.02	46	43	- 2	ESE	2	o	#	c	#	50	42	0.63
	Donaghadee ...	30.01	48	WNW	2	ogp	30.04	+.12	45	45	- 1	SSW	2	oq	1	ogp	#	54	44	0.09
	Liverpool (Bidston)	30.08	51	WSW	4	b	30.10	+.02	48	44	- 2	W	0	o	1	b	#	55	45	-
	Holyhead ...	30.08	48	SW	4	bc	30.07	+.01	47	45	- 2	SW	2	om	1	cmp, bc	#	51	45	-
	Parsonstown ...	30.06	52	W	1	c	30.04	-.01	46	44	0	S	1	o	#	c	9.0	55	41	-
	Valencia ...	30.09	52	SSW	3	cv	29.98	-.12	49	47	0	S	3	r	9	cv	6.6	54	45	0.15
	Roche's Point ..	30.12	51	SW	4	bc	30.05	-.08	49	48	+ 1	SSW	4	op	4	bc	#	54	45	0.15
	Pembroke (St. Ann's Hd.)	30.15	49	W	4	b	30.08	-.07	48	45	- 1	SW	3	o	3	b	12.5	51	45	-
	Scilly	30.19	51	SSW	1	bc	30.08	-.11	50	47	- 1	SSE	1	c	0	bc	5.8	50	46	-
	Prawle Point ...	30.18	47	W	3	b	30.13	-.09	46	44	- 1	SE	1	c	1	b	#	54	36	-
	Jersey (St. Aubin's)	30.19	51	NNW	3	bm	30.16	-.06	50	46	0	ESE	2	omw	2	bc.bm	#	57	35	-
	Hurst Castle ...	30.17	50	WSW	3	b	30.15	-.06	46	43	- 1	W	0	cm	0	b	#	54	36	-
	Dungeness ...	30.13	49	WSW	3	b	30.12	-.07	47	45	0	NNW	1	c	0	b	#	53	35	-
	North Foreland																#			
	London (Brixton) ...	30.12	57	NNW	1	b	30.15	-.04	47	40	+ 3	NNW	1	b	#	bc.bw	10.5	63	35	-
	Oxford	30.16	47	WSW	3	b	30.14	-.06	45	42	+ 2	S	1	o	#	b	#	57	36	-
	Cambridge ...	30.12	56	NW	1	b	30.13	-.06	47	44	+ 2	SW	1	o	#	b	12.3	61	33	-
	Yarmouth ...	30.09	50	SSE	3	bc	30.08	-.06	50	46	+ 3	W	2	bc	2	bc	#	55	39	-
Germany & Holland.	Cuxhaven ...	30.13	46	N	1	b	30.10	-.07	42	38	0	SSW	2	b	#	b	#	50	36	-
	Berlin	30.12	50	NE	2	c	30.05	-.10	48	44	+ 3	NE	1	c	#	c	#	55	45	-
	Wiesbaden ...	#	#	#	#	#	29.99	-.07	49	44	+ 1	NE	2	c	#	#	#	57	43	-
	Munich	29.92	48	NW	2	r	29.86	-.06	44	44	- 4	NW	3	r	#	r	#	54	43	0.35
	The Helder ...	30.13	45	SW	1	b	30.09	-.08	49	47	+ 2	W	0	b	0	b	#	50	34	-
Belgium.	Brussels ...	#	#	#	#	#	30.14	-.06	48	41	+ 5	N	2	b	#	b	#	55	32	-
	Cape Gris Nez ...	30.13	48	W	1	m	30.10	?	47	45	+ 3	SW	1	m	0	m	#	54	39	-
	Paris	30.12	52	N	4	b	30.14	-.01	41	37	+ 2	N	2	b	#	b	#	57	34	-
	Brest	30.16	51	NNE	2	bc	30.09	-.16	47	44	+ 4	SE	3	o	2	bc	#	55	39	-
	Lorient	30.16	51	W	3	b	30.13	-.08	45	43	+ 2	ESE	3	c	1	b	#	61	43	-
France &	Rochefort ...	30.12	54	NW	4	bc	30.08	-.06	46	44	+ 1	E	3	b	#	bc	#	59	43	-
	Belfort	29.94	44	W	0	r	29.95	.00	42	42	0	W	0	r	#	r	#	57	42	0.75
	Lyons	29.96	45	NNW	3	r	30.02	+.12	44	42	+ 2	NW	4	o	#	r	#	45	42	1.02
	Nice	29.89	48	SW	1	r	29.87	+.11	48	46	- 3	E	1	c	2	r	#	55	43	0.47
	Perpignan ...	30.02	54	NW	4	o	30.06	-.03	53	46	+ 5	NW	3	b	#	o	#	54	45	-
	Biarritz ...	30.15	55	N	3	b	30.05	-.09	45	43	- 8	E	3	b	2	b.	#	57	41	-
Penin-sula.	Corunna ...																#			
	Lisbon	30.11	57	WSW	3	o	30.09	-.06	61	57	+ 8	WNW	3	o	#	o	#	63	53	0.16
	Azores (P. Delgada)	30.04	62	SW	4	o	30.06	+.15	62	61	+ 2	SSW	4	o	3	o	#	68	60	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

NOTE. *The Sunshine for London given in this Table is now recorded on the tower of the Westminster Training College, Westminster.*

Bright Sunshine yesterday Southport 11.1 hrs;

WEATHER CHARTS

FOR Thursday, 20th April, 1899.

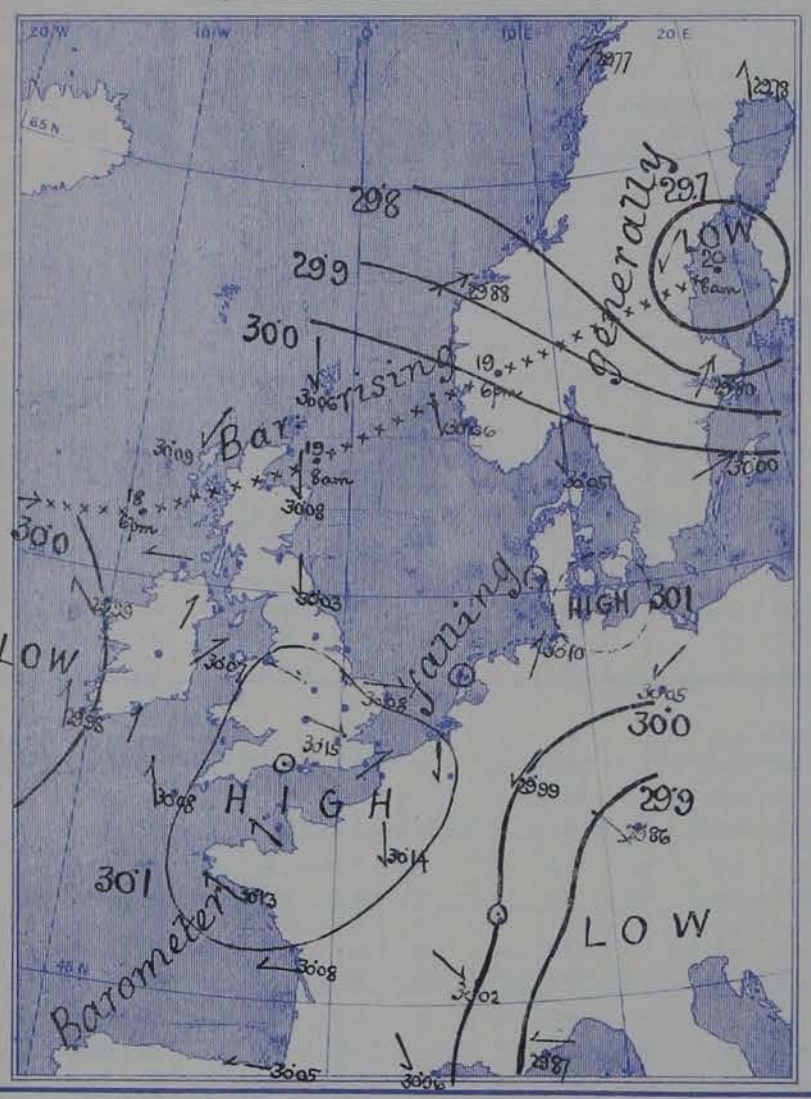
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⇉ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ↠ ; *Force 1 to 4* → ; Calm ⊙

SEA—Rough ▤ ; *High* ▨


20 W
10 W
0
10 E
20 E
65 N
55 N
45 N
LOW
HIGH
HIGH 301
LOW
Barometer
Rising
Rising
Bar
Generally
LOW
298
299
300
301
29·7
29·8
29·9
30·0
30·1
30·0
30·0
29·9
29·8
29·7
30·0
30·0
30·0

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·1 in: and upwards in an anticyclone lying over England and the north of France.
Lowest, 29·7 in: and less, in a depression over the southern part of the Gulf of Bothnia; 29·9 in: and less over South Germany and the southeast of France.
Gradient slight generally, but rather steep over the northern part of the Baltic.
Barometer rising in Norway and the northern part of our Islands, falling slightly in most other regions.

TEMPERATURE

Highest, (1) 61° at Lisbon and 53° at Perpignan, (2) 50° at Scilly, Jersey and Yarmouth.
Lowest, 25° at Haparanda, 29° at Bodö, 31° at Sumburgh Head, 32° at Hernösand and Christiansund and 34° at Sandwick.
Slight ground frost occurred last night over the inland part of England, the exposed thermometer falling to 29° in London and to 30° at Loughborough and Oxford.

WIND

Light from the E.N.E. in the west of France, and from the SE. by E. or S.E. on our more western coasts.
N. or NE. in Scotland; W. in the east of England; variable over our southeastern counties.
N.N.W. (NW to NE) over Germany and central France; W.N.W. (SW to NW) in Scandinavia, with a gale at Christiansund.

WEATHER

Cloudy or dull over the United Kingdom as a whole, with rain in the south of Ireland and at Leith, and snow at Sumburgh Head.
Fine in the extreme southeast of England and the north of Scotland, as well as at most of the continental stations; rain is however, falling at Belfort and Munich and snow at Hernösand and Christiansund.
Rain fell yesterday at most of the Irish and Scotch stations, as well as in the southern parts of France and Germany. Solar halo have been seen this morning at Oxford and Jersey.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the south is apparently breaking up, but a new high pressure system is forming off the north of Scotland. The general distribution is becoming rather complex, and less settled weather is probable over England.

FORECASTS

For the 24 hours ending at NOON on 21st APRIL 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. winds, light or moderate; changeable, some cold showers.	6 SCOTLAND WEST	NE. winds, light; changeable, some cold showers.
1 SCOTLAND EAST		7 ENGLAND N.W.	S. and SE. winds, light or moderate; cloudy, some rain.
2 ENGLAND N.E.	Light variable airs; cloudy, some rain.	8 ENGLAND S.W.	
3 ENGLAND EAST	Light breezes, chiefly S.; fair at first, cloudy later, with some rain.	9 IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.72	43	41	SW	4	0	4
Sumburgh Head	29.88	38	37	NNE	3	C	4
Stornoway ...	29.96	41	39	NE	4	T	4
Aberdeen	29.92	45	40	N	3	C	3
Shields	29.95	55	48	SW	3	C	2
Ardrossan							
Malin Head ...	29.94	44	44	WSW	3	T	2
Belmullet	30.01	48	47	W	4	0	*
Holyhead	30.10	50	47	SW	4	empa	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.11	53	48	S	3	cv	4
Scilly	30.20	53	47	SSW	2	bc	0
Jersey	30.21	54	48	WNW	3	bc	3
Hurst Castle ...	30.19	53	48	SW	3	b	2
Dungeness ...	30.17	52	49	SW	2	b	1
North Foreland							
London (Westminster)	30.15	60	48	WSW	2	b	
Yarmouth ...	30.12	54	48	WSW	2	b	*
Rochefort ...	30.16	55	53	NW	4	bc	*

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

Weather in morning fine over England, the south of Ireland, and the western part of the Continent generally, dull in Scotland and the north of Ireland, with rain at Leith and Belmullet, and sleet at Wick and Nairn. Dull over Italy, South Germany, and the east and south of France, with rain in several places; rain falling also at Hernösand, and snow at Kuopio and Helsingfors. Heavy rain occurring during day in the east and south of France, and smaller amounts in Ireland and Scotland.

Temperature risen in most places. Morning readings highest, 71° at Athens and Patras, 67° at Smyrna and Naples, and 64° at Palermo and Algiers; above 55° at most of the Mediterranean and Adriatic stations. Lowest 22° at Archangel, 28° at Haparanda, and 33° at Kuopio and Christiansund. Below 40° over northern Europe generally and also in the north of Scotland. Rising during day to between 55° and 60° at most of the English and French stations, and to 63° in London as well as at Lisbon.

Wind W. or SW. over northwestern and northern Europe generally; light or moderate in force in most places, but strong at some of the Scandinavian stations. E. or NE. in the extreme north of Scotland. Light from the N. or NE. over Germany and the greater part of France, but strong from the NW. in the extreme south of France; variable over Austria, Italy, and the Spanish Peninsula. No important change occurring during day.

Barometer highest 30·3 in: and upwards over the south of Russia; 30·2 in: and upwards over Denmark and North Germany, and also over the south of England and the north of France. Lowest 29·7 in: and less in a depression over Lapland; 29·8 in: and less in two other disturbances – one lying off the northeast of Scotland and the other over the Gulf of Genoa. Scotch depression subsequently travelling eastwards to the south of Norway, and barometer rising rather decidedly in our own 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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. 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 Friday, 21st April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.67	27	N	2	b	29.67	-.11	22	21	- 3	NE	0	b	s	b	*	34	21	-
	Hernösand ...	29.89	31	NE	0	b	29.67	+.01	30	27	- 2	NE	0	b	*	b	*	43	28	0.12
	Stockholm ...	29.96	39	NNW	2	b	29.85	+.05	42	35	- 4	NNW	2	b	*	b	*	46	37	-
	Wisby	30.00	39	NNW	4	b	29.90	-.10	41	35	- 1	SSW	4	o	*	b	*	45	32	-
	Karlstad ..	29.95	38	W	2	b	29.81	-.10	36	33	+ 2	S	2	b	*	b	*	*	*	-
	Bodö	29.71	33	NE	0	b	29.60	-.17	30	26	+ 1	ENE	4	b	1	b	*	39	27	0.08
	Christiansund ...	29.80	33	NW	6	bc	29.50	-.38	26	24	- 6	NW	9	S	6	bc	*	33	25	-
	Skudesnaes ...	30.04	38	S	4	c	29.79	-.27	37	35	+ 1	WSW	8	ots	3	bc.c	*	41	32	*
	Færder (Christiania Fjord)	29.95	40	SW	4	o	29.80	-.19	37	35	+ 2	W	4	c	2	b	*	41	34	-
	Skagen (The Scaw)	30.02	38	W	1	o	29.89	-.16	39	34	0	NW	2	b	0	o	*	46	34	-
	Fanö	30.01	44	W	1	o	29.99	-.10	40	39	- 3	N	1	b	*	o	*	54	37	-
British Islands.	Sumburgh Head	30.03	36	W	2	b	29.87	-.19	29	27	- 2	NW	4	S	5	bc.b	*	37	21	0.04
	Stornoway ...	30.12	42	NNE	3	b	29.98	-.11	40	39	+ 1	ENE	4	o	4	sp,b	9.7	45	30	0.80
	Wick	30.08	34	NW	2	bc	29.95	-.13	35	33	- 3	NW	3	o	2	s,bc	*	42	30	0.12
	Nairn	30.10	41	E	2	o	29.97	-.12	38	36	- 1	W	2	c	1	o	*	46	29	-
	Aberdeen ...	30.08	40	NE	4	c qhp	29.95	-.13	42	37	+ 3	NW	8	c	2	pbc.qhp	8.9	42	33	0.03
	Leith	30.06	44	E	3	bc	29.99	-.06	41	38	+ 1	SW	1	bcm	*	bc	*	46	30	0.01
	Shields	30.05	41	N	3	p	29.99	-.04	45	42	+ 3	ENE	2	c	2	p	*	45	38	0.21
	Spurn Head ...	30.01	45	NNE	4	o	29.96	-.10	44	43	- 2	NE	3	op	3	o	*	52	42	0.01
	York	30.03	50	W	1	r	29.99	-.08	43	41	- 2	NE	1	bc	*	c.or	?	55	40	0.07
	Loughborough ...	30.03	53	SW	2	o	29.96	-.15	44	43	0	ENE	2	ogm	*	c.omag	*	56	42	0.02
	Ardrossan ...																*			
	Malin Head ...	30.05	44	NE	4	bc	30.07	+.04	43	41	+ 1	N	4	b	2	bc	*	46	40	-
	Belmullet ...	29.99	44	ENE	6	op	30.11	+.12	45	40	- 1	NE	4	bc	*	r.op	*	48	40	0.25
	Donaghadee ...	30.04	45	N	3	op	30.02	-.02	44	42	- 1	N	4	bm	5	op	*	48	43	0.03
	Liverpool (Bidston)	30.05	46	W	0	o	29.96	-.14	45	42	- 3	E	2	o	?	or	*	50	42	0.01
	Holyhead ...	30.04	47	SW	2	ogm	29.95	-.12	46	44	- 1	ENE	8	c	2	oogm	*	51	43	-
	Parsonstown ..	29.98	47	SE	1	f	29.99	-.05	45	43	- 1	NE	1	o	*	or	0.0	50	41	0.18
	Valencia ...	29.89	49	SE	4	rm	29.98	00	47	44	- 2	NNE	6	cq	4	rm	0.0	50	41	1.57
	Roche's Point ..	29.96	49	S	5	r	29.90	-.15	46	45	- 3	NE	5	c	4	r.rq	*	53	42	1.10
	Pembroke (St. Ann's Hd.)	30.01	48	SE	1	o	29.83	-.25	41	40	- 7	E	5	qr	3	o	0.0	50	40	0.10
	Scilly	29.98	54	SSE	3	o	29.74	-.34	49	49	- 1	WNW	4	r	1	o	0.4	56	46	0.22
	Prawle Point ...	30.05	49	S	2	c	29.76	-.37	49	49	+ 3	SSW	4	r	3	c,r	*	52	45	0.48
	Jersey (St. Aubin's)	30.07	54	E	3	cgm	29.88	-.28	52	50	+ 2	SSE	3	ogm	3	bc.gm	*	57	48	0.01
	Hurst Castle ...	30.08	50	SSW	1	o	29.87	-.28	46	45	0	E	3	rm	2	c,o	*	55	45	0.23
	Dungeness ...	30.05	50	WSW	3	c	29.95	-.17	44	43	- 3	ENE	3	r	2	bc,e	*	57	43	0.07
	North Foreland																*			
	London (Brixton) ...	30.06	55	NNW	1	o	29.96	-.19	44	42	- 3	SE	2	or	*	bc.og	3.0	62	43	0.08
	Oxford	30.06	50	NNW	1	o	29.94	-.20	42	41	- 3	ESE	3	r	*	o.r	*	55	42	0.11
	Cambridge ...	30.05	53	W	1	o	29.96	-.17	46	45	- 1	S	0	o	*	bc.o	5.6	60	42	-
	Yarmouth ...	30.09	1.0	NNE	2	c	29.94	-.14	46	45	- 4	NNE	2	c	3	b,c	*	57	44	0.04
Germany & Holland.	Cuxhaven ...	30.02	48	NW	1	bc	29.89	-.21	46	44	+ 4	S	0	o	*	bc	*	52	41	-
	Berlin	29.99	52	NE	4	c	29.98	-.07	45	41	- 3	W	2	c	*	c	*	59	39	-
	Wiesbaden ...	*	*	*	*	*	30.02	+.03	44	41	- 5	NE	1	o	*	*	*	59	39	-
	Munich... ..	30.00	41	W	6	r	30.09	+.23	43	42	- 1	W	4	bc	*	r	*	50	37	1.14
	The Helder ...	30.04	49	S	0	m	29.96	-.13	45	44	- 4	S	0	o	o	m	*	54	41	0.04
Belgium.	Brussels ...	*	*	*	*	*	30.01	-.13	45	44	- 3	N	1	r	*		*	59	42	-
	Cape Gris Nez...	?	50	NW	1	m	29.95	-.15	47	45	0	S	1	r	o	m	*	57	45	-
	Paris	30.09	57	NNW	2	b	30.01	-.13	45	41	+ 4	S	2	m	*	b	*	61	46	-
	Brest	30.07	52	SSW	2	o	29.88	-.21	51	50	+ 4	WSW	4	c	2	o	*	57	45	-
	Lorient... ...	30.09	54	SW	2	c	29.94	-.19	52	52	+ 7	SW	5	r	4	c	*	61	45	0.04
France &	Rochefort ...	30.08	55	NW	3	bc	30.02	-.06	51	48	+ 5	SSW	3	b	*	b.bc	*	66	46	-
	Belfort	30.04	46	ENE	1	bc	30.03	+.08	46	45	+ 4	W	1	m	*	bc	*	50	?	0.16
	Lyons	30.07	51	E	1	bc	30.07	+.05	45	45	+ 1	ESE	1	b	*	bc/	*	58	39	-
	Nice	29.93	50	SW	2	c	29.98	+.11	50	48	+ 2	E	2	b	2	c	*	61	45	-
	Perpignan ...	30.01	63	NW	1	b	30.03	-.03	53	46	0	W	2	b	*	b	*	70	41	-
	Biarritz ...	30.02	57	NNE	4	b	30.04	-.01	53	49	+ 8	SSW	2	b	2	b	*	63	45	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.19	58	NNW	4	b	30.22	+.13	59	54	- 2	NNE	4	b	*	b	*	66	55	-
	Azores (P. Delgada)	30.12	62	SSE	3	o	30.08	+.02	62	61	0	S	5	o	5	o	*	68	61	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.3 hrs;

WEATHER CHARTS

FOR Friday, 21st April, 1899.

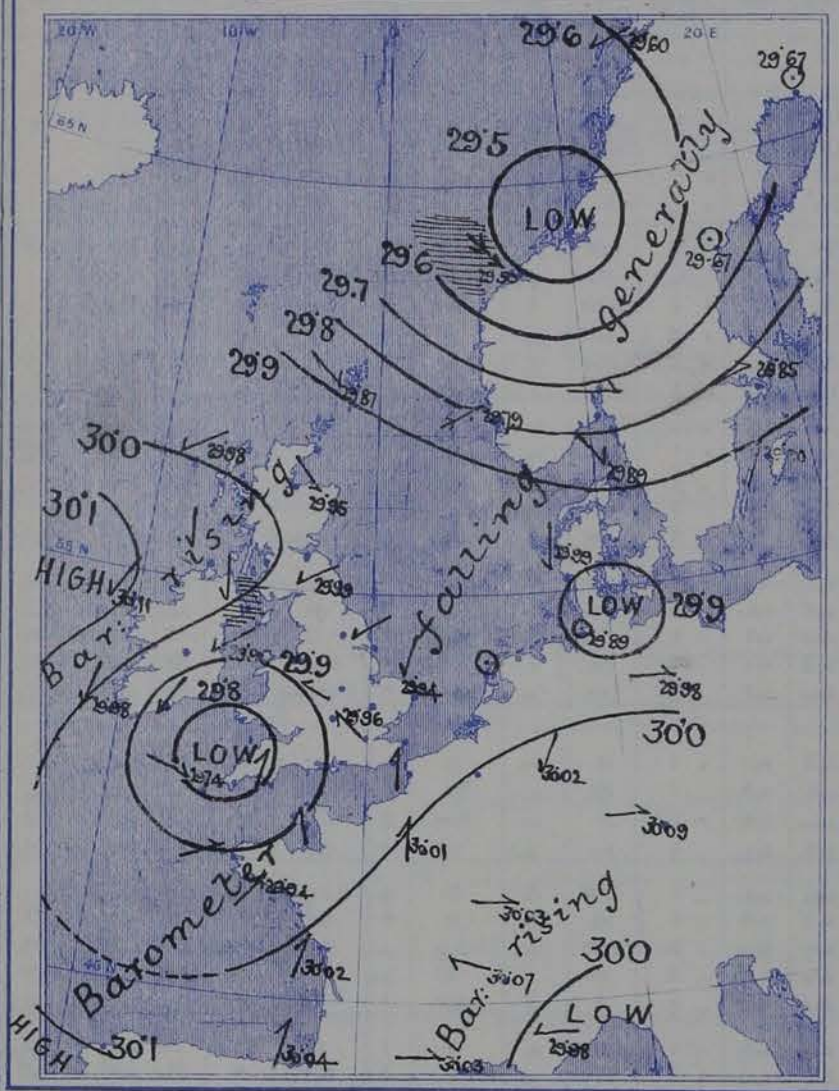
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—Rough ; High

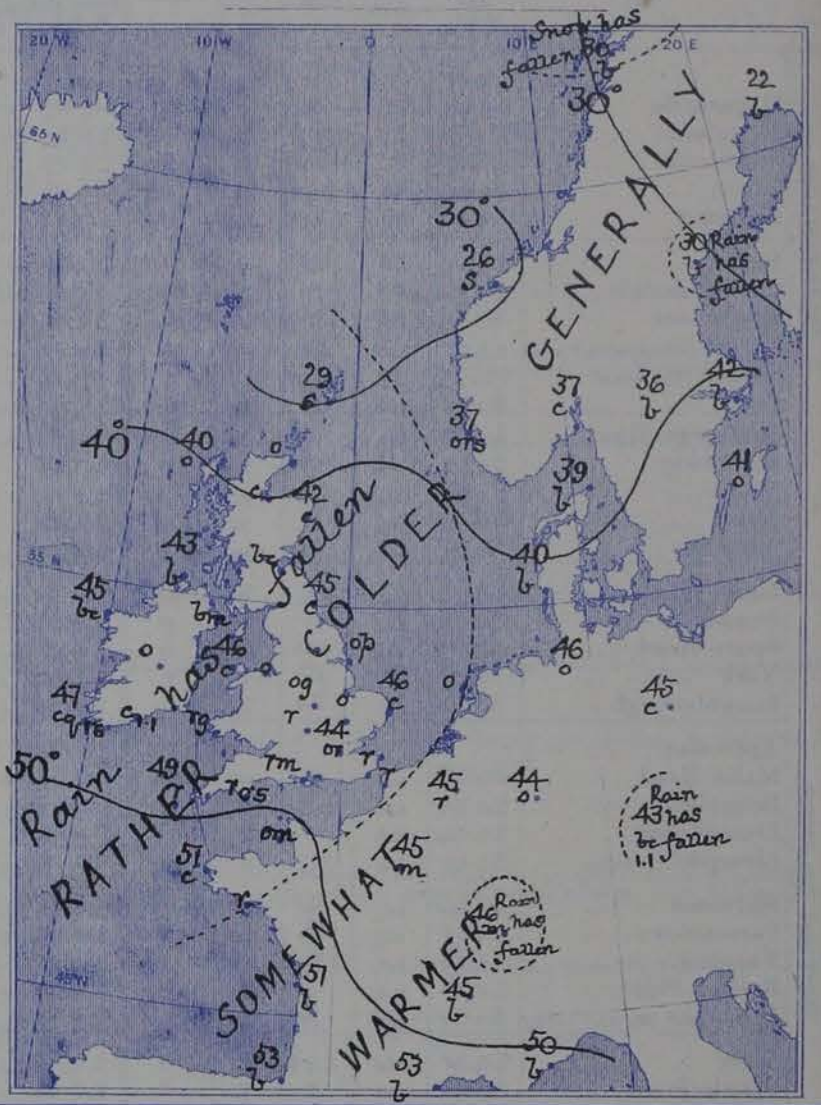


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67	1885	30	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81	1893	23	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7		—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7		—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69	1893	29	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in Portugal, 30·1 in: and upwards over the extreme west of Ireland.
Lowest, 29·5 in: and less, in a depression over the west of Norway; 29·8 in: and less, in another disturbance with its centre near Falmouth.
Gradients slight generally, but moderate over the southwest of our Islands and also over the Central parts of Scandinavia.
Barometer falling over Western Europe as a whole, but rising in Ireland, as well as in the extreme north of Scotland.

TEMPERATURE

Highest, 54° at Lisbon, 53° at Biarritz and Perpignan, 52° at Jersey and Lorient, and 51° at Brest and Rochefort.
Lowest, 22° at Haparanda, 26° at Christiansund, 29° at Lerwick Head, and 30° at Bodø and Christiansund.
During yesterday, the thermometer rose to 55° and upwards in most parts of England, to 60° at Cambridge and to 62° in London.

WIND

Light from the E^ud or NE^ud over the greater part of England; moderate to strong from the NE^ud or N^ud in Ireland; S^d or SW^d over France.
Light to moderate from the NW^d in the northeast of Scotland; strong to a gale from the same quarter or from W. in the west of Norway; S^d or SW^d in the south of Sweden; calm in Gulf of Bothnia.

WEATHER

Cloudy and unsettled over northwestern Europe as a whole, with rain in the south of England and the north of France, snow at Lerwick Head and Christiansund, and sleet at Shetlandsoes.
Fine in the north of Ireland, as well as in Sweden and the southern parts of France and Germany.
Since yesterday morning rain has fallen in most parts of our Islands and their neighbourhood, the largest amounts being 1·6 in: at Valencia (Ireland) and 1·1 in: at Rochespoint. A heavy fall occurred also at Munich. A solar halo and parhelion were seen yesterday at Oxford and a lunar halo at Stornoway.

SEA

Moderate to smooth generally, but rough at Christiansund, and rather rough at Lerwick Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southwest seems likely to advance slowly in an Easterly direction. In its rear the wind over England will probably shift to the N^ud with cooler weather.

FORECASTS

For the 24 hours ending at NOON on 22ND APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^d to N^d winds, moderate; changeable, some cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE^d winds, moderate; unsettled, rain at times.
3	ENGLAND EAST	E^d to N^d winds, moderate or fresh; dull and rainy at first, improving later and becoming colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE^d winds, light; changeable, some cold showers.
7	ENGLAND N.W.	NE^d winds, moderate or fresh; cloudy, showery.
8	ENGLAND S.W.	Wind shifting to the N^d & increasing in force; rainy at first, improving later.
9	IRELAND NORTH	N^d and NE^d winds, fresh; changeable, showery.
10	IRELAND SOUTH	

WARNINGS

At 7·20 pm yesterday to district 10 "Hoist South Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	?	43	38	NW	2	bc	2
Sumburgh Head	30·08	86	33	NW	2	bc	4
Stornoway	30·13	45	41	E	4	b	4
Aberdeen	30·10	41	39	ENE	2	bc	2
Shields	30·03	43	43	NNE	1	p	2
Ardrossan							
Malin Head ...	30·06	45	44	NE	4	bc	3
Belmullet	30.00	46	45	NE	4	r	*
Holyhead	30·07	49	47	SW	3	0	2
Valencia	29·93	48	47	SSE	2	rm	4
Scilly	30·04	55	51	SSE	2	0	0
Jersey	30·14	55	49	SSW	3	bc	3
Hurst Castle ...	30·12	54	48	SW	1	c	1
Dungeness ...	30·10	55	53	SSW	3	bc	1
North Foreland							
London (Westminster)	30·08	60	50	SSW	2	c	*
Yarmouth ...	30·05	57	55	NE	2	b	2
Rochefort ...	30·10	64	57	NW	1	b	*

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

Continental Information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

for 8 a.m. on Saturday, 22nd April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.73	22	SE	2	bc	29.74	+.07	29	27	+7	NE	4	b	*	bc	*	30	12	-
	Hernösand ...	29.45	34	S	4	0	29.41	-.26	30	26	0	S	2	b	*	0	*	37	16	-
	Stockholm ...	29.61	37	Z	0	0	29.50	-.35	34	30	-8	WSW	2	b	*	0	*	48	30	-
	Wisby	29.66	37	SSW	4	b	29.61	-.29	33	28	-8	W	4	b	*	b	*	41	30	0.044
	Karlstad ...	29.62	29	SW	2	bc	29.53	-.28	27	26	-9	NW	2	c	*	bc.s	*	*	*	0.044
	Bodö	29.65	36	ENE	4	b	29.69	+.09	32	28	+2	E	4	bc	1	b	*	37	27	-
	Christiansund ...	29.36	28	N	8	s	29.70	+.20	37	34	+11	N	4	c	5	s	*	37	26	0.24
	Skudesnaes ...	29.78	36	NNW	9	0	29.90	+.11	36	34	-1	NW	7	c	4	c	*	37	28	*
	Færder (Christiania Fjord)	29.67	33	NNW	4	b	29.63	-.17	37	32	0	NW	6	c	3	b	*	41	32	-
	Skagen (The Scaw)	29.73	34	NNW	5	bc	29.69	-.20	39	32	0	NNW	6	b	2	bc	*	45	32	-
	Fanö	29.75	35	NE	4	c	29.96	-.03	41	40	+1	NNW	6	b	*	c	*	45	34	0.04
British Islands.	Sumburgh Head	29.88	35	NW	4	c	30.09	+.22	38	36	+9	N	2	bc	4	c sp. c	*	39	29	0.02
	Stornoway ...	30.10	38	NE	4	bc	30.16	+.18	38	35	-2	WNW	4	b	4	r sp. bc	4.8	40	29	0.03
	Wick	30.07	34	N	3	bc	30.14	+.19	39	38	+4	NW	3	bc	2	bc	*	39	27	-
	Nairn	30.10	36	ENE	3	c	30.20	+.23	36	35	-2	W	1	b	1	c r sp	*	41	28	0.02
	Aberdeen ...	30.08	35	N	4	cq	30.19	+.24	38	32	-4	WNW	2	b	1	p. cq	1.6	43	29	0.01
	Leith	30.05	40	E	3	0	30.21	+.22	40	35	-1	NE	1	cm	*	0	*	54	32	0.03
	Shields	30.03	40	NE	3	0	30.20	+.21	35	34	-10	WNW	2	o r s p	3	b, o	*	48	32	0.02
	Spurn Head ...	29.96	43	NE	4	b	30.21	+.25	40	37	-4	NNW	2	c	4	b	*	49	39	-
	York	29.97	47	ESE	1	b	30.22	+.23	38	36	-5	N	1	0	*	o. c. b	?	50	36	0.02
	Loughborough ...	29.95	46	NE	2	b	30.21	+.25	40	38	-4	E	2	o m	*	gm. b, o m	*	50	32	-
	Ardrossan ...																*			
	Malin Head ...	30.08	45	NNW	4	bcp	30.20	+.13	42	42	-1	SSW	3	bc	2	b. bcp	*	47	36	0.10
	Belmullet ...	30.07	48	N	4	b	30.24	+.13	47	44	+2	SSW	3	c	*	bc. b	*	49	35	0.04
	Donaghadee ...	30.04	48	N	5	b	30.22	+.20	43	40	-1	N	3	b	3	b	*	50	42	-
	Liverpool (Bidston)	29.97	47	NW	4	b	30.18	+.22	45	42	0	Z	0	b	?	o g. b	*	49	40	-
	Holyhead ...	30.01	46	N	3	b	30.21	+.26	46	42	0	NNW	3	bc	2	b	*	50	42	-
	Parsonstown ...	30.10	50	NW	1	c	30.26	+.27	37	37	-8	Z	0	qf	*	c.	7.5	52	30	-
	Valencia ...	30.15	50	N	4	bv	30.25	+.27	46	43	-1	Z	0	b m	2	c q. b v	9.4	51	34	-
	Roche's Point ...	30.09	52	N	4	b	30.27	+.31	45	43	-1	NE	1	b	2	b	*	55	39	-
	Pembroke (St. Ann's Hd.)	30.00	47	NE	5	bc	30.22	+.39	48	44	+7	E	3	b	2	o. bc	0.6	50	40	0.59
	Scilly	29.92	50	NNW	8	c	30.22	+.48	51	48	+2	NE	2	bc	1	c. o. c	4.9	54	46	0.02
	Prawle Point ...	29.85	43	NNE	4	c	30.23	+.47	46	43	-3	NE	3	b	2	r. c	*	52	38	0.19
	Jersey (St. Aubin's)	29.75	52	W	4	c	30.21	+.33	47	44	-5	N	3	c	3	r. c q	*	53	46	0.33
	Hurst Castle ...	29.82	46	NE	4	cm	30.22	+.35	45	42	-1	NE	1	b m	1	r m. c m	*	47	36	0.23
	Dungeness ...	29.83	46	ENE	3	0	30.15	+.20	48	43	+2	NNE	5	bc	4	r. o	*	47	44	0.40
	North Foreland																*			
	London (Brixton) ...	29.89	46	NE	3	o g m	30.21	+.25	41	38	-3	NE	1	c	*	o r. c	0.0	46	36	0.36
	Oxford	29.97	43	NNE	3	0	30.22	+.28	41	39	-1	SE	1	b	*	o r. b	*	47	34	0.14
	Cambridge ...	29.94	46	NNE	3	0	30.23	+.27	42	40	-4	N	1	0	*	0	0.0	50	29	-
	Yarmouth ...	29.90	44	NE	5	c	30.18	+.24	42	39	-4	NE	4	b c v	4	c	*	49	38	-
Germany & Holland.	Cuxhaven ...	29.84	45	NNW	2	c	30.01	+.12	40	36	-6	NW	4	bc	*	c	*	48	36	-
	Berlin	29.85	52	Z	0	0	29.91	-.07	39	36	-6	NW	5	c	*	0	*	59	39	0.04
	Wiesbaden ...	*	*	*	*	*	29.92	-.10	47	45	+3	NE	1	0	*	*	*	59	44	0.12
	Munich	29.93	48	E	3	c	29.88	-.21	47	46	+4	Z	0	r	*	c	*	57	43	0.04
	The Helder ...	29.91	43	NNE	3	b	30.11	+.15	41	35	-4	NNE	4	b	3	b	*	50	37	-
Belgium.	Brussels ...	*	*	*	*	*	30.10	+.09	40	38	-5	NE	4	c	*	0	*	49	37	0.12
	Cape Gris Nez ...	?	45	E	2	r	?	?	43	40	-4	E	5	c	5	r	*	54	39	0.51
	Paris	29.84	50	SSE	2	r	30.00	-.01	44	42	-1	NNE	5	o	*	r	*	59	43	0.35
	Brest	29.80	52	NW	3	0	30.21	+.33	43	41	-8	NE	1	b	2	0	*	54	39	-
	Lorient	29.82	52	WNW	5	c	30.16	+.22	47	45	-5	N	4	c	5	c	*	55	48	0.08
France &	Rochefort ...	29.95	55	WSW	5	0	30.[illegible]	-.02	51	48	0	NNW	4	0	*	0	*	59	46	0.04
	Belfort	29.87	54	W	3	0	29.84	-.19	47	46	+1	W	1	r	*	0	*	62	46	0.43
	Lyons	29.93	54	SE	1	0	29.97	-.10	51	45	+6	W	2	r	*	0	*	66	45	0.04
	Nice	29.96	54	S	1	0	29.88	-.10	55	52	+5	Z	0	c	2	0	*	63	48	-
	Perpignan ...	29.99	65	Z	0	b	30.01	-.[illegible]	57	50	+4	NW	5	b	*	b	*	74	53	-
	Biarritz ...	30.03	59	SW	4	0	30.12	+.08	55	50	+2	NW	5	0	4	0	*	61	50	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.24	56	N	3	b	30.21	-.01	58	[illegible]	-1	NNE	4	b	*	b	*	64	54	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 9.1 hrs;

WEATHER CHARTS

FOR Saturday, 22nd April, 1899.

BAROMETER, WIND AND SEA.

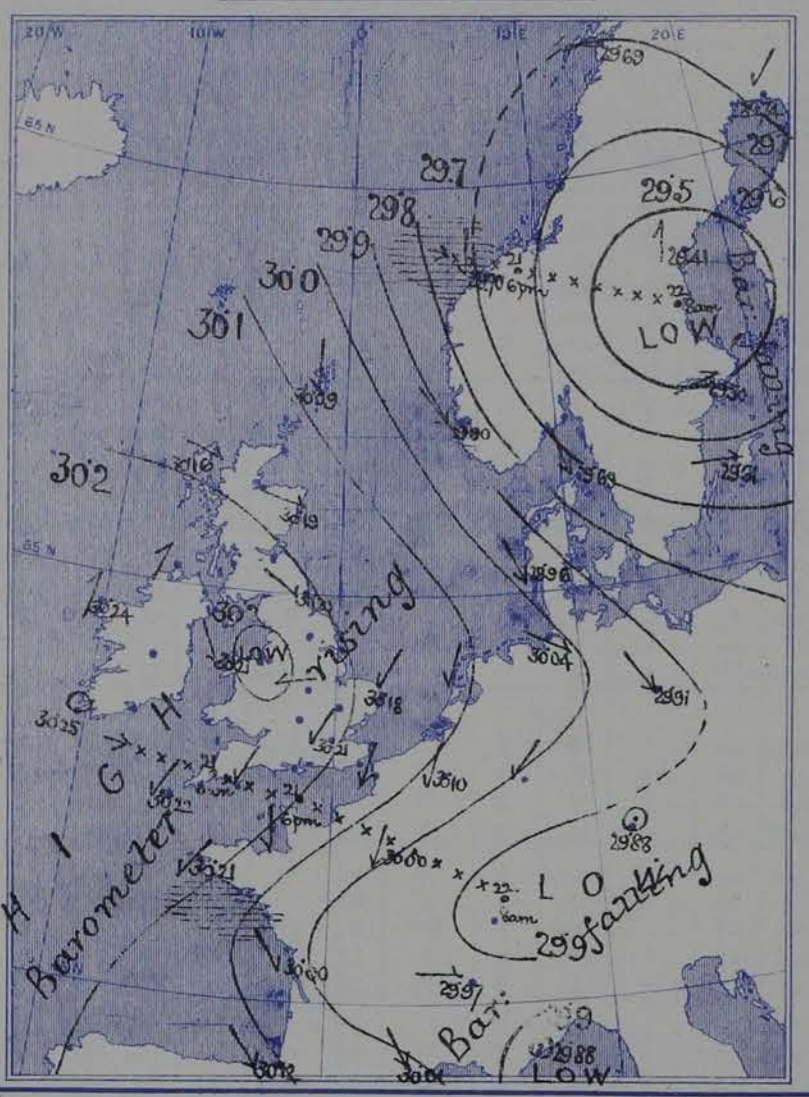
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ▤ ; *High* ▦



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF APRIL.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 3	41 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	51 · 9	38 · 2	73	1893	21	1892	2 · 04	155 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in an anticyclone lying over the whole of our Islands and the adjacent part of the North Sea.
Lowest, 29·5 in: and less, in a well marked depression over Sweden; 29·9 in: and less, in a shallow disturbance over Central France
Gradients slight generally, but moderate over the north of France, and also over Norway and Denmark.
Barometer rising in our Islands and the eastern parts of the Continent, but very slightly on our extreme northwest coasts.

TEMPERATURE

Highest, 57° at Perpignan, 55° at Nice and Biarritz, and 51° at Scilly, Rochefort, and Lyons.
Lowest, 27° at Hanstholm, 29° at Haparanda, 30° at Hernösand, and 32° at Bodö; lowest in our Islands 35° at Shields and 36° at Nairn.
Frost occurred last night in many parts of Great Britain, the lowest temperatures reported being (1) In the screen 23° at Nairn, 27° at Wick, and 29° at Turnberry Head, Stornoway, Aberdeen, and Cambridge; (2) On the grass 27° at Loughborough and 29° in London.

WIND

Light to moderate from the NW. direction over the northern parts of Great Britain, and strong from the same quarter on the eastern shores of the North Sea; W. in the south of Sweden; E. or NE. in the north of Scandinavia.
Light to moderate from the NE. direction in the south of our Islands, the Netherlands, and the north of France; NW. in the west and south of France.

WEATHER

Fine over northwestern Europe as a whole, but cloudy in the north and east of England, with sleet showers at Shields.
Dull over the greater part of France and South Germany, with rain at Belfort, Lyons, and Munich.
Rain fell yesterday over nearly the whole of Great Britain and the neighbouring parts of the Continent, the largest amounts reported being 0·6 in: at Pembroke and 0·5 in: at Cape Gris Nez.

SEA

Rather rough at Cape Gris Nez and Loriant, and also at Christiansund, moderate on our own north and east coasts, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday over the Channel has moved away to Central France and is now filling up. The anticyclone which has advanced over our Islands is apparently moving eastwards, and further low pressure systems are likely to appear shortly off our extreme west or northwest coasts.

FORECASTS

For the 24 hours ending at NOON on 23rd April, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind backing to the SW. or S.; fine at first, some rain later.	6 SCOTLAND WEST	Same as Nos 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	NW. to W. winds, light; fair generally.	8 ENGLAND S.W.	NE. to NW. winds, light; fine generally.
3 ENGLAND EAST	NE. to NW. winds, light; fair generally but perhaps local showers.	9 IRELAND NORTH	S. winds, light or moderate; fair at first, some rain later.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 3·40 pm yesterday to district 8 "Hoist North Cone". At 10·30 am today to district 8 "Lower Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	29.64	33	30	NNW	6	c	4	Valencia	30.11	50	45	N	5	bc	5
Sumburgh Head	29.89	34	32	NW	4	csp	6	Scilly	29.74	48	47	NNE	8	0	3
Stornoway	30.06	39	38	NE	4	c	4	Jersey	29.79	53	52	SW	2	r	2
Aberdeen	30.02	38	34	N	4	cql	3	Hurst Castle	29.78	46	45	ENE	4	rm	3
Shields	29.97	46	43	ESE	2	b	2	Dungeness	29.87	46	45	ESE	1	r	1
Ardrossan								North Foreland							
Malin Head	30.04	46	45	NNW	4	b	2	London (Westminster)	29.87	46	43	ESE	2	qpa	#
Belmullet	30.16	48	44	NNE	5	bc	3*	Yarmouth	29.89	48	46	ENE	3	c	3
Holyhead	29.99	47	42	NNE	4	b	3	Rochefort	29.96	57	54	NW	4	0	#

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

Weather in morning cloudy and unsettled over northwestern Europe as a whole, with rain in the south of England and the north of France and snow or sleet in the Shetlands and west of Norway. Fine over southern Europe, as well as in Finland, Sweden and Denmark, rainy in some parts of Austria and South Germany. Improving later in all but the extreme southern and southeastern parts of our Islands, but rain falling in France, Germany and the Netherlands.

Temperature fallen in most countries, but risen in France and also in the central and southern parts of Russia. Morning readings highest 71° at Athens, 65° at Algiers, and 62° at Barcelona; above 55° at most of the Mediterranean, Adriatic, and Spanish coast stations. Lowest 22° at Haparanda, 26° at Christiansund, and 27° at Ulearborg; below 40° over northern Europe generally and also in the north of Scotland. Daily maxima below 50° at most of our own northern, eastern, and southeastern stations, thermometer exceeding 55° in Germany, exceeding 60° in the south of France, and reaching 74° at Perpignan.

Wind light from the E.by.N. or NE.by.N. over the greater part of England; moderate to strong from the NE.by.E. or N.by.E. in Ireland, but S. or SW. in the west and north of France. Light to moderate from the NW.by.N. in the northeast of Scotland, and also over the greater part of Denmark, Germany, Austria and Italy. Strong to a gale from the W.by.S. or NW.by.N. in the west of Norway. SW. in the south of Sweden, E. or NE. in the north of Scandinavia. Light from the E.by.N. or NE.by.E. over Spain and the extreme south of France. Subsequently increasing to a gale at the mouth of the Channel.

Barometer highest 30·2 in. and upwards in an anticyclone lying off the Portuguese coasts; 30·1 in. and upwards in another system appearing off the west of Ireland. Lowest 29·5 in. and less, in a depression over the north of Norway, 29·8 in. and less, in a small depression over the southwest of England, and also in a large shallow area covering the greater part of southeastern Europe. Depression over the southwest of England subsequently moving slowly east southeastwards across the Channel, and barometer rising over the United Kingdom generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 23rd April, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.76	36	ENE	6	o	29.89	+ .15	30	26	+ 1	ENE	4	c	#	o	#	39	19	—
	Hernösand ...	29.55	24	E	o	b	29.75	+ .34	34	32	+ 4	N	6	o	#	b	#	39	21	0.04
	Stockholm ...	29.54	30	WNW	6	s	29.71	+ .21	32	30	— 2	WNW	6	s	#	s	#	41	28	0.16
	Wisby	29.66	32	NNW	9	s	29.80	+ .19	36	32	+ 3	NNW	8	b	#	s	#	41	28	—
	Karlstad ...	29.73	38	WNW	8	b	29.96	+ .43	36	34	+ 9	NW	8	b	#	b	#	#	#	—
	Bodö	29.86	32	ENE	2	b	29.95	+ .26	30	26	— 2	ENE	4	b	1	b	#	39	25	—
	Christiansund ...	29.98	35	N	3	s	29.96	+ .26	34	32	— 3	ESE	1	c	4	s	#	39	32	0.12
	Skudesnaes ...	30.12	37	NNW	6	c	30.17	+ .29	41	37	+ 5	W	4	o	2	c	#	43	34	#
	Færder (Christiania Fjord)	29.84	41	NW	5	b	30.11	+ .48	37	32	o	NW	4	b	2	b	#	45	34	—
	Skagen (The Scaw)	29.91	40	NNW	5	b	30.12	+ .43	39	33	o	NNW	3	b	0	b	#	48	37	—
	Fanö	30.07	38	NNW	5	c	30.29	+ .33	41	35	o	NNW	5	b	#	c	#	45	36	—
British Islands.	Sumburgh Head	30.11	40	W	1	o	30.01	— .08	44	39	+ 6	W	2	bc	3	bc, o	#	44	36	—
	Stornoway ...	30.13	44	S	4	cv	29.95	— .21	45	43	+ 7	SW	4	o	4	bc, cv	9.4	47	33	—
	Wick	30.17	40	NW	1	b	? 30.04	— .10	40	38	+ 1	W	1	o	1	b	#	54	38	—
	Nairn	30.17	41	E	o	b	30.04	— .16	46	42	+ 10	WSW	1	c	1	b	#	47	34	—
	Aberdeen ...	30.21	39	S	2	bc	30.09	— .10	44	40	+ 6	SW	2	c	1	c, bc	7.5	44	36	—
	Leith	30.20	45	W	2	c	30.09	— .12	49	43	+ 9	S	1	b	#	c	#	51	38	—
	Shields	30.24	40	S	3	o	30.15	— .05	44	42	+ 9	SSW	2	m	3	o	#	44	34	—
	Spurn Head ...	30.27	42	ESE	3	o	30.20	— .01	45	43	+ 5	SSW	3	c	4	ov	#	45	40	—
	York	30.28	40	ENE	1	og	30.20	— .02	43	41	+ 5	S	1	c	#	og	?	43	34	—
	Loughborough ...	30.25	49	SE	1	c	30.24	+ .03	44	41	+ 4	SSW	3	c	#	o, c, bc, c	#	49	39	—
	Ardrossan ...																#			
	Malin Head ...	30.18	47	E	1	bc	29.92	— .28	42	42	o	SSE	5	og	3	bc	#	48	39	0.01
	Belmullet ...	30.16	50	WSW	3	c	29.84	— .40	47	47	o	SSE	3	r	#	bc, c	#	53	47	0.12
	Donaghadee ...	30.24	48	SSE	3	bc	30.06	— .16	46	44	+ 3	S	4	o	4	o	#	48	?41	—
	Liverpool (Bidston)	30.26	44	WNW	1	b	30.15	— .03	43	39	— 2	SE	2	o	3	b	#	46	37	—
	Holyhead ...	30.26	44	N	1	c	30.08	— .13	48	45	+ 2	S	3	ow	2	b, c	#	48	42	—
	Parsonstown ...	30.18	52	SE	1	c	29.91	— .35	45	43	+ 8	SE	1	r	#	c	8.7	56	36	0.16
	Valencia ...	30.14	52	SSE	5	c	29.81	— .44	52	51	+ 6	SSE	3	rw	4	bc, c	11.4	55	45	0.42
	Roche's Point ..	30.23	49	SSE	4	bc	29.85	— .42	49	49	+ 4	S	8	r	5	bc	#	53	45	0.48
	Pembroke (St. Ann's Hd.)	30.26	48	NW	2	b	30.08	— .14	48	47	o	SSW	6	rg	4	b	13.1	49	42	0.01
	Scilly	30.26	51	E	2	b	30.05	— .17	49	48	— 2	SSE	6	r	2	b	12.0	55	47	0.07
	Prawle Point ...	30.29	46	SSE	3	b	? 30.10	— .03	47	45	+ 1	SSE	5	cw	4	b	#	50	44	—
	Jersey (St. Aubin's)	30.29	52	NNE	2	bc	30.27	+ .06	49	45	+ 2	SE	5	bw	4	bc	#	55	44	—
	Hurst Castle ...	30.29	47	SW	2	c	30.27	+ .05	49	45	+ 4	S	4	b	3	c	#	52	42	—
	Dungeness ...	30.30	43	ENE	3	o	30.32	+ .17	45	44	— 1	SSE	3	b	2	o	#	49	41	—
	North Foreland																#			
	London (Brixton) ...	30.28	47	N	1	c	30.29	+ .08	46	40	+ 5	S	2	b	#	c, o, b	0.5	49	40	—
	Oxford	30.29	47	SSE	2	o	30.26	+ .04	47	42	+ 6	S	4	bc	#	o	#	51	40	—
	Cambridge ...	30.29	47	S	1	o	30.29	+ .06	45	42	+ 3	SSW	2	o	#	o	0.2	49	39	—
	Yarmouth ...	30.28	46	NE	2	by	30.29	+ .11	44	40	+ 2	SSW	3	c	3	bv	#	46	41	—
Germany & Holland.	Cuxhaven ...	30.15	43	NW	4	c	30.30	+ .29	43	38	+ 3	NW	4	b	#	c	#	46	39	—
	Berlin	30.13	45	NW	2	c	30.27	+ .36	39	35	o	WNW	3	b	#	c	#	52	34	—
	Wiesbaden ...	#	#	#	#	#									#	#	#			
	Munich	30.12	41	NE	3	o	30.30	+ .42	37	35	— 10	NE	3	b	#	o	#	52	34	0.59
	The Helder ...	30.28	41	NNW	2	r	30.32	+ .22	43	39	+ 2	WSW	1	o	1	r	#	45	41	—
Belgium.	Brussels ...	#	#	#	#	#	30.38	+ .28	43	39	+ 3	SE	3	b	#	b	#	48	29	—
	Cape Gris Nez ...	30.26	43	E	3	b	30.28	?	40	37	— 3	SSE	1	b	1	b	#	48	34	—
	Paris	30.21	47	NNE	3	bc	30.34	+ .34	39	36	— 5	NE	2	b	#	bc	#	53	?	—
	Brest	30.24	58	NE	1	b	30.18	— .03	48	47	+ 5	SE	4	o	3	b	#	61	39	—
	Lorient	30.25	55	WNW	3	bc	30.28	+ .12	50	48	+ 3	SSE	3	b	2	bc	#	61	45	—
France &	Rochefort ...	30.20	54	NE	3	o	30.24	+ .24	44	41	— 7	ESE	3	b	#	o	#	59	41	—
	Belfort	30.10	41	NE	4	r	30.26	+ .42	39	36	— 8	E	3	o	#	r	#	56	37	0.16
	Lyons	30.11	47	NW	4	o	30.22	+ .25	43	40	— 8	NNW	2	c	#	o	#	58	42	0.08
	Nice	29.71	48	NE	8	r	29.95	+ .07	57	49	+ 2	E	2	b	2	r	#	70	45	—
	Perpignan ...	30.06	59	NW	2	b	30.16	+ .15	56	48	— 1	NW	3	b	#	b	#	66	50	—
	Biarritz ...	30.20	55	NW	3	o	30.19	+ .07	51	48	— 4	E	3	b	2	o	#	59	46	—
Peninsula.	Corunna ...	30.25	61	WNW	1	bc	30.22	.00	59	57	+ 2	WNW	1	f	2	bc	#	64	54	—
	Lisbon	30.22	61	N	4	c	30.23	+ .02	61	57	+ 3	N	5	c	#	c	#	75	57	—
	Azores (P. Delgada)	30.16	62	SSW	4	m	30.14	+ .08	62	61	o	SSW	4	o	4	m	#	66	61	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 3.1 hrs;

WEATHER CHARTS

FOR Sunday, 23rd April, 1899.

BAROMETER, WIND AND SEA.

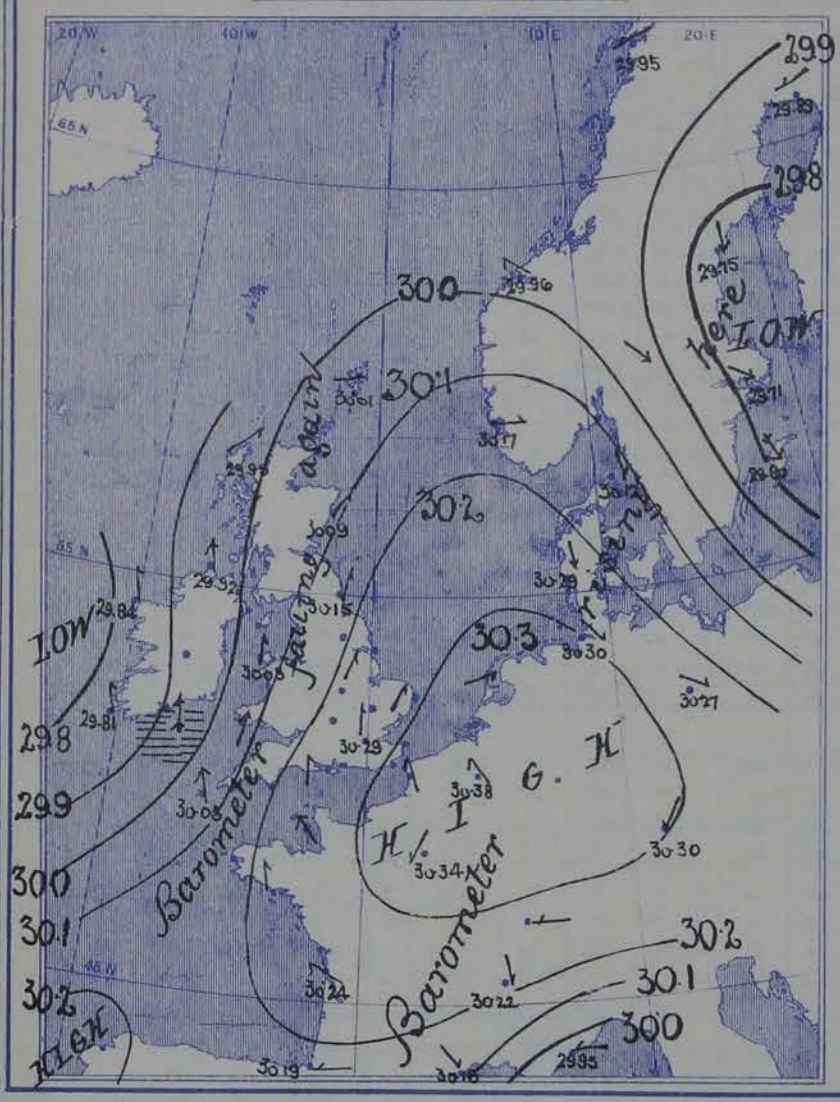
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High

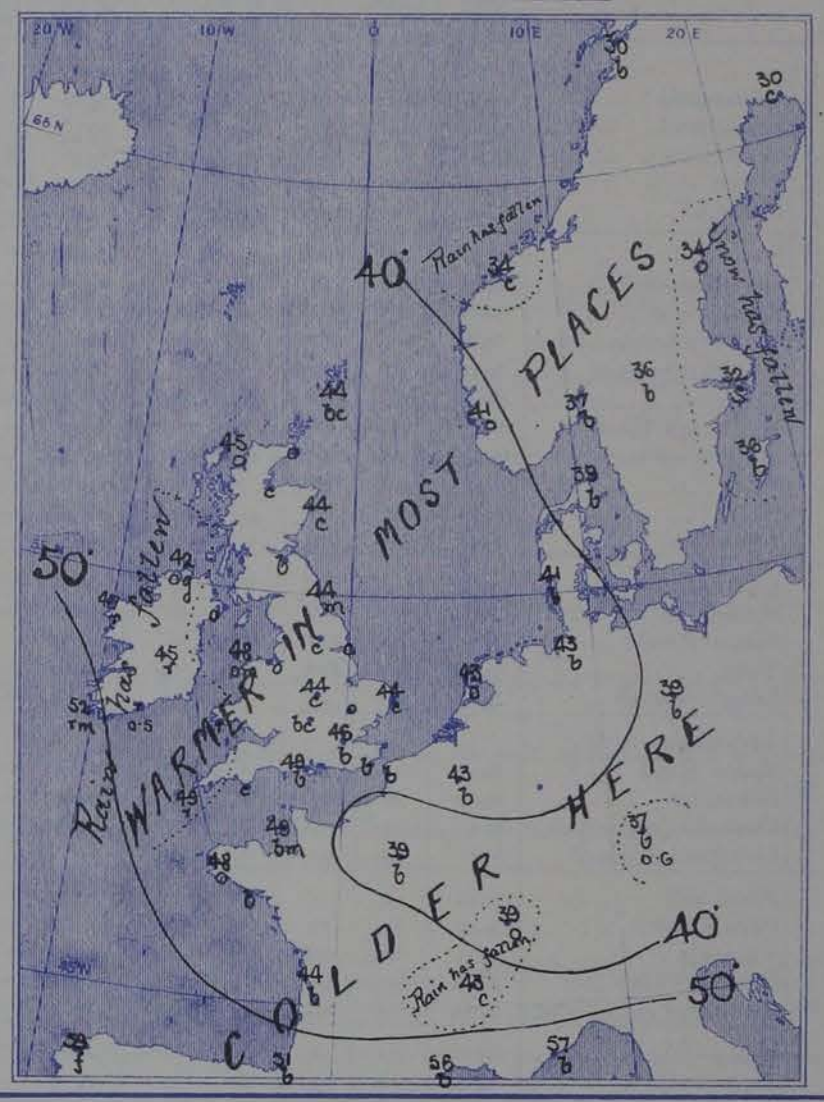


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95 Hours.	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43 3	41 3	49·3	37·0	69	1875	23	1892	1 63	—	—
Nairn	29·868	43 0	40·7	51 4	36·9	72	1875	21	1892	1 21	—	—
Aberdeen	29·885	43·5	40·8	49 6	38·0	72	1892	23	1881, 92	1 96	154·0	36
Leith	29·887	44·2	41·8	52·2	37 9	75	1875	23	1881	1 46	—	—
Shields	29·891	43·6	41 4	49 3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29 887	44·1	42·4	48·6	40 2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54 0	37·5	78	1893	22	1881, 91	1 68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29·879	44·6	42·4	51 7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44 2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44 8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42 0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155 8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185 9	45
Scilly	29·872	48·8	46 8	52·3	44 9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44 9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29 901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152 1	37
Cambridge	29·904	45 7	43·0	56·7	37·1	84	1893	21	1878	1·56	157 7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards over Western Germany, the Netherlands, and the northeast of France; 30·2 in: and upwards over Portugal and the northwest of Spain.
Lowest, 29·8 in: and less, in a depression off the west of Ireland and also in another disturbance over the Gulf of Bothnia and the northern part of the Baltic.
Gradients slight generally, but moderate to rather steep over the southwest of our Islands and also over the Baltic and south of Sweden.
Barometer falling in our Islands, locally in the west; rising at the Continental stations.

TEMPERATURE

Highest, 61° at Lisbon, 59° at Coruna, 57° at Nice, and 56° at Perpignan, highest in our Islands 52° at Valencia (Ireland).
Lowest, 30° at Bodö and Haparanda, 31° at Stockholm, and 34° at Hernösand and Christiansund; lowest in our Islands 40° at Wick and 42° at Malin Hd.
The maxima registered yesterday were below 45° at several of our northern stations, and below 50° in the east and southeast of England.

WIND

S^h over the greater part of the United Kingdom, and strong in force on our southwest coast, with a gale at Rockall Point.
Light from the W^rd in the extreme north of Scotland; NW^d over Scandinavia, Denmark, and North Germany, with a gale in the south of Sweden.
Light from the E^rd over the greater part of France; NW^d at Coruna and Lisbon.

WEATHER

Fine in all the more eastern parts of the United Kingdom, as well as at most of the Continental stations. A faint halo is reported at Oxford.
Dull and stormy at all our southwestern stations, dull also in some parts of Sweden, with snow at Stockholm.
Since yesterday rain has fallen over nearly the whole of Ireland, the largest amount being 0·5 in: at Rockall Pt.

SEA

Moderate to smooth generally, but rather rough at Rockall Point.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 24TH APRIL 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NONE ISSUED.	▼ 6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		▼ 8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 7·20 pm yesterday to districts 6, 10, and 2 parts of 0 and 9, and at 9·30 am today to district 8 "Hoist South Cone"

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·01	42	37	NNW	8	c	4
Sumburgh Head	30·14	42	39	W	1	bc	4
Stornoway	30·16	46	42	S	4	bc	4
Aberdeen	30·22	42	36	SSE	3	c	2
Shields	30·26	39	36	E	1	o	2
Ardrossan							
Malin Head ...	30·21	48	47	WNW	2	b	1
Belmullet	30·23	53	47	SW	4	bc	*
Holyhead	30·27	47	42	N	1	b	1
Valencia	30·21	54	47	S	2	bcv	3
Scilly	30·26	53	49	NNE	2	b	0
Jersey	30·28	52	47	ENE	3	b	3
Hurst Castle ...	30·28	51	46	SW	1	b	1
Dungeness ...	30·26	47	44	NE	4	bc	3
North Foreland							
London (Westminster)	30·27	48	42	NNE	2	ogrw	*
Yarmouth ...	30·25	46	41	NNE	3	b	3
Rochefort ...	30·16	50	54	NE	4	bc	*

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

Weather in morning fine over northwestern and northern Europe as a whole, but dull in the north of England, with sleet showers at Shields. Cloudy or dull in most of the central and southern countries, with rain in South Germany as well as at Nieuforhummeren and Moscow; fine in Austria and the south of Russia. Rain falling later in Ireland, — rather heavily in the south; snow reported at some of the Scandinavian stations.

Temperature fallen in most of the northwestern and northern countries, but risen elsewhere. Morning readings highest 72° at Constantinople, 66° at Pakras, 65° at Algiers and 64° at Athens; above 55° at most of the Mediterranean, Adriatic and Spanish coast stations. Lowest 20° at Moscow, 27° at Karlstad, 29° at Haparanda, and 30° at Hernösand; lowest in our Islands 35° at Shields. Daily maxima below 45° at several of our own northern stations, and below 50° in many parts of the United Kingdom, thermometer exceeding 60° in the west and south of France, and reaching 70° at Nice and 75° at Lisbon.

Wind light to moderate from the NW. in the northern parts of Great Britain, fresh to strong from the same quarter over the eastern shore of the North Sea and over Germany; W. in the south of Sweden; SE. in Finland. NE. over the south of our Islands, the Netherlands and the north of France; NW. over Italy and the southern parts of our Islands. Variable over the Spanish Peninsula, calm in Austria. Subsequently backing to the S. in Ireland and Scotland; NW. gale springing up in the south of Sweden.

Barometer highest 30·2 in. and upwards in an anticyclone stretching from the Atlantic over our Islands and the western part of the Spanish Peninsula. Lowest 29·5 in. and less in two depressions, — one lying over Sweden and the other over Central Russia. Swedish depression subsequently moving eastwards; new disturbance approaching our own western coasts in extremity.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 24th April, 1899.

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.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·00	30	NE	0	0	30·10	+·21	23	21	−7	NE	0	b	#	0	#	37	23	-
	Hernösand ...	30·03	33	NE	0	0	30·07	+·32	34	30	0	S	2	0	#	0	#	45	18	-
	Stockholm ...	30·08	34	NE	0	b	30·08	+·37	40	37	+8	W	2	b	#	b	#	40	28	-
	Wisby	30·03	37	NW	4	b	30·17	+·31	37	35	+1	W	4	b	#	b	#	41	32	-
	Karlstad ...	30·06	40	WSW	1	b	30·08	+·12	38	36	+2	SW	2	b	#	b	#	#	#	-
	Bodö	30·02	41	NE	0	b	30·03	+·08	31	29	+1	ESE	2	b	1	b	#	41	23	-
	Christiansund ...	29·95	41	WSW	2	0	29·95	−·01	42	38	+8	ESE	2	c	3	0	#	42	32	0·16
	Skudesnaes ...	30·13	41	S	6	0	29·96	−·21	42	40	+1	SSE	6	0	4	0	#	46	30	#
	Færder (Christiania Fjord)	30·06	42	WSW	4	0	30·06	−·05	40	36	+3	WSW	2	0	2	0	#	43	37	-
	Skagen (The Scaw)	30·17	40	NW	4	b	30·13	+·01	41	40	+2	WSW	2	0	0	b	#	46	37	-
	Fanö	30·26	42	W	1	bc	30·13	−·16	42	40	+1	SSW	3	b	#	bc	#	48	39	-
	Sumburgh Head	29·90	45	SSW	3	c	29·64	−·37	44	43	0	SE	3	0	5	c	#	48	41	-
	Stornoway ...	29·74	47	S	5	2u	29·49	−·46	47	46	+2	SSW	3	4	3	0a	0·0	48	43	0·15
	Wick	29·93	40	S	6	0	29·58	−·46	45	41	+3	S	1	0	1	0	#	56	40	0·10
	Nairn	29·81	51	SSW	2	m	29·56	−·48	48	46	+2	E	0	0	0	m	#	58	41	0·08
	Aberdeen ...	29·90	45	ESE	4	0gq	29·60	−·49	51	47	+7	S	2	c	3	c.gq.r	4·2	52	42	0·03
	Leith	29·91	50	SSW	2	0	29·62	−·47	47	46	−2	E	0	rm	#	0	#	56	44	0·13
	Shields	29·94	52	S	3	0	29·70	−·45	50	49	+6	S	3	0	2	0.r	#	55	42	0·05
	Spurn Head ...	30·03	50	S	5	0	29·79	−·41	48	48	+3	S	4	0	3	c.r	#	54	42	0·21
	York	30·01	50	S	3	0	29·76	−·44	50	49	+7	SSW	1	0	#	c.0.r	?	56	41	0·10
	Loughborough ...	30·07	46	S	4	0	29·81	−·43	49	41	+5	SSE	3	0	#	e.0pq.0	#	55	44	0·02
British Isles.	Ardrossan ...																#			
	Malin Head ...	29·70	47	S	1	0p	29·51	−·41	51	51	+9	S	4	c	2	r.p	#	51	41	0·11
	Belmullet ...	29·75	51	WSW	4	0	29·55	−·29	51	51	+4	SSW	5	0	#	0	#	52	47	0·24
	Donaghadee ...	29·78	46	S	4	r	29·62	−·44	51	50	+5	S	3	cp	3	r	#	51	44	0·26
	Liverpool (Bidston)	29·91	46	SE	4	r	29·72	−·43	51	49	+8	SE	2	0	2	0.r	#	52	42	0·15
	Holyhead ...	29·86	47	S	6	gmr	29·70	−·38	49	49	+1	S	4	f	3	gmr	#	49	40	0·44
	Parsonstown ...	29·79	55	SW	1	0	29·63	−·28	54	52	+9	SE	1	0	#	0r	0·9	58	44	0·24
	Valencia ...	29·81	54	SSW	3	0m	29·60	−·21	52	52	+2	S	3	0p	3	0m	0·0	56	51	0·24
	Roche's Point ...	29·87	54	SW	4	c	29·66	−·19	52	52	+3	SW	5	rm	4	c.f	#	56	48	0·25
	Pembroke (St. Ann's Hd.)	29·91	46	SW	5	f	29·75	−·33	49	49	+1	SW	3	f	4	0f	0·0	49	47	0·28
	Scilly	29·95	53	SSW	3	f	29·73	−·32	51	51	+2	S	2	r	4	0f	0·0	53	48	0·37
	Prawle Point ...	30·06	47	S	4	f	29·78	−·32	49	49	+2	S	3	r	3	r.f	#	51	46	0·21
	Jersey (St. Aubin's)	30·15	53	SE	4	0mqr	29·86	−·41	50	49	+1	SE	4	0pm	3	0.qmr	#	54	47	0·21
	Hurst Castle ...	30·13	48	S	3	rm	29·85	−·42	48	47	−1	SSE	3	0m	3	m.r	#	51	47	0·18
	Dungeness ...	30·18	48	SSE	2	0	29·92	−·40	50	48	+5	SSW	4	c	3	c.0	#	50	42	-
	North Foreland																#			
	London (Brixton) ...	30·15	48	SSW	2	0	29·89	−·40	51	46	+5	SW	2	0	#	c.02.0	3·8	54	45	0·03
	Oxford	30·07	45	SSE	4	0	29·84	−·42	47	46	0	S	2	0	#	r.0r	#	52	45	0·14
	Cambridge ...	30·13	49	S	3	0	29·87	−·42	49	48	+4	SSW	3	r	#	c.0	4·1	57	43	0·01
	Yarmouth ...	30·18	46	SSE	4	c	29·88	−·41	50	47	+6	S	4	bc	4	c	#	50	42	-
Germany & Holland.	Cuxhaven ...	29·89	43	N	1	b	30·12	−·18	39	36	−4	S	4	c	#	b	#	48	34	-
	Berlin	30·31	45	N	3	b	30·30	+·03	40	37	+1	SW	1	b	#	b	#	50	36	-
	Wiesbaden ...	#	#	#	#	#	30·24		42	?		E	1	0	#	#	#	50	34	-
	Munich	30·31	40	E	2	c	30·23	−·07	40	37	+3	E	5	b	#	c	#	46	30	-
	The Helder ...	30·03	45	NW	1	b	29·98	−·35	50	45	+7	S	2	bc	1	b	#	50	41	-
Belgium.	Brussels ...	#	#	#	#	#	30·04	−·34	49	43	+6	SSE	4	c	#	c	#	55	42	-
	Cape Gris Nez ...	?	47	SSE	1	bc	?	?	49	45	+9	S	2	0	2	bc	#	54	40	-
	Paris	30·21	54	SSE	1	b	30·01	−·33	47	43	+8	SSE	1	0	#	b	#	58	39	-
	Brest	30·08	51	S	4	f	29·84	−·34	52	52	+4	SSE	1	r	3	f	#	57	46	0·16
	Lorient	30·14	52	S	4	0	29·87	−·41	52	52	+2	S	5	r	5	0	#	61	50	0·20
France &	Rochefort ...	30·16	56	NNE	3	c	29·96	−·28	50	47	+6	SSE	3	0	#	c	#	68	41	-
	Belfort	30·21	48	ENE	3	bc	30·12	−·14	42	39	+3	NE	3	m	#	bc	#	52	35	-
	Lyons	30·19	53	NNW	1	b	30·14	−·08	46	43	+3	SSE	1	b	#	b	#	57	38	-
	Nice	30·03	54	SW	2	b	30·12	+·17	58	50	+1	E	0	b	1	b	#	66	48	-
	Perpignan ...	30·11	63	NW	3	b	30·14	−·02	54	49	−2	W	2	b	#	b	#	70	45	-
	Biarritz ...	30·13	58	NNE	3	b	30·03	−·16	55	51	+4	SE	3	0	2	b	#	61	51	-
Penin-sula.	Corunna ...																#			
	Lisbon	30·23	60	N	5	bc	30·23	+·01	64	59	+2	NNE	3	b	#	bc	#	75	61	-
	Azores (P. Delgada)	30·18	63	SW	4	0	30·21	+·07	62	61	0	SW	4	0	3	0	#	68	61	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·9 hrs;

WEATHER CHARTS

FOR Monday, 24th April, 1899.

BAROMETER, WIND AND SEA.

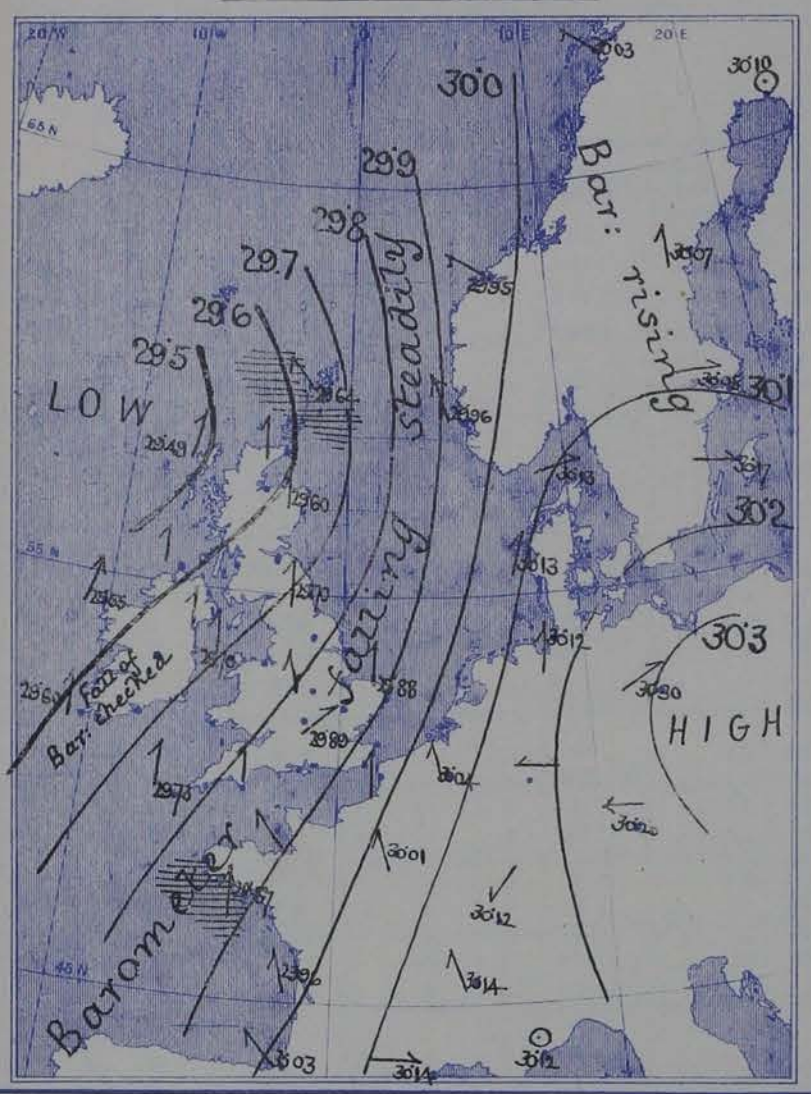
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

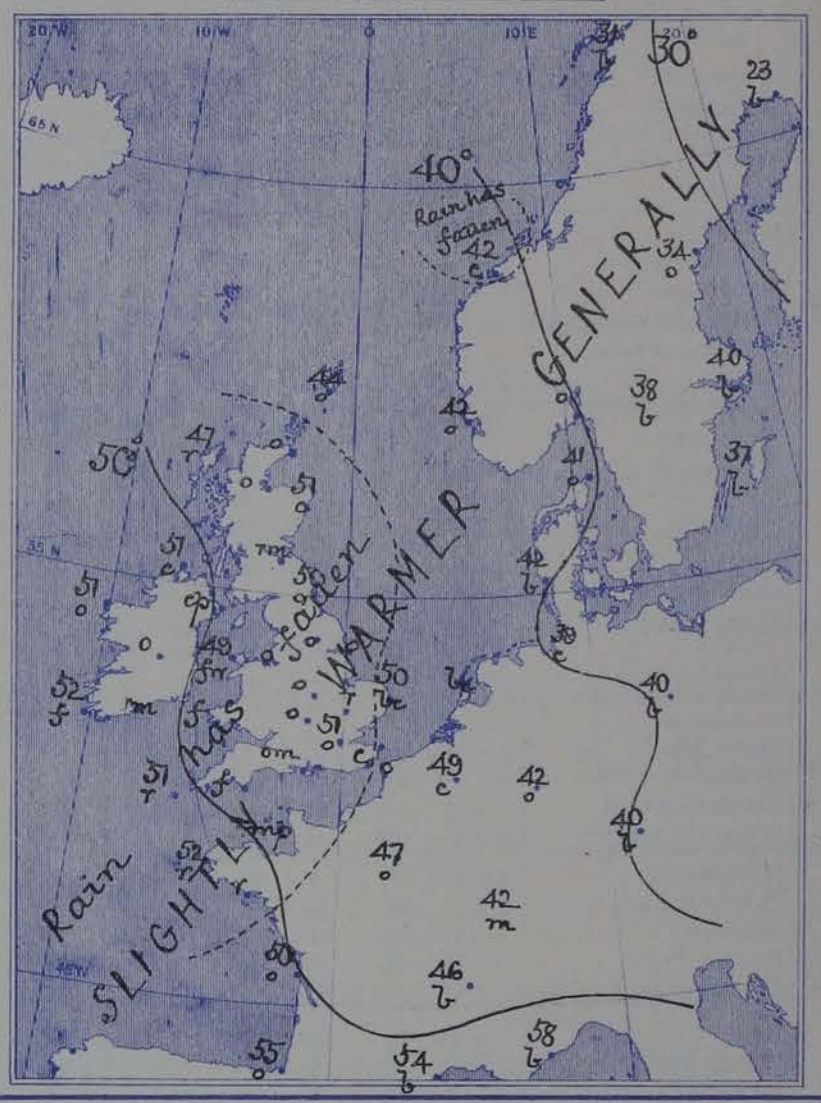


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ A dotted line separates areas where rain has fallen from those withow rain. The fall in vast 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF APRIL.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Maximum	Years.	Minimum	Years.		Hours	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22*	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7		—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7		—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and upwards in an anticyclone lying over Germany and the Baltic.
Lowest, 29·5 ins: and less, in a shallow depression off the west of Scotland.
Gradients slight generally, but moderate over the North Sea.
Barometer falling at all but the Swedish stations.

TEMPERATURE

Highest, (1) 58° at Nice, 55° at Biarritz, and 54° at Kirkjuvaa; (2) 54° at Valentia (Ireland) and Roche Point.
Lowest, 23° at Haparanda, 31° at Bodö, 34° at Hernösand, and 37° at Visby; lowest in our Islands 44° at Lerwick Head.
During yesterday the thermometer rose to 55° and upwards in several parts of the United Kingdom, and to 58° at Nairn and Parsonstown.

WIND

Light to moderate from the S.W. in our Islands, the Netherlands, and Denmark, and from the S.E. in France; E. in South Germany.
S.E. in the Shetlands and west of Norway, and strong in force at Skudesnaes; S.W. or W. in the south of Sweden.

WEATHER

Cloudy or dull in our Islands and the west and north of France, with rain in places, and with fog in many parts of our west and southwest coasts.
Fine over the greater part of Scandinavia, Denmark, Germany, and the south of France.
Rain fell yesterday in nearly all parts of the United Kingdom. A solar halo was seen at Jersey.

SEA

Rather rough at Lerwick Head, and moderate on our southwest coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Cyclonic systems are now moving northwards along our extreme western coasts, and southerly winds are likely to continue for a time, with mild changeable weather.

FORECASTS

For the 24 hours ending at NOON on 25TH APRIL 1899.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	S. winds, freshening; unsettled, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S. winds, moderate; mild, changeable, some rain.
▼ 6	SCOTLAND WEST	S. and S.W. winds, strong in places; unsettled, rain at times.
7	ENGLAND N.W.	
▼ 8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	
▼ 10	IRELAND SOUTH	
	WARNINGS	The South Cone is still flying in districts 6, 8, 10, and parts of 0 and 9

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.99	46	41	SW	6	6c	2
Sumburgh Head							
Stornoway	29.85	48	44	S	4	0d	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.77	47	47	SSE	4	r	2
Belmullet	29.82	52	51	SSW	3	o	*
Holyhead							
Valencia							
Scilly							
Jersey	30.21	52	49	ESE	4	o	3
Hurst Castle ...							
Dungeness ...	30.28	50	45	S	3	c	2
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.20	66	55	E	2	b	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 16TH TO THE 22ND APRIL 1899

During the early part of the week the cyclonic disturbance previously noticed off the east of England moved northwards to Scandinavia, where it gradually filled up, another depression being, however, formed in the meantime over Russia. Over western and central Europe the weather was affected for a time by an anticyclone of irregular form, while in the southern countries it was influenced by a complex depression which appeared over the Mediterranean, heavy rain being experienced over northern Italy and the south of France on the 18th.

Over our Islands and the neighbouring countries a decided change now occurred, owing firstly, to the passage eastwards of a shallow depression across Scotland and the North Sea, and secondly, to the movement in an eastsoutheasterly direction of another shallow system over the English Channel and France. The progress of each disturbance was attended by heavy rains either in the northern or southern parts of our Islands, but with the exception of a slight N'ly gale which sprang up at the mouth of the English Channel on the 21st, the depressions occasioned no serious increase of wind. On the 22nd the small depression in the south was dispersing over France, and a large anticyclone was moving eastwards across our Islands, the wind in its rear backing to the S'd on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

for 8 a.m. on Tuesday 25th April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·16	23	NE	0	fg	30·16	+·06	21	19	−2	NE	0	fg	*	fg	*	32	14	—
	Hernösand ...	30·11	31	NE	0	bc	30·04	−·03	35	31	+1	E	2	0	*	bc	*	39	27	—
	Stockholm ...	30·04	39	SW	2	fg	30·03	−·05	46	42	+6	SSW	2	0	*	fg	*	54	28	—
	Wisby	30·12	39	SW	4	fg	30·04	−·13	44	39	+7	S	4	fg	*	fg	*	46	30	—
	Karlstad ...	30·01	40	SW	2	c	29·95	−·13	41	38	+3	S	4	0	*	c	*	*	*	—
	Bodö	30·04	36	ESE	2	fg	29·80	−·23	38	35	+7	ENE	4	fg	1	fg	*	45	28	—
	Christiansund ...	29·79	41	ESE	2	fg	29·67	−·28	47	40	+5	WSW	1	0	3	fg	*	47	39	—
	Skudesnaes ...	29·72	42	S	6	0	29·72	−·24	45	42	+3	ESE	4	0	3	T.0	*	45	39	*
	Færder (Christiania Fjord)	29·99	41	SSE	2	0	29·88	−·18	41	39	+1	E	2	0	2	0	*	43	39	—
	Skagen (The Scaw)	29·97	43	SSE	3	0	29·83	−·30	43	40	+2	SE	3	0	0	0	*	46	41	—
	Fanö	29·86	46	S	3	0	29·66	−·47	46	43	+4	SE	4	c	*	0	*	48	42	—
	Sumburgh Head	29·49	44	SE	1	c	29·43	−·21	44	44	0	SE	3	r	4	0.c	*	46	40	0·08
	Stornoway ...	29·36	49	S	3	0	29·31	−·18	46	45	−1	NW	3	r	3	T.0	0·0	51	43	0·20
	Wick	?29·52	44	S	1	bc	?29·41	−·17	46	45	+1	S	1	f	1	bc	*	55	43	0·02
	Nairn	29·40	57	NE	0	bc	29·31	−·25	54	51	+6	NE	0	c	1	bc	*	57	45	—
	Aberdeen ...	29·47	53	S	2	bc	29·37	−·23	44	44	−7	S	3	org	3	bc	5.2	56	44	0·09
	Leith	29·48	58	WSW	2	c	29·32	−·30	47	45	0	WSW	3	om	*	c	*	64	45	0·01
	Shields	29·53	54	S	2	of	29·37	−·33	47	47	−3	SSE	3	f	2	om.r, of	*	58	45	0·16
	Spurn Head ...	29·59	49	S	3	0	29·42	−·37	46	46	−2	SSE	3	or	3	0, f	*	52	45	0·16
	York	29·58	55	SSE	2	0	29·49	−·36	49	48	−1	SSE	1	0	*	c, 0, r	?	56	46	0·03
	Loughborough ...	29·60	51	SSE	2	0	29·44	−·37	50	49	+1	WSW	3	op	*	op	*	54	47	0·09
British Islands	Ardrossan ...																*			
	Malin Head ...	29·33	55	S	2	c	29·32	−·19	44	44	−7	SSW	4	bc	2	p, c	*	58	42	0·32
	Belmullet ...	29·40	51	SSW	4	om	29·29	−·26	50	47	−1	WSW	5	c	*	rm, om	*	54	41	0·25
	Donaghadee ...	29·45	51	SSE	4	og	29·42	−·20	45	43	−6	SSW	4	fg	3	0	*	56	39	0·38
	Liverpool (Bidston)	29·53	52	SSE	1	p	29·48	−·24	48	44	−3	W	4	bc	3	p	*	57	44	0·32
	Holyhead ...	29·53	49	SSW	3	omp	29·50	−·20	49	45	0	W	4	fg	3	df, omp	*	51	43	0·15
	Parsonstown ...	29·44	55	NE	0	p	29·46	−·17	44	42	−10	SW	1	0	*	c, p	3·0	62	39	0·25
	Valencia ...	29·48	53	WSW	4	omp	29·54	−·06	49	46	−3	WSW	7	0	6	omp	0·0	55	45	0·13
	Roche's Point ..	29·50	54	SW	4	c	29·57	−·09	48	46	−4	W	5	c	4	f, c	*	56	42	0·01
	Pembroke (St. Ann's Hd.)	29·59	49	SW	3	f	29·62	−·13	48	45	−1	NW	4	bc	4	f	0·0	50	45	0·17
	Scilly	29·59	52	WSW	2	f	29·71	−·02	50	48	−1	WNW	6	cp	3	f	0·0	56	47	0·13
	Prawle Point ...	29·59	50	WSW	2	f	29·65	−·13	48	46	−1	W	5	bc	4	rf	*	52	45	0·25
	Jersey (St. Aubin's)	29·56	52	SE	4	orgm	29·69	−·17	50	49	0	WNW	4	cmp	3	o.rmg	*	52	48	0·52
	Hurst Castle ...	29·59	49	E	2	rm	29·57	−·28	51	50	+3	WNW	4	cp	3	rm	*	51	47	0·58
	Dungeness ...	29·65	49	SE	3	r	29·53	−·39	49	49	−1	SW	3	f	2	r	*	52	47	0·35
	North Foreland																*			
	London (Brixton) ...	29·62	48	SSE	1	org	29·52	−·37	50	49	−1	SW	1	or	*	or. 0	0·0	56	45	0·30
	Oxford	29·60	47	SSE	2	r	29·49	−·35	51	49	+4	W	3	org	*	org	*	51	46	0·19
	Cambridge ...	29·64	48	S	2	r	29·48	−·39	49	49	0	SW	2	r	*	r	0·0	56	45	0·19
	Yarmouth ...	29·66	48	SSE	4	od	29·47	−·41	49	47	−1	SSW	2	r	3	c, od	*	51	44	0·11
Germany & Holland	Cuxhaven ...	29·89	54	S	3	0	29·60	−·52	46	42	+7	SE	3	c	*	a	*	55	34	—
	Berlin	30·00	53	SE	3	fg	29·76	−·54	50	44	+10	SE	2	0	*	fg	*	59	40	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29·93	45	E	3	fg	?29·80	−·43	49	45	+9	NW	4	0	*	fg	*	55	36	—
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*	29·68	−·36	48	47	−1	WSW	4	0	*	r	*	60	46	0·12
	Cape Gris Nez ...	29·65	50	S	2	r	29·54	?	48	47	−1	WSW	2	0	2	r	*	55	46	0·24
	Paris	29·70	50	S	3	r	29·69	−·32	53	50	+6	SW	3	0	*	r	*	60	47	0·12
	Brest	29·69	53	W	2	m	29·80	−·04	51	49	−1	NW	4	0	4	m	*	54	46	0·55
	Lorient	29·70	53	W	5	m	29·78	−·09	53	52	+1	WNW	5	r	5	m	*	57	52	0·51
France &	Rochefort ...	29·76	55	W	5	r	29·86	−·10	55	53	+5	WNW	4	0	*	r	*	57	50	0·47
	Belfort	29·85	57	NE	0	0	29·78	−·34	48	48	+6	SW	4	r	*	0	*	63	42	0·32
	Lyons	29·92	56	SW	3	r	29·87	−·27	51	50	+5	N	1	c	*	r	*	66	46	0·08
	Nice	30·06	54	S	1	0	29·90	−·22	51	48	−7	E	1	0	0	0	*	64	50	—
	Perpignan ...	29·97	60	NE	3	0	29·99	−·15	61	53	+7	NW	4	fg	*	0	*	68	54	0·16
	Biarritz ...	29·97	59	SW	4	r	30·02	−·01	57	55	+2	WSW	5	0	5	Tr	*	68	54	0·35
Peninsula.	Corunna ...																*			
	Lisbon	30·24	61	SE	1	0	30·22	−·01	60	56	−4	N	4	0	*	0	*	72	59	—
	Azores (P. Delgada)	30·25	62	SW	3	fw	30·19	−·02	63	60	+1	SSW	4	0	3	fg	*	66	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Tuesday, 25th April, 1899.

BAROMETER, WIND AND SEA.

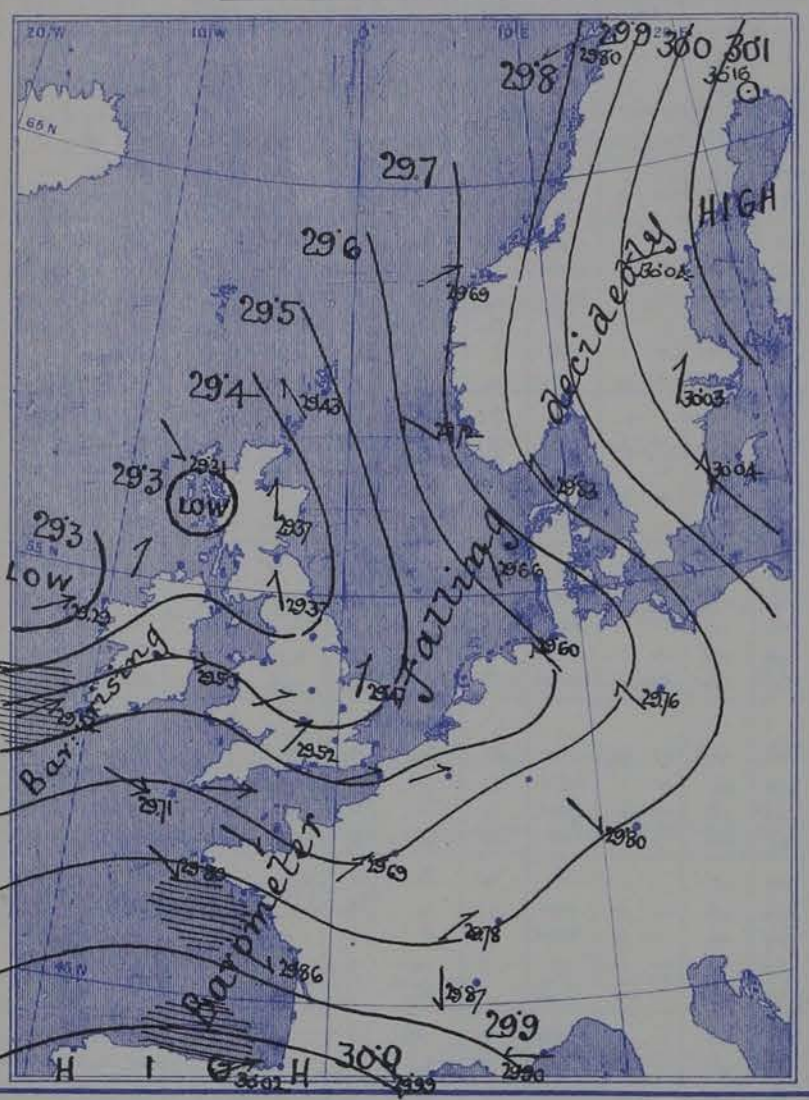
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High

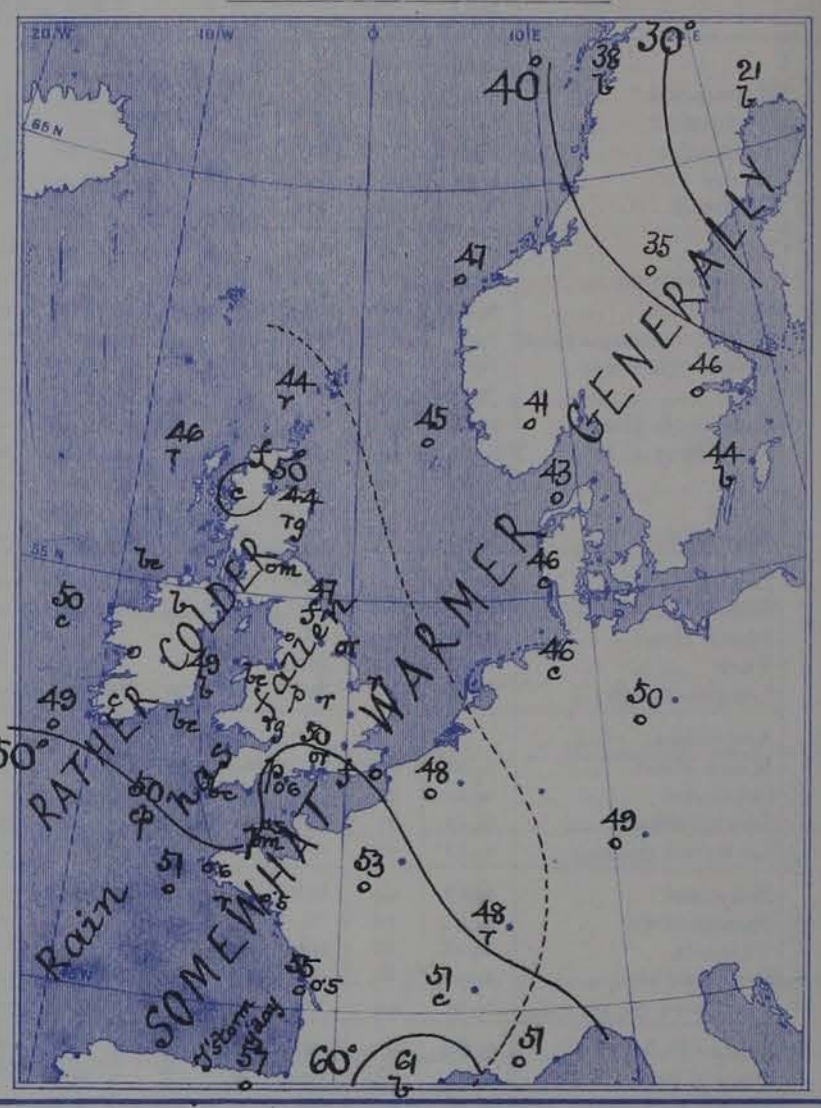


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 0	37 · 5	78	1893	22	1881, 91	1 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	195 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 1	37
Cambridge	29 · 904	45 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·0 ins. and more both over the Spanish Peninsula and Sweden, still higher over Finland.
Lowest. Below 29·3 ins. in two small depressions, one off the NW. of Ireland the other over the W. of Scotland; below 29·4 ins. in a small "V" shaped secondary over the N. of England, and below 29·6 ins. over Holland.
Distribution was therefore very complex over our Islands. Gradients moderate but variable — mainly favourable for SW. winds. Barometer unsteady, rising & falling alternately with great frequency, and through considerable amplitude.

TEMPERATURE

Highest 57° at Biarritz, 55° to 50° along the W. and NW. coasts of France, 49° to 50° in the W. of Ireland. 50 at Berlin, above 45° over nearly the whole of our Islands.
Lowest 21° at Haparanda, 35° at Hernösand, 38° at Bodö, 41° at Karlstad.
It was very unsteady over our Islands generally, but had touched 64° at Leith, 62° at Jersey, and 55° to 57° in many other places yesterday.

WIND

SE. by E. in the Shetlands and southwest of Norway, S. by E. to W. by S. (variable) over our Islands, and blowing very strongly in the west of Ireland; S. by E. to SE. by E. on the eastern shores of the North Sea.

WEATHER

Very changeable and showery over France and our Islands.
The rainfall of the past 24 hours has amounted to more than half an inch at Jersey, Hurst Castle, Brest and Lorient.
Bright Sunshine yesterday amounted to 5 hours at Aberdeen and 3 hours at Valencia (Ireland) but was very slight at the English stations.

SEA

Rather rough off the W. of Ireland, moderate on our SW. coasts, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of changeable showery weather is likely, with S. by E. to W. by S. winds.

FORECASTS

For the 24 hours ending at NOON on 26TH APRIL 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	A continuation of S. by E. to W. by S. winds (strong at the western stations) and changeable, very showery weather.	6 SCOTLAND WEST	A continuation of S. by E. to W. by S. winds (strong at the western stations) and changeable, very showery weather.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.86	42	40	SSE	6	r	4
Sumburgh Head	29.53	44	43	SE	2	o	4
Stornoway	29.42	50	49	S	5	p	5
Aberdeen	29.52	54	51	S	3	be	4
Shields	29.60	56	53	SSW	2	om	2
Ardrossan							
Malin Head ...	29.42	57	56	S	3	be	2
Belmullet	29.46	52	52	SSW	3	rm	*
Holyhead	29.60	51	50	SW	3	df	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.51	54	54	SSW	3	p	4
Scilly	29.63	55	55	SW	2	f	3
Jersey	29.66	50	49	ESE	5	o	4
Hurst Castle ...	29.69	49	47	ESE	2	rm	2
Dungeness ...	29.77	51	49	SW	3	r	2
North Foreland							
London (Westminster)	29.71	50	48	S	3	or	
Yarmouth ...	29.75	50	48	SSE	4	c	*
Rochefort ...	29.80	55	54	SW	5	r	4
							*

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

Weather in morning dull and changeable over the whole of the United Kingdom and France, fair over Scandinavia and N^rn. Europe, fine over central and southern Europe and the Mediterranean. Rain showers falling later in all parts of the British Islands and France, the amounts being largest over our S^rn. districts and the NW. of France; fog very prevalent (temporarily) off our SW. coasts.

Temperature risen considerably over W^rn. Europe. Morning readings highest, considerably above 60° on the coasts of the Spanish Peninsula and the S^rn. coasts of the Mediterranean, 67° at Athens; 58° at Nice, and 50° to 52° along the W. coast of France and the extreme SW. and W. of our Islands, and 51° in London and at Liverpool. Lowest 14° at Archangel, 23° at Haparanda, and freezing all over the most N^rn. parts of Europe; 35° to 40° over the inland parts of Germany. Rising later to 64° at Leith, 62° at Parsonstown, 60° at Paris, and 64° to 68° over the southern parts of France.

Wind light and anticyclonic over central and northern Europe; S. to SW. over our Islands and the north of France — moderate to light over Gt. Britain, but fresh in many parts of Ireland. Becoming SE. to E. over the south-eastern counties for a time later, but S. to W. over the remainder of western Europe; N. at Lisbon.

Barometer highest 30.3 ins. and more to 30.1 ins. over central and S^rn. Europe and in a "ridge" stretching northward to Scandinavia. Lowest 29.5 ins. and less off our NW^rn. coasts, and 29.9 ins. and less over the N. of Russia. Older depressions reaching various parts of our Islands later, but none of great intensity.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 26th April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.89	28	SE	2	bc	29.63	-.53	35	32	+14	S	4	o	*	bc	*	36	16	0.04
	Hernösand ...	29.87	34	E	4	r	29.74	-.30	40	36	+5	S	4	bc	*	r	*	40	25	-
	Stockholm ...	29.94	37	E	2	b	29.78	-.25	50	44	+4	ENE	2	bc	*	b	*	52	36	-
	Wisby	29.91	40	SSE	4	b	29.72	-.32	48	42	+4	SSE	6	b	*	b	*	54	34	-
	Karlstad ...	29.79	47	ENE	2	o	29.68	-.27	45	41	+4	ENE	2	o	*	o	*	*	*	-
	Bodö	29.64	40	SW	0	o	29.64	-.13	33	?	-5	SW	0	S	o	o	*	43	30	-
	Christiansund ...	29.69	47	WSW	1	r	29.68	-.04	45	41	-2	WSW	2	o	3	r	*	48	40	0.16
	Skudesnaes ...	29.61	49	ENE	4	o	29.55	-.17	50	43	+5	NE	4	o	2	b.o	*	55	43	*
	Færder (Christiania Fjord)	29.70	47	NE	2	o	29.62	-.26	42	37	+1	NNE	4	o	2	o	*	46	41	-
	Skagen (The Scaw)	29.65	46	ESE	3	o	29.54	-.29	44	42	+1	ESE	2	o	o	o	*	52	43	0.04
	Fanö	29.44	50	ESE	4	r	29.48	-.18	46	45	0	WSW	1	b	*	r	*	55	45	0.28
British Islands.	Sumburgh Head	29.51	46	ESE	3	c	29.63	+.20	50	45	+6	NE	1	b	4	o.c	*	50	40	0.23
	Stornoway ...	29.39	49	NNW	3	o	29.63	+.32	49	48	+3	NE	2	b	2	o	0.0	49	43	0.05
	Wick	29.50	47	S	1	c	29.68	+.27	47	43	+1	W	1	c	1	c	*	47	41	0.02
	Nairn	29.38	46	Z	0	r	29.64	+.33	45	44	-9	W	1	c	1	r	*	54	41	0.06
	Aberdeen ...	29.39	43	ESE	5	o gg r	29.59	+.22	48	45	+4	NNW	4	bc g	3	g r g	0.0	49	42	0.31
	Leith	29.34	48	W	1	o	29.58	+.26	50	48	+3	NNW	1	b m	*	o	*	51	42	0.11
	Shields	29.37	45	N	1	c	29.51	+.14	44	44	-3	NNW	3	o	3	r.c.r	*	50	40	0.11
	Spurn Head ...	29.39	44	ENE	2	b	29.47	+.05	44	43	-2	NW	4	o p	3	o p	*	50	42	0.08
	York	29.38	51	WNW	1	o	29.50	+.10	46	44	-3	NW	2	o p	*	r.c.p	?	55	39	0.07
	Loughborough ...	29.41	52	SSW	2	r	29.53	+.09	47	44	-3	WNW	3	c	*	c.bc.c p	*	58	41	0.10
	Ardrossan ...																*			
	Malin Head ...	29.42	47	N	5	b	29.65	+.33	47	47	+3	NW	3	o	2	c.b	*	51	44	-
	Belmullet ...	29.55	50	N	5	bc	29.76	+.47	50	49	0	WNW	2	c	*	bc	*	51	40	0.02
	Donaghadee ...	29.33	47	E	2	o p	29.62	+.20	48	46	+3	NW	4	o p	3	o p	*	50	34	0.03
	Liverpool (Bidston)	29.36	46	SW	2	c	29.58	+.10	47	45	-1	WNW	3	o	4	r.c	*	52	44	0.03
	Holyhead ...	29.32	45	SE	2	o p	29.64	+.14	47	45	-2	NW	4	o m	3	r m.c p	*	49	44	0.13
	Parsonstown ...	29.43	48	NW	2	o	29.77	+.31	48	44	+4	W	1	c	*	c g p	6.0	52	39	0.12
	Valencia ...	29.65	51	WNW	6	b g	29.81	+.27	50	47	+1	WNW	1	c	4	bc g.b g	7.5	53	43	0.10
	Roche's Point ..	29.52	50	NW	7	bc g	29.79	+.22	50	47	+2	WNW	3	b	3	bc g	*	54	40	0.05
	Pembroke (St. Ann's Hd.)	29.40	49	WNW	7	c	29.73	+.11	47	46	-1	NW	5	b	5	c	7.6	50	45	0.02
	Scilly	29.66	51	WSW	6	c	29.79	+.08	50	47	o	NW	4	bc	4	c	6.4	54	46	0.02
	Prawle Point ..	29.59	49	N	7	bc	29.74	+.09	48	44	o	NW	4	bc	3	q p	*	52	43	0.15
	Jersey (St. Aubin's)	29.72	51	WSW	5	bc	29.74	+.05	51	47	+1	WNW	5	bc	4	b c p	*	55	48	0.06
	Hurst Castle ...	29.57	50	WSW	6	o p	29.63	+.06	50	46	-1	WNW	4	c	3	c p.o p	*	54	44	0.02
	Dungeness ...	29.54	49	WSW	6	c	29.52	-.01	48	46	-1	NNW	4	c	4	c	*	55	44	0.20
	North Foreland																*			
	London (Brixton) ...	29.51	52	W	3	c	29.55	+.03	47	44	-3	NW	4	c	*	o r.c.p	4.2	58	43	0.20
	Oxford	29.45	47	SW	4	r	29.59	+.10	49	45	-2	NW	3	bc	*	c.p	*	55	43	0.08
	Cambridge ...	29.47	51	WSW	3	o	29.53	+.05	49	47	o	NW	3	b w	*	c.o	3.7	58	41	0.02
	Yarmouth ...	29.43	52	W	3	c	29.46	-.01	48	46	-1	NNW	4	c	4	c	*	53	41	0.32
Germany & Holland.	Cuxhaven ...	29.45	52	SW	3	o	29.46	-.14	44	43	-2	SW	1	b	*	o	*	54	43	-
	Berlin	29.60	56	S	3	o	29.55	-.21	52	49	+2	Z	o	r	*	o	*	64	48	0.12
	Wiesbaden ...	*	*	*	*	*	29.62		47	44		W	3	r	*	*	*	59	46	0.04
	Munich	29.73	48	E	3	b	29.74	-.06	47	45	-2	SW	4	r	*	b	*	55	45	0.12
	The Helder ...	29.42	47	W	1	r	29.41		46	44		SSW	1	c	1	r	*	50	45	0.32
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	29.55	49	W	6	bc	29.43	-.11	46	44	-2	NNW	5	o	6	bc	*	54	41	0.43
	Paris	29.71	52	WNW	4	b	29.60	-.09	48	44	-5	SW	4	c	*	b	*	62	45	0.24
	Brest	29.80	50	WNW	4	o	29.81	+.01	48	46	-3	WNW	5	c	4	o	*	54	45	0.08
	Lorient	29.82	52	W	5	r	29.77	-.01	50	50	-3	NW	5	r	6	r	*	57	48	0.04
France &	Rochefort ...	29.92	54	NW	4	r	29.84	-.02	54	50	-1	WNW	5	o	*	c.r	*	59	50	0.04
	Belfort	29.72	51	WSW	6	o	29.68	-.10	44	43	-4	WSW	5	r	*	o	*	58	42	0.35
	Lyons ...	29.86	57	SSE	2	o	29.84	-.03	47	47	-4	SW	1	o k r	*	o	*	66	47	0.16
	Nice	29.90	53	SW	1	c	29.75	-.15	51	50	o	E	2	c	o	c	*	63	48	-
	Perpignan ...	29.97	63	W	4	o	29.95	-.04	58	54	-3	WNW	2	o	*	o	*	72	53	-
	Biarritz ...	30.04	58	WSW	2	o	30.02	.00	?	?	?	W	4	r	4	o	*	59	52	0.04
Peninsula.	Corunna ...																*			
	Lisbon	30.18	58	N	4	b	30.13	-.09	62	55	+2	NNE	4	b	*	b	*	70	55	-
	Azores (P. Delgada)	30.10	63	SSW	4	o	29.95	-.24	63	60	o	SSW	4	o	4	o	*	70	61	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 5.6 hrs;

WEATHER CHARTS

FOR Wednesday, 26th April, 1899.

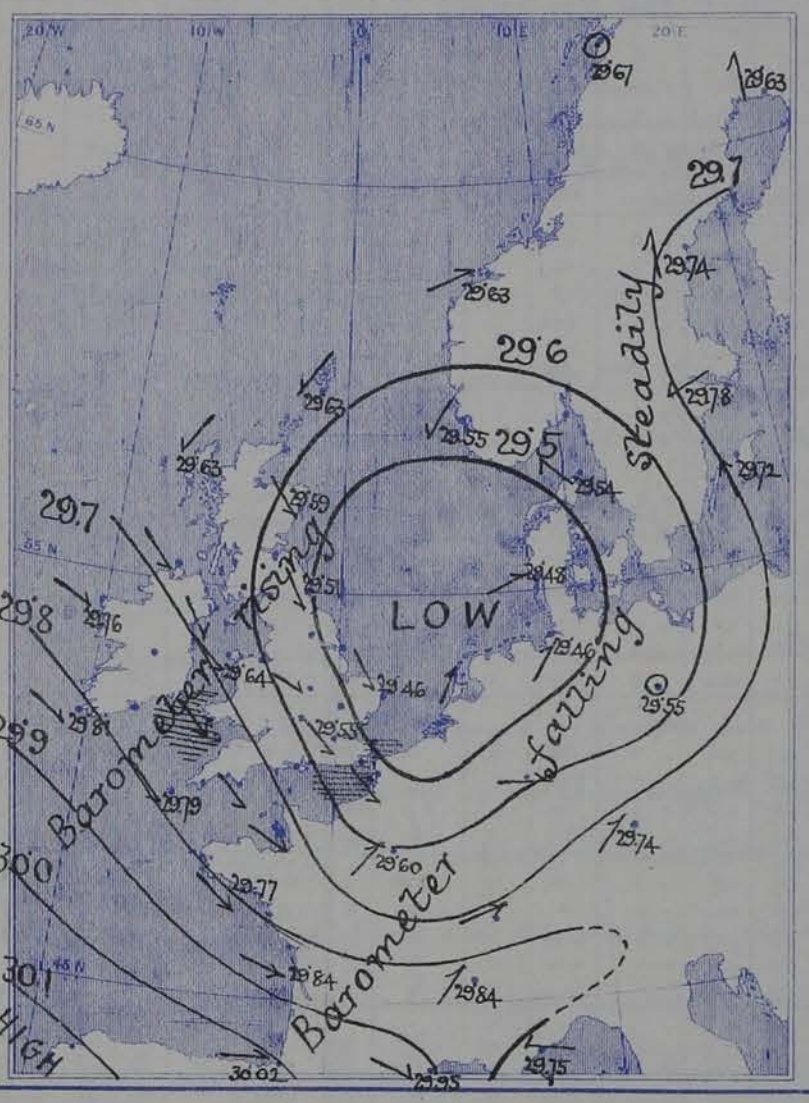
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—Rough ; *High*

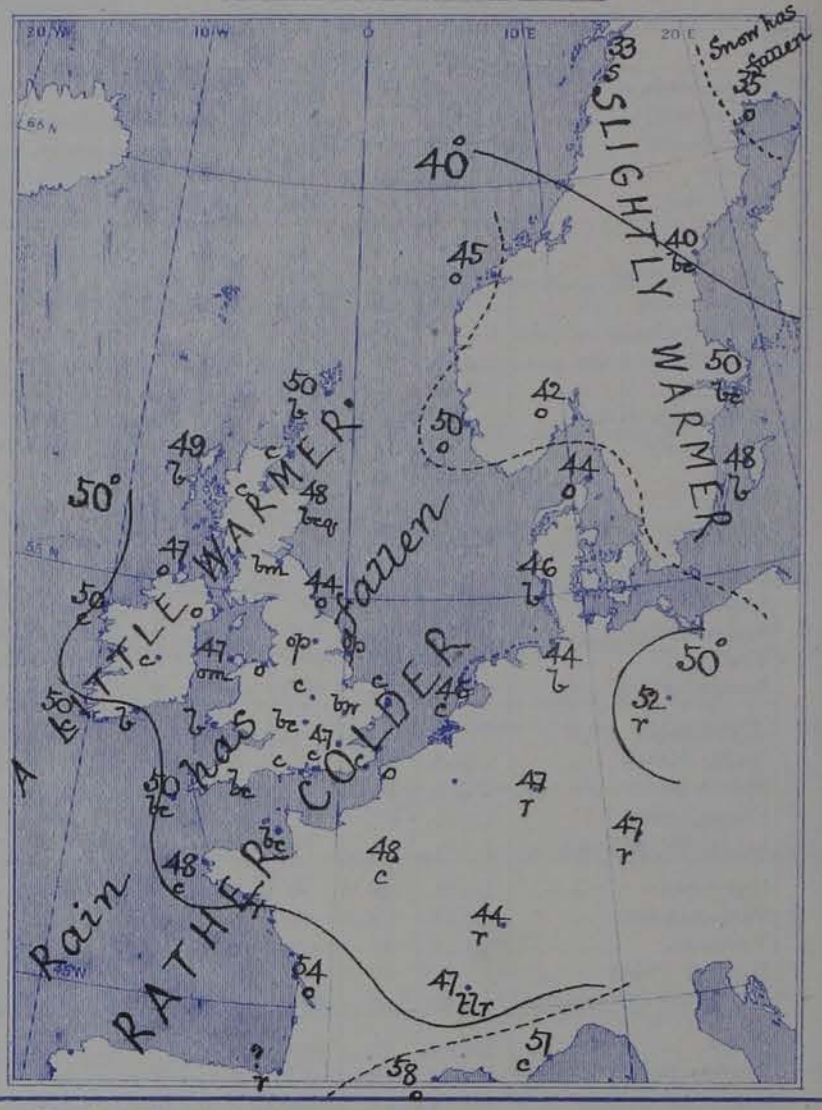


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 A.M.	Wet Bulb 8 A.M.	Daily Maximum	Daily Minimum	Maximum	Years.	Minimum	Years		Hours	Per cent. of possible
	(Inches.)									(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·4	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1877	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7		—		—		—	—
Belmullet	29·863	46·5	44·3	52·2	42·7		—		—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	196·3	48
Hursi Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80*	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and more to 30·0 in: over the Spanish Peninsula.
Lowest, 29·5 in: and less, in a depression lying over the North Sea.
Gradients moderate over our Islands and France
Barometer rising generally – most over Great Britain.

TEMPERATURE

Highest, 58° to 50° on the southern and western coasts of France, 52° at Berlin, 50° at Scilly, Valencia, Belmullet, and Sumburgh Head.
Lowest, 33° at Bodö, 35° at Haparanda, 42° at Fasnden.
It has fallen generally over our Islands since yesterday when maxima of 58° to 55° were recorded in several places; 62° at Paris, 64° at Berlin, 72° at Kupiyan.

WIND

NW^{3} at most of our stations, and blowing rather strongly in the southeast of England and the Straits of Dover. W^{3} to SW^{3} over Germany, NE$_{1}$ in the south of Scandinavia.
It blew very strongly from W. and NW. at several of our western stations stations yesterday.

WEATHER

Though fair at time of observation in our Islands is not at all settled in the east and southeast of England. It is finer in Ireland, but the change appears to be temporary.
Rain fell very generally yesterday in our Islands and France. About 7½ hours of Bright Sunshine occurred in Ireland, 4 hours in London, none at the Scotch stations.

SEA

Rather rough at Pembroke and on the French coast, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is likely to become fair over Great Britain today, and cold tonight. A subsequent backing to SW. or S. is probable – commencing at the western stations.

FORECASTS

For the 24 hours ending at NOON on 27TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^{3} and N^{3} winds, moderating, fair; backing to SW. tomorrow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Wind backing to SW or S. again, and freshening; fine at first, then rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.68	55	45	ESE	6	b	3
Sumburgh Head	29.49	46	45	ESE	3	o	5
Stornoway	29.37	48	47	NW	3	o	3
Aberdeen	29.37	44	44	SE	4	o g r q	4
Shields	29.39	45	43	NSW	2	r	2
Ardrossan							
Malin Head ...	29.32	48	48	E	4	c	3
Belmullet	29.37	50	47	NNW	6	bc	*
Holyhead ..	29.41	47	46	SW	3	rm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.58	53	47	W	7	bc q	6
Scilly	29.71	52	49	W	6	c	4
Jersey	29.75	53	48	WNW	5	bc	4
Hurst Castle ...	29.62	52	48	SW	5	cp	3
Dungeness ...	29.52	54	51	WSW	5	c	4
North Foreland							
London (Westminster)	29.52	57	49	WSW	4	bc	3 *
Yarmouth ...	29.43	52	49	WNW	2	c	
Rochefort ...	29.88	59	55	W	5	c	*

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

Weather in morning changeable, showery, and unsettled over our Islands generally, France, and the North Sea, fair over Scandinavia, fine over Russia and Central Europe. These conditions continuing all day – the amount of rain being greatest in the southeast of England and the Netherlands.

Temperature fallen decidedly in Ireland, risen over Germany and the Baltic, fallen over southeastern Europe. Morning readings highest 68° at Algiers, 62° at Barcelona, variable over the Adriatic and Mediterranean; 55° to 50° in the west and northwest of France, 50° at Berlin, Scilly, several of the English stations, and at Belmullet. Rising later to between 53° and 58° in many part of our Islands, to 62° at Paris, 64° at Berlin, 66° at Lyons and 72° at Perpignan.

Wind light to moderate in force and anticyclonic over Russia and Poland and also over Spain. Stronger from between W. and S., and variable over our Islands, NW in the northwest of France. Blowing very strongly later from between W. and N. at several of our western stations, freshening greatly over the south of England.

Barometer highest 30·2 in: and more to 30·0 in: (1) in a complex anticyclone over Russia, Poland, and the Baltic; (2) over the Iberian Peninsula. Lowest 29·3 in: and less to 29·6 in: in a very complicated set of disturbances over our Islands and the North Sea. Beginning to rise in Scotland later, but falling over England and the North Sea.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 27th April, 1899.

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.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29·78	28	NE	6	s	29·91	+·28	25	22	−10	N	4	b	*	s	*	36	25	0·16
	Hernösand ...	29·66	42	S	4	bc	29·92	+·18	35	31	−5	NE	4	bc	*	bc	*	46	32	0·04
	Stockholm ...	29·69	42	S	2	c	29·74	−·04	47	44	−3	E	4	o	*	c	*	55	34	−
	Wisby	29·69	45	S	4	r	29·72	·00	41	41	−7	WSW	4	f	*	r	*	55	36	0·04
	Karlstad ...	29·63	50	E	2	b	29·77	+·09	45	41	0	N	2	bc	*	b	*	*	*	−
	Bodö	29·83	39	N	6	c	30·03	+·36	30	29	−3	SE	2	b	1	c	*	36	25	−
	Christiansund ...	29·87	35	NNW	5	r	29·94	+·31	36	31	−9	ESE	6	c	4	r	*	45	36	0·12
	Skudesnaes ...	29·71	48	NW	2	b	29·82	+·27	44	42	−6	NNW	4	c	1	b	*	58	39	*
	Færder (Christiania Fjord)	29·63	50	NNW	1	o	29·76	+·14	44	41	+2	N	4	b	2	o	*	50	41	−
	Skagen (The Scaw)	29·64	45	NE	1	m	29·75	+·21	46	44	+2	N	2	o	0	m	*	50	43	0·04
	Fanö	29·69	45	NW	1	b	29·82	+·34	45	44	−1	NW	4	c	*	b	*	54	41	−
	Sumburgh Head	29·76	49	NW	1	bc	29·87	+·24	41	39	−9	E	3	r	4	b.bc	*	55	40	0·03
	Stornoway ...	29·76	52	ENE	3	b	29·79	+·16	47	46	−2	S	3	ow	3	b	12·7	58	37	−
	Wick	29·79	50	S	1	b	29·83	+·15	47	45	0	S	2	bc	1	b	*	55	35	−
	Nairn	29·76	54	E	1	b	29·83	+·19	45	45	0	N	1	o	1	b	*	55	35	−
	Aberdeen ...	29·78	51	NE	2	b	29·87	+·28	53	46	+5	S	2	bw	2	b q.b	12·0	56	35	−
	Leith	29·76	52	NNW	1	b	29·87	+·29	51	46	+1	E	1	bm	*	b	*	60	35	−
	Shields	29·73	47	NNW	3	c	29·90	+·39	47	44	+3	NNW	2	b	2	c	*	52	38	−
	Spurn Head ...	29·66	46	NNW	5	o	29·91	+·44	45	44	+1	NW	3	opd	3	o	*	48	43	−
	York	29·71	51	N	3	bc	29·92	+·42	48	45	+2	NNW	1	b	*	o,c	?	53	41	−
	Loughborough ...	29·73	52	NNW	3	o	29·93	+·40	46	43	−1	E	1	omw	*	gm.o.cm	*	52	41	−
British Isles.	Ardrossan ...																*			
	Malin Head ...	29·79	49	W	1	c	29·78	+·13	51	51	+4	SSW	2	or	2	o.c	*	51	45	−
	Belmullet ...	29·84	51	WSW	3	c	29·77	+·01	51	50	+1	SSW	2	r	*	o,c	*	53	45	0·07
	Donaghadee ...	29·78	53	NW	3	b	29·88	+·26	47	46	−1	S	3	c	3	b	*	53	40	−
	Liverpool (Bidston)	29·80	49	W	3	c	29·92	+·34	49	46	+2	W	0	b	?	c	*	52	44	−
	Holyhead ...	29·81	50	NNW	3	b	29·90	+·26	48	47	+1	S	3	om	2	c.b	*	52	44	−
	Parsonstown ...	29·83	54	W	1	o	29·88	+·11	51	48	+3	SE	1	o	*	c.o	3·8	56	46	−
	Valencia ...	29·83	54	W	1	ov	29·80	−·01	53	52	+3	S	3	gwr	3	cv	6·0	54	49	0·05
	Roche's Point ..	29·84	54	SW	4	c	29·86	+·07	51	51	+1	SSW	4	f	3	b.c.f	*	56	48	−
	Pembroke (St. Ann's Hd.)	29·89	49	NNW	4	bc	29·92	+·19	50	49	+3	W	2	bc	4	bc	12·5	52	46	−
	Scilly	29·89	51	WSW	2	o	29·90	+·11	51	51	+1	S	3	f	3	c.o	7·2	55	47	0·02
	Prawle Point ...	29·87	50	NW	3	b	29·97	+·23	49	46	+1	S	2	c	2	b	*	58	46	−
	Jersey (St. Aubin's)	29·89	53	W	5	bm	30·00	+·26	52	48	+1	W	3	c	3	bm	*	55	41	−
	Hurst Castle ...	29·80	54	NW	3	bcm	29·96	+·33	50	48	0	SSW	1	cm	1	c.bcm	*	55	42	−
	Dungeness ...	29·71	52	WNW	3	c	29·92	+·40	51	48	+3	N	2	bc	1	op.c	*	55	43	−
	North Foreland																*			
	London (Brixton) ...	29·74	53	NW	3	og	29·94	+·39	49	46	+2	S	4	m	*	o g.bc	2·4	55	43	−
	Oxford	29·82	51	W	3	o	29·96	+·37	46	44	−3	NE	1	om	*	o,b	*	55	39	−
	Cambridge ...	29·73	52	NW	1	o	29·95	+·42	47	45	−2	N	1	o	*	c.o	2·5	55	43	−
	Yarmouth ...	29·65	46	NW	4	og	29·89	+·43	47	45	−1	NNW	3	c	3	cp.og	*	49	44	0·01
Germany & Holland.	Cuxhaven ...	29·60	50	N	1	c	29·82	+·36	49	47	+5	N	1	bc	*	c	*	55	44	−
	Berlin	29·65	51	W	1	b	29·84	+·29	49	46	−3	W	1	b	*	b	*	57	45	0·12
	Wiesbaden ...	*	*	*	*	*	29·90	+·28	48	48	+1	NW	4	b	*	*	*	48	43	−
	Munich... ..	29·75	46	SW	4	o	29·94	+·20	43	41	−4	NW	4	o	*	o	*	52	39	0·12
	The Helder ...	29·62	48	W	1	c	29·84	+·43	49	47	+3	W	0	c	1	c	*	54	46	−
Belgium.	Brussels ...	*	*	*	*	*	29·90	+·44	45	45	+1	WSW	1	r	*	o	*	53	43	0·12
	Cape Gris Nez...	29·73	49	NW	3	m	29·88	+·45	46	44	0	N	2	bc	2	m	*	52	43	0·04
	Paris	29·82	52	NNW	4	b	29·97	+·37	48	46	0	W	2	m	*	b	*	57	47	0·08
	Brest	29·97	52	W	2	c	30·04	+·23	52	50	+4	S	2	o	2	c	*	58	46	−
	Lorient ...	29·95	53	W	5	c	30·00	+·23	51	49	+1	SW	1	o	2	c	*	59	48	−
France &	Rochefort ...	29·94	55	NW	4	c	30·07	+·23	53	51	−1	E	2	c	*	o, c	*	57	50	−
	Belfort	29·78	44	W	5	r	30·01	+·33	43	42	−1	SW	2	f	*	r	*	51	41	0·16
	Lyons	29·87	50	NNW	3	c	30·03	+·19	46	45	−1	NW	1	f	*	c.f	*	58	44	0·12
	Nice	29·52	60	NW	9	b	29·71	−·04	55	44	+4	NE	4	b	2	b	*	70	46	−
	Perpignan ...	29·90	60	NW	5	bc	30·01	+·06	56	51	−2	NW	3	b	*	bc	*	67	53	−
	Biarritz ...	30·02	57	W	5	r	30·04	+·02	56	55	−4	WSW	4	r	4	r	*	59	52	0·24
Peninsula.	Corunna ...																*			
	Lisbon	30·06	65	NNE	4	b	30·01	−·12	66	60	+4	NNE	3	b	*	b	*	79	59	−
	Azores (P. Delgada)	29·94	62	SW	4	b	29·98	+·03	61	57	−2	SW	4	bc	4	b	*	68	59	0·04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 7·8 hrs;

WEATHER CHARTS

FOR Thursday, 27th April, 1899.

BAROMETER, WIND AND SEA.

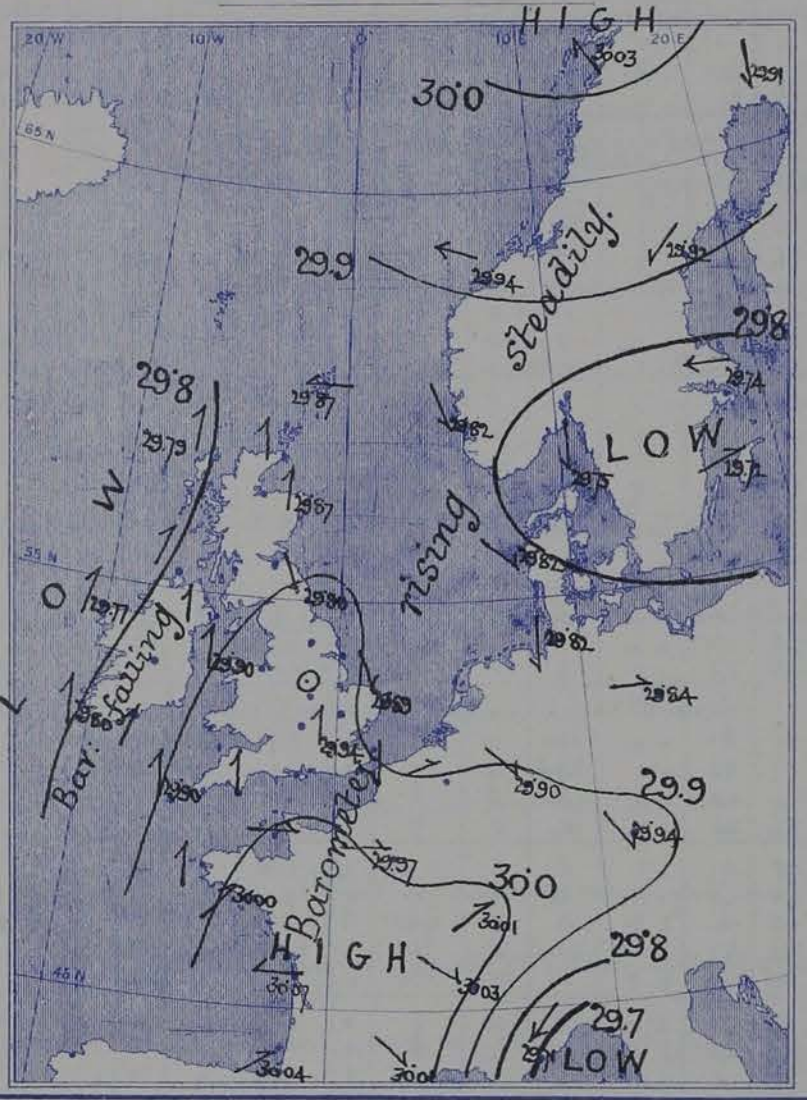
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ;

SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	*	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 · 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 · 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 · 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 · 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 · 0	37 · 5	78	1893	22	1881, 91	1 · 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 · 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 · 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872*	48 · 8	46 · 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 · 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 · 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 · 1	37
Cambridge	29 · 904	45 · 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 · 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 ins: and more to 29·9 ins: (1) over France and England, and (2) over the northern parts of Scandinavia.
Lowest, 29·8 ins: and less, (1) over Denmark and the south of Sweden, and (2) off the extreme western parts of Scotland and Ireland.
Gradients slight.
Barometer falling again in the west of Ireland.

TEMPERATURE

Highest, 56° to 50° in the west and south coasts of France, 53° to 50° in the south and west of Ireland, 49° to 51° in the south of England, 53° at Aberdeen.
Lowest (1) 25° at Haparanda, 30° at Bodö, 35° at Hernösand; (2) 41° at Lerwick Head, 45° at Spurn Head.
Maxima were recorded yesterday as high as 60° at Leith, and 55° to 58° in most other parts of our Islands, but minima of 35° occurred at many of the Scotch stations in the night, 38° at Shields and 39° at Oxford.

WIND

S. to W. light to moderate at our western and northwestern stations, NW. to N. over the North Sea, very faint and variable over Central England.

WEATHER

Fair in most places, but a little rain is falling in the west of Ireland, and haze is prevalent in certain parts of Great Britain.
Slight further showers have occurred at several of the Continental stations. Bright Sunshine recorded yesterday exceeded 12 hours at the Scotch stations and at Pembroke; in London the amount was 2·4 hours.

SEA

Moderate at Rockabill, Pembroke, and Lerwick Head, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showers are probable in Ireland and the Highlands of Scotland, fine and warmer weather over England and the southeast of Scotland.

FORECASTS

For the 24 hours ending at NOON on 28TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and SW. winds, freshening; some rain.
1	SCOTLAND EAST	Wind becoming S.; fair, warmer.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	Variable airs, hazy, fine; then S. and warmer.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S. and SW. winds, freshening; some rain. Milder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.64	58	49	SSE	2	b	2
Sumburgh Head	29.72	53	47	NW	1	b	4
Stornoway	29.71	58	51	S	2	b	2
Aberdeen	29.71	54	47	NNE	4	b q	4
Shields	29.64	49	46	N	2	c	3
Ardrossan							
Malin Head ...	29.75	50	50	NNW	3	o	2
Belmullet	29.82	53	50	W	2	o	*
Holyhead	29.76	51	49	NW	3	c	2
Valencia	29.86	53	49	W	2	cr	4
Scilly	29.88	54	52	W	1	o	3
Jersey	29.85	55	49	W	5	bc	4
Hurst Castle ...	29.75	53	49	WNW	3	c	3
Dungeness ...	29.66	51	50	WNW	3	cp	2
North Foreland							
London (Westminster)	29.67	54	50	NW	3	c q	#
Yarmouth ...	29.58	47	46	NW	4	c p	3
Rochefort ...	29.92	56	53	NW	5	o	#

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

Weather in morning improving over Ireland and Scotland, but in a disturbed condition over France, Germany and the North Sea: fine over Russia and also over the Spanish Peninsula. Snow reported at Bodö. Showers later at many of the Continental stations and at Sumburgh Head, and still later over some parts of the west of Ireland.

Temperature inclined to rise again over Ireland, rising over the eastern and central parts of the Continent. Morning readings highest (1) 66° at Algiers, 63° at Cagliari, and above 60° over the southern shores of the Mediterranean generally; (2) 54° to 50° in some part of Central Europe and the south of France, 50° in our southwest coasts. Lowest (1) 22° at Archangel, 29° at St Petersburg, and below 40° over the northern parts of Scandinavia and Russia generally. Rising later to between 55° and 60° in many parts of our Islands, to 57° at Paris and 70° at Nice.

Wind light and anticyclonic (1) over Russia and Eastern Europe; (2) over the Spanish Peninsula; cyclonic over northwestern Europe, being NW. strong over England, moderate to light over Ireland, SW over Holland; SE to NE in the south of Scandinavia. Falling light over England later, and beginning to back again in Ireland.

Barometer highest 30·2 in: and more to 29·9 in: in an anticyclone covering Russia and nearly the whole of Finland; (2) 30·1 in: and more to 29·9 in: over the Spanish Peninsula and southwestern Europe. Lowest below 29·5 in: in a depression over the North Sea. Rising in our Islands later as the eastern depression passed towards the south of Sweden and continued to fill up.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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 Friday, 28th April, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·00	24	NE	2	b	29·94	+·03	25	21	0	2	0	b	*	b	*	36	19	-
	Hernösand ...	30·06	30	2	0	0	29·96	+·04	30	29	−5	SE	2	0	*	0	*	41	28	-
	Stockholm ...	29·99	34	NE	2	b	29·95	+·24	39	36	−8	NE	2	b	*	b	*	48	32	-
	Wisby	29·94	37	NNE	4	0	30·00	+·28	39	37	−2	NNE	4	0	*	0	*	43	34	-
	Karlstad ...	29·94	44	ESE	2	bc	29·89	+·12	39	37	−6	SE	2	0	*	bc	*	*	*	-
	Bodö	30·01	30	NNW	2	c	29·86	−·17	30	28	0	E	2	S	1	c	*	36	25	-
	Christiansund ...	29·84	37	NE	4	b	29·78	−·16	36	33	0	N	3	0	4	b	*	39	36	-
	Skudesnaes ...	29·91	42	NNW	2	b	29·84	+·02	42	40	−2	S	4	0	2	b	*	48	36	*
	Færder (Christiania Fjord)	29·85	46	S	2	0	29·82	+·06	42	41	−2	S	2	m	2	0	*	50	39	-
	Skagen (The Scaw)	29·90	41	2	0	b	29·92	+·17	42	41	−4	N	3	m	0	b	*	?	39	-
	Fanö	29·99	42	NNW	4	0	29·99	+·17	45	43	0	N	1	b	*	0	*	50	41	-
	Sumburgh Head	29·83	41	E	1	c	29·61	−·26	45	45	+4	SW	1	0	4	0	*	45	41	0·08
	Stornoway ...	29·72	50	SW	3	0	29·60	−·19	48	47	+1	E	2	0	2	r.0	0·0	51	44	0·10
	Wick	29·77	46	S	2	m	29·61	−·22	51	49	+4	N	2	0	4	m	*	51	44	0·01
	Nairn	29·76	51	2	0	c	29·60	−·23	50	49	+5	2	0	0	0	c	*	55	43	0·15
	Aberdeen ...	29·83	45	S	3	c	29·62	−·25	52	50	−1	S	2	c	1	bog.c.r	11·2	56	44	0·09
	Leith	29·83	52	SW	1	r	29·66	−·21	53	51	+2	2	0	om	*	r	*	59	47	0·04
	Shields	29·84	48	SE	2	0	29·74	−·16	53	51	+6	SSW	3	c	2	0,r	*	53	45	0·03
	Spurn Head ...	29·90	46	SE	4	c	29·81	−·10	51	50	+6	SW	2	c	3	0,c	*	51	44	-
	York	29·89	51	ESE	1	0	29·79	−·13	54	52	+6	S	1	c	*	c.0	?	57	47	-
	Loughborough ...	29·89	58	ESE	1	c	29·84	−·09	52	50	+6	SE	1	om	*	c.omp	*	60	46	0·01
British Islands	Ardrossan ...																*			
	Malin Head ...	29·66	52	S	3	omr	29·59	−·19	53	53	+2	S	4	0q	2	r.0rm	*	53	50	0·16
	Belmullet ...	29·73	52	SSW	4	om	29·60	−·17	52	51	+1	WSW	4	c	*	0m	*	53	49	0·04
	Donaghadee ...	29·79	49	S	3	r	29·68	−·20	51	50	+4	SW	3	cp	3	r	*	53	45	0·05
	Liverpool (Bidston)	29·87	51	WNW	1	r	29·80	−·12	55	51	+6	SSW	1	0	1	0,r	*	58	49	0·01
	Holyhead ...	29·85	49	S	3	am	29·77	−·13	50	49	+2	S	3	0m	2	0m am	*	52	47	0·03
	Parsonstown ...	29·76	58	S	1	0	29·66	−·22	53	51	+2	SE	1	0	*	0r	0·0	58	50	0·05
	Valencia ...	29·76	54	S	2	0m	29·60	−·20	54	53	+1	S	4	0m	4	0m	0·0	56	51	0·29
	Roche's Point ..	29·81	52	SSW	4	f	29·69	−·17	52	50	+1	SW	5	bc	4	f.m	*	53	50	0·10
	Pembroke (St. Ann's Hd.)	29·87	50	SW	3	f	29·80	−·12	51	49	+1	SW	5	0q	4	f	1·2	52	49	0·02
	Scilly	29·89	54	SSW	3	f	29·81	−·09	54	52	+3	SSW	4	0	2	c	0·0	57	50	-
	Prawle Point .	29·94	49	S	1	f	29·90	−·07	51	50	+2	WSW	3	m	2	r.d	*	52	48	0·06
	Jersey (St. Aubin's)	29·98	54	SSW	4	0q	29·95	−·05	56	54	+4	SSW	3	c	3	cr.0pm	*	57	51	0·04
	Hurst Castle ...	29·96	52	SSW	2	c	29·91	−·05	51	51	+1	SW	2	f	2	c.f	*	55	46	0·01
	Dungeness ...	29·97	51	SSW	3	c	29·92	·00	51	51	0	SW	2	m	1	c	*	55	48	0·01
Germany & Holland	North Foreland																*			
	London (Brixton) ...	29·94	56	SW	1	0	29·90	−·04	53	52	+4	SW	2	0	*	gm,b,or	0·0	59	47	0·03
	Oxford	29·93	53	S	2	0	29·88	−·08	53	52	+7	WSW	2	0	*	c.0	*	62	46	0·01
	Cambridge ...	29·94	54	SSE	2	0	29·88	−·07	52	50	+5	SSW	2	0	*	c.0	1·7	59	45	-
	Yarmouth ...	29·94	48	SSE	3	bc	29·86	−·03	51	50	+4	SSW	3	cq	3	bc	*	51	44	-
	Cuxhaven ...	29·96	46	NNW	1	0	29·97	+·15	44	43	−5	S	1	0	*	0m	*	50	43	-
	Berlin	29·98	54	2	0	0	30·04	+·20	51	48	+2	2	0	b	*	0	*	63	45	0·28
	Wiesbaden ...	*	*	*	*	*	30·07	+·17	48	46	0	SW	4	0	*	*	*	?	?	-
	Munich... ..	30·10	44	W	4	c	30·13	+·14	45	44	+2	NW	1	m	*	c	*	54	36	0·04
	The Helder ...	29·97	48	2	0	c	29·94	+·10	50	48	+1	SSE	1	c	0	c	*	54	41	-
France & Belgium	Brussels ...	*	*	*	*	*	29·99	+·09	55	51	+10	S	2	0	*	b	*	55	42	0·04
	Cape Gris Nez...	29·97	51	SW	1	bc	29·92	+·04	51	49	+5	SW	2	0	3	bc	*	54	45	-
	Paris	30·02	57	2	0	b	30·03	+·06	50	47	+2	S	2	bc	*	b	*	62	42	-
	Brest	29·97	52	SW	1	c	29·92	−·12	52	51	0	SSW	2	0	3	c	*	54	48	-
	Lorient... ...	29·99	54	2	0	m	29·96	−·04	53	51	+2	2	0	0	4	m	*	57	51	-
	Rochefort ...	30·00	59	NW	2	c	29·99	−·08	54	52	+1	SE	1	0	*	c	*	68	50	-
	Belfort	30·08	49	N	1	m	30·11	+·10	44	43	+1	E	1	m	*	m	*	51	37	0·04
	Lyons	30·04	55	N	1	b	30·07	+·04	48	45	+2	N	1	b	*	b	*	59	41	-
	Nice	29·84	55	S	2	b	29·97	+·26	60	49	+5	E	1	b	1	b	*	66	50	-
	Perpignan ...	29·97	65	NW	3	b	30·03	+·02	58	55	+2	1	0	b	*	b	*	68	48	-
	Biarritz ...	30·02	59	N	3	b	29·95	−·09	54	53	−2	2	0	0	2	b	*	63	52	-
Peninsula	Corunna ...																*			
	Lisbon	29·99	64	NNW	5	b	30·06	+·05	61	57	−5	NNE	4	b	*	b	*	82	57	-
	Azores (P. Delgada)	30·12	59	ENE	4	bc	30·18	+·20	61	58	0	ENE	3	bc	2	bc	*	66	57	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

NOTE. *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 2·1 hrs;

WEATHER CHARTS

FOR Friday, 28th April, 1899.

BAROMETER, WIND AND SEA.

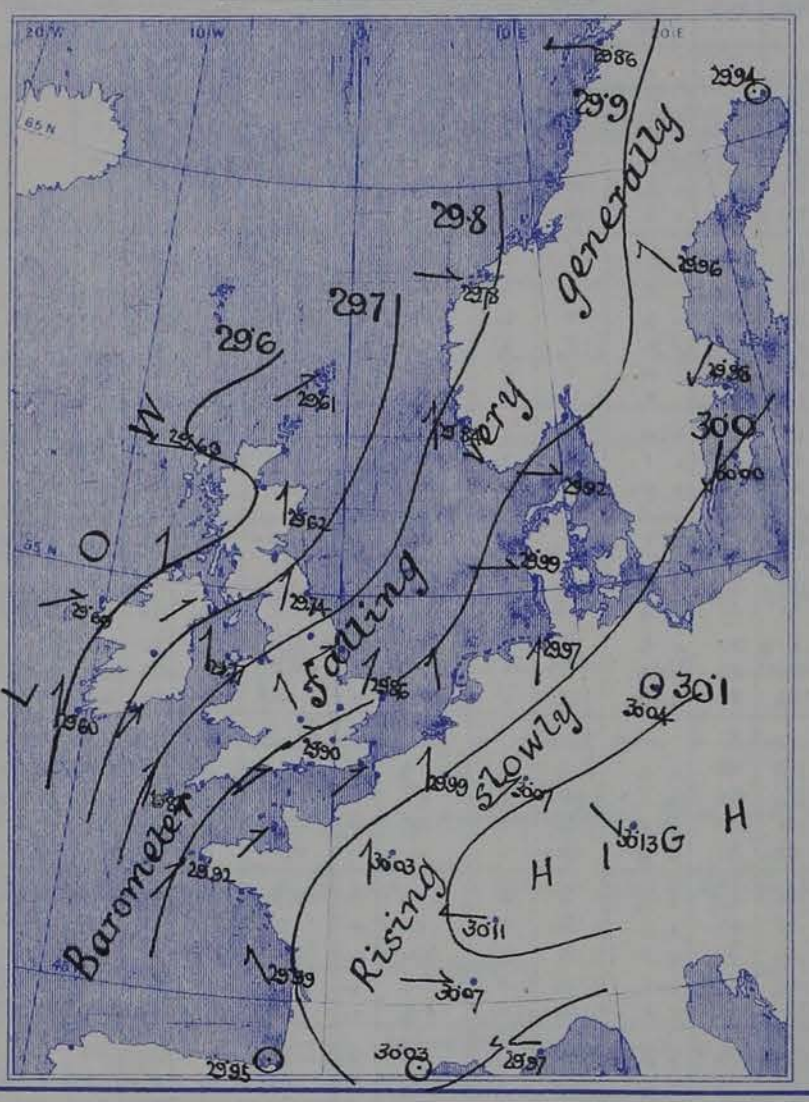
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶ ; Force 5 to 7 ⟶ : Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ :

SEA—Rough ▤ : High ▩

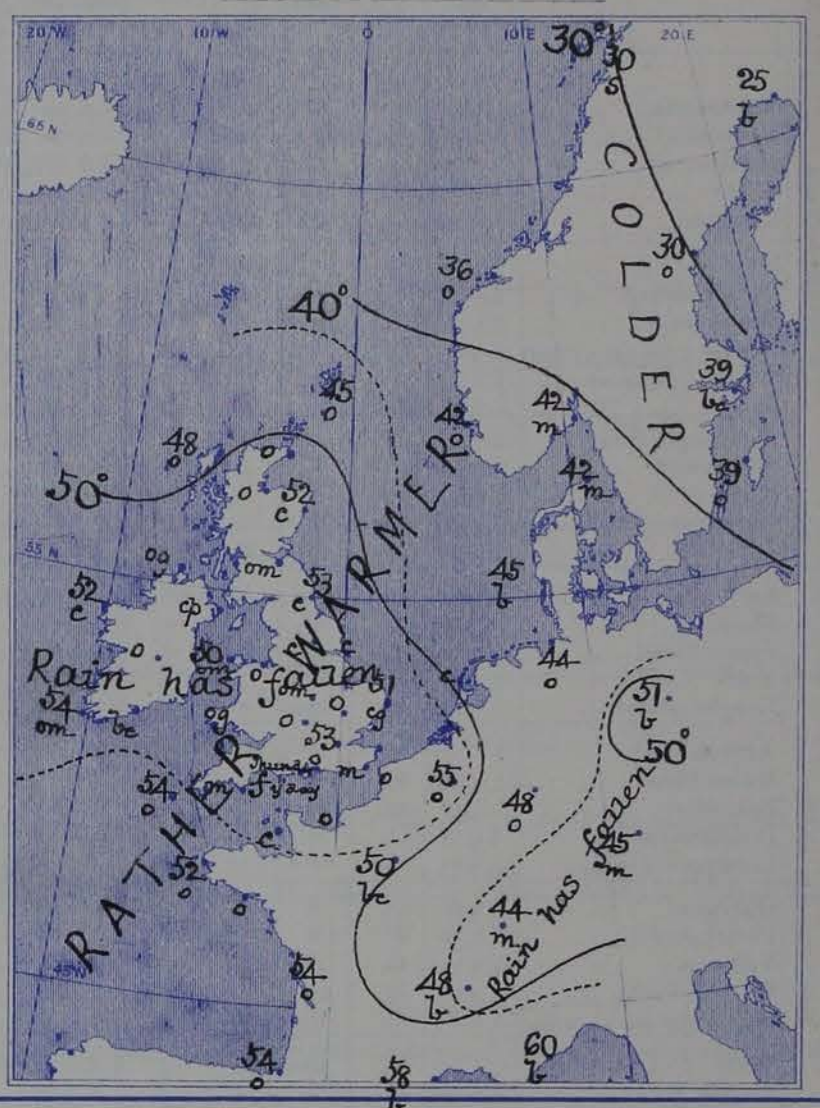


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF APRIL.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum	Years.		Hours.	Per cent. of possible
	(*Inches.*)	°	°	°	°					(*Inches.*)		
Sumburgh Head	29 · 860	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 · 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 · 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 · 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 · 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67	1885	30	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 · 0	37 · 5	78	1893	22	1881, 91	1 · 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81	1893	23	1891, 92	1 · 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 · 2	42 · 2	50 · 1	41 · 7							
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7					2 · 48		
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	51 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 · 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 · 9	52 · 3	41 · 1	69	1893	29	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	193 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 · 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 · 1	37
Cambridge	29 · 904	45 · 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 · 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and more to 30·0 ins: over Germany and nearly the whole of France, and exceeding 29·9 ins: on the south coast of England.
Lowest, 29·6 ins: and less, off the extreme west and northwest coasts of our Islands.
Gradients slight, but increasing in the west.
Barometer rising over Germany and France, falling over the western and northeastern parts of our Islands.

TEMPERATURE

Highest, 60° at Nice, 54° to 52° along the west coast of France, 54° at Valencia, Scilly and Nice, and above 50° at almost all our stations.
Lowest, 25° at Haparanda, 30° at Hernösand and Bodö, 39° at Stockholm, 42° at Skudesness.
It touched 62° at Oxford and 60° at Loughborough, and exceeded 55° over the major part of Great Britain, and reached 62° at Paris, 63° at Berlin, and 66° at Nice.

WIND

SW$^{\frac{1}{4}}$ to S^{1} on all our coasts — fresh at the western stations, light elsewhere.
Over Germany and France it is light and anticyclonic.

WEATHER

Fair, but hazy, at our southeastern stations, changeable in the west and north, with showers in places. In Germany and France it is fine; air is rather moist
Showers have fallen very generally in the southwest, northwest and north, fog has prevailed in the Channel, and thunder has occurred at Hurst Castle. Bright Sunshine recorded yesterday was 11·2 hrs at Aberdeen, 7 to 8·5 hrs on our southeast coast, but none at the Irish stations or in London.

SEA

Moderate in the extreme west and north, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some freshening of the Southerly and Southwesterly wind is probable in the west and northwest with showers.
Fair and warmer weather is probable over England.

FORECASTS

For the 24 hours ending at NOON on 29TH APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE$^{\frac{1}{4}}$ to S$^{\frac{1}{4}}$ winds, fresh, rainy.
1	SCOTLAND EAST	S$^{\frac{1}{4}}$ to SW$^{\frac{1}{4}}$ breezes, light; fair as a whole, milder.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S$^{\frac{1}{4}}$ and SW$^{\frac{1}{4}}$ breezes, freshening; milder, rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.88	48	44	NNW	4	b	1
Sumburgh Head	29.88	42	39	E	3	o	4
Stornoway ...	29.77	50	49	S	3	r	3
Aberdeen	29.86	50	45	SSE	4	bcq	3
Shields	29.89	49	47	E	2	o	3
Ardrossan							
Malin Head ...	29.73	50	50	S	3	r	2
Belmullet	29.75	53	52	SSW	4	om	*
Holyhead	29.89	52	50	SSW	3	om	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F	WEA.	SEA.
Valencia	29.79	52	54	S	2	o	3
Scilly	29.91	55	55	SSW	1	fc	3
Jersey	30.01	56	52	SSW	3	c	3
Hurst Castle ...	29.97	54	50	SW	3	c	2
Dungeness ...	29.98	54	52	SSW	3	c	2
North Foreland							
London (Westminster)	29.94	56	50	SE	1	bm	*
Yarmouth ...	29.95	49	47	NNE	2	bc	2
Rochefort ...	30.00	66	59	NW	2	c	*

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

Weather in morning fine (1) over Spain and France, (2) over Russia and North Germany; changeable over northwestern Europe, with showers in many places, fog in the southwest. Rain later on many parts of our northern, western, and southern coasts, fine weather over France, and also over Scandinavia.

Temperature risen decidedly over Finland. Morning readings highest 74° at Algiers, 65° to 60° at many of the Mediterranean stations, 66° at Lisbon, 53° at Valencia and Aberdeen, and above 50° on the Atlantic and Channel coasts of the British Islands, 49° at Berlin, 48° at Paris. Lowest 25° at Haparanda, 30° at Bodö, 35° at Archangel, Hernösand, and Moscow. Rising later to between 55° and 62° over Great Britain and Ireland, to 62° at Paris, 69° at Berlin, and 66° at Nice.

Wind (1) light and anticyclonic over Russia on the one hand and over the Iberian Peninsula on the other; (2) S. in Ireland the Irish Channel and Scotland, SE. in the northwest of Norway; cyclonic and strong over Italy and the eastern parts of the Mediterranean. No great change reported later.

Barometer highest (1) 30·2 in: and more to 29·8 in: over Russia; (2) 30·0 in: and more over Spain and the west of France and 29·9 in: and more over England. Lowest (1) 29·6 in: and less to 29·7 in: in a depression over the Adriatic and Italy; (2) 29·75 in: to 29·7 in: over the Baltic; (3) below 29·8 in: off our extreme west and northwest coasts. Falling later in our Islands, rising over Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 29th April, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperatures. Dry Bulb.	Temperatures. Wet Bulb.	Temperatures. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.74	24	S	0	0	29.10	-.24	25	23	0	N	2	c	*	0	*	32	14	0.04
	Hernösand ...	29.72	32	S	0	S	29.73	-.23	33	32	+8	S	0	0	*	S	*	34	23	0.16
	Stockholm ...	29.78	41	S	2	0	29.67	-.31	46	44	+7	SSW	2	0	*	0	*	48	28	-
	Wisby	29.89	39	S	4	b	29.78	-.22	49	46	+10	SSW	6	b	*	b	*	50	34	-
	Karlstad ...	29.76	43	SW	4	0	29.58	-.31	44	43	+5	SW	4	0	*	0.r	*	*	*	-
	Bodo	29.81	29	N	1	bc	29.80	-.06	30	27	0	ESE	4	c	1	bc	*	34	25	-
	Christiansund ...	29.74	34	NE	3	0	29.78	.00	35	33	-1	E	4	b	3	0	*	36	34	0.04
	Skudesnaes ...	29.63	43	SSE	6	r	29.59	-.25	42	42	0	NNW	4	c	2	r	*	43	41	*
	Færder (Christiania Fjord)	29.73	42	SW	6	r	29.55	-.27	43	43	+1	SW	4	f	4	r	*	43	41	0.12
	Skagen (The Scaw)	29.79	45	SSW	2	m	29.63	-.29	46	46	+4	SW	3	m	0	m	*	48	41	-
	Fanö	29.83	48	WSW	1	b	29.69	-.30	48	48	+3	W	2	c	*	b	*	52	45	-
British Islands.	Sumburgh Head	29.62	40	NE	5	0	29.73	+.12	38	36	-7	NE	5	csp	6	r.o	*	47	35	0.02
	Stornoway ...	29.60	44	ENE	7	r	29.70	+.10	43	40	-5	ENE	6	0	6	or	0.0	48	38	0.95
	Wick	29.62	48	SE	3	r	29.69	+.08	43	40	-8	NE	5	o	4	r	*	52	38	0.25
	Nairn	29.58	47	E	1	r	29.66	+.06	48	48	-2	ENE	3	r	3	r	*	52	47	0.64
	Aberdeen ...	29.54	56	SW	4	c q p	29.61	-.01	40	39	-12	NE	7	o g r q	5	c. q p	1.5	60	40	0.25
	Leith	29.59	57	WSW	3	0	29.52	-.14	44	43	-9	NE	3	r	*	0	*	60	43	0.10
	Shields	29.66	58	SSW	2	0	29.51	-.23	52	51	-1	SSW	3	r	2	c.o	*	62	47	0.07
	Spurn Head ...	29.73	52	SSW	3	0	29.57	-.24	51	50	0	SSW	4	0	3	c.op	*	62	47	0.01
	York	29.72	58	SSW	2	0	29.55	-.24	53	51	-1	S	1	0	*	c.o	?	61	48	0.01
	Loughborough ...	29.77	58	SSW	1	0	29.60	-.24	53	50	+1	SSW	3	c	*	o m c.o	*	60	49	
	Ardrossan ...																*			
	Malin Head ...	29.47	52	E	2	c p r	29.45	-.14	49	48	-4	NNW	3	c r m	2	c. t b r	*	55	48	0.32
	Belmullet ...	29.48	53	SSW	4	0	29.58	-.02	51	50	-1	NNE	4	bc	*	0	*	55	48	0.02
	Donaghadee ...	29.56	55	SW	5	b	29.44	-.24	51	51	0	WSW	3	c	3	b	*	56	48	0.21
	Liverpool (Bidston)	29.71	55	SSW	1	0	29.51	-.29	53	50	-2	S	2	r	2	o p	*	59	50	0.04
	Holyhead ...	29.67	50	SSW	4	f a p	29.48	-.29	50	49	0	SW	3	a m	2	a m f q p	*	54	48	0.05
	Parsonstown ...	29.53	56	SW	1	c	29.54	-.12	52	50	-1	W	1	0	*	c. o r	3.9	63	49	0.08
	Valencia ...	29.49	54	S	4	o g p	29.66	+.06	52	51	-2	W	5	c	5	o p	0.5	57	50	0.24
	Roche's Point ..	29.60	53	SW	5	g p	29.62	-.07	54	52	+2	W	4	bc	4	m, a	*	55	50	0.08
	Pembroke (St. Ann's Hd.)	29.71	50	SW	5	o	29.60	-.20	50	49	-1	W	6	o g	5	0	0.0	57	49	0.12
	Scilly	29.77	52	SSW	4	bc	29.75	-.06	53	52	-1	NNW	5	0	3	o p m. bc	3.4	57	51	-
	Prawle Point ..	29.82	50	SSW	4	0	29.74	-.16	50	49	-1	NW	5	c u	4	o. r m	*	53	48	0.03
	Jersey (St. Aubin's)	29.88	59	SSW	3	c g	29.86	-.09	52	52	-4	NW	3	o r m	3	c. o g l	*	62	51	0.11
	Hurst Castle ...	29.85	53	SW	3	0	29.75	-.16	52	50	+1	NW	5	c p m	3	o m. o	*	55	50	0.02
	Dungeness ...	29.86	51	SSW	3	f	29.76	-.16	51	49	0	SW	4	bc	4	c. f	*	56	49	-
	North Foreland																*			
	London (Brixton) ...	29.82	58	SW	2	0	29.72	-.18	55	52	+2	NW	3	c	*	o g, b, c	0.0	62	50	-
	Oxford	29.80	54	SSW	3	c	29.66	-.22	54	51	+1	SW	3	0	*	0	*	60	49	-
	Cambridge ...	29.80	58	SSW	2	0	29.67	-.21	55	52	+3	SSW	4	a	*	0	0.1	61	46	-
	Yarmouth ...	29.79	58	SW	2	c	29.66	-.20	55	55	+4	SW	3	c	2	c	*	58	49	-
Germany & Holland.	Cuxhaven ...	29.88	51	WSW	2	b	29.75	-.22	53	52	+9	SW	3	0	*	b	*	59	44	0.04
	Berlin	29.96	58	SE	1	b	29.87	-.17	50	47	-1	SE	1	c	*	b	*	66	45	-
	Wiesbaden ...	*	*	*	*	*	29.88	-.19	53	50	+5	S	2	c	*	*	*	64	45	-
	Munich	30.04	49	E	3	b	29.97	-.16	49	46	+4	SW	2	c	*	b	*	59	39	-
	The Helder ...	29.83	50	SW	2	0	29.72	-.22	51	49	+1	SW	1	b c	1	0	*	55	48	-
Belgium.	Brussels ..	*	*	*	*	*	29.82	-.17	52	51	-3	NW	1	0	*	0	*	61	50	0.24
	Cape Gris Nez .	29.88	55	SW	1	c	29.78	-.14	51	50	0	SW	4	c	4	c	*	57	48	-
	Paris ...	29.91	64	SW	2	b	29.93	-.10	52	50	+2	NW	2	m	*	b	*	63	50	-
	Brest	29.87	52	SW	2	f	29.89	-.03	53	52	+1	NW	4	0	4	f	*	55	50	-
	Lorient .	29.94	55	SW	3	0	29.95	-.01	54	52	+1	W	4	r	4	b	*	61	50	-
France &	Rochefort ...	29.96	57	NW	3	b	30.03	+.04	55	54	+1	W	4	0	*	0, b	*	66	52	-
	Belfort ...	29.93	59	E	1	c	29.93	-.18	48	46	+4	W	1	m	*	c	*	64	44	-
	Lyons ...	29.94	64	E	1	b	30.04	-.03	52	51	+4	NW	1	r	*	b	*	67	48	0.05
	Nice	30.00	59	N	0	b	29.95	-.02	59	50	-1	N	0	b	0	b	*	68	50	-
	Perpignan ...	29.99	59	W	2	0	30.10	+.07	57	52	-1	NW	2	b c	*	0	*	66	53	0.04
	Biarritz ...	30.02	57	W	4	0	30.12	+.11	57	56	+3	WSW	4	b c	2	o m	*	59	54	-
Peninsula.	Corunna ...																*			
	Lisbon	30.19	59	NNE	5	b c	30.19	+.13	61	55	0	NNE	5	b	*	b c	*	68	55	-
	Azores (P. Delgada)	30.23	62	SSW	3	c	30.18	.00	62	60	+1	S	4	0	3	c	*	66	61	-

For Explanation of Columns, see bottom of last page.

† *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

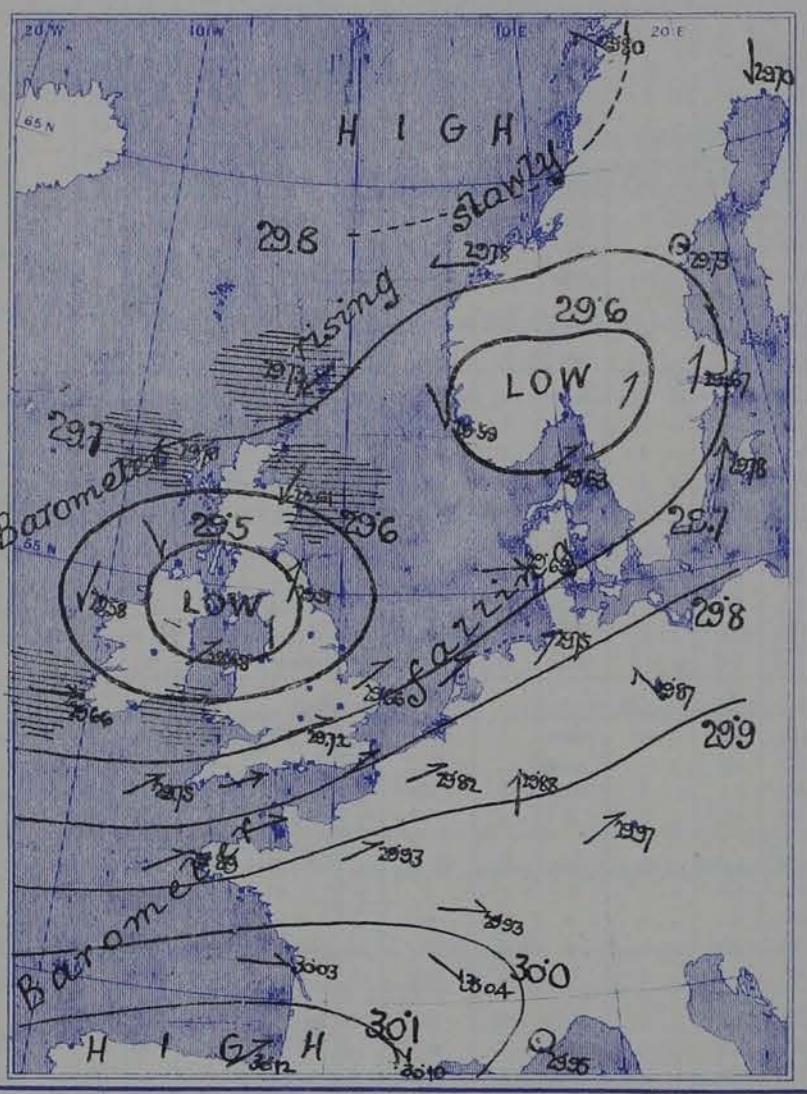
FOR Saturday, 29th April, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

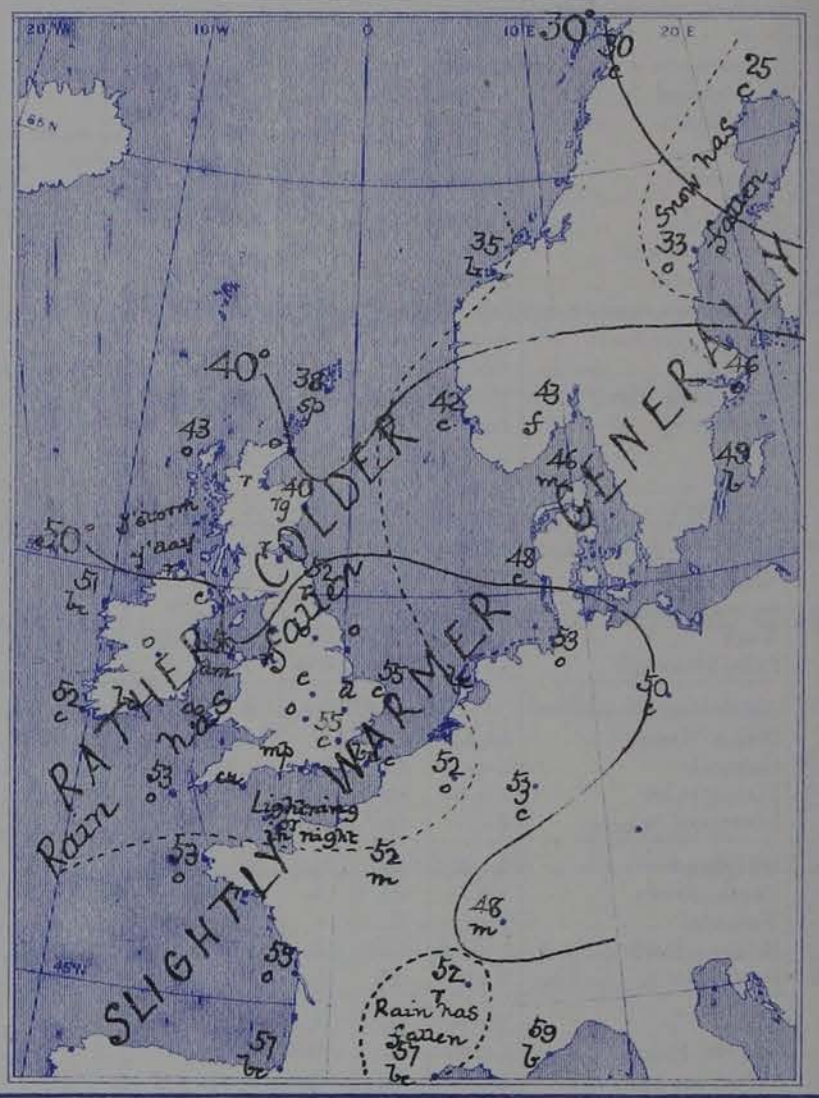
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ : *Force 8 to 10* ⟫⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those withow rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum	Years.		Hours	Per cent of possible
	(Inches.)	°	°	°	°					(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7	—	—	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	193·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·1 ins: and more over the Spanish Peninsula (2) 29·8 ins: at Bodö, and above 29·7 ins: in the Shetlands and Hebrides.
Lowest, 29·6 ins: and less: in a depression over the south of Norway, and below 29·5 ins: in another over the Irish Sea.
Gradients moderate, those for NE^{3} winds are becoming general.
Barometer has begun to rise in Scotland and Ireland, but is still falling over England and the Channel.

TEMPERATURE

Highest, 59° to 57° over the southern part of France, 52° at Paris, and above 50° over England and the greater part of Ireland, as well as in Holland.
Lowest, 25° at Haparanda, 35° at Christiansund, 38° at Lumburgh Head, 40° at Aberdeen, 43° at Stornoway.
It rose to between 60° and 62° over north-east coasts yesterday, as well as in the east of England and at Jersey.

WIND

(1) SW^{3} over England and the north of France, W^{3} over the greater part of Ireland
(2) NE^{3} over Scotland and the extreme north-west of Ireland
The NE^{3} current is reported to be very strong at Aberdeen and is spreading southwards slowly.

WEATHER

Fair, but changeable over this country and many parts of Ireland; showery and unsettled in Scotland.
Rainfall has been considerable in the north — nearly an inch at Stornoway. CO thunderstorm occurred at Malin Head last evening.
Bright Sunshine recorded yesterday was 3·9 hrs at Parsontown and 3·4 hrs: at Scilly, but was slight over the south-east of England. In London there was none

SEA

Rough in the north, moderate in the east, slight to smooth in the south

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noted above are moving south-eastwards, and cold showery, inclement weather is probable in their rear.

FORECASTS

For the 24 hours ending at NOON on 30th APRIL 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE^{4} winds, strong; squally, showery, colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Wind shifting to NE; colder, showery, inclement.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE^{4} to N^{4} winds; showery, squally, inclement.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	29.76	42	42	S	4	r	3	Valencia	29.54	54	53	S	5	p	5
Sumburgh Head	29.61	39	37	NE	4	r	5	Scilly	29.78	56	56	S	4	opm	2
Stornoway	29.59	47	46	E	3	r	3	Jersey	29.92	61	56	S	3	c	3
Aberdeen	29.58	59	54	SW	3	c	2	Hurst Castle	29.89	55	53	SW	3	cm	2
Shields	29.69	60	54	SSW	2	c	2	Dungeness	29.91	55	54	SW	3	c	2
Ardrossan								North Foreland							
Malin Head	29.54	54	54	NNW	2	c	1	London (Westminster)	29.86	63	55	SW	3	o	*
Belmullet	29.55	55	53	SSW	3	o	*	Yarmouth	29.83	57	54	SW	3	c	3
Holyhead	29.73	51	51	SSW	5	2m	4	Rochefort	29.96	60	57	NW	3	o	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. 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, 1899.

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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.88	21	NE	0	b	30.01	+ .31	24	21	— 1	N	2	b	*	b	*	32	19	—
	Hernösand ...	29.87	29	NE	0	bc	29.93	+ .20	31	29	— 2	N	4	c	*	bc	*	34	25	—
	Stockholm ...	29.67	34	NE	0	r	29.66	— .01	33	32	— 13	NE	6	o	*	r	*	54	32	0.20
	Wisby	29.67	50	S	4	r	29.60	— .18	49	49	0	S	4	r	*	r	*	59	36	—
	Karlstad ...	29.68	31	ENE	4	r	29.73	+ .15	30	27	— 14	NE	4	s	*	r	*	*	*	0.67
	Bodö	29.91	31	S	2	b	29.99	+ .19	27	24	— 3	E	4	b	1	b	*	39	24	—
	Christiansund ...	29.84	40	NE	4	b	29.96	+ .18	36	32	+ 1	ENE	2	b	3	b	*	39	32	—
	Skudesnaes ...	29.97	43	NNW	4	o	29.73	+ .14	43	40	+ 1	N	2	b	1	o	*	46	37	*
	Færder (Christiania Fjord)	29.63	38	NNE	6	o	29.72	+ .17	32	32	— 11	NNE	7	s	3	o	*	43	32	0.35
	Skagen (The Scaw)	29.59	43	NE	1	m	29.60	— .03	36	35	— 10	ENE	3	r	0	m	*	52	37	0.35
	Fanö	29.61	48	WSW	2	o	29.59	— .10	48	47	0	NNW	2	o	*	o	*	54	46	—
	Sumburgh Head	29.81	40	NNE	5	bc	29.99	+ .26	37	35	— 1	N	3	c	5	bc	*	45	33	0.01
	Stornoway ...	29.90	43	ENE	7	c	30.11	+ .41	42	37	— 1	NNW	2	bc	2		6.4	47	34	—
	Wick	29.83	42	NE	4	c	30.05	+ .36	41	37	— 2	N	3	o	2	c	*	47	30	0.02
	Nairn	29.86	42	E	4	r	30.09	+ .45	42	39	— 6	N	2	o	2	r	*	48	35	0.14
	Aberdeen ...	29.75	40	NNE	7	c gq	30.06	+ .45	41	36	+ 1	NW	5	bc pq	4	rs, c gq	0.0	42	35	0.09
	Leith	†29.44	44	NE	3	r	30.12	+ .60	51	43	+ 7	NNW	2	b	*	r	*	51	35	0.07
	Shields	29.64	40	NNE	5	r	30.08	+ .57	42	39	— 10	N	4	o	5	thr. h	*	55	37	0.43
	Spurn Head ...	29.51	50	W	4	c	30.02	+ .45	43	39	— 8	N	6	c	5	cb. th	*	56	38	0.17
	York	29.56	49	NNW	3	o	30.02	+ .47	42	39	— 11	NNW	2	bc	*	ct, op	?	59	36	0.31
	Loughborough ...	29.58	53	WNW	2	c	30.07	+ .47	45	40	— 8	N	3	bc	*	cp. cd. b	*	60	36	0.20
British Isles.	Ardrossan ...																*			
	Malin Head ...	29.78	43	NNE	5	o	30.12	+ .67	42	39	— 7	S	1	c	1	o	*	49	38	0.05
	Belmullet ...	29.86	48	N	3	o	30.11	+ .53	47	43	— 4	SE	3	o	*	o	*	52	43	0.01
	Donaghadee ...	29.71	45	ENE	5	cg	30.14	+ .70	44	39	— 7	ENE	3	b	3	cg	*	53	40	0.01
	Liverpool (Bidston)	29.62	50	W	3	o	30.12	+ .61	45	38	— 8	NNE	2	b	2	op	*	55	38	0.13
	Holyhead ...	29.66	50	NW	3	op	30.14	+ .66	45	41	— 5	NE	3	bc	2	op	*	56	41	0.01
	Parsonstown ...	29.77	53	NW	1	c	30.18	+ .64	46	42	— 6	NE	1	o	*	cp	4.0	59	39	0.16
	Valencia ...	29.86	53	WNW	5	cg	30.10	+ .44	53	50	+ 1	NNE	1	c	3	c. cg	2.6	55	49	—
	Roche's Point ..	29.79	56	NNW	5	b	30.12	+ .50	51	48	— 3	NNW	3	c	3	b	*	58	48	—
	Pembroke (St. Ann's Hd.)	29.72	51	WNW	6	bc	30.10	+ .50	49	46	— 1	ENE	3	b	4	bc	4.8	53	45	—
	Scilly	29.88	54	WSW	4	c	30.11	+ .36	53	50	0	WNW	2	c	3	c	6.1	50	50	—
	Prawle Point ...	29.80	52	W	5	c	30.08	+ .34	52	50	+ 2	NNW	2	bc	2	pq. c	*	54	49	0.09
	Jersey (St. Aubin's)	29.86	53	W	5	cmp	30.10	+ .24	54	52	+ 2	W	5	cw	4	cg. cmp	*	55	51	0.14
	Hurst Castle ...	29.74	52	WSW	5	cm	30.05	+ .30	49	44	— 3	NNE	4	bc	3	c. cm	*	54	47	—
	Dungeness ...	29.67	52	WSW	6	o	30.00	+ .24	45	43	— 6	NNW	5	o	4	c. o	*	56	43	—
	North Foreland																*			
	London (Brixton) ...	29.66	56	W	3	c	30.06	+ .34	44	39	— 11	NNW	3	o	*	cp	1.9	63	42	0.05
	Oxford	29.70	51	WSW	3	o	30.09	+ .23	45	40	— 9	N	3	b	*	op. b	*	57	41	0.02
	Cambridge ...	29.59	56	WSW	4	c	30.05	+ .38	45	41	— 10	NNW	3	bc	*	p. c	4.6	62	38	0.21
	Yarmouth ...	29.54	53	WSW	3	p	29.95	+ .29	43	39	— 12	NW	4	c	4	p.	*	59	41	0.42
Germany & Holland.	Cuxhaven ...	29.65	52	E	0	b	29.55	— .20	51	50	— 2	W	2	o	*	thr. r	*	57	48	0.63
	Berlin	29.71	59	E	0	o	29.65	— .22	53	50	+ 3	W	2	b	*	o	*	64	50	0.04
	Wiesbaden ...	*	*	*	*	*	29.78	— .10	52	50	— 1	SW	2	r	*	*	*	64	49	0.04
	Munich... ..	29.94	50	W	4	bc	29.90	— .07	46	44	— 3	W	6	r	*	bc	*	64	45	0.43
	The Helder ...	29.59	50	SW	3	o	29.76	+ .04	43	42	— 8	NNW	5	r	6	o	*	54	43	0.12
Belgium.	Brussels ...	*	*	*	*	*	29.89	+ .07	44	43	— 8	WNW	5	r	*	r	*	60	44	0.16
	Cape Gris Nez...																*			
	Paris	29.87	55	W	3	r	29.99	+ .06	52	50	0	WSW	3	o	*	r	*	62	50	0.24
	Brest	29.95	54	W	1	f	30.12	+ .23	52	49	— 1	NNW	3	o	4	f	*	54	48	0.08
	Lorient... ...	29.99	55	W	5	m	30.13	+ .18	52	51	— 2	W	4	c	5	m	*	59	50	0.08
France &	Rochefort ...	30.04	57	W	5	o	30.12	+ .09	55	54	0	NW	5	o	*	o	*	61	52	0.04
	Belfort	29.92	54	WSW	6	bc	29.95	+ .02	49	46	+ 1	W	5	o	*	bc	*	60	47	0.32
	Lyons	30.06	58	W	1	r	30.08	+ .04	55	48	+ 3	WNW	3	c	*	r	*	64	51	0.04
	Nice	29.91	55	E	2	bc	29.89	— .06	52	50	— 7	E	1	bc	1	bc	*	66	48	—
	Perpignan ...	30.10	68	W	3	b	30.15	+ .05	60	53	+ 3	NW	4	o	*	b	*	70	57	—
	Biarritz ...	30.16	60	W	3	b	30.23	+ .11	59	56	+ 2	W	3	o	2	b	*	63	55	—
Peninsula.	Corunna ...	30.28	61	S	4	b	30.25	+ .04	60	56	+ 5	NW	1	b	3	b	*	63	54	—
	Lisbon	30.13	62	N	4	b	30.09	— .10	65	56	+ 4	NNE	4	c	*	b	*	73	57	—
	Azores (P. Delgada)	30.13	63	SSW	4	bc	30.03	— .15	62	60	0	SSW	4	c	3	bc	*	68	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 1·8 hrs;

WEATHER CHARTS

FOR Sunday, 30th April, 1899.

BAROMETER, WIND AND SEA.

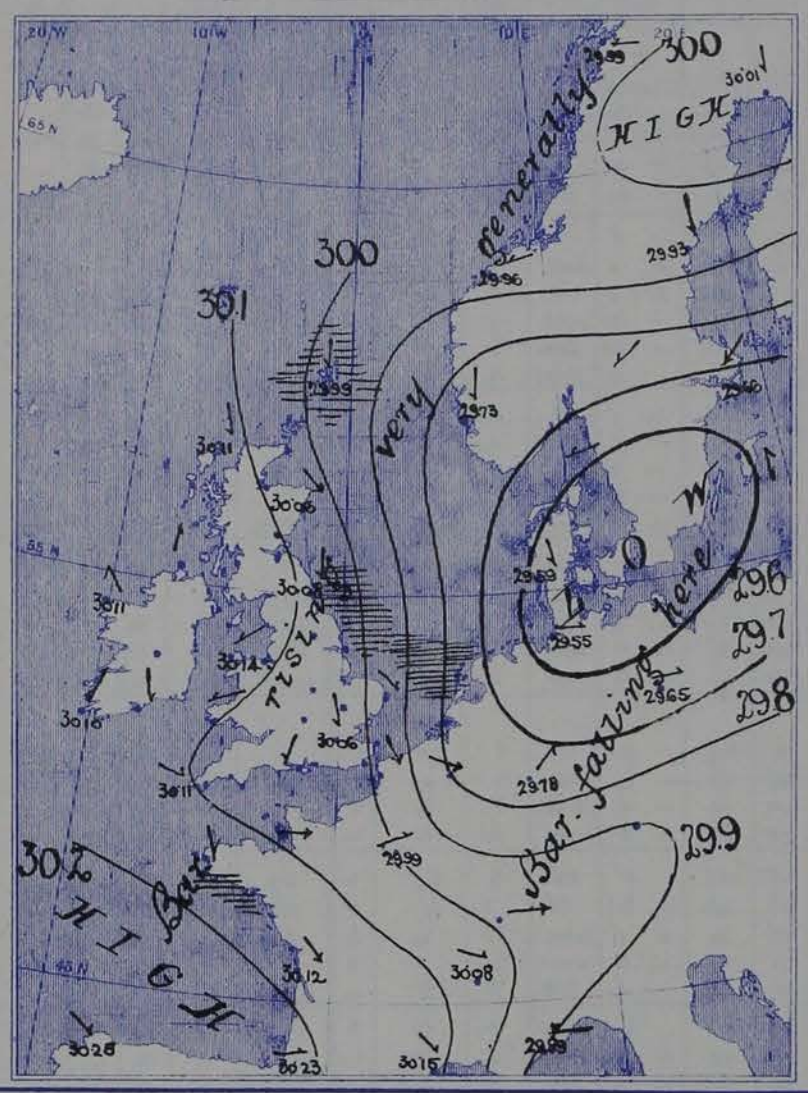
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

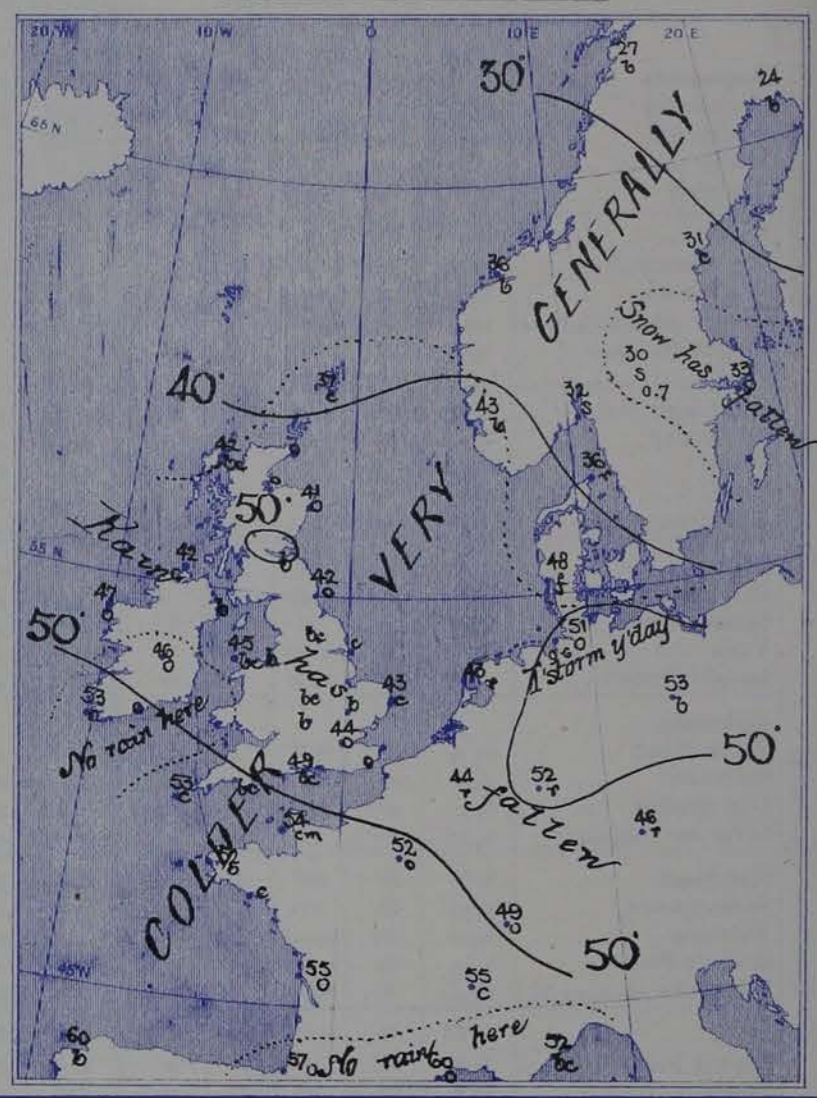


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those withow rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE Means, 1881—95	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible
	(Inches.)									(Inches.)		
Sumburgh Head	29·860	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	139·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51·4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52·2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7		—		—		—	—
Belmullet	29·863	46·5	44·3	52·2	42·7		—		—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	51·9	38·2	73	1893	21	1892	2·04	155·8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	196·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29·884	46·4	44·1	51·4	41·4	69	1873	25	1892	1·61	—	—
LONDON	29·901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157·7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·25 ins: at Coruna, and steading 30·15 ins: over the Bay of Biscay and north of Spain generally; (2) 300 ins: and more over Lapland.
Lowest, 29·6 ins: and less. over the south of Sweden, Denmark, and the western Baltic
Gradients slight over our Islands, steep over the North Sea. There is a shallow secondary disturbance over the west of England
Barometer rising in our Islands generally, most in the east.

TEMPERATURE

Highest, 65° at Lisbon, 59° at Biarritz, 54° at Jersey, 53° at Scilly and Valencia.
Lowest, (1) 24° at Haparanda, 32° at Tarder, 33° at Stockholm; (2) 40° to 45° over the major part of Great Britain, 43° at the Helder.
It has been as high as between 55° and 60° in many parts of England and Ireland, (62° in London temporarily in the morning) to 62° at Paris, 64° at Berlin, 66° at Nice and 73° at Lisbon.

WIND

N³ (NW to NE) over our Islands generally, and blow with moderate to rather fresh force on our east coast.
E¹ to N³ over Scandinavia, W² over the Netherlands and Germany, NW³ in France.
It has blown strongly at times on our northeastern and Eastern coasts during the past 24 hours.

WEATHER

Fair over our Islands generally, but sleet showers are reported at Aberdeen and Tarder, rain in the Netherlands.
Rainfall has been considerable over our northeastern and Eastern districts and at Cuxhaven. Thunder and lightning have occurred on our northeast coasts Yarmouth at Cuxhaven.
No Bright Sunshine was registered yesterday at Aberdeen; elsewhere it ranged from 1·9 hrs in London to 6·4 hrs at Stornoway.

SEA

Rather Rough in the north and east, slight to smooth in the west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 1st May. 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	NONE ISSUED.
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.58	46	43	NW	4	b	2
Sumburgh Head	29.78	39	37	NE	5	c	6
Stornoway	29.82	47	43	ENE	7	o	7
Aberdeen	29.72	39	37	NE	7	orsgq	6
Shields	29.50	47	47	N	2	r	2
Ardrossan							
Malin Head ...	29.63	43	42	N	5	rm	3
Belmullet	29.74	50	48	ENE	4	o	*
Holyhead	29.56	55	53	W	3	op	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.78	54	53	W	5	c	5
Scilly	29.82	55	53	WSW	4	c	3
Jersey	29.87	53	52	SW	5	o	4
Hurst Castle ...	29.73	53	51	SW	5	cm	3
Dungeness ...	29.70	54	53	SW	6	c	5
North Foreland							
London (Westminster)	29.64	56	53	WSW	5	op	*
Yarmouth ...	29.57	58	54	SW	4	p	3
Rochefort ...	30.08	59	55	W	5	o	*

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

Weather in morning fine over eastern, central, southern, and southwestern Europe, but dull and very unsettled in the northern and northwestern countries, rain in many places, equally in Scotland. Considerable rain later (and some sleet) in the eastern parts of Scotland and England and showers in the northeast and west; 0·6 in: of rain at Loudwater also and 0·3 in: at Belfast. Thunder and lightning in the northeast of England.

Temperature fallen decidedly in Scotland. Morning readings highest 70° at Algiers, 68° at Oran, 61° at Lisbon, 57° to 53° in the east of France, 52° to 51° in the west of Ireland, 50° at Berlin and Moscow. Lowest 25° at Haparanda, 33° at Hernösand, 38° at Sumburgh Head, 40° at Aberdeen, Reading 63° in London, 62° at Paris, 64° at Lyons and 70° at Nice later, but falling decidedly at our northern stations at night.

Wind (1) very light and variable over all the eastern, central, southern and southwestern countries; (2) SW³ to S³ over the south of our Islands and North Sea, Denmark, and the south of Sweden; (3) E³ and strong in the northwest of Norway; NE³, strong, in Scotland; N³ in the north of Ireland. The NE³ wind in Scotland continuing strong later and N³ breezes spreading to the north of England.

Barometer highest (1) 30·2 in: and more over the southern half of Russia; (2) 30·1 in: and more to 30·0 in: over the Iberian Peninsula and the southwest of France; (3) 29·8 in: and more off the northwest of Norway. Lowest 29·6 in: and less, in a depression over the south of Norway, and below 29·5 in: over the Irish Sea, the two forming distinct minima in a complex trough stretching from Ireland to the south of Scandinavia. Rising in Ireland and Scotland later as the disturbance moved eastsoutheastwards.

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 now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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PORTS FOR APRIL 1899.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
"	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
"	Dungeness	-	-	-	-	-	-	-	-	-	-	NNW	-	-	-	-	-	-	-	0.01
2	Leith	-	-	-	-	-	30.01	+.16	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
3	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Belmullet	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	48	-
"	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
5	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
7	Wick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-
10	Aberdeen 2pm	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-
11	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06
13	Nairn	-	-	-	-	-	29.07	-.54	-	-	-	-	-	-	-	-	-	-	-	-
14	York	29.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Jersey 2pm	-	-	-	-	-	29.16	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
16	Maparanda	29.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-
18	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-
"	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-
"	Dungeness	-	-	-	-	-	-	-	50	-	+ 9	-	-	-	-	-	-	-	-	-
19	Parsonstown	30.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.4	-	-	-
20	Belmullet	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	0.65
23	Prawle Point	-	-	-	-	-	30.20	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Wick	-	-	-	-	-	29.61	-.43	-	-	-	-	-	-	-	-	-	-	-	-
"	Spurn Head	-	-	-	-	-	29.78	-.42	-	-	-	-	-	-	-	-	-	-	-	-
"	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
"	Pembroke	-	7.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	45	-
25	Wick	29.50	-	-	-	-	29.39	-.22	-	-	-	-	-	-	-	-	-	-	-	-
"	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-
26	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.144
27	Pembroke	29.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Donaghadee	-	-	-	-	-	-	-	51	50	-	-	-	-	-	-	-	-	-	-
29	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09
"	Dungeness	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-
30	Leith	29.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	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.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
1	Coruna	30·26	62	NNW	3	c	30·18	−·16	57	53	+ 6	NW	1	c	2	c	–	64	50	–
2	The Helder	30·02	56	SW	2	b	30·03	−·02	44	–	+ 3	NNW	2	o	1	b	–	56	41	–
"	Azores (P. Delgada)	30·12	57	W	3	b	30·29	+·26	58	54	0	W	3	b	2	b	–	64	54	–
4	Coruna	30·32	57	N	4	b	30·42	+·12	50	47	− 5	N	1	f	2	b	–	59	43	–
"	Lisbon	30·22	68	NNW	2	b	30·24	+·03	70	60	+ 9	NNE	2	b	–	b	–	75	61	–
5	Coruna	30·41	58	N	4	f	30·42	·00	54	50	+ 4	NNW	1	f	2	f	–	59	46	–
"	Azores (P. Delgada)	30·52	60	NE	3	c	30·49	·00	59	54	+ 2	NE	3	c	2	c	–	68	55	–
6	The Helder	30·06	47	SW	3	o	29·95	−·02	46	–	− 1	NNW	3	b	3	o	–	52	45	0·04
"	Coruna	30·30	63	N	3	f	30·32	−·10	56	52	+ 2	N	1	f	4	f	–	64	48	–
7	Brussels	–	–	–	–	–	29·50	−·60	47	–	− 1	SW	6	o	–	o	–	58	45	0·16
"	Coruna	30·31	57	NW	1	f	30·34	+·02	57	52	+ 1	NNW	4	f	4	f	–	59	48	–
"	Azores (P. Delgada)	30·52	58	ENE	4	bc	30·51	+·01	59	55	0	NE	4	c	2	bc	–	66	57	–
8	Coruna	30·41	55	NW	4	b	30·40	+·06	54	48	− 3	NNW	3	bc	5	b	–	57	45	–
9	Brussels	–	–	–	–	–	29·86	+·23	41	–	− 1	NNW	4	r	–	r	–	46	35	0·20
10	Coruna	30·27	55	NNW	4	f	30·21	−·09	52	48	0	N	1	b	3	f	–	59	45	–
12	Brussels	–	–	–	–	–	29·83	+·21	39	–	− 4	W	3	bc	–	r	–	46	32	0·12
"	Coruna	30·12	57	NNE	4	bc	30·08	–	53	48	–	NNW	4	o	o	bc	–	57	53	–
13	The Helder	29·68	42	NW	1	o	29·53	−·13	41	–	− 1	S	1	b	1	o	–	45	30	0·04
"	Brussels	–	–	–	–	–	29·53	−·30	39	–	o	SSE	5	bc	–	b	–	47	32	0·04
"	Coruna	30·00	55	W	4	bc	29·80	−·28	55	53	+ 2	SSW	4	o	3	bc	–	57	48	0·20
"	Azores (P. Delgada)	30·43	58	NE	3	c	30·30	−·18	57	51	− 1	NW	3	o	2	c	–	66	55	–
14	Coruna	29·64	54	W	1	f	29·66	−·14	52	48	− 3	SSW	6	f	6	f	–	59	41	0·20
"	Lisbon	29·96	56	W	4	o	29·91	−·13	55	47	− 3	NNW	4	c	–	c	–	63	54	0·08
15	Haparanda	29·63	24	NW	4	bc	29·82	+·42	22	19	− 6	NW	4	b	–	bc	–	34	21	–
"	Hernösand	29·73	30	Z	0	c	29·79	+·22	33	32	+ 2	NE	2	o	–	c	–	45	30	–
"	Stockholm	29·74	37	NNW	2	b	29·71	+·07	38	35	+ 2	NE	4	b	–	b	–	45	30	–
"	Wisby	29·73	35	W	4	o	29·62	−·07	40	39	+ 4	SE	4	r	–	o	–	41	30	0·04
"	Karlstad	29·67	37	N	2	b	29·65	−·01	37	33	+ 4	NE	4	o	–	b	–	–	–	–
"	The Helder	29·06	44	SSW	4	o	29·22	+·26	43	–	− 1	SSW	5	r	1	o	–	46	44	0·12
"	Coruna	29·71	53	W	7	bc	29·75	+·09	48	45	− 4	W	7	r	5	bc	–	73	41	0·28
17	Coruna	29·99	55	NNW	3	m	29·96	+·05	48	45	− 5	SW	1	m	2	m	–	57	39	–
18	Coruna	29·92	53	NNW	8	o	30·08	+·12	56	48	+ 8	SSW	1	c	6	o	–	57	37	0·20
"	Azores (P. Delgada)	29·88	61	SSW	4	r	29·73	−·33	61	59	+ 2	WSW	4	o	5	r	–	64	59	0·43
19	Coruna	30·14	55	N	3	b	30·13	+·05	50	45	− 6	NE	1	b	2	b	–	57	39	–
"	Lisbon	30·17	53	N	4	b	30·15	+·06	53	50	− 2	NE	3	o	–	b	–	64	48	–
"	Azores (P. Delgada)	29·81	61	WSW	4	bc	29·91	+·18	60	58	− 1	W	4	c	3	b	–	63	59	–
20	Coruna	30·11	59	N	1	m	30·08	−·05	58	53	+ 8	NNW	1	c	2	m	–	66	50	–
21	Coruna	30·10	59	NW	1	c	30·15	+·07	57	55	− 1	WSW	3	o	2	c	–	61	50	–
22	Coruna	30·17	58	NNW	3	o	30·22	+·07	57	54	0	W	1	o	2	o	–	59	52	0·08
"	Azores (P. Delgada)	30·08	61	WSW	4	o	30·06	−·02	62	62	0	SSW	4	o	4	o	–	64	61	0·12
24	Coruna	30·21	64	NNW	1	bc	30·07	−·15	63	59	+ 4	NW	3	r	2	bc	–	68	55	0·20
25	The Helder	29·73	51	SW	1	o	29·48	−·50	48	—	− 2	E	1	r	1	o	–	59	45	0·16
"	Coruna	30·06	61	W	4	f	30·14	+·07	57	55	+ 6	W	1	r	2	f	–	68	50	0·24
26	Brussels	–	–	–	–	–	29·46	−·22	44	–	− 4	WSW	3	r	–	o	–	58	44	0·12
"	Coruna	30·17	59	W	4	f	30·10	−·04	59	56	+ 2	WSW	1	r	0	f	–	63	52	–
27	Coruna	30·14	61	W	3	f	30·06	−·04	60	58	+ 1	NNW	1	r	5	f	–	64	54	–
28	Coruna	30·05	59	NW	3	b	30·04	−·02	57	54	− 3	NW	1	r	2	f	–	61	52	–
29	Coruna	30·09	60	NW	4	f	30·21	+·17	55	52	− 2	W	1	r	3	f	–	68	52	–
30	Cape Gris Nez	29·69	51	W	4	o	29·92	+·14	46	–	− 5	N	5	r	2	o	–	54	41	0·04