12586

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1897.

DAILY WEATHER REPORT.

January to June 1897.

Wyman and Sons, Cr Lith London 5718/97

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 1st May, 1897.

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 ...	29.66	39	SW	0	c	29.54	-.25	37	37	- 1	WSW	2	f	*	c	*	45	28	0.24
	Hernösand ...	29.64	34	S	4	f	29.54	-.22	42	41	- 2	S	4	fc	*	f	*	54	32	-
	Stockholm ...	29.75	49	SW	0	b	29.65	-.20	50	51	+ 2	SE	2	c	*	b	*	61	43	0.04
	Wisby	29.82	49	SSW	4	b	29.68	-.21	54	51	- 2	S	4	b	*	b	*	57	45	-
	Karlstad ...	29.67	50	S	2	c	29.55	-.25	47	46	- 1	SE	2	of	*	c.r	*	*	*	0.12
	Bodö	29.43	43	SW	0	0	29.28	-.24	41	39	- 2	NW	1	r	1	0	*	46	39	0.24
	Christiansund ...	29.34	44	NE	1	r	29.54	+.02	42	40	- 5	W	5	r	4	r	*	47	39	0.59
	Skudesnaes ...	29.57	43	WSW	2	0	29.62	+.01	43	41	0	W	2	c	2	r.0	*	45	37	*
	Færder (Christiania Fjord)	29.63	46	S	2	m	29.54	-.23	44	44	0	NNW	1	r	2	m	*	46	41	0.08
	Skagen (The Scaw)	29.65	47	SW	1	bc	29.53	-.27	49	47	+ 2	S	1	m	0	bc	*	59	45	-
	Fanö	29.63	46	SSW	3	b	29.56	-.26	43	42	- 4	NW	6	0	*	b	*	54	43	0.04
British Islands.	Sumburgh Head	29.47	44	WNW	3	b	29.64	+.24	42	39	- 2	NNW	1	bc	3	c.b	*	48	36	-
	Stornoway ...	29.65	46	NNW	4	bc	29.68	+.20	44	44	+ 1	W	4	r	4	p.c.bc	10.7	48	38	0.04
	Wick	29.58	45	NW	3	bc	29.69	+.24	46	44	+ 1	NW	3	bc	2	sp.bc	*	48	34	0.05
	Nairn	29.61	51	NNW	2	c	29.79	+.31	47	44	+ 2	W	2	b	1	c	*	52	36	0.02
	Aberdeen ...	29.59	43	SSW	1	bc	29.77	+.27	46	41	+ 1	WNW	2	bc	1	pri.bc	3.3	48	36	0.39
	Leith	29.61	46	NW	2	r	29.81	+.26	45	41	- 3	WSW	3	b	*	r	*	58	37	0.07
	Shields	29.59	49	WNW	3	c	29.83	+.24	46	42	- 2	NW	3	b	2	p.c	*	55	37	0.02
	Spurn Head ...	29.61	48	WSW	3	c	29.82	+.15	46	44	- 5	NNW	4	bc	3	cp	*	51	41	0.07
	York	29.61	51	W	3	b	29.86	+.20	46	42	0	NNW	1	b	*	p.b	3.2	54	37	0.06
	Loughborough ...	29.68	48	W	1	c	29.88	+.15	46	43	- 5	WNW	2	bw	*	of.cp.b	*	52	38	0.12
	Ardrossan ...	29.63	51	W	3	b	29.84	+.28	46	45	- 1	SW	2	b	2	bc.b	*	55	39	0.02
	Malin Head ...	29.74	45	NNW	5	bcq	29.84	+.25	46	45	+ 2	SW	3	cp	2	o.bcq	*	46	40	0.09
	Belmullet ...	29.88	50	NNW	4	b	29.94	+.21	50	46	+ 3	?	3	o	*	b	*	50	40	0.03
	Donaghadee ...	29.71	47	NW	5	bcwp	29.90	+.26	49	46	+ 3	W	4	b	2	c.hail	*	51	42	0.16
	Liverpool (Bidston)	29.68	47	W	5	o	29.90	+.22	47	43	+ 1	WNW	3	b	3	p	*	50	43	0.04
	Holyhead ...	29.73	47	NW	3	cp	29.93	+.24	49	46	+ 3	NW	3	bc	2	bc.cp	*	52	43	0.01
	Parsonstown ...	29.82	50	NW	2	c	29.97	+.24	49	45	+ 2	W	1	b	*	cp	7.2	53	35	0.06
	Valencia ...	29.94	50	NNW	5	bcq	30.02	+.20	50	45	+ 1	S	1	c	2	bcq	9.3	52	42	-
	Roche's Point ..	29.86	52	NNW	5	b	30.05	+.24	50	46	+ 1	NW	3	b	3	pq.b	*	53	40	-
	Pembroke (St. Ann's Hd.)	29.79	49	WNW	4	b	29.99	+.21	48	46	+ 1	NNW	4	b	4	b	7.5	50	43	-
	Scilly	29.87	51	WNW	5	c	29.98	+.12	50	46	- 1	N	3	bc	2	cp.c	3.7	53	46	0.01
	Prawle Point ...	29.80	49	W	4	0	29.97	+.10	50	47	0	N	3	bc	2	op.c	*	51	38	0.03
	Jersey (St. Aubin's)	29.84	50	W	5	otm	29.97	+.04	50	46	- 4	WNW	3	bc	3	b.pm	*	58	46	0.03
	Hurst Castle ...	29.74	51	W	3	c	29.92	+.04	49	45	- 2	NW	4	bc	2	tm.c	*	54	39	0.10
	Dungeness ...	29.69	50	SW	4	r	29.85	-.01	48	45	- 4	NNW	4	bc	3	b.r	*	56	38	0.05
	North Foreland	29.68	52	SW	3	r	29.84	-.05	46	44	- 7	NW	4	c	3	c.r	*	62	44	0.13
	London (Brixton) ...	29.69	49	WNW	2	c	29.88	+.04	46	42	- 9	NNW	1	bc	*	bc.or.b	3.5	60	37	0.18
	Oxford	29.73	46	WSW	2	c	29.90	+.11	46	43	- 4	NNW	2	bc	*	cp	*	53	37	0.04
	Cambridge ...	29.67	48	NW	1	0	29.87	+.08	47	45	- 4	NNW	2	b	*	o.r	0.2	55	38	0.20
	Yarmouth ...	29.64	49	WNW	3	tm	29.78	-.01	47	45	- 6	NW	4	c	3	r.rm	*	54	44	0.33
Germany & Holland.	Cuxhaven ...	29.71	57	N	1	r	29.60	-.29	48	47	- 5	NW	4	o	*	r	*	64	46	0.24
	Berlin	30.00	58	SW	1	b	29.67	-.23	59	56	+ 1	SW	3	c	*	b	*	73	54	0.04
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29.89	60	SE	2	b	29.87	-.26	60	58	+ 2	SW	5	bc	*	b	*	72	54	-
	The Helder ...	29.64	52	SW	2	bc	29.74	-.10	47	44	- 2	NW	1	bc	1	bc	*	57	46	0.04
Belgium.	Brussels ...	*	*	*	*	*	29.83	-.10	48	45	- 8	NNW	2	o	*	o	*	64	44	0.16
	Cape Gris Nez ...	29.73	50	W	4	r	29.82		46	43		N	4	m	4	r	*	55	43	0.12
	Paris	29.81	57	SSW	2	bc	29.92	-.07	49	46	- 6	WNW	2	bc	*	bc	*	70	46	0.63
	Brest	29.91	50	W	3	o	29.99	+.03	48	46	- 4	N	1	b	1	o	*	57	45	-
	Lorient	29.91	54	NW	5	o	29.97	+.02	48	46	- 3	NNE	3	b	3	o	*	63	45	-
France &	Rochefort ...	29.98	59	WNW	4	o	29.99	-.03	52	51	- 7	N	4	o	*	r.o	*	68	50	0.39
	Belfort	29.91	62	SW	1	o	29.81	-.20	53	51	- 2	WSW	6	o	*	o	*	69	51	0.16
	Lyons	29.95	64	S	2	o	29.90	-.15	54	53	- 6	SE	1	r	*	r.o	*	72	52	0.04
	Nice	30.08	59	ENE	0	c	29.89	-.30	57	56	0	E	2	c	0	c	*	68	50	-
	Perpignan ...	30.00	60	E	2	0	29.92	-.19	58	57	- 3	NE	2	o	*	o	*	66	55	-
	Biarritz ...	30.00	60	W	3	0	29.93	-.04	57	55	- 7	N	3	r	2	o	*	68	55	-
Penin-sula.	Corunna ...																*			
	Lisbon	29.96	57	NNW	5	bc	29.91	-.14	59	54	0	NNW	5	b	*	bc	*	70	54	-
	Azores (P. Delgada)	30.23	56	NNE	4	bc	30.21	-.01	56	51	- 1	N	4	bc	2	bc	*	61	54	0.16

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.*

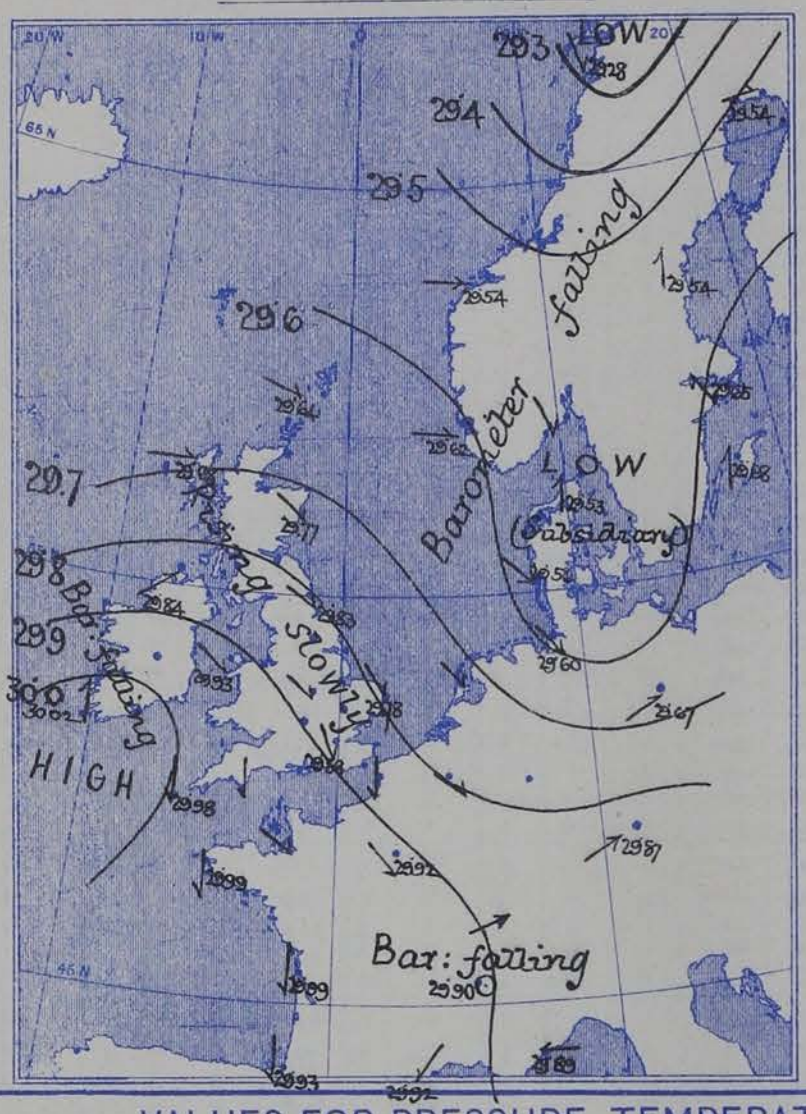
Bright Sunshine yesterday Southport 7.6 hrs;

WEATHER CHARTS

FOR ..... Saturday, 1st May, ... 1897.

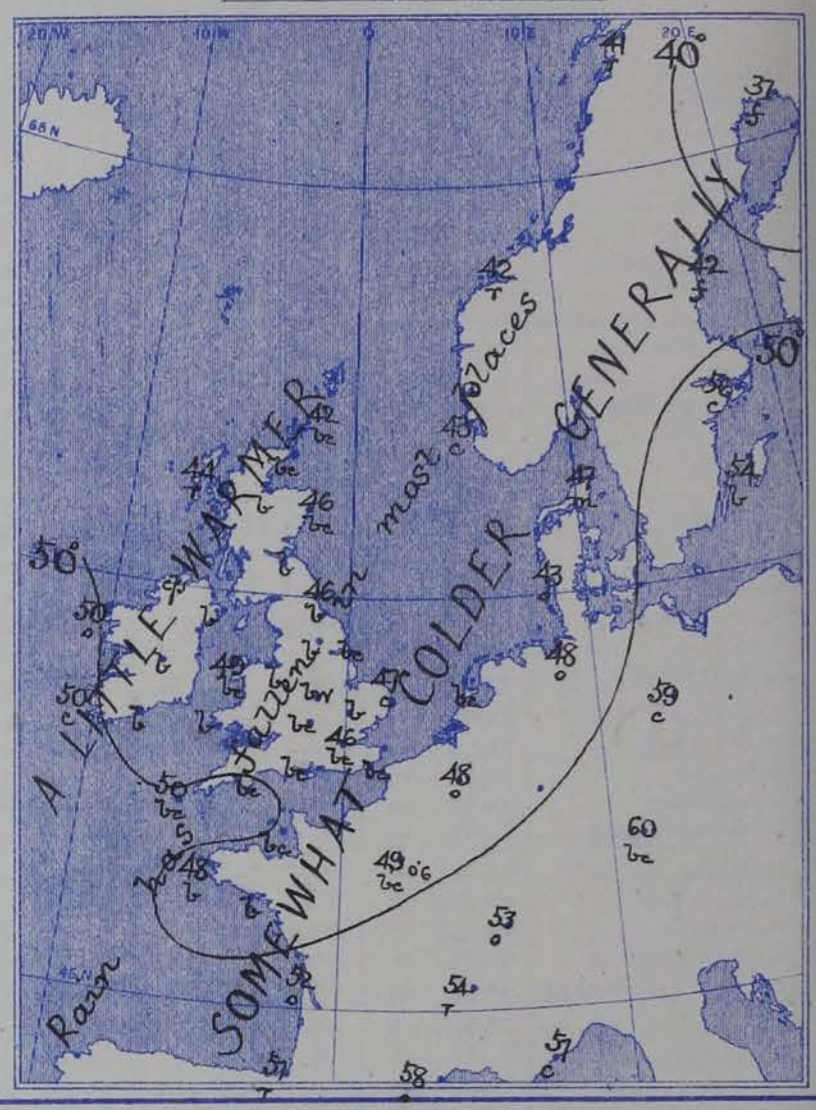
BAROMETER, WIND AND SEA.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 in: and more over the south of Ireland, and exceeding 29·8 in: all over Ireland, England, France, and South Germany.
Lowest, Below 29·3 in: over the western parts of Lapland, and below 29·6 in: in a secondary disturbance over Denmark.
Gradient slight. Distribution anticyclonic over our Islands.
Barometer began to fall again in the west of Ireland, but rising over Great Britain and France.

TEMPERATURE

Highest, 60° at Munich, 59° at Berlin, 56° at Stockholm.
Lowest, 37° at Haparanda, 42° at Sumburgh Head, 46° over the inland parts of England.
The highest of the maxima recorded yesterday were 58° at Leith, 60° in London, 62° at the Nash Foreland, 70° at Nairn, 72° at Lyons and Marseilles, and 73° at Berlin.

WIND

(1) NW^{3} on the eastern shores of the North Sea, but S^{3} in the south of Sweden.
(2) NW^{1} to W^{3}, and light over our Islands as a whole, but SW^{3} again in the west of Ireland.

WEATHER

Very fine, but not settled over the greater part of our Islands and France, becoming dull and showery in the west and north of Ireland.
Rain fell yesterday except at our extreme southwestern stations, but the largest amounts recorded in our Islands were 0·39 inch at Aberdeen and 0·33 in: at Yarmouth; hail fell at some northern stations.
Bright Sunshine recorded yesterday was 10·7 hrs at Stornoway, 9·3 hrs at Valencia (Ireland), about 7·5 hrs at Pembroke and Southport, 3·5 hrs in London.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A "ridge" is now moving over our Islands from the westward causing fine bright weather, but in its rear SW^{3} to S^{3} winds are likely to reappear, with a rise of temperature, and probably rain again.

FORECASTS

For the 24 hours ending at NOON on 2ND MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^{3} and S^{3} winds, freshening; rainy at times.
1	SCOTLAND EAST	NW^{3} to SW^{3} winds, light; fine today, less settled tomorrow.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as Nos 1 and 2.
5	ENGLAND SOUTH	NW^{3} winds, light, fine; SW^{3} tomorrow, and probably less fair.
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	Wind backing towards S. again; fine at first, showers later. Warmer.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No 0.
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	44	44	SSE	6	rf	5	Valencia	29·88	52	46	nw	5	bcq	5
Sumburgh Head	29·41	45	42	wnw	3	c	3	Scilly	29·84	51	49	w	4	cp	3
Stornoway	29·57	47	46	nw	3	c	3	Jersey	29·86	57	53	wsw	5	b	4
Aberdeen	29·54	45	42	S	1	c	1	Hurst Castle ...	29·77	51	50	sw	5	rm	3
Shields	29·58	54	48	sw	3	p	2	Dungeness ...	29·74	55	52	sw	5	b	4
Ardrossan	29·59	51	49	SSW	2	bc	2	North Foreland	29·72	60	56	sw	4	c	3
Malin Head ...	29·65	45	43	nw	5	o	3	London (Westminster)	29·71	55	53	sw	3	or	*
Belmullet	29·83	50	48	nnw	4	bc	*	Yarmouth ...	29·67	54	51	wsw	4	r	4
Holyhead	29·70	50	47	w	4	bc	3	Rochefort ...	29·93	60	60	nnw	2	r	*

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

Weather in morning very fine over Russia, central, and southeastern Europe, as well as at most of the Mediterranean stations, cloudy and somewhat unsettled over the British Islands and their neighbourhood, with rain at some stations. Fog in the west of Norway. Rain falling later in almost all parts of our Islands and northwestern Europe — heavily at Paris and at Christiansund; hail and sleet at some of our northern stations.

Temperature risen over the eastern parts of England and many parts of the Continent, fallen a little in Ireland. Morning readings highest 74° at Algiers, 71° at La Calle, and exceeding 60° at many of the Mediterranean stations and at Biarritz; 56° to 59° over the greater part of Central Europe, 54° at Stockholm, and exceeding 50° in the south and east of England. Lowest 38° at Archangel and Haparanda, 43° at Stornoway, 45° on the northeast coast of Scotland. Rising later to 58° at Leith and Jersey, 62° at the North Foreland, 70° at Paris, and 73° at Berlin, but not touching 50° in the north of Scotland or at Malin Hd.

Wind very light and anticyclonic over the Mediterranean, and the whole of southwestern, southern, and eastern Europe; moderate from the W.ᵗʰ over the western parts of the British Islands, and from S. and SW. in the east and over the North Sea. Shifting to W. and NW. over the United Kingdom later and blowing freely at the western stations.

Barometer highest 30·2 in: and more over the Adriatic, Italy, and the eastern parts of the Mediterranean, and exceeding 30·0 in: over all the southern and eastern parts of the Continent. Lowest below 29·4 in: over the Shetland Islands, and below 29·6 in: all over Scotland and the west of Norway. Rising later over the British Islands, but falling over France and the countries lying to the eastward of 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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DAILY WEATHER REPORT

for 8 a.m. on Sunday 2nd May, 1897.

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 ...	29.62	36	WSW	2	f	29.67	+ .13	37	37	0	2	0	r	*	f	*	43	36	0.12
	Hernösand ...	29.63	37	S	2	f	29.66	+ .12	38	38	— 4	2	0	f	*	f	*	46	30	0.16
	Stockholm ...	29.65	46	2	0	f	29.73	+ .08	51	50	— 5	S	2	0	*	f	*	56	43	0.08
	Wisby	29.68	51	SSW	4	b	29.80	+ .12	46	44	— 8	W	4	b	*	b	*	59	41	0.08
	Karlstad ...	29.60	50	W	2	0	29.69	+ .14	46	45	— 1	SSW	2	0	*	0.r	*	*	*	—
	Bodö	29.54	39	SW	6	0	29.38	+ .10	45	39	+ 4	ESE	4	0	1	0	*	45	36	0.08
	Christiansund ...	29.55	42	2	0	b	29.28	— .26	46	43	+ 4	2	0	0	3	b	*	46	41	0.04
	Skudesnaes ...	29.51	43	2	0	b	29.60	—.02	43	42	0	SSE	1	0	4	b	*	48	37	*
	Færder (Christiania Fjord)	29.62	46	NW	1	bc	29.67	+ .13	45	43	+ 1	SSW	5	b	3	b	*	46	43	0.12
	Skagen (The Scaw)	29.64	43	2	0	b	29.71	+ .24	43	40	— 6	W	3	bc	0	b	*	50	39	0.08
	Fanö	29.78	43	WNW	4	b	29.82	+ .16	45	42	+ 2	W	4	b	*	b	*	48	43	—
British Islands	Sumburgh Head	29.43	44	SSW	4	0	29.36	— .38	44	41	+ 2	W	4	c	5	0	*	48	39	0.02
	Stornoway ...	29.41	48	SW	6	0	29.24	—.39	45	44	+ 1	WSW	6	rq	7	ow	1.7	49	32	0.10
	Wick	29.47	48	SW	4	0	29.33	— .36	42	42	— 4	W	6	0	3	0.p	*	52	40	0.08
	Nairn	29.54	49	SSW	3	c	29.38	—.41	45	44	— 2	SW	3	r	2	c	*	51	40	0.05
	Aberdeen ...	29.62	51	SW	3	c	29.43	— .36	51	44	+ 5	W	5	bcq	2	eq.c	8.7	54	46	—
	Leith	29.71	50	W	4	0	29.52	— .29	48	45	+ 3	WSW	3	0	*	0	*	56	44	0.02
	Shields	29.80	53	WSW	3	c	29.58	— .25	54	50	+ 8	SW	4	c	2	c	*	58	44	—
	Spurn Head ...	29.85	48	S	4	b	29.74	— .08	51	49	+ 5	WSW	4	b	4	b	*	51	41	—
	York	29.87	53	W	2	b	29.72	— .14	49	45	+ 3	SW	2	0	*	b	10.8	58	42	—
	Loughborough ...	29.90	57	WNW	1	bc	29.81	—.07	48	44	+ 2	SW	3	c	*	bc	*	59	40	—
	Ardrossan ...	29.74	48	SSW	2	0	29.55	— .29	49	48	+ 3	SW	4	bc	3	0	*	49	45	0.01
	Malin Head ...	29.68	49	SW	5	c	29.53	— .31	45	45	— 1	SW	4	c	3	c.p	*	50	44	0.40
	Belmullet ...	29.80	50	WSW	4	0	29.67	— .27	49	46	— 1	W	7	or	*	bc.0	*	52	45	0.03
	Donaghadee ...	29.82	52	WSW	5	c	29.63	—.27	49	45	0	WSW	4	c	2	c	*	56	45	—
	Liverpool (Bidston)	29.90	51	W	2	bc	29.72	— .18	50	46	+ 3	SW	4	0	3	bc	*	53	45	—
	Holyhead ...	29.90	48	SW	4	c	29.73	— .20	48	48	— 1	SW	5	pw	4	bc.c	*	54	45	0.03
	Parsonstown ...	29.89	50	W	1	0	29.73	—.24	48	46	— 1	W	1	0	*	b.o.r	4.7	54	46	0.03
	Valencia ...	29.95	51	SW	3	om	29.81	—.21	49	48	— 1	W	4	o3m	4	v.om	3.7	53	48	0.03
	Roche's Point ...	29.96	51	WSW	3	bc	29.80	—.25	52	50	+ 2	WSW	4	o	4	bc	*	54	46	—
	Pembroke (St. Ann's Hd.)	29.98	49	W	4	b	29.84	—.15	49	49	+ 1	SW	5	oq	4	b	13.6	50	46	—
	Scilly	30.03	51	W	2	b	29.92	—.06	52	48	+ 2	WSW	4	c	3	b	13.5	53	45	—
	Prawle Point ...	29.98	52	NW	3	bc	29.95	—.02	48	45	— 2	W	4	b	3	bc	*	55	41	—
	Jersey (St. Aubin's)	30.01	51	WNW	3	b	29.99	+ .02	51	47	+ 1	WSW	3	bc	3	b	*	55	38	—
	Hurst Castle ...	29.95	52	WSW	4	b	29.93	+ .01	49	47	0	WSW	3	b	2	b	*	51	41	—
	Dungeness ...	29.92	50	WSW	2	bc	29.91	+ .06	51	49	+ 3	WSW	4	c	3	bc	*	50	44	—
	North Foreland	29.94	51	E	1	bc	29.91	+ .07	52	49	+ 6	W	3	bc	2	bc	*	55	42	—
	London (Brixton) ...	29.91	53	WNW	2	bc	29.92	+ .04	51	45	+ 5	WSW	2	b	*	c.bc	11.0	59	37	—
	Oxford	29.94	51	WSW	3	bc	29.87	—.03	50	45	+ 4	SW	3	c	*	bc	*	59	39	—
	Cambridge ...	29.91	55	WSW	1	b	29.87	.00	48	46	+ 1	SW	3	bw	*	b	10.6	59	36	—
	Yarmouth ...	29.88	49	ENE	3	bc	29.82	+ .04	49	45	+ 2	W	4	b	3	bc	*	50	40	—
Germany & Holland	Cuxhaven ...	29.80	47	NW	3	c	29.88	+ .24	47	46	— 1	WSW	3	bc	*	c	*	50	41	—
	Berlin	29.76	51	NW	5	r	29.93	+ .26	45	42	— 14	NW	3	c	*	r	-	63	45	0.16
	Wiesbaden ...	*	*	*	*	*	29.99		47	44		N	2	c	*	*	*	51	45	0.08
	Munich	29.86	46	NNW	6	r	29.98	+ .11	44	42	— 16	W	4	c	*	r	*	68	41	0.87
	The Helder ...	29.88	47	NW	1	bc	29.84	+ .10	50	48	+ 3	SW	4	b	1	bc	*	50	45	—
Belgium	Brussels ...	*	*	*	*	*	29.98	+ .16	48	45	0	SW	2	b	*	b	*	54	36	0.04
	Cape Gris Nez ...	29.92	51	W	1	m	29.91	+ .09	49	48	+ 3	W	3	bc	2	m	*	55	41	—
	Paris	29.96	52	N	3	b	30.00	+ .08	45	44	— 4	NE	1	b	*	b	*	51	38	—
	Brest	29.93	52	N	1	b	30.03	+ .04	46	44	— 2	NE	1	bc	1	b	*	54	39	—
	Lorient	29.98	55	NE	3	b	29.98	+ .01	44	43	— 4	NE	3	b	2	b	*	64	41	—
France &	Rochefort ...	29.91	60	N	4	bc	29.92	—.07	49	46	— 3	ENE	4	b	*	bc	*	68	47	—
	Belfort ...	29.96	43	W	2	c	30.01	+ .20	39	39	— 14	ESE	1	f	*	c	*	55	33	0.08
	Lyons ...	29.93	51	NNW	1	0	29.94	+ .04	46	42	— 8	NNW	2	b	*	0	*	60	40	0.12
	Nice	29.80	57	2	0	0	29.70	— .19	57	55	0	2	0	c	2	0	*	72	54	—
	Perpignan ...	29.82	62	2	0	0	29.85	— .07	55	54	— 3	2	0	0	*	0	*	64	54	0.12
	Biarritz ...	29.89	57	NE	4	r	29.88	— .05	55	54	— 2	NE	2	0	2	r	*	59	54	0.32
Peninsula	Corunna ...																*			
	Lisbon	29.97	56	W	2	b	29.95	+ .04	59	53	0	N	1	bc	*	b	*	64	52	—
	Azores (P. Delgada)	30.24	57	NNE	4	c	30.18	— .03	59	.56	+ 3	NNW	4	0	2	c	*	61	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 13.1 hrs;

WEATHER CHARTS

FOR ..... SUNDAY, 2ND MAY, ... 1897.

BAROMETER, WIND AND SEA.

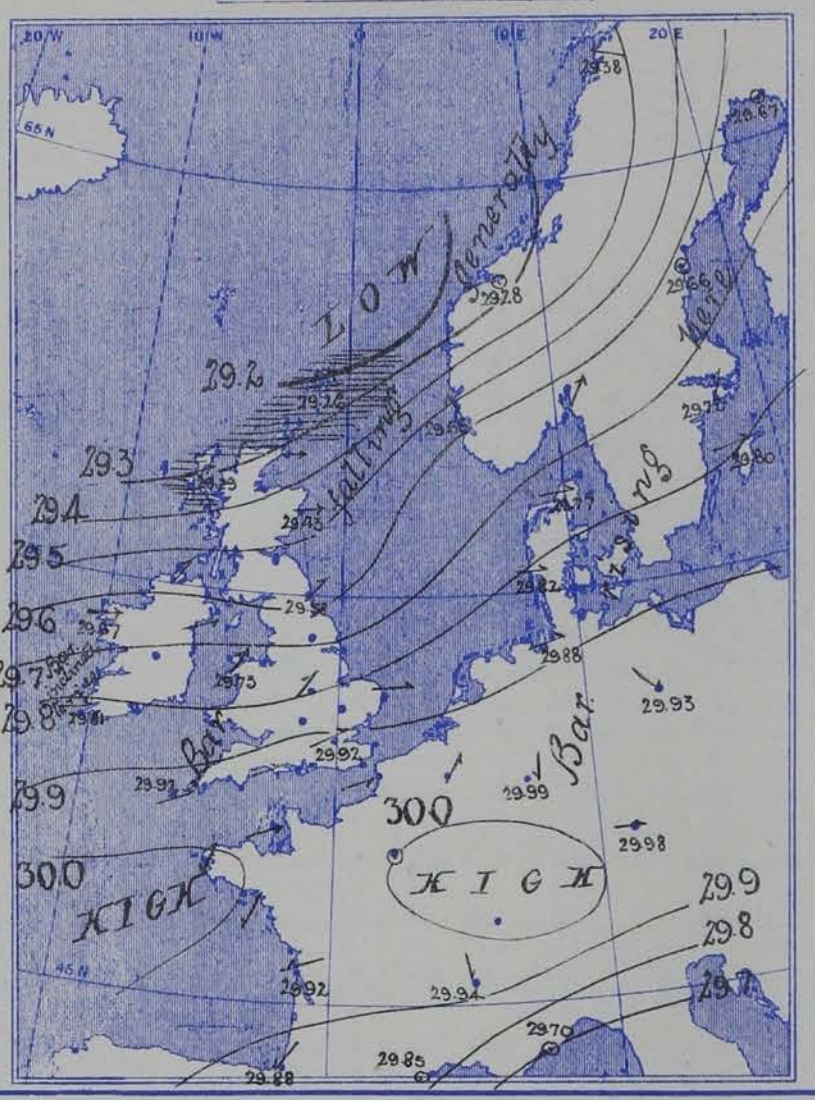
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▓

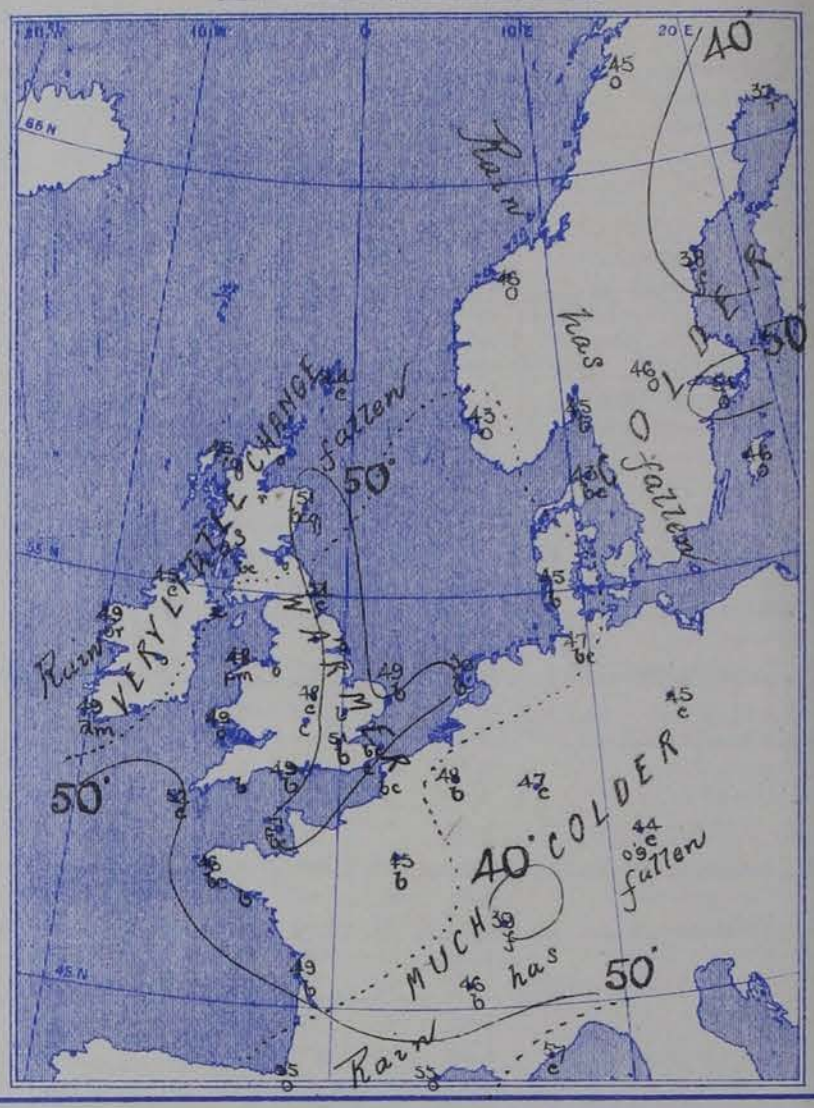


TEMPERATURE & WEATHER.

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 MAY.*

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 , 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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: in a complex anticyclonic band covering the Bay of Biscay, France and Germany.
Lowest, 29·3 ins: and less. over the Hebrides, Shetlands and west of Norway.
Gradient moderate for W. winds over our Islands and for S. and SE. winds over Scandinavia.
Barometer rising fast over Germany and the Baltic, falling over the British Islands generally, most in the north.

TEMPERATURE

Highest, 51° to 55° in the south of France, 52° at Scilly and Rochefort, 51° at Dungeness, Aberdeen, and Stockholm, 50° at the Helder.
Lowest, 37° at Haparanda, 38° at Hernösand, 42° at Wick, 45° at Nairn and Malin Head.
It did not quite touch 60° at any of our stations nor over the northern half of France yesterday, but rose to 63° at Berlin, 65° at Munich, 68° at Rochefort, and 72° at Nice.

WIND

W. to SW. in direction, moderate to fresh in force all over our Islands and the eastern shores of the North Sea, but SE. along the west coast of Norway, and blowing very strongly at Skudesnes.
Over France and Germany it is light and anticyclonic.

WEATHER

Dull and showery over the northwestern and northern parts of our Islands and over Scandinavia, fine and bright over the greater part of England, France, and Germany.
Some rain has fallen over Scandinavia, and the north and west of our Islands, and larger quantities over Germany and the south of France; at Munich the fall amounted to 0·67 in: and at Biarritz to 0·32 in:.

SEA

High in the Minch, rather rough at Cumbrugh Head, moderate at our northern stations, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 3rd May. 1897.

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 ...	29.69	48	44	NW	6	c	2
Sumburgh Head	29.56	45	42	SSW	3	o	4
Stornoway	29.55	49	48	SW	6	ou	7
Aberdeen	29.69	50	45	SSE	4	cq	3
Shields	29.83	51	51	SW	3	c	2
Ardrossan	29.81	48	48	S	2	o	2
Malin Head ...	29.78	50	48	SW	4	o	3
Belmullet	29.88	51	49	WSW	5	bc	*
Holyhead	29.95	51	48	SSW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.00	52	47	SW	4	ov	2
Scilly	30.03	52	48	NW	2	b	2
Jersey	30.02	54	48	N	3	b	3
Hurst Castle ...	29.96	55	50	SW	2	c	2
Dungeness ...	29.92	59	47	NNW	2	bc	1
North Foreland	29.94	53	51	NW	2	bc	2
London (Westminster)	29.92	57	49	NW	2	c	*
Yarmouth ...	29.87	50	46	NNE	4	bc	3
Rochefort ...	30.00	?	59	N	3	bc	*

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

Weather in morning fine over Russia and southeastern Europe, cloudy and unsettled over Scandinavia, the Baltic, the eastern shores of the North Sea and Central Europe, with rain in several places, as well as on our extreme west and northwest coasts, fine over the north and west of France, England, and the east of Ireland, (fall large at Munich). Rain later over the southern parts of France, central and northern Europe, and some showers falling in the north and west of the United Kingdom, fine over England and the north of France.

Temperature falling decidedly over England and France, rising somewhat over the northern half of Russia. Morning readings 70° at Hfax, 60° at more at many of the Mediterranean stations, 59° at Berlin, 56° at Stockholm and St Petersburgh. Lowest 37° at Haparanda, 41° at Archangel and Bodö, 42° at Christiansund and Sumburgh Head, 45° at Leith. Touching 59° in several parts of Great Britain later, 63° at Berlin, 68° at Munich, and 72° at Nice; very cold in the Hebrides and Shetlands at night.

Winds cyclonic SE? and S? over Sweden and the Baltic but not strong, NW? over the North Sea; anticyclonic from SW. to NW. over the British Islands, N? over the Channel and Bay of Biscay, E? in the south of France. The SW? wind on our extreme western coasts freshening later, and spreading eastwards and northwards – falling almost calm over the east of England.

Barometer highest 30·1 ins: to 29·9 ins: over Russia, Southeastern, and Central Europe, and 30·0 ins: and more to 29·8 ins: over our Southwestern districts, the Bay of Biscay, and the western parts of France and Spain. Lowest, below 29·3 ins: over the western parts of Lapland, and about 29·5 ins: in a secondary depression over Denmark. Rising over France, England, and the North Sea later, but beginning to fall again in Ireland and the west 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.

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, 3rd May, 1897.

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 ...	29.72	38	SSW	2	[illegible]	29.76	+.09	40	38	+ 3	SSW	4	b	*	[illegible]	*	45	34	-
	Hernösand ...	29.67	38	S	4	b	29.78	+.12	41	39	+ 3	S	6	bc	*	b	*	41	34	-
	Stockholm ...	29.87	47	SW	2	b	29.93	+.20	49	46	- 2	SW	2	o	*	b	*	57	43	-
	Wisby	29.89	47	WSW	2	bc	29.95	+.15	46	42	o	NNE	4	r	*	bc	*	54	41	-
	Karlstad ...	29.80	46	SSW	2	c	29.83	+.14	46	43	o	SSW	4	bc	*	c	*	*	*	-
	Bodö	29.45	45	NW	1	c	29.48	+.10	48	43	+ 3	E	2	bc	1	c	*	50	39	-
	Christiansund ...	29.38	45	SW	5	o	29.51	+.23	45	42	- 1	WSW	2	c	4	o	*	46	41	0.12
	Skudesnaes ...	29.60	43	SSE	6	[illegible]	29.65	+.05	44	42	+ 1	SSW	4	c	3	[illegible]	*	44	37	*
	Færder (Christiania Fjord)	29.76	45	SW	4	c	29.75	+.08	45	45	o	S	4	m	3	c	*	46	45	-
	Skagen (The Scaw)	29.64	45	SSW	1	o	29.73	-.04	45	44	+ 2	S	4	r	1	o	*	52	43	0.12
	Fanö	29.82	47	SW	4	b	29.81	-.01	48	46	+ 3	SW	4	o	*	b	*	55	43	-
British Islands.	Sumburgh Head	29.24	45	W	5	bc	29.42	+.16	43	40	- 1	WSW	4	b	5	be	*	48	38	0.07
	Stornoway ...	29.29	41	W	6	bchq	29.50	+.21	41	41	- 4	WSW	4	bc	4	rSp.hq	7.8	45	35	0.29
	Wick	29.34	45	W	7	bc	29.51	+.18	46	44	+ 4	W	6	bc	3	ph, bc	*	50	36	0.05
	Nairn	29.38	48	W	3	b	29.56	+.18	43	42	- 2	W	2	bc	2	bc	*	54	35	0.05
	Aberdeen ...	29.47	49	SW	4	bc	29.61	+.18	47	41	- 4	S	2	bc	1	qp.bc	8.8	57	34	0.01
	Leith	29.53	50	WSW	3	o	29.67	+.15	47	43	- 1	W	4	bc	*	o	*	56	38	0.02
	Shields	29.61	56	SW	4	c	29.75	+.17	46	42	- 8	SW	3	bc	2	c	*	57	41	-
	Spurn Head ...	29.71	53	SW	4	c	29.81	+.07	48	46	- 3	W	3	c	3	c, q	*	58	46	-
	York	29.71	50	W	2	o	29.81	+.09	48	43	- 1	W	2	bc	*	p, q	1.4	57	41	0.02
	Loughborough ...	29.76	54	WSW	3	c	29.85	+.04	50	45	+ 2	W	3	bc	*	c, o, bc	*	59	45	-
	Ardrossan ...	29.57	47	WSW	4	o	29.69	+.14	45	44	- 4	WSW	4	c	3	o, q	*	50	41	0.02
	Malin Head ...	29.54	44	WSW	5	cqr	29.70	+.17	39	39	- 6	dW	5	orhq	3	cqr	*	48	35	0.43
	Belmullet ...	29.70	46	W	5	bqp	29.82	+.15	45	43	- 4	WNW	4	c	*	o, bqp	*	50	37	0.13
	Donaghadee ...	29.64	49	WSW	5	bc	29.77	+.14	47	44	- 2	WSW	5	b	3	bc	*	56	36	-
	Liverpool (Bidston)	29.72	49	WSW	2	o	29.84	+.12	46	42	- 4	WSW	4	bc	4	c, or	*	56	42	0.05
	Holyhead ...	29.72	50	SW	3	cpm	29.85	+.12	47	44	- 1	WSW	4	bc	3	c, mp	*	51	42	0.02
	Parsonstown ...	29.74	49	W	2	o	29.87	+.14	46	42	- 2	W	1	c, hp	*	o	0.9	58	37	0.03
	Valencia ...	29.84	49	WSW	5	o	29.97	+.16	45	42	- 4	WNW	6	op	6	c, o	3.4	52	43	0.06
	Roche's Point ...	29.82	52	WNW	4	c	29.95	+.15	48	44	- 4	NW	3	bc	3	p, c	*	56	42	0.01
	Pembroke (St. Ann's Bd.)	29.79	49	W	5	o	29.92	+.08	47	45	- 2	WNW	5	bc	4	o	0.0	49	46	0.02
	Scilly	29.87	51	SW	5	om	29.96	+.04	50	47	- 2	NW	5	c	3	c, om	3.4	53	47	-
	Prawle Point ...	29.89	49	WSW	4	o	29.96	+.01	49	48	+ 1	NW	3	bc	2	c, op	*	53	43	0.03
	Jersey (St. Aubin's)	29.94	52	WNW	3	b	29.99	.00	50	49	- 1	WNW	3	o	3	b, d	*	56	43	0.01
	Hurst Castle ...	29.89	51	SW	4	o	29.92	-.01	52	49	+ 3	W	3	bc	2	o	*	54	49	-
	Dungeness ...	29.86	51	WSW	5	b	29.88	-.03	49	49	- 2	SW	4	o	3	b	*	55	47	-
Germany & Holland.	North Foreland	29.85	54	SW	3	bc	29.89	-.02	51	50	- 1	SW	4	o	3	b, bc	*	59	44	-
	London (Brixton) ...	29.84	54	SW	3	o	29.88	-.04	51	48	o	NW	3	c	*	bc, o, cp	10.5	62	49	0.01
	Oxford	29.84	51	SW	4	o	29.90	+.03	50	45	o	NW	2	b	*	c, o	*	56	45	-
	Cambridge ...	29.81	55	SW	3	c	29.88	+.01	52	50	+ 4	W	2	o	*	c	5.8	58	47	0.01
	Yarmouth ...	29.78	58	WSW	4	bc	29.82	.00	51	49	+ 2	W	2	c	3	o	*	58	47	0.01
	Cuxhaven ...	29.86	52	S	2	o	29.88	.00	49	48	+ 2	S	2	o	*	r.o	*	55	43	0.01
	Berlin	29.97	51	WNW	1	b	30.03	+.10	49	45	+ 4	S	3	b	*	b	*	55	41	-
	Wiesbaden ...	*	*	*	*	*	30.03	+.04	48	44	+ 1	SW	0	b	*	*	*	57	39	-
	Munich	30.01	44	SE	2	b	30.06	+.08	46	44	+ 2	E	2	b	*	b	*	52	34	0.16
	The Helder ...	29.83	51	SW	3	c	29.85	+.01	50	48	o	SW	4	o	2	c	*	54	46	-
France & Belgium.	Brussels ...	*	*	*	*	*	29.95	-.03	51	46	+ 3	SSW	1	b	*	b	*	62	41	-
	Cape Gris Nez ...	29.88	50	W	5	b	29.91	.00	48	46	- 1	SW	4	o	4	b	*	52	45	-
	Paris	29.93	57	SW	1	b	29.97	-.03	46	45	+ 1	NE	1	b	*	b	*	62	?39	-
	Brest	29.96	54	W	1	b	29.99	-.04	48	46	+ 2	N	2	c	2	b	*	57	43	-
	Lorient	29.95	54	WNW	4	b	29.99	+.01	50	49	+ 6	W	0	b	2	b	*	64	39	-
	Rochefort ...	29.94	63	NE	3	b	29.99	+.07	51	49	+ 2	NE	3	c	*	b	*	70	48	-
	Belfort	29.93	48	ENE	4	b	29.96	-.05	47	43	+ 8	ENE	4	b	*	b	*	57	38	-
	Lyons	29.93	50	WNW	2	b	29.94	.00	51	47	+ 5	NE	1	bc	*	b	*	61	40	-
	Nice	29.74	60	W	0	c	29.91	+.21	55	53	- 2	E	1	c	1	c	*	68	50	-
	Perpignan ...	29.82	69	NW	2	b	29.92	+.07	60	55	+ 5	W	0	o	*	b	*	72	55	-
	Biarritz ...	29.89	59	N	3	b	29.95	+.07	55	54	o	NNW	4	7	2	b	*	64	52	-
Peninsula.	Corunna ...																*			
	Lisbon	29.97	56	W	3	b	30.07	+.12	57	54	- 2	SW	3	o	*	b	*	63	54	0.08
	Azores (P. Delgada)	30.20	59	NE	3	b	30.26	+.08	59	57	o	NE	1	c	1	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 0.0 hrs;

WEATHER CHARTS

FOR Monday, 3rd May, 1897.

BAROMETER, WIND AND SEA.

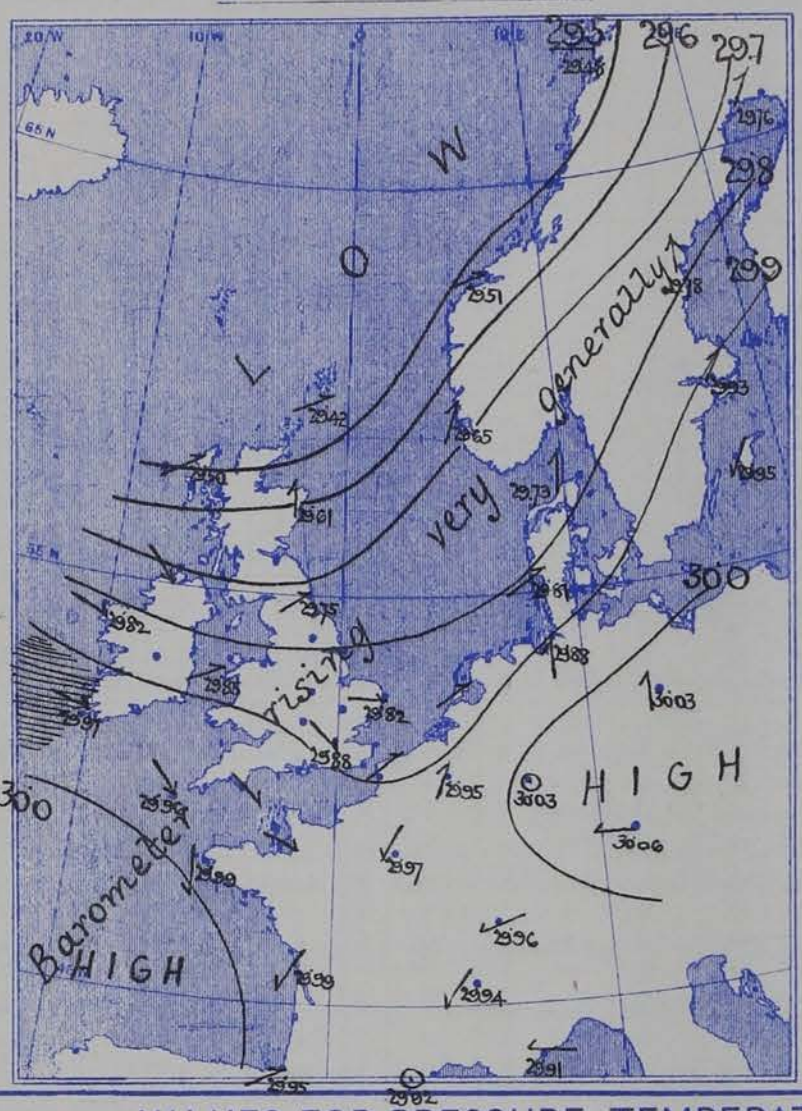
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤

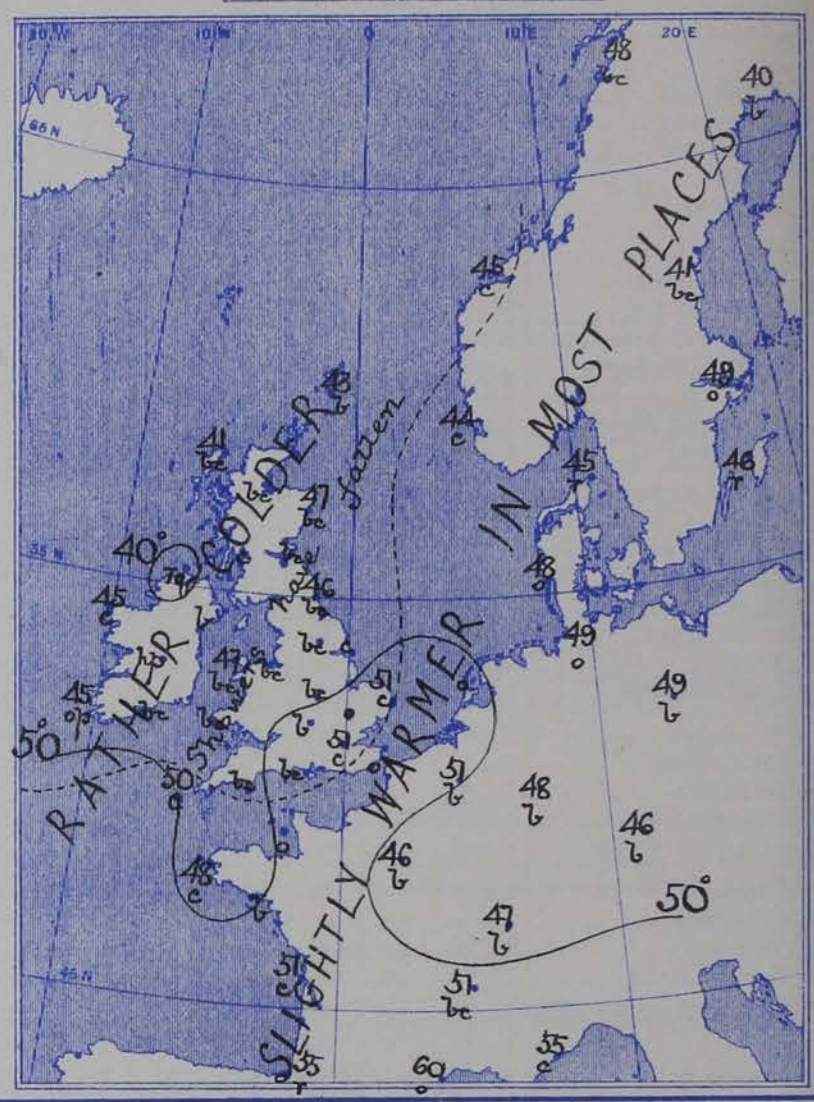


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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: in a complex anticyclonic area covering Germany, France, and the Bay of Biscay.
Lowest, Below 29·5 ins: off the north of Scotland and over the northwest of Norway.
Gradient moderate for W (SW to NW) winds over our Islands, and slight and variable over Germany and France.
Barometer rising over our Islands generally, steady over France.

TEMPERATURE

Highest, 60° at Perpignan, 55° at Biarritz, 51° in London, 49° at Berlin and Stockholm.
Lowest, 39° at Malin Head, 40° at Hoparanda, 41° at Stornoway, 46° at Parsonstown, Liverpool, and Shields.
Maxima were recorded yesterday of 56° at Lerwick and Donaghadee, 53° at Spurn Head, Loughborough and the Midland Counties, 62° in London, and of Paris and 72° at Perpignan.

WIND

Moderate from NW. at our western and southern stations, from SW. in the southeast, and from S. on the coast of Denmark and Scandinavia – but E at Bodö (only)

WEATHER

Fair in most places, but showers are still reported from some parts of our western and northern coast.
Rain has fallen very generally in the west and north, hail and sleet in the extreme north of Scotland.
Bright Sunshine recorded yesterday was more than 10 hrs: at several of our south coast stations and in London, 8·8 hrs: at Aberdeen, 7·8 hrs: at Stornoway, but none at Pembroke or Southport.

SEA

Rather rough in the extreme north and northwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change in the general character of the weather is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 4TH MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW¾ to SW¾ breezes, moderate; some passing showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW¾ and W¾ winds, moderate; a slight shower or two – cold and clear tonight.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 2.
5	ENGLAND SOUTH	NW¾ and W¾ winds, light; fair generally, clear and cold tonight
6	SCOTLAND WEST	Wind likely to back towards SW. or S. again; fine at first, showers later.
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 ...	29.59	43	43	S	8	1	5
Sumburgh Head							
Stornoway	29.29	42	42	W	6	6c	7
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.56	44	44	SW	5	cqr	4
Belmullet	29.69	49	45	W	6	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.98	56	49	SW	3	b	3
Hurst Castle ...							
Dungeness ...	29.88	53	48	SW	5	b	4
North Foreland	29.87	58	52	SW	4	b	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.91	65	58	E	4	b	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 25TH APRIL TO THE 1ST MAY 97

The weather experienced over our Islands and their neighbourhood was of two distinct types. At first anticyclonic conditions prevailed over the northern and northeastern parts of our area; while shallow depressions were developed over France and our southern counties. In these latter districts thunderstorms were experienced, and some heavy falls of rain and hail occurred locally; while fair weather was reported in the west and north. Temperature rose greatly in the south – touching 66° in London on Monday and 74° at Paris on the following day.

On Wednesday the condition became complicated by the appearance of a depression over Scotland, and the commencement of a giving way of the high pressure area over northern Europe. This was succeeded rapidly by the breaking up of the southern disturbances, and the establishment of high pressures over France and Germany, of depressions (of no great intensity) in the northwest and north, and "V" shaped secondaries moving eastwards across the British Islands generally. Showery weather, with bright intervals, became general, the rainfall being greatest in the northwest, and in the rear of the "V" of Friday a fall occurred on the grass over England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* 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 Tuesday 4th May, 1897.

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 ...	29.82	38	S	2	o	29.73	− .03	40	40	0	S	2	r	*	o	*	45	34	0.24
	Hernösand ...	29.78	41	S	4	b	29.75	− .03	38	36	− 3	S	4	c	*	b	*	48	36	—
	Stockholm ...	29.89	49	2	o	o	29.87	− .06	55	49	+ 6	SW	2	c	*	o	*	59	45	—
	Wisby	29.94	44	SSW	4	bc	29.95	.00	51	45	+ 5	SSW	4	o	*	bc	*	62	39	—
	Karlstad ...	29.80	46	S	2	o	29.84	+ .01	45	43	− 1	SW	4	o	*	o.r	*	*	*	0.04
	Bodö	29.65	42	SE	2	bc	29.69	+ .21	42	39	− 6	SW	4	c	1	bc	*	48	39	0.08
	Christiansund ...	29.67	44	WSW	3	b	29.75	+ .24	42	40	− 3	W	2	c	4	b	*	52	39	—
	Skudesnaes ...	29.76	44	S	2	bc	29.93	+ .28	44	42	o	W	2	b	2	bc	*	48	37	*
	Færder (Christiania Fjord)	29.76	45	S	2	o	29.83	+ .08	44	41	− 1	SW	4	b	3	o	*	46	44	0.20
	Skagen (The Scaw)	29.80	44	W	1	r	29.92	+ .19	45	42	o	WNW	3	bc	o	r	*	45	41	0.24
	Fano	29.85	46	WSW	4	c	29.97	+ .16	45	42	− 3	W	2	b	*	c	*	50	41	0.04
British Islands	Sumburgh Head	29.59	44	W	2	c	29.70	+ .28	42	40	− 1	W	3	c	4	bc, c	*	47	37	0.05
	Stornoway ...	29.70	37	WNW	4	bc	29.66	+ .16	40	39	− 1	SW	6	rw	7	c, bc	10.9	46	34	0.35
	Wick	29.68	46	W	6	bc	29.77	+ .16	43	42	− 3	S	5	bc	3	hp, bc	*	50	34	0.05
	Nairn	29.73	43	W	1	bc	29.80	+ .24	45	42	+ 2	SW	2	c	1	bc	*	51	34	0.02
	Aberdeen ...	29.73	44	SSE	1	bcp	29.89	+ .28	45	40	− 2	SW	3	b	2	hrp, bcp	6.5	53	34	0.04
	Leith	29.78	46	W	3	c	29.97	+ .30	43	40	− 4	SW	3	o	*	hp, c	*	51	36	0.01
	Shields	29.80	48	SW	3	c	30.05	+ .30	46	42	o	SW	3	b	2	cp, c	*	55	35	—
	Spurn Head ...	29.85	49	WSW	4	bc	30.11	+ .30	45	42	− 3	WNW	4	b	3	bc	*	50	40	—
	York	29.85	50	W	4	b	30.12	+ .31	46	41	− 2	NNW	2	b	*	b	8.4	53	34	—
	Loughborough ...	29.90	51	W	5	bc	30.16	+ .31	47	43	− 3	WNW	3	bcw	*	bcq, c, b	*	51	36	—
	Ardrossan ...	29.88	42	W	4	bcp	29.95	+ .26	44	44	− 1	SSW	4	o	3	bcp	*	50	39	0.02
	Malin Head ...	29.87	43	NW	5	bcrpq	29.78	+ .08	43	42	+ 4	S	6	cm	3	cyhrp	*	45	37	0.10
	Belmullet ...	30.02	46	WNW	5	bhpq	29.88	+ .06	48	46	+ 3	WSW	7	ofpq	*	bq, hp	*	48	39	0.10
	Donaghadee ...	29.90	48	WNW	4	bc	30.04	+ .27	44	41	− 3	SW	5	bc	3	bc	*	51	33	0.05
	Liverpool (Bidston)	29.90	47	W	5	b	30.14	+ .30	46	40	o	W	3	b	2	b, p	*	52	39	0.01
	Holyhead ...	29.94	44	W	4	bcshr	30.14	+ .29	47	44	o	SW	4	bc	3	bc, bcshr	*	52	40	0.05
	Parsonstown ...	30.01	48	W	2	bc	30.08	+ .21	48	44	+ 2	W	1	o	*	b, rhp	11.1	52	34	0.02
	Valencia ...	30.12	49	W	5	c	30.14	+ .17	51	47	+ 6	SSW	5	o	5	bcr, c	10.0	51	42	0.01
	Roche's Point ...	30.07	49	NNW	4	bcq	30.20	+ .25	50	46	+ 2	W	3	bc	3	bcq	*	52	40	—
	Pembroke (St. Ann's Hd.)	30.00	48	NW	5	b	30.21	+ .29	48	46	+ 1	WNW	4	b	4	b	10.1	50	42	—
	Scilly	30.11	50	WNW	5	c	30.26	+ .30	50	46	o	NW	4	c	4	bc, c	10.0	53	45	—
	Prawle Point ...	30.05	50	WNW	4	bc	30.27	+ .31	49	46	o	NW	3	bc	2	bc	*	53	38	—
	Jersey (St. Aubin's)	30.06	53	WNW	4	b	30.28	+ .29	52	46	+ 2	NW	3	bc	3	b	*	56	45	—
	Hurst Castle ...	29.98	55	WNW	3	bc	30.22	+ .30	47	44	− 5	WNW	3	b	1	cp, bc	*	58	39	0.01
	Dungeness ...	29.91	53	WSW	4	bc	30.18	+ .30	48	43	− 1	WNW	3	c		bc, b	*			—
	North Foreland	29.93	53	NW	4	o	30.17	+ .28	46	44	− 5	NW	4	b	3	o	*	58	41	—
	London (Brixton) ...	29.93	54	W	2	c	30.19	+ .31	47	42	− 4	NW	2	b	*	c, b	5.3	59	36	—
	Oxford	29.99	45	SW	2	b	30.21	+ .31	46	41	− 4	NW	2	b	*	p, b	*	56	34	—
	Cambridge ...	29.91	56	WSW	3	bcr	30.18	+ .30	46	43	− 6	NW	2	bw	*	bcr	6.2	59	36	—
	Yarmouth ...	29.85	50	ESE	3	bc	30.10	+ .28	45	42	− 6	WNW	4	bc	3	bc	*	55	38	—
Germany & Holland	Cuxhaven ...	29.86	54	N	1	c	29.95	+ .07	47	47	− 2	N	1	o	*	c	*	61	46	0.04
	Berlin	29.95	58	SE	1	b	29.90	− .13	52	48	+ 3	SE	3	b	*	b	*	64	45	—
	Wiesbaden ...	*	*	*	*	*	29.99	− .04	53	50	+ 5	NW	2	bc	*	*	*	63	48	—
	Munich	29.97	49	SE	2	b	29.98	− .08	52	48	+ 6	W	2	c	*	b	*	59	37	—
	The Helder ...	29.89	49	WNW	2	r	30.05	+ .20	47	44	− 3	NW	2	bc	2	r	*	52	45	0.12
Belgium.	Brussels ...	*	*	*	*	*	30.13	+ .18	49	44	− 2	NNW	3	bc	*	bc	*	61	41	—
	Cape Gris Nez ...	29.92	50	WNW	5	c	30.12	+ .21	45	41	− 3	N	4	b	4	c	*	52	41	—
	Paris	29.97	60	NW	2	c	30.19	+ .22	49	45	+ 3	NW	3	m	*	c	*	66	43	—
	Brest	30.02	52	NNW	2	b	30.28	+ .29	46	45	− 2	NNW	2	c	2	b	*	55	45	—
	Lorient	30.02	53	NW	3	bc	30.32	+ .33	48	45	− 2	NNW	3	bc	2	bc	*	64	43	—
France &	Rochefort ...	30.02	56	NNW	5	c	30.28	+ .29	49	46	− 2	NE	5	bc	*	c	*	64	46	—
	Belfort	29.89	59	?NW	2	b	30.04	+ .08	46	45	− 1	W	2	c	*	b	*	67	?43	—
	Lyons	29.92	62	E	1	c	30.11	+ .17	53	47	+ 2	N	3	bc	*	c	*	67	48	—
	Nice	29.93	65	SE	4	o	29.87	− .04	57	54	+ 2	2	o	c	o	o	*	65	52	—
	Perpignan ...	29.96	59	NW	3	o	30.10	+ .18	57	50	− 3	NW	4	o	*	o	*	68	55	—
	Biarritz ...	30.06	56	NW	5	r	30.21	+ .26	55	51	o	NNW	4	r	4	r	*	59	50	0.12
Peninsula.	Corunna ...																*			
	Lisbon	30.19	55	NW	4	b	30.21	+ .14	?	55	?	NNW	4	b	*	b	*	64	54	—
	Azores (P. Delgada)	30.37	59	SE	1	c	30.38	+ .12	59	56	o	SE	1	c	1	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 11.7 hrs;

WEATHER CHARTS

FOR ..... Tuesday, 4th May, ... 1897.

BAROMETER, WIND AND SEA.

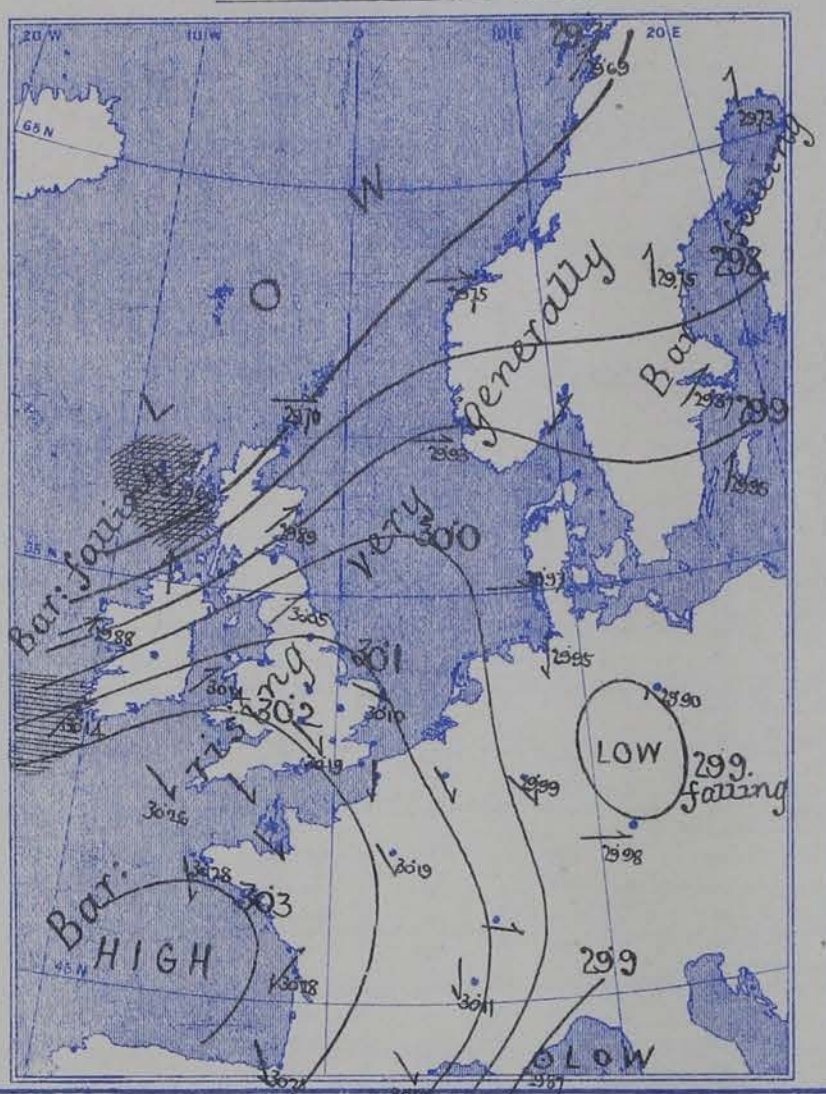
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

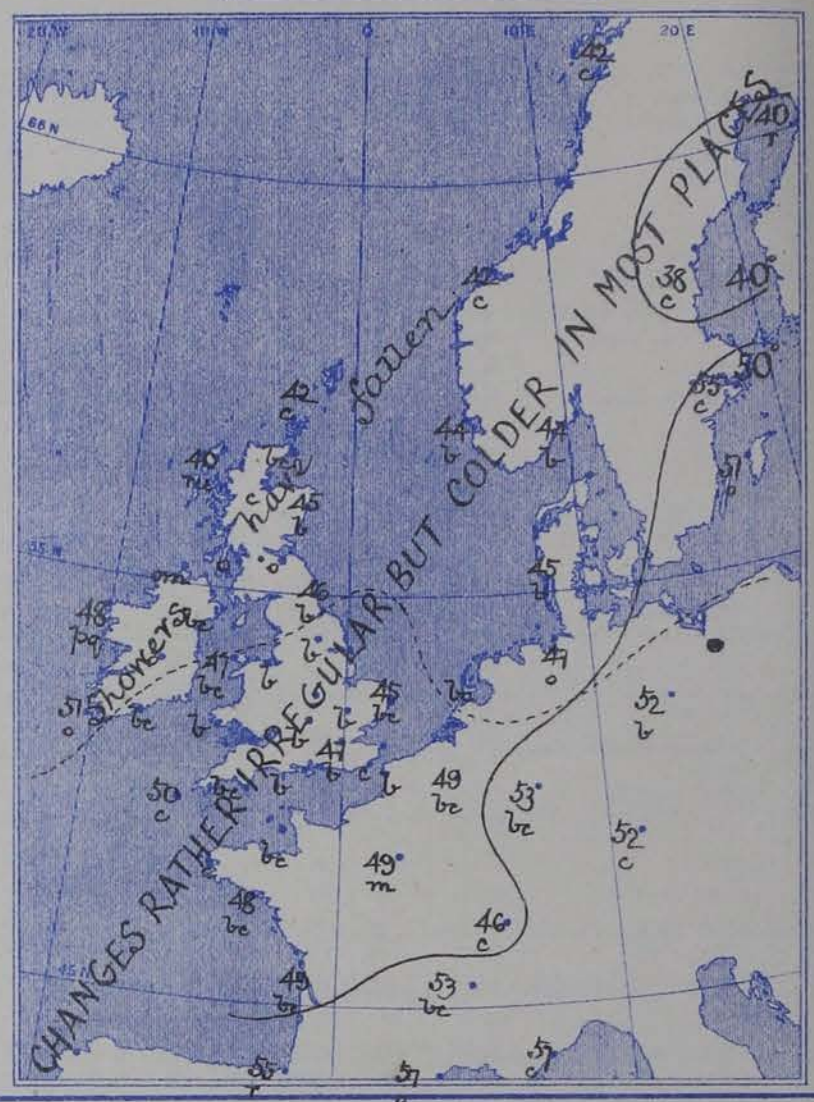


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 over the Bay of Biscay; 30.1 ins. and upwards in an anticyclone extending from the Spanish Peninsula over the whole of France, England and the S. of Ireland.
Lowest 29.7 ins. and less in a large area lying to the northward and northeastward of our Islands; 29.9 ins. and less in a shallow depression over Germany.
Gradients rather steep over our extreme NW. coasts, but moderate or slight elsewhere.
Barometer falling rather decidedly in the extreme W. of our Islands, and to a less extent in Sweden, but rising elsewhere.

TEMPERATURE

Highest (1) 57° at Nice and Perpignan, 55° at Biarritz, and 53° at Lyons; (2) 55° at Stockholm, 51° at Aberdeen and Paisley.
Lowest (1) 38° at Hernösand, 40° at Haparanda, and 42° at Bodö and Christiansund, (2) 40° at Stornoway, and 42° at Sumburgh Head.
Ground frost occurred last night over the inland parts of our Islands; in London the thermometer on the grass fell to 27°, and at Loughborough to 30°.

WIND

N. or NW. over Ireland and the northern parts of Gt. Britain, as well as in Scandinavia; strong in force on our own extreme northwest coasts.
Light to moderate from the NW. over the greater part of England, France and the Netherlands.
A cyclonic circulation of light breezes was reported over Germany.

WEATHER

Fair or fine over W. Europe generally, but dull on our own extreme W. and NW. coasts, with rain at Stornoway, and passing showers at Belmullet. Rain was also falling at Haparanda.
Showers of rain or hail fell yesterday at most of our western and northern stations.
Lightning was seen at Dungeness at night.

SEA

High at Stornoway, and rather rough at Valencia (Ireland), but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression is approaching our NW. coasts, and is likely as it moves NE. wds. to occasion gales from the SW. wd. at many of our extreme N. and NW. stations, with some rain. Over the southern parts of the Kingdom the weather is likely to remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 5TH MAY. 1897.

DISTRICTS.		FORECASTS.
▼ 1	SCOTLAND NORTH	SW. to W. gales or strong winds, squally, some rain.
▼	SCOTLAND EAST	SW. winds, freshening, fine at first, some showers later.
2	ENGLAND N.E.	
3	ENGLAND EAST	NW. to W. winds, moderate; fine generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	SW. to W. gales moderating later; squally, showery.
7	ENGLAND N.W.	Same as Nos. 1 and 2.
8	ENGLAND S.W.	Same as Nos. 3 to 5.
▼ 9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	Same as Nos. 1 and 2.
	WARNINGS	At 10.10 am. today to districts 6, 6 and parts of 1 & 2. Hoist S. 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 ...	29.73	48	45	S	4	c	3
Sumburgh Head	29.35	45	41	W	7	bc	4
Stornoway	29.61	46	44	WNW	5	c	6
Aberdeen	29.67	46	41	E	2	chrp	2
Shields	29.75	54	46	SW	3	cp	2
Ardrossan	29.75	45	45	W	3	bc	3
Malin Head ...	29.77	45	43	NW	4	c	3
Belmullet	29.93	45	43	WNW	5	bpq	3 *
Holyhead	29.89	50	47	SW	4	bcq	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
lencia	30.06	50	43	W	5	bcv	6
Scilly	30.06	52	48	NW	4	bc	3
Jersey	30.05	55	49	W	4	b	3
Hurst Castle ...	29.97	52	50	W	3	cp	2
Dungeness ...	29.89	55	51	SW	4	bc	3
North Foreland	29.91	55	51	NW	3	o	3
London (Westminster)	29.90	59	48	W	3	c	*
Yarmouth ...	29.84	52	49	NNE	3	bc	3
Rochefort ...	30.06	63	59	N	4	bc	*

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

Weather in morning fine over W^rn and N^rn Europe as a whole, but showery at some of the Irish stations, and rainy at Wisby and the Skaw. Cloudy or dull in most of the central and southern countries, with rain at Vienna and Hermanstadt, as well as at Palma, Biarritz and Cromma. Showers of rain or hail falling later at most of our own W^rn and N^rn stations, as well as in the Netherlands, Denmark and the south of Scandinavia; lightning seen at Dungeness at night.

Temperature fallen in our Islands as well as in the E. and S. of Germany, risen in most other localities. Morning readings highest 68° at Spezia, 65° at Brindisi, Malta and La Calle, and 64° at Algiers; above 60° at many of the Mediterranean and Adriatic, and touching 62° at Riga. Lowest (1) 39° at Malin Head, and 41° at Stornoway; (2) 40° at Haparanda, and 41° at Hernösand; (3) 43° at Prague, and 44° at Breslau. Rising during day to 55° and upwards at several of our own central and southern stations; exceeding 60° in France and Germany, and reaching 68° at Perpignan. Ground frost occurring over the inland parts of the United Kingdom at night.

Wind W^ly in our Islands and fresh or strong in force on several parts of our extreme W. and N. coasts; moderate from the S^wd or SW^wt over Scandinavia, Denmark and the Netherlands. NE^ly in France, but variable in Spain and also in Germany; S^ly in Italy; NW^ly or W^ly in Austria; SE^ly in Russia. Subsequently veering to the NW^wd in all the more western parts of the United Kingdom, but becoming rather variable on our E. coasts.

Barometer highest 30.2 ins. and upwards over central Russia, 30.1 ins. and upwards in an area lying to the W. of Portugal; 30.0 ins. and upwards over Germany. Lowest 29.5 ins. and less in a large area lying to the northward of our Islands; 29.9 ins. and less in a shallow depression lying respectively over E^rn Austria, off the S. of France and over Tunis. High pressure system off Portuguese coasts subsequently spreading NE^wd to the extreme SW. of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Wednesday, 5th May, 1897.

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 ...	29.80	36	SW	0	fog	30.01	+.28	40	38	0	SW	0	cloudy	*	fog	*	43	36	0.24
	Hernösand ...	29.93	43	SW	0	cloudy	29.99	+.24	42	38	+ 4	S	4	cloudy	*	cloudy	*	54	30	-
	Stockholm ...	30.02	50	SW	0	cloudy	30.04	+.17	53	46	- 2	SW	0	mist	*	cloudy	*	61	43	-
	Wisby	30.04	47	SSW	4	cloudy	30.03	+.08	44	42	- 1	E	4	0	*	cloudy	*	59	41	-
	Karlstad ...	29.99	46	S	2	cloudy	30.01	+.17	42	40	- 3	S	2	fog	*	cloudy	*	*	*	-
	Bodö	29.81	41	SW	4	cloudy	29.68	-.01	45	38	+ 3	ESE	4	0	2	cloudy	*	45	34	-
	Christiansund ...	29.75	45	N	2	cloudy	29.43	-.32	50	43	+ 8	S	2	cloudy	3	cloudy	*	50	42	-
	Skudesnaes ...	29.90	43	S	8	0	29.64	-.29	44	43	0	SSE	10	fog	7	cloudy. 0	*	49	39	*
	Færder (Christiania Fjord)	29.97	47	SW	4	cloudy	29.90	+.07	45	43	+ 1	SSW	6	0	4	cloudy	*	48	43	-
	Skagen (The Scaw)	30.05	42	N	1	cloudy	29.98	+.06	44	42	- 1	NSW	3	cloudy	0	cloudy	*	54	39	-
	Fanö	30.08	44	N	2	cloudy	29.92	-.05	47	44	+ 2	SW	5	c	*	cloudy	*	52	43	-
	Sumburgh Head	29.29	43	S	6	0	29.12	-.58	44	43	+ 2	NSW	4	c	6	r. 0	*	45	39	0.20
	Stornoway ...	29.26	45	NSW	5	c	29.36	-.30	42	42	+ 2	NNW	5	cloudy	6	r. thhp	2.0	45	38	0.91
	Wick	29.35	48	SW	5	cloudy	29.31	-.46	47	46	+ 4	NNW	7	cu	4	hp. bc	*	52	40	0.10
	Nairn	29.39	46	NSW	3	r	29.44	-.36	46	44	+ 1	NNW	3	c	4	r	*	56	38	0.09
	Aberdeen ...	29.52	46	SSW	5	0 fog	29.49	-.40	51	43	+ 6	SW	5	fog	2	c q r. 0 q	4.4	51	42	0.02
	Leith	29.60	45	W	5	r	29.60	-.37	47	43	+ 4	W	5	cloudy	*	r	*	54	40	0.06
	Shields	29.82	51	SW	4	0	29.70	-.35	48	45	+ 2	SW	5	cloudy	2	c. 0	*	55	44	-
	Spurn Head ...	29.86	54	SW	5	c	29.82	-.29	48	46	+ 3	W	4	c	3	c. r	*	57	45	0.01
	York	29.97	55	SW	2	0	29.81	-.31	50	45	+ 4	NSW	2	c	*	c. 0	8.7	57	45	-
	Loughborough ...	30.05	55	WSW	3	bc	29.88	-.28	50	46	+ 3	W	3	c	*	bc. c. 0	*	59	47	0.02
British Islands.	Ardrossan ...	29.61	48	S	6	rain	29.65	-.30	46	46	+ 2	SW	4	q p rain	3	r. rain	*	48	43	0.15
	Malin Head ...	29.56	47	SW	7	cloudy	29.67	-.11	42	42	- 1	W	5	c q hail	4	r	*	49	40	0.16
	Belmullet ...	29.74	46	WSW	8	0 q p	29.84	-.04	46	42	- 2	WNW	7	0 p	*	0 q p	*	50	39	0.28
	Donaghadee ...	29.70	52	SW	6	c q	29.75	-.29	47	45	+ 3	W	6	bc	4	c q	*	53	40	0.11
	Liverpool (Bidston)	29.93	51	SW	5	0 p	29.86	-.28	47	42	+ 1	WSW	5	bc	4	p	*	55	44	0.09
	Holyhead ...	29.92	48	SSW	8	gale rain q	29.86	-.28	51	47	+ 4	WSW	5	b	4	bc. rain	*	52	43	0.09
	Parsonstown ...	29.85	50	WSW	4	r	29.89	-.19	47	40	- 1	W	3	c	*	c. r	2.0	52	41	0.15
	Valencia ...	29.95	52	SW	7	gale rain	30.04	-.10	48	44	- 3	W	6	bc q	6	q g m	0.4	54	45	0.17
	Roche's Point ...	30.02	51	WSW	6	r	30.04	-.16	49	45	- 1	WNW	4	bc	4	r	*	54	42	0.04
	Pembroke (St. Ann's Hd.)	30.10	49	WSW	6	0	29.96	-.25	48	46	0	WNW	6	b	5	c. 0	8.3	51	45	0.13
	Scilly	30.23	53	SW	5	c	30.06	-.20	50	47	0	WNW	5	c	4	c	11.2	57	46	0.10
	Prawle Point ...	30.22	49	WSW	4	bc	30.04	-.23	52	47	+ 3	W	3	p	2	bc. r	*	52	46	0.13
	Jersey (St. Aubin's)	30.29	52	W	3	b	30.12	-.16	52	50	0	SW	5	q g m r	4	b	*	55	47	-
	Hurst Castle ...	30.19	51	SW	4	bc m	29.99	-.23	51	50	+ 4	WSW	5	rain	3	bc. bcm	*	55	47	0.11
	Dungeness ...	30.17	50	WSW	5	b	29.98	-.20	49	49	+ 1	SW	5	p	4	c. b	*	55	47	0.01
	North Foreland	30.16	54	SW	4	bc	30.03	-.14	50	49	+ 4	SW	4	r	3	bc	*	56	44	0.05
	London (Brixton) ...	30.14	55	WSW	3	b	29.95	-.24	50	49	+ 3	SW	4	r	*	bc. b	13.2	61	45	0.15
	Oxford	30.13	49	SW	3	bc	29.94	-.27	48	47	+ 2	W	2	c	*	bc	*	57	45	0.04
	Cambridge ...	30.11	55	SW	3	bc	29.91	-.27	50	49	+ 4	SW	3	q d	*	bc	13.4	60	45	0.03
	Yarmouth ...	30.08	53	SSW	4	bc	29.89	-.21	49	47	+ 4	SW	3	0 d	3	bc	*	55	44	0.08
Germany & Holland.	Cuxhaven ...	30.09	50	NNW	3	b	30.04	+.09	43	43	- 4	S	2	0	*	b	*	58	37	-
	Berlin	30.06	45	WNW	3	0	30.06	+.16	46	43	- 6	NW	3	0	*	0	*	64	43	0.08
	Wiesbaden ...	*	*	*	*	*	30.17	+.18	43	41	- 10	NW	1	b	*	*	*	57	37	-
	Munich	30.17	44	N	4	0	30.16	+.18	44	41	- 8	NW	3	b	*	0	*	59	37	0.04
	The Helder ...	30.15	50	SW	1	b	29.95	-.10	48	47	+ 1	SW	4	r	2	b	*	50	39	-
Belgium.	Brussels ...	*	*	*	*	*	30.12	-.01	47	44	- 2	SW	5	0	*	b	*	55	37	-
	Cape Gris Nez ...	30.17	49	N	4	b	30.02	-.10	50	48	+ 5	NSW	6	r	6	b	*	55	43	-
	Paris	30.24	53	N	2	b	30.19	.00	46	42	- 3	SSW	2	b	*	b	*	60	35	-
	Brest	30.32	54	W	2	bc	30.17	-.11	53	50	+ 7	NSW	4	0	4	bc	*	57	45	-
	Lorient	30.30	54	WNW	4	bc	30.16	-.16	53	50	+ 5	W	4	c	4	bc	*	63	45	-
France &	Rochefort ...	30.31	56	NW	5	bc	30.26	-.02	49	48	0	NE	2	b	*	bc	*	61	46	-
	Belfort	30.15	52	W	3	c	30.15	+.11	42	41	- 4	NE	2	m	*	c	*	58	39	-
	Lyons	30.14	54	N	2	bc	30.12	+.01	48	42	- 5	N	2	b	*	bc	*	60	42	-
	Nice	29.84	63	W	0	b	29.85	-.02	60	53	+ 3	W	0	b	0	b	*	70	54	-
	Perpignan ...	30.10	61	NW	5	b	30.12	+.02	56	47	- 1	NW	3	b	*	b	*	67	51	-
	Biarritz ...	30.26	55	NNW	4	bc	30.21	.00	52	49	- 3	S	2	0	3	bc	*	64	46	-
Peninsula.	Corunna ...																*			
	Lisbon	30.21	57	NNW	5	b	30.19	-.02	60	55	?	NNW	4	b	*	b	*	68	55	-
	Azores (P. Delgada)	30.44	59	NNE	3	c	30.43	+.05	59	56	0	NE	3	0	2	c	*	66	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 9.3 hrs;

WEATHER CHARTS

FOR Wednesday, 5th May, 1897.

BAROMETER, WIND AND SEA.

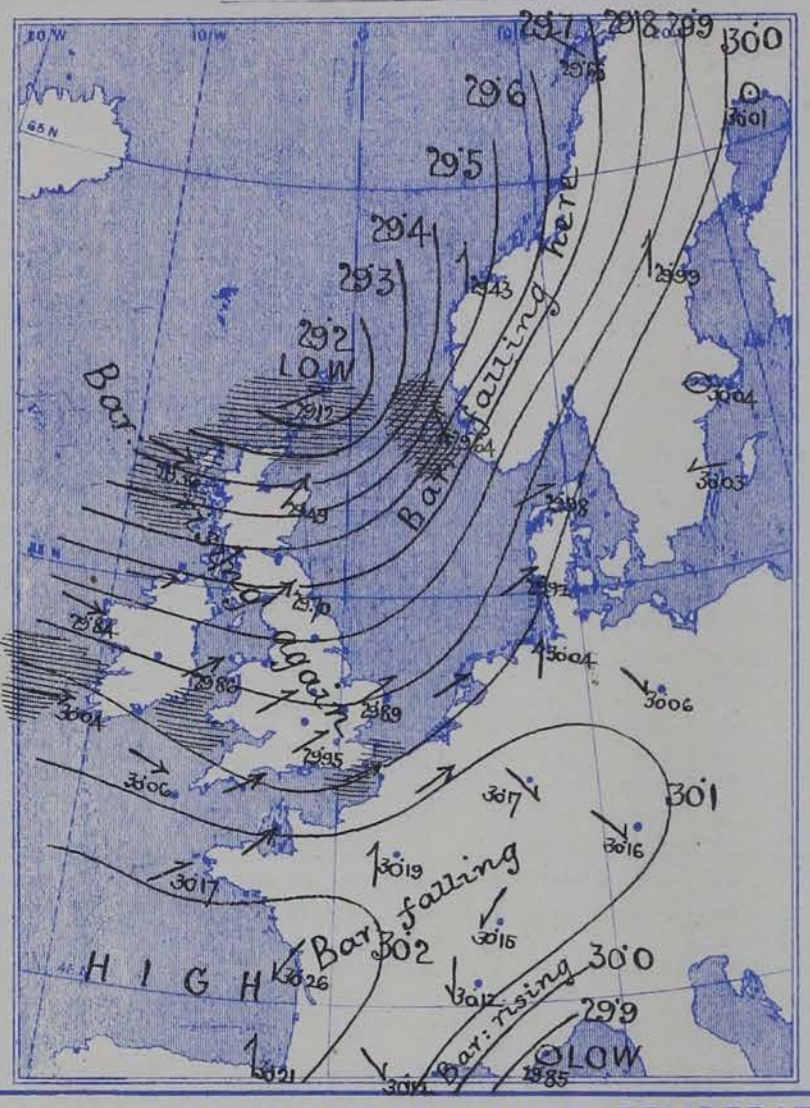
BAROMETER—Isobars are drawn for each tenth of an inch.

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

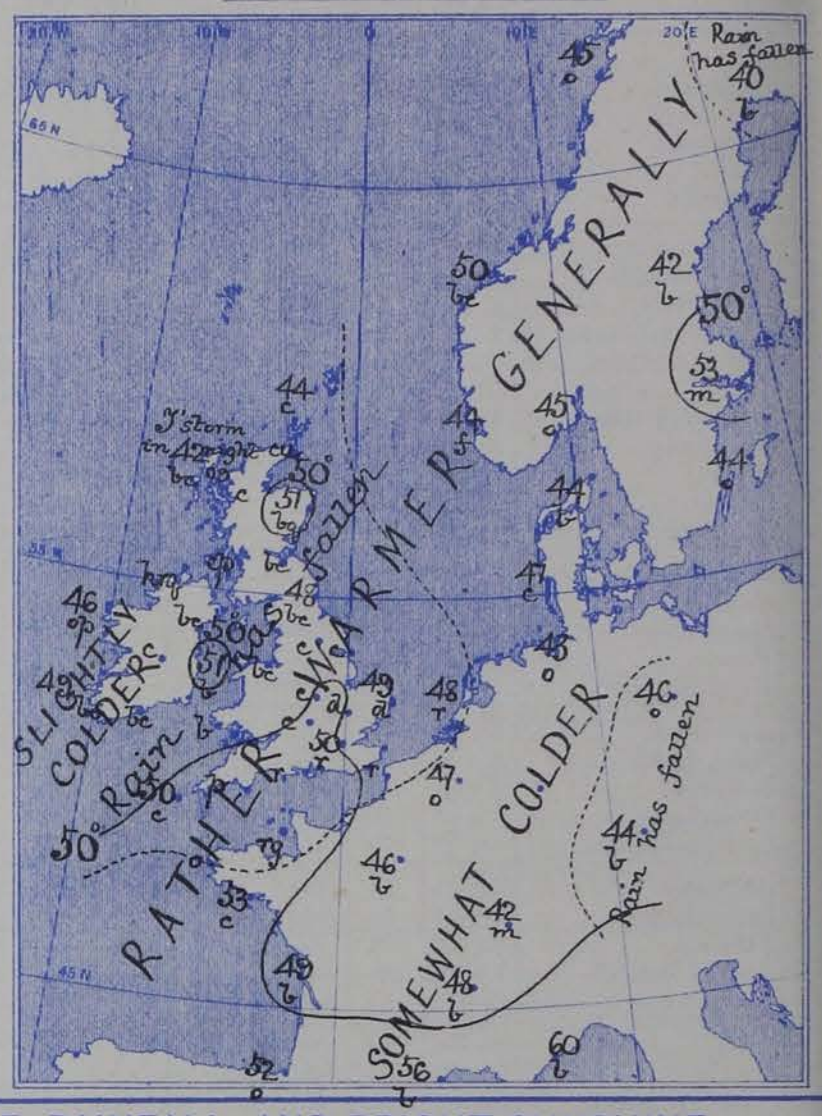


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 the Bay of Biscay and the adjacent parts of France and Spain.
Lowest, 29·2 ins: and less, in a rather deep depression having its centre a little to the northward of the Shetlands.
Gradient steep over Norway and the northern part of the North Sea, but moderate or slight elsewhere.
Barometer rising in most parts of our Islands and also in Sweden and Germany, but falling on the eastern shores of the Northern

TEMPERATURE

Highest, (1) 60° at Nice and Lisbon, 56° at Perpignan, 53° at Brest and Toulouse, and 52° at Jersey and Biarritz; (2) 53° at Stockholm.
Lowest, (1) 40° at Haparanda, and 42° at Hernösands and Karlstad; (2) 42° at Stornoway and Malin Head; (3) 42° at Belfast and 43° at Aberdeen.
During yesterday the thermometer rose to 55° and upwards at most of the English stations, to 60° at Cambridge and to 61° in London.

WIND

Strong from the W.ward on many parts of our western and northern coasts; moderate to fresh from the SW.ward in the eastern parts of the United Kingdom, as well as in Denmark and the Netherlands; S. or SE. in Scandinavia, with a strong gale at Skudenaes.
Light from the NW.ward in Germany; variable or N. over the southern parts of France.
A fresh to strong gale from the SW.ward was experienced yesterday on most parts of our north and northwest coasts.

WEATHER

Dull and rainy over the east and south of England and the neighbouring parts of the Continent.
Fine in most other localities, but showery on our extreme northwest coasts, with hail at Malin Hd.
Since yesterday rain has fallen in nearly all parts of the United Kingdom, the amount being slight as a rule, but heavy at Stornoway, where a thunderstorm has occurred.

SEA

High at Skudenaes, and rough off the north of Scotland, as well as on some of the more exposed parts of our southwest coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression of yesterday is passing away to the northward of our Islands, but the barometer rise in the west is very slight, and it is not unlikely that fresh disturbances will shortly appear off our western coasts.

FORECASTS

For the 24 hours ending at NOON on 6TH MAY, 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	W. winds, strong at first, but moderating later; squally, showery.	▼ 6 SCOTLAND WEST	Same as Nos. 1 and 2
▼ 1 SCOTLAND EAST	SW. and W. winds, strong in places; squally some showers.	▼ 7 ENGLAND N.W.	
▼ 2 ENGLAND N.E.		8 ENGLAND S.W.	W. winds, fresh; fair generally, but local showers.
3 ENGLAND EAST	SW. and W. winds, moderate; some showers at first, then fair.	▼ 9 IRELAND NORTH	W. to SW. winds, strong in places; changeable, some showers.
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 0·15pm yesterday to districts 2, 7, 10, and part of 1 Hoist South Cone. The signals are still flying in districts 0, 6, 9, and the remainder of 1.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·97	49	44	SSW	4	bc	2
Sumburgh Head	29·52	45	41	S	6	c	6
Stornoway	29·26	44	43	SSW	9	r	9
Aberdeen	29·67	48	42	SSW	8	c gu	5
Shields	29·95	53	46	SW	4	c	2
Ardrossan	29·74	46	46	S	7	r	5
Malin Head ...	29·56	48	48	S	8	r	3
Belmullet	29·77	50	49	WSW	9	o qp	*
Holyhead	30·03	49	47	SSW	7	o	6
Valencia	30·03	49	47	SSW	7	o	6
Scilly	30·26	56	52	SW	4	c	4
Jersey	30·33	55	48	WNW	3	b	3
Hurst Castle ...	30·24	53	49	WSW	4	bc	4
Dungeness ...	30·20	52	47	WSW	5	c	4
North Foreland	30·22	52	49	SE	4	bc	3
London (Westminster)	30·17	59	49	NW	2	bc	3*
Yarmouth ...	30·14	50	46	ESE	3	bc	3*
Rochefort ...	30·31	59	54	W	4	bc	*

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

Weather in morning fair or fine over western and central Europe generally, as well as in Spain, but dull and showery on our own extreme northwest coasts. Dull over the Baltic, Finland, and Lapland, with rain at Copenhagen and Haparanda; cloudy or dull over Austria, Italy, and the south of France, with rain at Biarritz. Rainy weather extending later from the westward over nearly all parts of the United Kingdom, amount large at Stornoway, where a thunderstorm occurred

Temperature risen over the more central parts of the Continent, but fallen or changed irregularly elsewhere. Morning readings highest 68° at Palermo, 67° at Malta, and 65° at Barcelona; above 60° at many of the Mediterranean and Adriatic stations, and above 55° over the northern and central parts of Russia. Lowest (1) 38° at Hernösands, 40° at Haparanda, and 41° at Kuopio; (2) 40° at Stornoway and 42° at Sumburgh Head. Rising during day to between 55° and 60° at many of the English stations, and reaching 61° in London; exceeding 68° over the Spanish Peninsula and the south of France, and touching 70° at Nice.

Wind S' or SW' over Ireland and the northern parts of Great Britain as well as in Scandinavia and Finland; strong in force on our extreme northwest coasts. Light to moderate from the NW^{d} over the greater part of England, France, and the Netherlands; NE^{ly} in Spain and Italy. Calm or variable over Austria and the south of Russia. Subsequently increasing to a moderate to strong gale from the SW^{ly} over all the more northern parts of the United Kingdom; backing to the SW^{d} also over England and the neighbouring parts of the Continent.

Barometer highest 30·3 in: and upwards over the Bay of Biscay and the northwest of Spain; 30·1 in: and upwards in an anticyclone extending from the southwestward over nearly the whole of England, France, Spain, and Algeria, as well as in another large system over Russia. Lowest 29·7 in: and less, in a large area lying to the northward and northwestward of our Islands; 29·9 in: and less in shallow depressions lying respectively over Germany, northeastern Austria, and the northern parts of Italy and the Adriatic, with the neighbouring parts of the Mediterranean. Deep depression advancing later to the northwest of Scotland and moving northeastwards; barometer falling briskly on our 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 Thursday, 6th May, 1897.

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 ...	29.93	42	SE	2	c	29.91	-.10	42	41	+ 2	Z	0	0	#	c	#	50	34	-
	Hernösand ...	29.86	40	SW	2	b	29.82	-.17	37	36	- 5	NE	4	0	#	b	#	52	28	-
	Stockholm ...	29.91	50	Z	0	0	29.75	-.29	49	47	- 4	SE	2	0	#	0	#	61	41	0.04
	Wisby	29.90	48	SE	4	bc	29.74	-.29	53	50	+ 9	SSE	4	c	#	bc	#	53	36	-
	Karlstad ...	29.83	47	S	2	b	29.71	-.30	43	41	+ 1	S	2	0	#	b	#	#	#	-
	Bodö	29.65	45	Z	0	bc	29.64	-.04	50	43	+ 5	ESE	2	c	1	bc	#	50	37	0.87
	Christiansund ...	29.54	48	S	2	c	29.58	+.15	43	41	- 7	S	2	c	4	c	#	55	43	-
	Skudesnaes ...	29.69	45	S	6	m	29.71	+.07	44	41	0	NSW	2	c	4	m	#	46	39	#
	Færder (Christiania Fjord)	29.77	45	SE	5	r	29.67	-.23	42	42	- 3	NE	1	r	3	r	#	46	42	0.59
	Skagen (The Scaw)	29.81	44	SSW	3	r	29.64	-.34	44	43	0	NW	1	r	0	r	#	48	43	0.59
	Fanö	29.79	47	SW	1	r	29.76	-.16	46	45	- 1	W	4	c	#	r	#	50	43	0.35
	Sumburgh Head	29.36	42	NSW	4	r	29.69	+.57	39	38	- 5	NNW	4	0	5	0, r	#	48	37	0.17
	Stornoway ...	29.63	45	NNW	4	c	29.89	+.53	38	38	- 4	NNW	4	c	5	q h, c	9.5	45	37	0.29
	Wick	29.86	46	NW	4	c	29.81	+.50	45	44	- 2	NW	4	c p u	4	c p	#	50	35	0.15
	Nairn	29.64	44	W	3	c	29.87	+.43	45	44	- 1	W	2	c	2	c	#	48	38	0.10
	Aberdeen ...	29.64	49	W	4	bcq	29.88	+.39	46	40	- 5	NW	3	bc	1	b c q	13.0	57	37	-
British Islands	Leith	29.71	48	W	4	0	29.92	+.32	47	41	0	W	3	b	#	0	#	54	36	0.01
	Shields	29.76	49	W	4	bc	29.92	+.22	44	40	- 4	W	4	b	2	c p, bc	#	55	36	-
	Spurn Head ...	29.80	49	NNW	6	bc	29.93	+.11	45	43	- 3	NNW	5	bc u	4	bc	#	55	40	-
	York	29.82	51	W	3	b	29.96	+.15	46	40	- 4	NNW	3	b	#	b	8.0	56	36	0.01
	Loughborough ...	29.91	49	W	3	c	30.03	+.15	44	40	- 6	NNW	3	bc	#	c q p bc	#	58	38	0.01
	Ardrossan ...	29.78	44	W	5	cqrhp	29.97	+.32	44	43	- 2	NW	4	b	3	c q p r h	#	50	39	0.07
	Malin Head ...	29.65	44	NNW	6	cqr	30.03	+.36	46	44	+ 4	NNW	4	c	3	c q r	#	46	37	0.07
	Belmullet ...	30.08	43	NW	5	bcqhp	30.15	+.31	44	43	- 2	NSW	2	0	#	b, bc q p h	#	48	38	0.24
	Donaghadee ...	29.91	45	W	6	bcp	30.07	+.32	45	42	- 2	NNW	6	b	4	bcp	#	52	36	0.04
	Liverpool (Bidston)	29.91	46	W	6	c	30.05	+.19	45	40	- 2	W	6	bc	5	c q p	#	52	41	0.02
	Holyhead ...	29.95	47	NNW	5	bcp	30.11	+.25	45	42	- 6	NNW	6	c	5	b c p h, p	#	52	40	0.08
	Parsonstown ...	30.05	47	NW	3	c	30.19	+.30	45	41	- 2	W	1	0	#	c, r h	9.5	52	36	0.02
	Valencia ...	30.18	49	NW	5	cq	30.25	+.21	47	45	- 1	NSW	4	o p	4	b c q, c q	11.5	51	42	0.03
	Roche's Point ..	30.11	50	NW	5	bc	30.25	+.21	46	44	- 3	NNW	2	0	3	p r h, b c	#	52	40	0.01
	Pembroke (St. Ann's Hd.)	30.05	48	NNW	5	b	30.20	+.24	45	42	- 3	NW	4	bc	4	b	10.7	50	41	0.03
	Scilly	30.14	51	NW	6	c	30.24	+.18	49	46	- 1	NNW	5	c	4	c	10.0	53	45	-
	Prawle Point ...	30.06	48	NNW	4	bc	30.21	+.17	49	45	- 3	NW	3	bc	2	h p, b c	#	53	39	0.01
	Jersey (St. Aubin's)	30.11	52	W	5	b	30.21	+.09	50	45	- 2	NW	4	bc	3	p, b	#	54	44	0.10
	Hurst Castle ...	30.01	52	NNW	4	b	30.14	+.15	47	44	- 4	NNW	5	c	2	b q p, b	#	57	40	0.01
	Dungeness ...	29.93	50	NNW	5	bcp	30.06	+.08	48	42	- 1	NW	4	bc	3	c, b c p	#	53	34	0.04
	North Foreland	29.90	48	NW	5	p	30.04	+.01	46	44	- 4	NW	4	b	4	0, p	#	56	42	0.05
	London (Brixton) ...	29.94	49	W	2	bc	30.08	+.13	46	41	- 4	NW	3	bc	#	o p, c, b	3.2	59	35	0.03
	Oxford	29.99	46	W	3	b	30.09	+.15	45	40	- 3	NW	2	bc	#	p, t h, b	#	57	36	0.05
	Cambridge ...	29.91	49	NW	4	p	30.04	+.13	46	42	- 4	NW	3	b	#	c, p	8.0	59	37	-
	Yarmouth ...	29.84	50	W	3	c	29.95	+.06	44	40	- 5	NNW	5	c	3	b c, c	#	52	37	0.02
Germany & Holland	Cuxhaven ...	29.86	50	NSW	4	r	29.79	-.25	48	47	+ 5	NW	3	c	#	r	#	57	43	0.24
	Berlin	29.92	54	W	2	b	29.81	-.25	50	47	+ 4	W	3	o	#	b	#	61	43	-
	Wiesbaden ...	#	#	#	#	#	29.97	-.20	48	44	+ 5	W	5	bc	#	#	#	63	43	0.08
	Munich... ..	30.03	46	Z	0	b	29.99	-.17	46	44	+ 2	SW	4	r	#	b	#	54	41	0.04
	The Helder ...	29.82	48	W	1	bc	29.90	-.05	46	42	- 2	NNW	4	bc	3	bc	#	50	46	0.16
France & Belgium.	Brussels ...	#	#	#	#	#	30.04	-.08	46	43	- 1	NNW	4	o	#	o	#	53	38	0.08
	Cape Gris Nez...	29.91	49	NW	6	o	30.02	.00	45	41	- 5	NW	4	b	4	o	#	54	41	0.08
	Paris	30.02	57	NSW	2	r	30.12	-.07	48	45	+ 2	NNW	2	bc	#	r	#	63	40	0.04
	Brest	?	53	NW	3	bc	30.21	+.04	47	43	- 6	NNW	3	c	3	bc	#	54	44	-
	Lorient... ...	30.16	54	W	5	c	30.25	+.09	47	45	- 6	N	3	bc	3	c	#	64	43	-
	Rochefort ...	30.22	57	NW	5	c	30.25	-.01	50	48	+ 1	NE	4	bc	#	c	#	63	48	-
	Belfort	30.04	54	W	2	0	30.06	-.09	43	42	+ 1	W	1	0	#	0	#	61	42	0.04
	Lyons	30.06	59	NNW	2	b	30.10	-.02	53	48	+ 5	N	3	r	#	b	#	62	46	-
	Nice	29.83	62	SW	1	c	29.88	+.03	58	53	- 2	Z	0	b	2	c	#	75	52	-
	Perpignan ...	30.04	62	NW	4	b	30.11	-.01	56	48	0	NW	4	b	#	b	#	67	51	-
	Biarritz ...	30.21	58	NW	4	bc	30.20	-.01	55	50	+ 3	NSW	3	0	4	bc	#	64	52	-
Penin-sula.	Corunna ...																#			
	Lisbon	30.16	57	NNW	5	b	30.13	-.06	62	55	+ 2	NNW	3	b	#	b	#	66	55	-
	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 11.0 hrs;

WEATHER CHARTS

FOR Thursday, 6th May, 1897.

BAROMETER, WIND AND SEA.

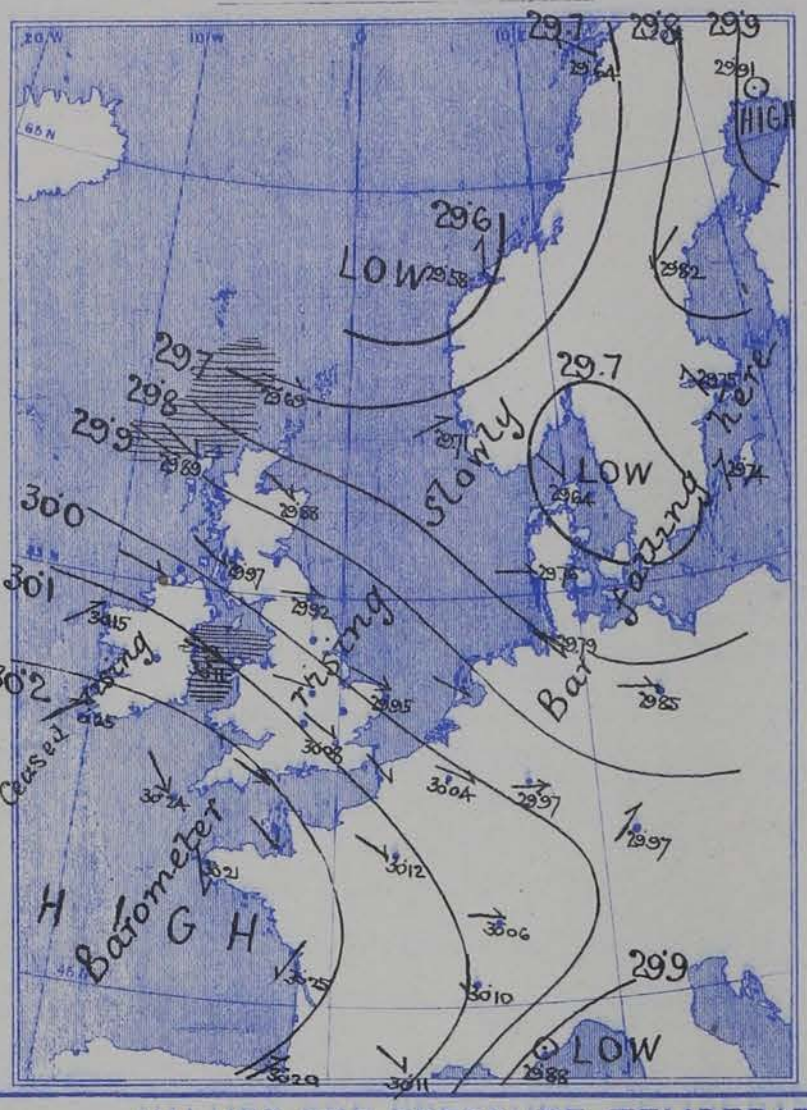
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▓

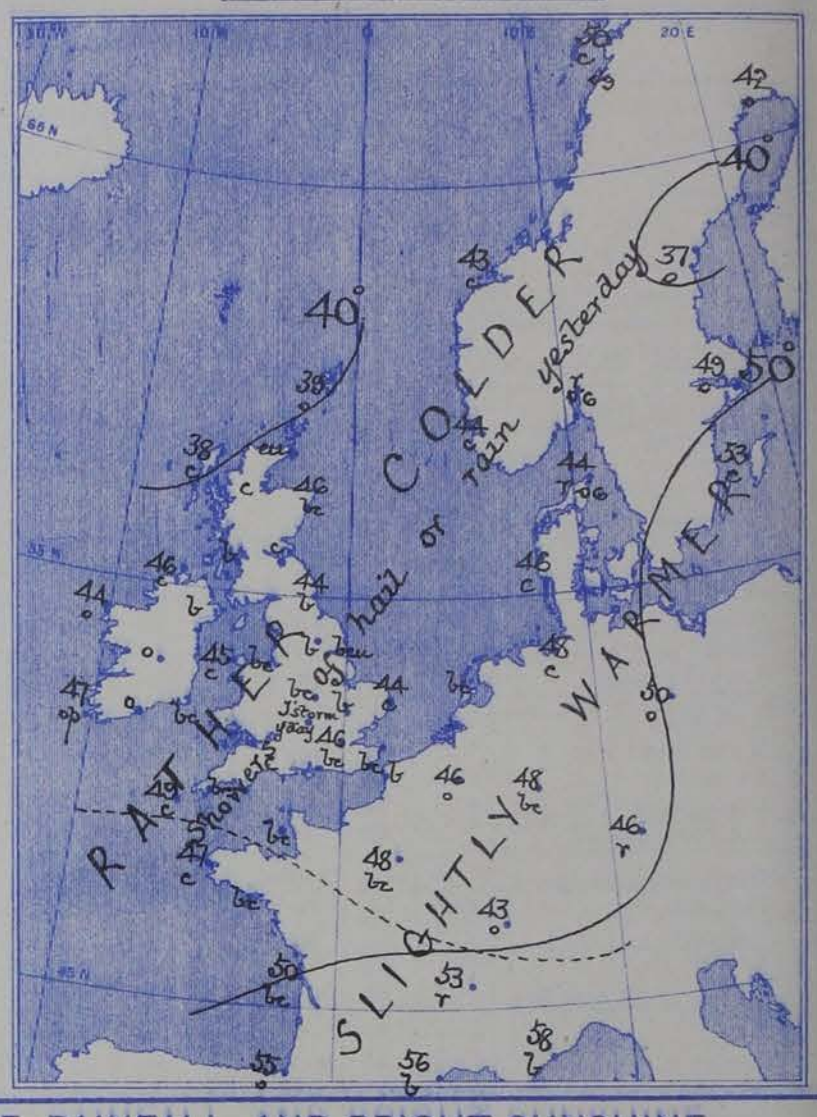


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 the Bay of Biscay, the southwest of our Islands, and the west of France.
Lowest, 29·6 ins: and less, in a shallow depression off the west of Norway; 29·7 ins: and less in another shallow system over the north of Denmark and the south of Sweden.
Gradients slight. Barometer rising in most parts of our Islands, but steady in the extreme west, falling in Sweden, Denmark & Germany.

TEMPERATURE — Highest, 62° at Lisbon, 58° at Nice, 56° at Perpignan, 55° at Biarritz, 53° at Lyons, and 50° at Jersey and Rochefort.
Lowest, 37° at Hernösand, 38° at Stornoway, 39° at Sumburgh Head, 42° at Haparanda, and 43° at Faerder and Christiansund.
Ground frost occurred last night at several of the English stations; in London the thermometer on the grass fell to 27° and at Loughborough to 32°.

WIND — Moderate to fresh from the W. or NW. over the greater part of our Islands, and also over the Netherlands, Denmark and North Germany; but backing to the SW. in the west of Ireland.
Varying between S. and E. at most of the Scandinavian stations; N. or variable over the southern part of France.

WEATHER — Fair or fine over Western Europe as a whole, but dull in the east and south of Ireland, with showers at Valencia (Ireland).
Dull in many part of Sweden, Denmark, Germany, and the south of Norway, with rain at Faerder and the Skaw.
Showers or rain or hail fell yesterday in nearly all parts of the United Kingdom, with a slight thunderstorm at Oxford: heavy rain was experienced at some of the Danish and Norwegian stations. Solar halos were seen at Oxford and Scilly.

SEA — Rather rough in the Irish Sea and also off the north of Scotland, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The backing winds in the west of Ireland seem to point to the approach of another depression, and unsettled weather is therefore likely to set in again shortly over the western and northern parts of the Kingdom.

FORECASTS

For the 24 hours ending at NOON on 7th MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. winds, backing later to the SW. or S.; fair at first, then cloudy with some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW. to W. or SW. winds, moderate; fair, cold.
6	SCOTLAND WEST	W. to S. winds; fair at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW. to SW. winds; fair at first, some showers later.
9	IRELAND NORTH	SW. or S. winds, freshening; cloudy, some rain.
10	IRELAND SOUTH	
	WARNINGS	At 3·55 pm yesterday to districts 0, 1, 2, 6, 7, 9, and 10 "Lower Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·68	46	44	S	8	o	6	Valencia	30·13	50	44	NNW	5	bcq	6
Sumburgh Head	29·31	43	41	NNW	6	o	6	Scilly	30·11	51	48	WNW	5	c	4
Stornoway	29·54	44	44	W	4	c	5	Jersey	30·10	50	49	W	5	o	4
Aberdeen	29·57	55	44	SW	5	bcq	3	Hurst Castle ...	29·98	57	52	W	4	bcp	3
Shields	29·73	49	45	W	6	c	2	Dungeness ...	29·89	52	51	SW	5	c	4
Ardrossan	29·75	45	45	W	5	c	3	North Foreland	29·91	52	51	W	4	o	3
Malin Head ...	29·77	44	42	NW	5	bc	4	London (Westminster)	29·90	58	48	W	3	c	
Belmullet	29·99	47	42	WNW	4	b	*	Yarmouth ...	29·84	51	41	NE	3	bc	3*
Holyhead	29·91	50	47	W	5	bcph	4	Rochefort ...	30·25	60	59	N	4	b	*

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

Weather in morning fine at most of our own western and northern stations, but showery on our extreme northwest coasts; dull and raining over the southeast of England and the neighbouring part of the Continent. Fine in Scandinavia and Denmark, as well as in France, Spain, and the southern parts of Italy and Russia. Dull and unsettled over Austria, Eastern Germany, and the western parts of Russia, with rain in several places. Showers of rain or hail falling later over the United Kingdom generally, with a slight thunderstorm at Oxford. Heavy rain experienced in Norway and Denmark.

Temperature rises over Great Britain and the northern parts of Scandinavia, falls elsewhere. Morning readings highest 67° at Oporto, 64° at Algiers and Sfax, and 63° at Leghorn; above 55° over Southern Europe generally. Lowest: (1) 39° at Prague and 42° at Belfort (2) 40° at Haparanda, and 42° at Hernosand and Karlstad; (3) 42° at Stornoway and Malin Head. Rising during day to 55° and upwards over Great Britain, exceeding 60° over France and Germany, and reaching 75° at Nice.

Wind strong from the W.ward in many parts of our western and northern coasts. Moderate from the SW.ward in the eastern parts of the United Kingdom, as well as over the Netherlands and Denmark; S[3] or SE[2] in Scandinavia, with a gale at Skudesnaes. Light from the SE.ward in Russia, but from the NW.ward in Germany and Austria; N[3] (NW to NE.) over Spain, Italy, and the south of France. Subsequently veering to the NW.ward over our Islands; no important change occurring elsewhere.

Barometer highest 30·2 in: to 30·3 in: in an anticyclone over the Bay of Biscay and the neighbouring parts of France and Spain; 30·1 in: and upwards in another system over Russia. Lowest 29·2 in: and less, in a depression having its centre a little to the northward of the Shetlands; 29·8 in: and less, in a large shallow area over Italy, Turkey and the Balkan Provinces. Depression in north subsequently moving northeastwards, and Barometer rising in all parts of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Friday, 7th May, 1897.

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	46	S	2	r	29.78	-.13	47	47	+ 5	SSE	4	r	*	r	*	52	37	0.20
	Hernösand ...	29.71	40	E	2	f	29.72	-.10	39	37	+ 3	S	6	c	*	f	*	43	30	0.16
	Stockholm ...	29.71	47	S	2	o	29.89	+.14	49	45	0	S	2	b	*	o	*	57	41	0.04
	Wisby	29.80	44	W	4	o	29.97	+.23	44	41	- 9	W	4	b	*	o	*	57	41	0.04
	Karlstad ...	29.60	43	S	4	r	29.80	+.09	43	40	0	SSW	4	b	*	r	*	#	#	-
	Bodö	29.69	48	N	0	o	29.52	-.12	44	43	- 6	N	0	r	0	o	*	52	41	0.12
	Christiansund ...	29.69	45	S	3	f	29.81	+.23	41	39	- 2	WSW	4	r	4	f	*	46	41	-
	Skudesnaes ...	29.78	39	NW	6	c	29.91	+.20	39	37	- 5	NNW	6	c	2	bc,c	*	46	36	*
	Færder (Christiania Fjord)	29.65	43	NW	1	o	29.75	+.08	44	40	+ 2	WSW	4	b	2	o	*	44	41	0.47
	Skagen (The Scaw)	29.74	43	W	3	b	29.88	+.24	44	40	0	NNW	4	b	1	b	*	50	39	0.16
	Fanö	29.99	42	NNW	4	b	30.01	+.25	42	40	- 4	W	4	c	*	b	*	50	41	-
British Islands.	Sumburgh Head	29.84	40	N	4	o	29.97	+.28	37	34	- 2	NE	1	0	3	c,o	*	44	34	0.04
	Stornoway ...	29.96	44	NNW	3	r	29.96	+.07	41	41	+ 3	SSE	3	0	4	f,p,bc,r	6.8	48	33	0.26
	Wick	29.92	43	NW	3	o	30.00	+.19	43	42	- 2	S	2	bc	2	o,p	*	46	29	0.04
	Nairn	29.96	43	NW	1	c	30.00	+.13	43	42	- 2	N	0	bc	1	c,r,s	*	50	32	0.25
	Aberdeen ...	29.97	45	NNW	2	bc	30.04	+.16	46	40	0	E	2	b	1	fl,bc,p	10.2	50	35	0.23
	Leith	29.98	50	W	4	o	30.03	+.11	44	41	- 3	NNE	1	bc	*	o	*	57	36	0.02
	Shields	30.01	45	SSW	2	o	30.03	+.11	43	41	- 1	NW	2	bc	2	q,p,o	*	51	36	0.01
	Spurn Head ...	30.03	45	SSW	2	cp	30.03	+.10	46	45	+ 1	WNW	3	c	3	cp	*	50	42	0.15
	York	30.12	54	WNW	3	b	30.05	+.09	47	43	+ 1	NNW	1	bc	*	b	10.4	54	38	0.03
	Loughborough ...	30.10	50	NW	3	b	30.09	+.06	47	43	+ 3	W	2	c	*	bcq,bc	*	54	39	-
	Ardrossan ...	30.01	46	WSW	3	o	29.99	+.02	49	48	+ 5	S	1	c	1	b,o	*	51	41	-
	Malin Head ...	30.04	45	NNW	4	cp	29.92	+.11	45	45	- 1	S	3	or	1	bc,cp	*	48	41	0.08
	Belmullet ...	30.17	50	NNW	3	bc	30.01	-.14	50	50	+ 6	W	3	orm	*	bc	*	50	40	0.35
	Donaghadee ...	30.08	47	W	4	cp	30.03	-.04	46	45	+ 1	SSW	4	r	2	cp	*	52	38	0.06
	Liverpool (Bidston)	30.11	49	W	4	b	30.07	+.02	45	43	0	W	2	0	2	cp	*	51	42	0.06
	Holyhead ...	30.12	47	SW	3	om	30.07	-.04	45	45	0	SW	2	rm	1	c,om	*	53	42	0.10
	Parsonstown ...	30.16	48	W	1	o	30.04	-.15	51	50	+ 6	W	1	0	*	c,p,r	2.6	53	44	0.33
	Valencia ...	30.26	50	W	3	o	30.15	-.10	52	51	+ 5	W	5	ogm	4	bc,o	6.3	52	46	0.15
	Roche's Point ...	30.22	51	NW	5	bc	30.12	-.13	52	52	+ 6	NW	3	rm	3	bcq	*	54	45	0.04
	Pembroke (St. Ann's Hd.)	30.17	48	W	5	o	30.11	-.09	47	47	+ 2	SW	4	rq	4	c,o	3.2	48	45	0.13
	Scilly	30.28	50	WNW	4	c	30.21	-.03	49	49	0	W	4	r	4	c	7.2	53	46	0.04
	Prawle Point ...	30.24	48	WNW	4	b	30.20	-.01	47	47	- 2	WSW	4	pu	3	c	*	53	44	0.01
	Jersey (St. Aubin's)	30.25	51	WNW	4	b	30.24	+.03	52	48	+ 2	W	4	cm	3	bc,b	*	54	47	-
	Hurst Castle ...	30.17	54	WNW	4	bc	30.16	+.02	50	48	+ 3	W	3	ou	2	cp,bc	*	55	45	-
	Dungeness ...	30.10	51	WNW	4	bc	30.12	+.06	50	47	+ 2	W	3	cp	2	c,bc	*	57	36	0.01
	North Foreland	30.11	54	W	3	c	30.12	+.08	47	45	+ 1	W	3	c	2	bc,c	*	54	38	0.01
	London (Brixton) ...	30.11	52	WNW	3	b	30.14	+.06	50	45	+ 4	NW	2	bc	*	b,c,r,p,b	10.2	55	38	-
	Oxford	30.16	47	W	4	c	30.13	+.04	48	45	+ 3	W	2	o	*	c	*	50	40	-
	Cambridge ...	30.10	52	NW	3	c	30.11	+.07	49	45	+ 3	NW	1	b	*	bc,c	12.3	55	34	-
	Yarmouth ...	30.03	49	N	2	ev	30.04	+.09	46	43	+ 2	NW	4	c	3	cq,c,r	*	50	38	0.04
Germany & Holland.	Cuxhaven ...	29.89	47	NW	3	bc	30.03	+.24	45	45	- 3	W	3	bc	*	bc	*	52	43	-
	Berlin	29.95	50	NW	4	bc	30.08	+.27	46	43	- 4	W	3	c	*	bc	*	51	39	-
	Wiesbaden ...	*	*	*	*	*	30.17	+.20	44	41	- 4	W	3	bc	*	*	*	55	37	-
	Munich	30.08	45	SW	5	o	30.15	+.16	39	38	- 7	NW	3	o	*	o	*	50	30	0.12
	The Helder ...	30.00	46	NW	2	bc	30.03	+.13	46	43	0	SW	1	r	1	bc	*	46	43	0.04
Belgium.	Brussels ...	*	*	*	*	*	30.17	+.13	46	42	0	SW	2	b	*	b	*	53	35	-
	Cape Gris Nez ...	30.08	49	W	2	bc	30.11	+.09	49	47	+ 4	W	3	o	3	bc	*	52	43	-
	Paris	30.17	48	NW	2	bc	30.25	+.13	44	41	- 4	SW	2	m	*	bc	*	54	34	0.04
	Brest ...	30.31	51	NNW	3	bc	30.30	+.09	51	46	+ 4	WNW	2	o	2	bc	*	54	45	0.04
	Lorient	30.28	52	NW	5	b	30.31	+.06	50	48	+ 3	NW	3	c	4	b	*	59	45	-
France &	Rochefort ...	30.27	54	NW	5	c	30.35	+.10	48	45	- 2	NNW	3	bc	*	c	*	63	43	-
	Belfort	30.12	44	W	2	o	30.19	+.13	40	39	- 3	E	1	o	*	o	*	57	38	-
	Lyons	30.13	52	NW	6	o	30.22	+.12	42	40	- 11	NW	2	r	*	o	*	58	38	0.04
	Nice	29.86	58	SW	1	b	29.72	-.16	58	49	0	N	2	bc	2	b	*	68	48	-
	Perpignan ...	30.09	61	NW	4	o	30.24	+.13	54	47	- 2	NW	3	o	*	o	*	68	49	-
	Biarritz ...	30.23	55	NW	3	o	30.30	+.10	50	47	- 5	N	0	o	4	o	*	61	46	0.04
Peninsula.	Corunna ...																*			
	Lisbon	30.10	62	NNW	5	b	30.13	.00	66	55	+ 4	NNE	5	b	*	b	*	73	57	-
	Azores (P. Delgada)	30.05	58	ENE	4	c	30.39		58	55		NE	4	c	3	c	*	66	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 10.7 hrs;

WEATHER CHARTS

FOR Friday, 7th May, 1897.

BAROMETER, WIND AND SEA.

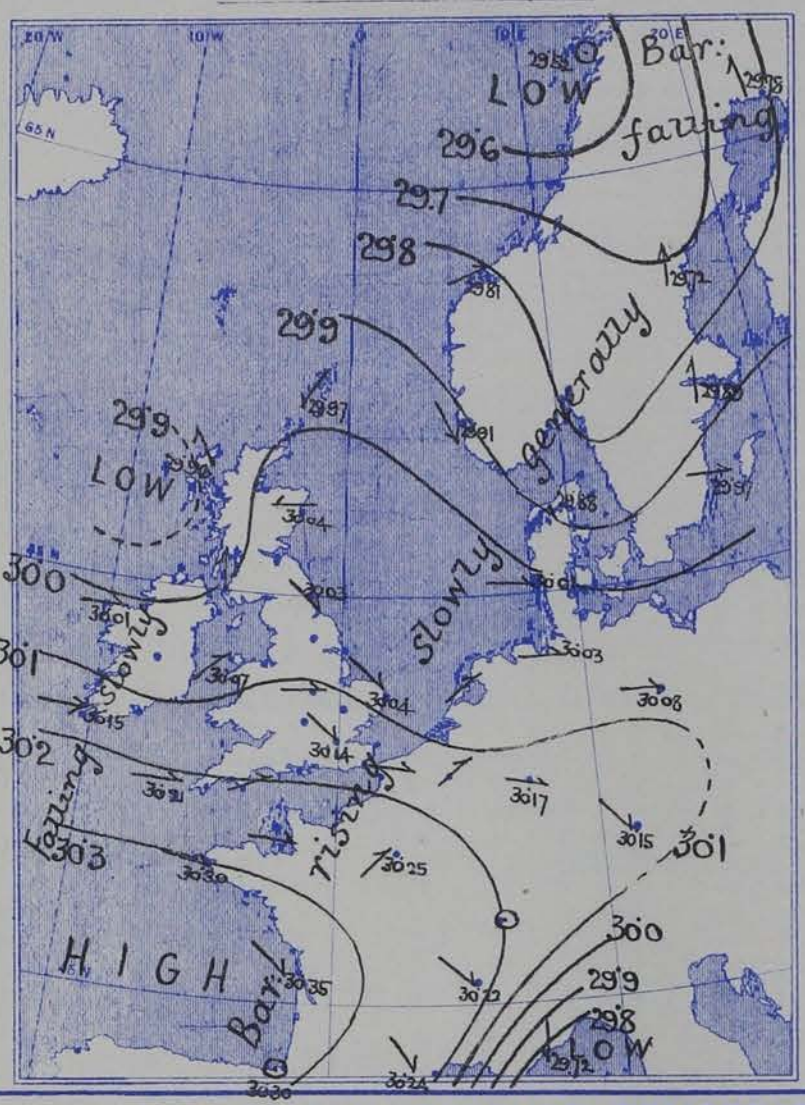
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

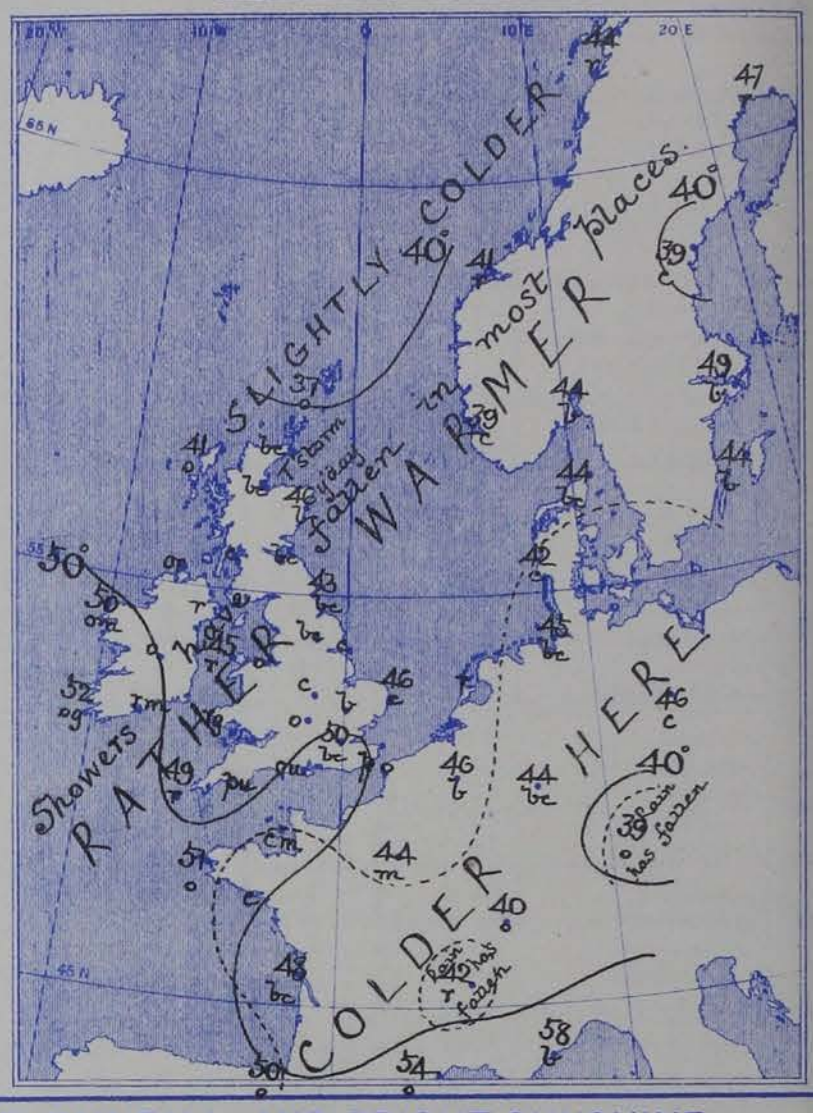


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 . 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 the Bay of Biscay and the neighbouring parts of France and Spain.
Lowest, 29·6 ins: and less, in a depression lying off the coasts of Finmark; 29·8 ins: and less, in another disturbance over the Gulf of Genoa; 29·9 ins: and less (apparently) in a third system off the west of Scotland.
Gradients slight. Barometer falling a little in the west and south of our Islands, as well as in the north of Scandinavia and the extreme south of France, but rising elsewhere.

TEMPERATURE

Highest, (1) 66° at Lisbon, 58° at Nice, and 54° at Perpignan; (2) 52° at Valencia (Ireland), Roche's Point and Jersey.
Lowest, (1) 37° at Seembugh Head, 39° at Skudenaes and Haparanda, and 41° at Christiansund; (2) 39° at Memich and 40° at Belfort.
The maxima registered over our Islands yesterday were as a rule below 55°; at Leith and Dungeness, however, the thermometer rose to 57°.

WIND

Moderate from W.N.W. or S.W.N. in the west and south of our Islands; light from the S.S.W. on our extreme north and northwest coasts.
Light from the N.W.N. in the east of England, and also over the greater part of France, but S.W. in the Netherlands.
W. or N.W. on the eastern shores of the North Sea; S. in Sweden.

WEATHER

Fine in the eastern parts of the United Kingdom, as well as in Denmark, Germany, and the south of France.
Cloudy elsewhere, with rain at most of our eastern stations, and also in the north of Scandinavia, and at the Hilder and Lyons.
Showers fell yesterday in many parts of Great Britain; sleet fell at Nairn, and a little wet snow was observed in some parts of the London District. A thunderstorm occurred at Aberdeen yesterday morning.

SEA

Moderate in the Bay of Biscay and the eastern parts of the English Channel, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland will probably move eastwards, and the dull rainy weather now prevalent in the west is likely to spread shortly to most other districts.

FORECASTS

For the 24 hours ending at NOON on 8TH MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.E. winds, shifting later to the W.N.W. or N.W.; unsettled, some rain.
1	SCOTLAND EAST	S. to W. winds, light; fair at first, then dull and rainy.
2	ENGLAND N.E.	
3	ENGLAND EAST	S.W. to W. winds, moderate; fair at first, then dull and rainy, possibly thunder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	S.W. to N.W. winds, freshening; dull and rainy at first, improving later, but still showery.
7	ENGLAND N.W.	W. to N.W. winds, freshening; dull and rainy at first, but improving later.
8	ENGLAND S.W.	Same as Nos 6 and 7.
9	IRELAND NORTH	Same as No 8.
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 ...	29·75	46	42	NNW	4	bc	3
Sumburgh Head	29·78	43	40	NW	4	c	5
Stornoway	29·95	48	46	NW	3	bc	4
Aberdeen	29·94	44	39	NW	3	c	2
Shields	29·98	46	43	E	3	cp	2
Ardrossan	30·02	50	49	NNW	3	b	2
Malin Head ...	30·04	47	45	WNW	4	bc	3
Belmullet	30·18	50	45	WNW	3	bc	*
Holyhead ...	30·15	52	47	W	3	c	3
Valencia	30·26	52	48	W	5	bc	5
Scilly	30·28	51	46	NNW	4	c	4
Jersey	30·25	52	46	NNW	4	bc	3
Hurst Castle ...	30·17	54	48	W	5	cp	3
Dungeness ...	30·07	55	47	NbW	4	c	3
North Foreland	30·09	54	52	NW	4	bc	4
London (Westminster)	30·10	48	42	NNW	4	cp	*
Yarmouth ...	29·98	49	44	NNE	4	cqp	3
Rochefort ...	30·27	61	55	N	4	bc	*

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

Weather in morning fair or fine over Western Europe as a whole, but dull in the west and south of Ireland, with rain at Valencia. Cloudy, or dull in most of the northern and central countries, with rain in many places; dull also over the central parts of Italy, but fine in Spain. Showers of hail or rain falling later in many parts of Great Britain and a little wet snow in London. Thunderstorm occurring at Aberdeen.

Temperature risen over the central and southern parts of Europe, but fallen elsewhere. Morning readings highest 66° at Algiers and Constantinople, 64° at Barcelona, 63° at Lyphorn, and 62° at Lisbon, above 55° over southern Europe generally, and also over the Baltic Provinces. Lowest (1) 37° at Haparanda, 38° at Stornoway, 39° at Sumburgh Head, and 42° at Haparanda. Daily maxima below 55° in many parts of the United Kingdom, but thermometer touching 57° at Leith and Dungeness; exceeding 60° in the south of France, and reaching 73° at Lisbon. Ground frost occurring at some of the inland English stations at night.

Wind moderate to fresh from the W^d or NW^d over the greater part of our Islands and also over the Netherlands, Denmark, Germany, Austria, and the Adriatic, SE^d over Russia and Sweden; variable in the south of Norway. Variable in Italy, N^d in Spain and the south of France. Subsequently backing to the SW^d in the north of England; no important change occurring elsewhere.

Barometer highest 30·2 in: and upwards in an anticyclone lying over the Bay of Biscay and the neighbouring parts of our Islands, France, and Spain and also in another system over the northern parts of Russia. Lowest 29·6 in: and less, in a shallow depression off the west of Norway; 29·7 in: and less, in another disturbance over the north of Denmark and the south of Sweden 29·9 in: and less, in a third over the Gulf of Genoa. No important change occurring over Western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Saturday, 8th May, 1897.

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 ...	29.95	36	SW	2	bc	30.06	+.28	38	36	-9	S	4	b	*	bc	*	50	34	-
	Hernösand ...	29.98	42	SW	2	o	30.07	+.35	44	41	+5	S	2	b	*	o	*	50	34	-
	Stockholm ...	30.07	46	S	2	c	30.23	+.34	50	42	+1	SW	2	b	*	c	*	55	37	-
	Wisby	30.13	42	SSW	4	b	30.29	+.32	44	39	0	W	4	b	*	b	*	50	36	-
	Karlstad ...	30.02	44	S	2	b	30.11	+.31	41	39	-2	SSW	4	o[illegible]	*	b	*	*	*	-
	Bodö	29.80	37	NSW	4	o	29.88	+.36	43	39	-1	E	2	bc	1	o	*	44	36	0.20
	Christiansund ...	29.99	41	E	0	c	29.73	-.08	43	39	+2	ESE	3	c	3	c	*	43	37	0.12
	Skudesnaes ...	30.06	42	NNW	4	b	29.97	+.06	42	37	+3	SSE	8	o	5	b	*	45	36	*
	Færder (Christiania Fjord)	29.94	45	S	3	bc	30.06	+.31	43	41	-1	SW	6	b	4	bc	*	46	41	-
	Skagen (The Scaw)	30.05	42	SW	1	c	30.18	+.30	43	39	-1	NSW	3	b	0	c	*	50	37	-
	Fanö	30.04	41	NNW	1	b	30.20	+.19	43	40	+1	S	4	b	*	b	*	50	36	-
British Islands.	Sumburgh Head	29.93	41	S	3	b	29.92	-.55	47	47	+10	NSW	4	r	6	o,b	*	48	37	0.44
	Stornoway ...	29.79	46	SW	5	o	29.64	-.32	46	45	+5	NNW	3	o	3	c,ov.o	1.9	47	39	0.19
	Wick	29.87	43	S	5	b	29.57	-.43	47	47	+4	NW	4	ru	5	b	*	52	42	0.12
	Nairn	29.85	51	SW	2	o	29.61	-.39	53	52	+10	W	2	c	1	o	*	55	41	0.01
	Aberdeen ...	29.98	43	SSE	4	cqp	29.65	-.39	54	51	+8	SW	3	c	3	bcq.rq	9.7	54	42	0.08
	Leith	29.96	50	NNE	2	o	29.76	-.27	54	52	+10	NSW	2	o	*	c	*	54	42	-
	Shields	30.02	45	ESE	3	o	29.87	-.16	52	51	+9	SSW	2	o	2	c,o	*	52	42	0.01
	Spurn Head ...	30.06	45	ESE	4	c	29.99	-.04	53	52	+7	SSW	3	o	3	c	*	53	45	-
	York	30.05	50	ESE	1	o	29.99	-.06	53	51	+6	S	2	o	*	c,o	5.7	55	45	-
	Loughborough ...	30.07	51	NSW	1	o	30.06	-.03	54	52	+7	NSW	2	om	*	c.om.c	*	54	47	-
	Ardrossan ...	29.94	47	S	2	rm	29.80	-.19	51	51	+2	NSW	4	oqp	3	rm	*	51	47	0.09
	Malin Head ...	29.90	49	NSW	4	f	29.84	-.08	49	49	+4	NSW	5	f	2	f	*	49	44	0.17
	Belmullet ...	30.04	51	W	3	om	30.00	-.01	51	50	+1	W	3	o	*	of.m	*	52	48	0.06
	Donaghadee ...	29.98	49	SSW	3	o	29.91	-.12	55	54	+6	NSW	5	o	3	o	*	55	44	0.07
	Liverpool (Bidston)	30.03	51	SE	1	o	30.00	-.07	55	52	+10	SSW	1	o	1	op	*	55	45	0.01
	Holyhead ...	30.03	50	SW	2	o	30.01	-.06	51	50	+6	SW	4	om	3	ma,o	*	51	44	0.10
	Parsonstown ...	30.05	54	W	1	o	30.04	.00	53	52	+2	W	2	d	*	o,d	0.0	55	50	-
	Valencia ...	30.17	52	W	2	om	30.16	+.01	52	52	0	WSW	4	rm	4	opm,om	0.0	53	50	0.04
	Roche's Point ...	30.11	57	WNW	4	c	30.14	+.02	56	53	+4	WNW	3	c	3	c	*	59	50	-
	Pembroke (St. Ann's Hd.)	30.06	50	W	3	o	30.11	.00	50	50	+3	W	3	ogm	4	o	0.0	50	46	0.13
	Scilly	30.15	52	WNW	5	m	30.19	-.02	51	51	+2	WNW	5	f	4	o,m	0.0	54	48	0.04
	Prawle Point ...	30.12	51	NSW	4	m	30.17	-.03	51	51	+4	NSW	4	om	3	rf.om	*	52	45	0.04
	Jersey (St. Anbin's)	30.14	52	W	4	rm	30.20	-.04	52	52	0	W	3	opm	3	r,pm	*	52	48	0.37
	Hurst Castle ...	30.10	50	SSW	3	om	30.15	-.01	52	52	+2	SW	2	om	1	op.om	*	52	48	0.02
	Dungeness ...	30.09	50	NSW	4	oq	30.14	+.02	51	50	+1	SSW	3	o	2	o,oq	*	55	47	-
	North Foreland	30.12	52	S	2	o	30.15	+.03	52	50	+5	S	4	c	3	c,o	*	54	44	-
	London (Brixton) ...	30.10	48	SW	2	c	30.13	-.01	53	50	+3	S	2	o	*	c.op.o	4.4	56	47	-
	Oxford	30.10	50	SW	2	o	30.11	-.02	52	51	+4	SW	1	oq	*	op	*	54	48	-
	Cambridge ...	30.08	53	SW	1	o	30.11	.00	52	51	+3	SSW	2	o	*	c.o	4.9	56	44	-
	Yarmouth ...	30.08	48	ESE	2	bc	30.08	+.04	51	49	+5	SSW	3	c	3	bc	*	51	45	0.02
Germany & Holland.	Cuxhaven ...	30.08	48	N	1	o	30.19	+.16	44	42	-1	SSW	2	om	*	oap.m	*	50	39	0.04
	Berlin	30.12	49	NE	0	b	30.26	+.18	47	44	+1	NE	0	o	*	b	*	57	41	-
	Wiesbaden ...	*	*	*	*	*	30.25	+.08	47	45	+3	W	1	c	*	*	*	54	43	-
	Munich	30.19	39	SW	4	o	30.27	+.12	42	40	+3	SW	3	o	*	o	*	45	39	0.04
	The Helder ...	30.09	46	NW	1	b	30.15	+.12	47	45	+1	S	1	b	1	b	*	48	37	0.16
Belgium.	Brussels ...	*	*	*	*	*	30.23	+.06	50	47	+4	S	1	b	*	b	*	55	37	0.08
	Cape Gris Nez ...	30.09	49	W	4	o	30.13	+.02	51	48	+2	S	2	bc	1	o	*	54	45	0.08
	Paris	30.19	50	NE	0	bc	30.22	-.03	50	48	+6	SE	1	b	*	bc	*	57	43	0.04
	Brest	30.23	52	NNW	3	f	30.24	-.06	51	51	0	W	3	f	3	f	*	52	46	-
	Lorient	30.22	53	W	5	r	30.23	-.08	53	52	+3	NW	4	o	4	r	*	55	43	0.04
France &	Rochefort ...	30.32	55	NW	4	c	30.26	-.09	55	53	+7	NW	4	o	*	c	*	61	48	0.20
	Belfort	30.21	44	SE	2	o	30.22	+.03	44	42	+4	NE	0	m	*	o	*	54	36	-
	Lyons	30.22	49	N	3	b	30.23	+.01	46	44	+4	NW	1	o	*	rp.b	*	54	42	-
	Nice	29.89	50	NE	0	bc	29.94	+.22	54	45	-4	NE	1	b	2	bc	*	63	43	0.39
	Perpignan ...	30.21	50	NW	4	b	30.20	-.04	58	48	+2	NW	4	o	*	b	*	63	50	-
	Biarritz ...	30.31	58	NW	3	b	30.28	-.02	52	51	+2	NSW	5	r	4	b	*	66	48	0.08
Penin-sula.	Corunna ...																*			
	Lisbon	30.12	69	N	4	b	30.12	-.01	65	54	-1	NNE	5	b	*	b	*	781	61	-
	Azores (P. Delgada)	30.38	55	NE	4	c	30.31	-.08	57	55	-1	ENE	4	c	3	c	*	64	54	0.08

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 Saturday, 8th May, 1897.

BAROMETER, WIND AND SEA.

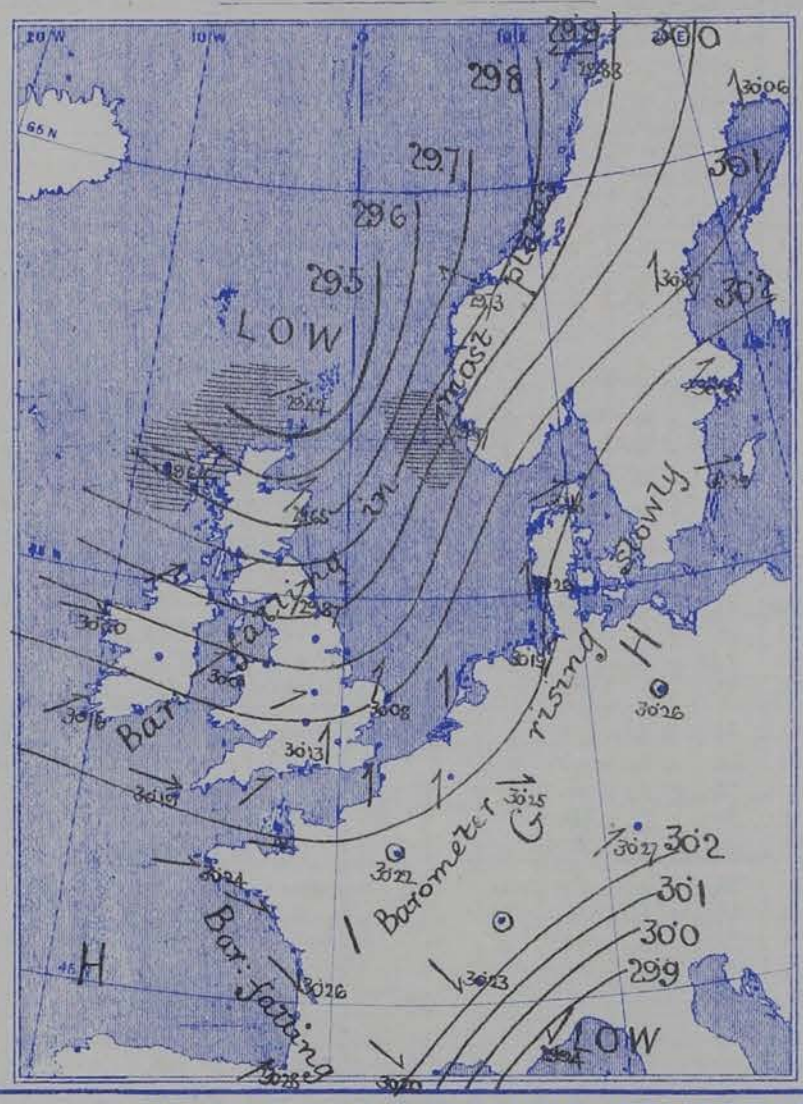
BAROMETER—Isobars are drawn for each tenth of an inch.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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, over the greater part of France, Germany, Denmark and the south of Sweden.
Lowest, 29·5 ins: and less, in a well marked depression having its centre near the Shetlands.
Gradients moderate or slight generally, but rather steep over the northern part of the North Sea.
Barometer falling in most parts of our Islands, and also on the west coasts of France and Norway, but rising elsewhere.

TEMPERATURE

Highest, (1) 56° at Roche's Point and 55° at Donaghadee and Liverpool: (2) 56° at Perpignan, 55° at Rochefort and 54° at Nice.
Lowest, (1) 36° at Haparanda, 41° at Haparanda, and 42° at Skudesnaes: (2) 42° at Munich and 44° at Belfort.
During yesterday the thermometer rose to 55° or slightly above it in many parts of the United Kingdom and to 59° at Roche's Point.

WIND

Moderate from the W^ard or SW^ard on our western and northern coasts generally, but strong from the NW^ward at Wick.
Light from the S^ward over the east of England, as well as over the Netherlands, Denmark and Sweden; SE in the west of Norway, with a gale at Skudesnaes.
NW in the west and south of France.

WEATHER

Cloudy or dull over the greater part of our Islands, France, and Germany, with fog at the mouth of the Channel and mist on several parts of our western and southern coasts. Rain is falling at Valencia (Ireland) and also at Lumbergh Hd and Wick.
Fine and bright over Sweden, Denmark, and the Netherlands.
Since yesterday morning rain has fallen in many parts of our area. Solar halos were seen at several of the English stations.

SEA

Rough off the north of Scotland and rather rough at Skudesnaes, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the neighbourhood of the Shetlands is likely to pass away to the northward, but there are some indications of the approach of small secondary systems from the westward, so that cloudy showery weather is probable in many places.

FORECASTS

For the 24 hours ending at NOON on 9TH MAY, 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly winds, strong at first, but moderating later; rainy to fair.
1 SCOTLAND EAST	Same as No 5
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	SW^ly winds, light; cloudy, close, probably some showers.
6 SCOTLAND WEST	SW^ly winds, moderate; dull, showery.
7 ENGLAND N.W.	
8 ENGLAND S.W.	W^ly to SW^ly winds, moderate or fresh; mild, changeable, some rain.
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 ...	29·99	45	40	NNW	6	bc	2
Sumburgh Head	29·99	42	38	S	1	o	3
Stornoway	29·88	47	45	SSW	4	ov	5
Aberdeen	30·03	43	39	SSE	4	bcq	3
Shields	30·04	46	43	ESE	2	c	2
Ardrossan	29·97	48	48	S	2	r	2
Malin Head ...	29·90	48	48	WSW	3	f	1
Belmullet	30·05	52	51	W	3	of	*
Holyhead	30·03	49	48	SSW	2	dm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·16	52	52	WSW	3	opm	4
Scilly	30·16	53	52	WNW	4	o	4
Jersey	30·20	50	50	SW	5	r	4
Hurst Castle ...	30·13	50	49	SW	4	op	2
Dungeness ...	30·08	53	49	WSW	4	o	3
North Foreland	30·12	54	52	W	3	c	2
London (Westminster)	30·09	57	49	WSW	2	o	*
Yarmouth ...	30·05	49	45	NNE.	4	bv	3
Rochefort ...	30·35	58	53	NW	4	c	*

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

Weather in morning dull and rainy on our western coasts, but fine in all the more eastern parts of the United Kingdom, as well as in Western Germany, Denmark, the south of Sweden, and most part of southern Europe. Rainy over the northern part of Scandinavia, dull over Western Russia and the greater part of Germany, Austria, and Central France, with rain in a few places. Rainy weather setting in later over the northern parts of our Islands, as well as in many parts of France and the Netherlands.

Temperature risen slightly in our Islands and also in Italy, but fallen in most other countries. Morning readings highest, 70° at Sfax, 66° at Lisbon and Athens, and 64° at Brindisi, San Fernando and Algiers; above 55° at many of the Russian stations. Lowest (1) 37° at Sumburgh Head and 39° at Skudesnaes and Stornoway; (2) 39° at Arkmel, 40° at Belfast, and 42° at Lyons. Rising generally day to 55° and upwards in several parts of the United Kingdom and to 59° at Roche's Point; exceeding 60° in the south of France, and reaching 81° at Lisbon.

Wind moderate from the W.ward or SW.ward in the west and south of our Islands, but light from the S.ward in our extreme north and northwest coasts; NW. in the east of England, SW. over the Netherlands, W. over Denmark and North Germany, and S. over Sweden and nothern Russia. NW. over Eastern Germany, Austria, and the Adriatic, as well as in the west and south of France, but S. or SE. over northern Italy; NE. over the Spanish Peninsula. Subsequently shifting to the SE.ward in the east of England; no important change occurring elsewhere.

Barometer highest 30·3 in. and upwards, in an anticyclone lying over the Bay of Biscay, and the neighbouring parts of France and Spain; 30·1 in. and upwards, in another system over Russia. Lowest 29·6 in. and less, in a shallow depression off the northwest of Norway; 29·8 in. and less in a deeper disturbance over the Gulf of Genoa. New and well marked depression appearing later off the west of Scotland and moving northeastwards.

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 9th May, 1897.

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 ...	30·03	36	S	2	c	29·97	−·09	40	37	+ 2	S	4	bc	*	c	*	45	30	—
	Hernösand ...	29·91	39	S	8	o	29·80	−·27	41	37	— 3	S	6	bc	*	o	*	45	30	—
	Stockholm ...	30·12	45	SW	2	b	29·88	−·35	51	43	+ 1	SSE	4	b	*	b	*	55	36	—
	Wisby	30·20	42	S	4	b	29·95	−·34	50	44	+ 6	SSW	6	b	*	b	*	54	34	—
	Karlstad ...	29·93	46	SSW	6	b	29·60	−·51	42	41	+ 1	SSW	6	r	*	b	*	*	*	0·12
	Bodö	29·62	48	SE	4	c	29·54	−·34	46	39	+ 3	SE	5	bc	2	c	*	50	39	—
	Christiansund ...	29·44	46	ESE	2	o	29·41	−·32	43	41	0	E	3	bc	3	o	*	46	37	—
	Skudesnaes ...	29·62	43	2	o	o	29·59	−·28	43	41	+ 1	SSW	6	c	5	rf.o	*	43	39	*
	Færder (Christiania Fjord)	29·83	46	SSW	6	o	29·57	−·19	44	42	+ 1	W	4	b	4	o	*	46	43	0·39
	Skagen (The Scaw)	29·86	46	SW	5	o	29·66	−·52	45	41	+ 2	NW	4	bc	1	o	*	48	43	0·47
	Fanö	29·93	49	SSW	6	r	29·80	−·40	46	44	+ 3	NW	6	c	*	r	*	52	43	0·24
British Isl.	Sumburgh Head	29·46	42	WSW	4	o	29·64	+·22	43	42	— 4	NW	6	o	6	r.o	*	50	35	0·20
	Stornoway ...	29·74	43	NW	6	o	29·99	+·35	45	44	— 1	NNW	6	c	7	bc.hg,ac	6·0	49	40	0·15
	Wick	29·63	41	NW	8	o	29·85	+·28	45	41	— 2	NW	7	ow	5	o	*	52	39	0·05
	Nairn	29·75	48	W	5	bc	29·95	+·34	43	43	— 10	NNW	4	p	5	bc	*	55	37	0·10
	Aberdeen ...	29·74	50	WNW	6	cq	29·93	+·28	43	41	— ·11	NW	8	cpq	4	ep.cq	3·7	60	41	0·02
	Leith	29·86	47	WSW	4	b	30·02	+·26	54	46	0	W	3	c	*	b	*	58	40	—
	Shields	29·85	54	W	4	c	30·03	+·16	49	44	— 3	W	4	bc	2	c	*	60	40	—
	Spurn Head ...	29·90	54	W	4	o	30·02	+·03	47	45	— 6	WNW	5	bc	4	o.r	*	61	43	0·04
	York	29·91	56	WNW	3	o	30·10	+·11	48	41	— 5	W	4	bc	*	o	0·3	58	40	—
	Loughborough ...	29·99	58	W	3	o	30·15	+·09	46	42	— 8	NW	4	bc	*	c,o,c,bc	*	66	43	—
	Ardrossan ...	29·91	50	W	5	c	30·09	+·29	48	46	— 3	WNW	5	b	3	c	*	52	43	0·01
	Malin Head ...	29·99	46	NW	5	c	30·19	+·35	47	45	— 2	NNW	5	bcp	3	cp	*	49	43	0·02
	Belmullet ...	30·18	51	NW	4	b	30·31	+·31	50	46	— 1	NNW	1	c	*	o,b	*	52	41	—
	Donaghadee ...	30·03	54	ENE	5	c	30·20	+·29	46	44	— 9	NW	5	c	3	c	*	58	40	0·01
	Liverpool (Bidston)	30·01	51	WSW	5	o	30·18	+·18	48	43	— 7	W	6	b	5	op	*	58	43	0·03
	Holyhead ...	30·07	50	NW	3	c	30·24	+·23	50	47	— 1	NW	4	b	3	qbf.c	*	54	44	0·01
	Parsonstown ...	30·13	53	NW	1	bc	30·30	+·26	50	46	— 3	NW	1	bc	*	bc	2·3	58	40	—
	Valencia ...	30·24	52	NW	4	cq	30·35	+·19	51	48	— 1	W	2	o	4	ocq	2·4	54	43	—
	Roche's Point ...	30·10	54	NW	4	bc	30·32	+·18	52	48	— 4	NW	3	bc	3	bc	*	58	47	—
	Pembroke (St. Ann's Hd.)	30·11	50	WNW	3	o	30·27	+·16	49	48	— 1	NW	3	b	3	o	0·0	51	45	—
	Scilly	30·20	52	W	4	om	30·30	+·11	51	48	0	NNW	4	c	3	om	0·0	55	47	—
	Prawle Point ...	30·15	52	WSW	4	o	30·26	+·09	53	48	+ 2	N	3	b	2	om,c	*	55	45	—
	Jersey (St. Aubin's)	30·20	53	W	4	o	30·24	+·04	52	49	0	NW	4	bc	3	of	*	54	50	0·02
	Hurst Castle ...	30·11	52	SW	3	om	30·19	+·04	52	49	0	N	3	c	1	om	*	51	49	—
	Dungeness ...	30·09	51	SSW	4	cp	30·12	−·02	51	46	0	NNW	4	c	3	cpf	*	56	47	—
	North Foreland	30·09	54	SSW	3	o	30·13	−·02	50	49	— 2	WNW	5	b	4	bc,o	*	58	47	—
	London (Brixton) ...	30·05	60	W	2	o	30·17	+·04	49	42	— 4	NW	3	bc	*	o.bc	1·2	65	47	—
	Oxford	30·06	53	WSW	3	o	30·19	+·08	49	43	— 3	NW	3	c	*	o.a	*	63	45	—
	Cambridge ...	30·00	61	SW	4	o	30·16	+·05	50	45	— 2	NW	3	b	*	o	1·8	66	43	0·03
	Yarmouth ...	29·96	57	S	4	c	30·05	−·03	49	44	— 2	WNW	4	bc	4	bc.c	*	58	44	—
Germany & Holland.	Cuxhaven ...	30·11	52	SW	2	b	29·81	−·38	48	45	+ 4	NW	4	c	*	b,r	*	57	44	0·35
	Berlin	30·19	54	S	1	b	29·94	−·32	50	44	+ 3	SW	5	o	*	b	*	63	43	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30·27	44	SW	2	c	30·16	−·11	46	42	+ 4	SW	3	b	*	c	*	50	36	—
	The Helder ...	30·00	51	SSW	3	o	29·98	−·17	48	44	+ 1	NW	4	bc	4	o	*	54	47	0·16
Belgium.	Brussels ...	*	*	*	*	*	30·07	−·16	48	45	— 2	NNW	2	o	*	o	*	61	46	0·12
	Cape Gris Nez ...	30·08	52	SW	4	m	30·08	−·05	50	45	— 1	NNE	4	c	4	m	*	57	46	—
	Paris	30·20	58	SW	2	b	30·13	−·09	53	52	+ 3	WNW	3	m	*	b	*	60	50	—
	Brest	30·26	52	WNW	3	m	30·28	+·04	51	48	+ 0	WNW	3	bc	2	m	*	54	48	—
	Lorient	30·26	55	WNW	4	o	30·26	+·03	52	51	— 1	NW	3	c	4	o	*	63	43	—
France &	Rochefort ...	30·29	58	NW	4	c	30·30	+·04	54	54	— 1	NW	4	f	*	c	*	63	52	—
	Belfort	30·19	62	2	o	m	30·17	−·05	42	40	— 2	WSW	1	f	*	m	*	62	37	—
	Lyons	30·17	57	N	1	b	30·21	−·02	49	46	+ 3	WNW	1	o	*	b	*	63	45	—
	Nice	29·98	57	NW	1	b	30·01	+·07	59	47	+ 5	ENE	2	b	1	b	*	64	48	—
	Perpignan ...	30·18	63	NW	5	b	30·24	+·04	61	54	+ 5	NW	3	b	*	b	*	67	55	—
	Biarritz ...	30·26	57	NW	3	o	30·28	·00	56	55	+ 4	NW	3	o	2	o	*	68	52	0·12
Penin-sula.	Corunna ...	30·33	60	N	7	b	30·29	−·09	59	55	+ 4	NE	3	b	2	b	*	61	52	—
	Lisbon	30·05	73	NNE	5	b	30·08	−·04	67	58	+ 2	ENE	4	b	*	b	*	82	61	—
	Azores (P. Delgada)	30·28	59	ENE	4	o	30·22	−·09	59	56	+ 2	ENE	5	o	4	o	*	63	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 0·1 hrs;

WEATHER CHARTS

FOR SUNDAY, 9TH MAY, 1897.

BAROMETER, WIND AND SEA.

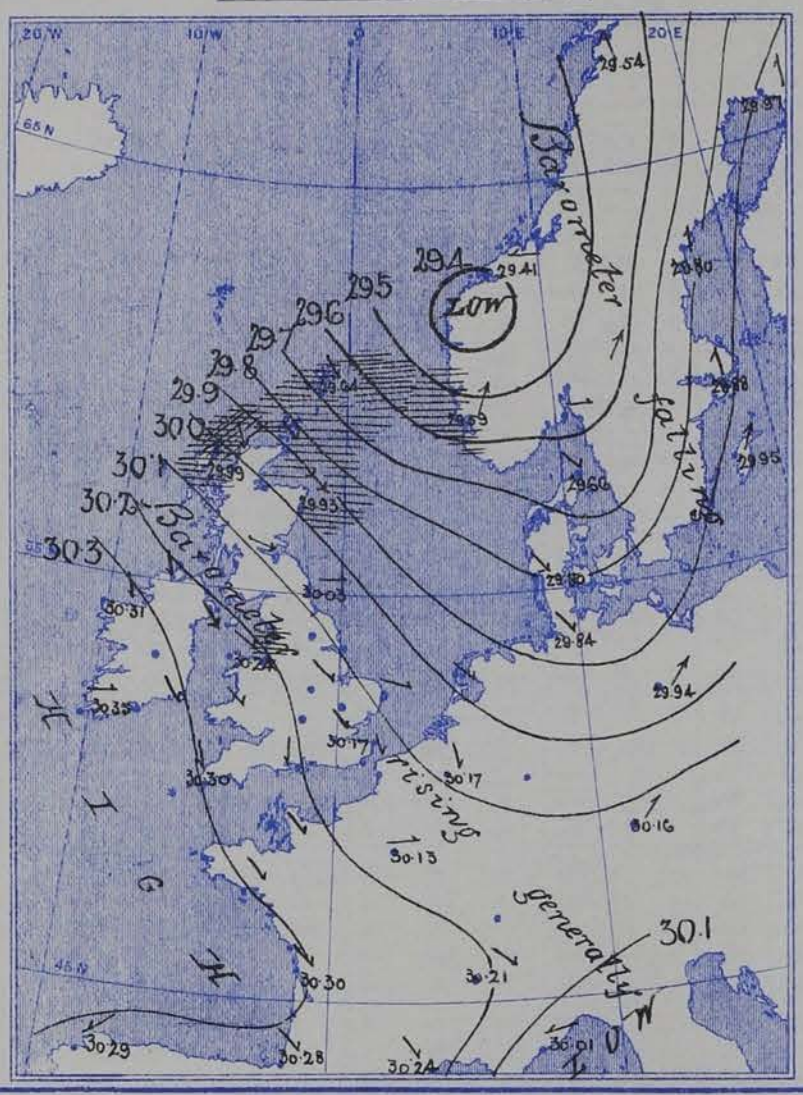
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

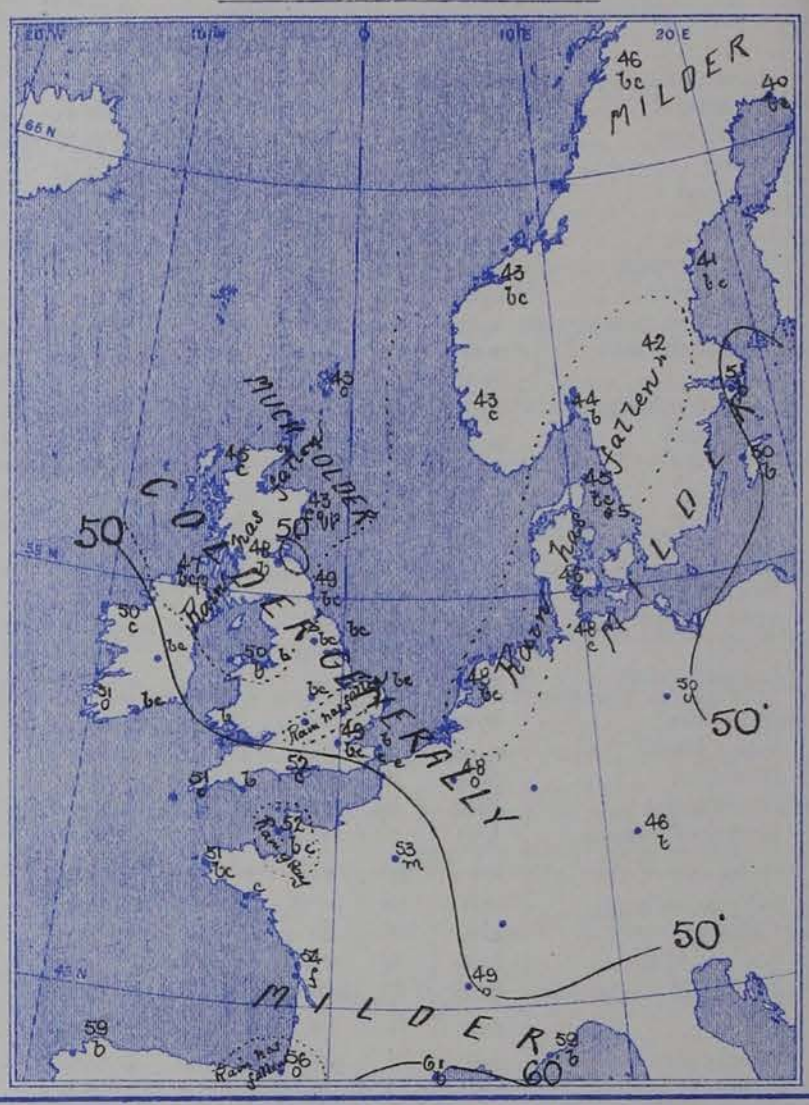


TEMPERATURE & WEATHER.

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.


20 W
10 W
0
10 E
20 E
65 N
55 N
45 N
MILDER
COLDER
Much colder
Colder generally
Milder
Milder
Milder
50
50
50
50
60
Rain heavy
Rain heavy
Rain heavy

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and upwards, in an anticyclone extending from the Atlantic over the Bay of Biscay and the south and west of Ireland.
Lowest, 29·4 ins: and less, in a depression over the west of Norway.
Gradients moderate to rather steep over the northern parts of the North Sea and also over Sweden, but slight elsewhere.
Barometer rising in our Islands and France, but falling decidedly in Scandinavia, Denmark and Germany.

TEMPERATURE

Highest, (1) 67° at Lisbon, 61° at Perpignan, 59° at Corunna and Nice, and 56° at Biarritz; (2) 54° at Leith.
Lowest, (1) 40° at Haparanda, 41° at Haparanda, 42° at Karlstad, and 43° at Skudesnaes, Nairn, and Aberdeen; (2) 42° at Belfast.
During yesterday the thermometer rose to 60° and upwards in many parts of Great Britain, to 65° in London, and to 66° at Coningsby and Cambridge.

WIND

NW. over our Islands, Denmark, the Netherlands, and the west and north of France, and strong to a gale in force in the north of Scotland.
Moderate to strong from the SW. over Germany and also in the south of Norway, and from the S. in Sweden, SE. or E. in the west of Norway.
Light from the W. over Central France; NE. in the eastern parts of the Spanish Peninsula.

WEATHER

Fair or fine over Western Europe as a whole, but showery in some parts of our own north and northwest coasts.
Fog prevailed at Rochefort and Belfast, and rain is falling at Karlstad.
Showers fell yesterday in many parts of the United Kingdom, and more decided rain in Denmark and the south of Norway.

SEA

High at Stornoway, rough off the north of Scotland generally, and rather rough at Skudesnaes and Liverpool, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 10th MAY 1897.

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 ...	29.77	41	40	SSE	10	rf	8
Sumburgh Head	29.47	48	46	WSW	4	r	6
Stornoway	29.71	49	47	NW	8	bc	7
Aberdeen	29.68	53	49	NW	4	cq	2
Shields	29.82	57	54	SW	5	o	2
Ardrossan	29.89	50	48	W	4	c	3
Malin Head ...	29.94	49	47	WNW	5	o	3
Belmullet	30.12	51	47	WNW	4	o	*
Holyhead	30.02	53	52	SW	4	qfpd	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.22	53	50	WNW	3	o	4
Scilly	30.20	54	52	WNW	4	m	3
Jersey	30.22	54	53	W	4	o	3
Hurst Castle ...	30.14	56	54	SW	3	om	3
Dungeness ...	30.13	54	52	SSW	4	c	2
North Foreland	30.13	57	55	S	4	bc	3
London (Westminster)	30.07	64	57	WSW	2	o	*
Yarmouth ...	30.03	55	53	S	5	bc	4
Rochefort ...	30.27	61	57	NW	3	bc	*

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

Weather in morning cloudy or dull in most parts of our Islands, with fog at the mouth of the Channel, mist on several parts of our western and southern coasts, and rain in the south of Ireland and the extreme south of Scotland. Fine over the greater parts of northern Europe, as well as in Spain and the south of France; dull over Southern Germany, Austria, and Italy, with rain at Vienna and Trieste. Rain falling later in many parts of the United Kingdom, but amount in many cases too slight for measurement; larger quantities reported in Denmark and the south of Norway.

Temperature risen in most countries, but fallen in Italy. Morning readings highest 68° at Oporto, 66° at Pfax, and 65° at Lisbon and Barcelona; above 55° at most of the Mediterranean and Spanish coast stations, as well as at Rockenpoint; above 50° in some parts of northern Russia. Lowest (1) 38° at Haparanda, 41° at Karlstad, and 42° at Skudenaes; (2) 41° at Vienna, and 42° at Munich. Rising during day to between 55° and 60° in many parts of the United Kingdom, and touching 63° at Hurst Castle. Rising to 55° and upwards in the west and south of France, to 74° at Perpignan, and to 77° at Lisbon.

Wind moderate from the W^d. or SW^d. on our western and northern coasts generally, but strong from NW. at Wick; light from the S^d. in the east of England, as well as in the Netherlands, Denmark, and Sweden; SE^y. or E^y. in the west of Norway, Variable on northern Russia, NW^y. in Germany and also in the west and south of France; varying between N. and E. in Spain and Italy. Subsequently veering to the NW^d. in the west and north of our Islands generally, and increasing to a strong gale in the north of Scotland; no important change occurring elsewhere.

Barometer highest 30·3 ins. and upwards in the northwest of Spain; 30·2 ins. and upwards, in a broad band stretching from SW. to NE. across the entire continent. Lowest 29·5 ins. and less, in a well marked depression having its centre near the Shetlands; 29·8 ins. and less in a shallower system over the Adriatic. Depression in north subsequently moving northeastwards, and barometer rising in most parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 10th May, 1897.

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 ...	29.90	48	SW	0	c	29.75	-.22	51	47	+ 11	SE	4	c	*	c	*	52	39	0.04
	Hernösand ...	29.72	40	S	6	0	29.60	-.20	37	37	- 4	S	4	f	*	c	*	46	36	0.16
	Stockholm ...	29.73	45	SE	4	r	29.63	-.25	46	44	- 5	S	4	c	*	r	*	55	37	0.12
	Wisby	29.70	45	S	4	r	29.71	-.24	46	41	- 4	SW	4	c	*	D	*	57	34	0.04
	Karlstad ...	29.61	45	SW	2	bc	29.51	-.09	43	41	+ 1	SE	2	o	*	bc	*	*	*	0.16
	Bodö	29.58	48	SE	4	o	29.56	+.02	47	41	+ 1	ESE	5	o	2	o	*	50	39	-
	Christiansund ...	29.58	44	WSW	3	o	29.58	+.17	40	38	- 3	W	6	r	5	o	*	50	39	0.16
	Skudesnaes ...	29.78	40	NNW	9	o	?	?	38	35	- 5	?	6	c	5	o	*	45	32	*
	Færder (Christiania Fjord)	29.58	45	S	2	c	29.50	-.07	44	39	o	NW	2	o	4	c	*	46	43	-
	Skagen (The Scaw)	29.63	44	WNW	4	bc	29.58	-.08	42	38	- 3	WNW	6	c	2	bc	*	50	41	-
	Fanö	29.90	42	NNW	6	c	29.87	+.07	43	40	- 3	WNW	6	c	*	c	*	50	39	0.04
British Islands.	Sumburgh Head	29.91	40	NW	6	o	29.82	+.18	34	33	- 9	N	1	S	4	o	*	43	32	0.09
	Stornoway ...	30.16	46	NW	5	bc	30.00	+.01	43	43	- 2	NW	5	o	5	hp,c,bc	8.8	47	38	0.08
	Wick	30.05	45	NW	7	o	29.85	.00	42	42	- 5	NW	4	opu	3	ohp	*	48	36	0.20
	Nairn	30.14	46	NNW	4	r	29.95	.00	43	42	o	NW	3	o	3	r	*	55	38	0.02
	Aberdeen ...	30.12	47	NW	5	bcq	29.92	-.01	44	41	+ 1	WNW	5	cqp	3	p,bcq	11.2	52	41	0.01
	Leith	30.15	55	W	4	c	29.97	-.05	54	47	o	NW	8	b	*	c	*	60	39	-
	Shields	30.13	49	NE	2	c	30.04	+.01	47	43	- 2	SW	3	b	2	c	*	56	37	-
	Spurn Head ...	30.15	50	SSE	2	c	30.04	+.02	45	44	- 2	WNW	4	bu	4	c,p,bc	*	52	42	-
	York	30.16	55	W	3	b	30.08	-.02	46	41	- 2	NW	3	bc	*	b	1.4	58	36	-
	Loughborough ...	30.21	52	NW	5	b	30.14	-.01	46	42	o	WNW	3	bc	*	bc, b, bc	*	56	38	-
	Ardrossan ...	30.20	49	W	4	bc	30.03	-.06	48	48	o	W	3	o	2	bc	*	53	43	-
	Malin Head ...	30.27	48	NW	4	c	30.11	-.08	46	46	- 1	NW	3	op	2	bc,p,c	*	49	44	0.02
	Belmullet ...	30.25	52	WNW	1	o	30.19	-.12	51	50	+ 1	NNW	3	o	*	b,o	*	58	47	-
	Donaghadee ...	30.27	49	NW	5	c	30.14	-.06	48	46	+ 2	NNW	4	c	2	c	*	55	40	-
	Liverpool (Bidston)	30.26	50	W	3	b	30.14	-.04	48	43	o	W	3	o	2	b	*	52	43	-
	Holyhead ...	30.28	51	WNW	3	c	30.16	-.08	48	46	- 2	W	2	o	1	c	*	54	43	-
	Parsonstown ...	30.30	56	W	1	b	30.15	-.15	51	51	+ 1	W	1	a	*	b	10.3	59	46	0.01
	Valencia ...	30.37	52	NNW	2	o	30.27	-.08	51	51	o	NW	4	oam	4	c.o	4.6	54	49	0.05
	Roche's Point ..	30.35	54	NW	3	o	30.22	-.10	53	51	+ 1	NW	3	o	3	o	*	55	48	-
	Pembroke (St. Ann's Hd.)	30.33	50	W	2	b	30.19	-.08	50	47	+ 1	NNW	3	o	3	b	12.8	52	47	-
	Scilly	30.36	53	NNW	3	c	30.24	-.06	52	50	+ 1	NW	3	o	2	b,c	11.0	58	48	-
	Prawle Point ...	30.29	53	N	2	b	30.21	-.05	51	50	- 2	WNW	2	c	2	c	*	61	43	-
	Jersey (St. Aubin's)	30.28	55	W	3	b	30.22	-.02	55	48	+ 3	NNE	3	bcm	3	b	*	56	44	-
	Hurst Castle ...	30.23	60	N	2	bc	30.18	-.01	51	49	- 1	SW	1	b	1	bc	*	63	42	-
	Dungeness ...	30.18	56	N	4	c	30.13	+.01	50	45	- 1	NW	3	b	3	c	*	58	37	-
	North Foreland	30.19	49	SE	3	bc	30.14	+.01	46	44	- 4	NNW	4	bc	3	bc	*	58	42	-
	London (Brixton) ...	30.21	54	NW	2	b	30.15	-.02	50	44	+ 1	W	2	c	*	bc,b	11.4	59	39	-
	Oxford	30.26	48	NNW	2	c	30.16	-.03	49	44	o	NW	2	c	*	c	*	58	39	-
	Cambridge ...	30.20	55	NW	3	b	30.13	-.03	48	44	- 2	NW	3	bc	*	b	12.8	59	38	-
	Yarmouth ...	30.14	52	NE	2	b	30.06	+.01	48	44	- 1	NNW	4	bc	3	b	*	55	38	-
Germany & Holland.	Cuxhaven ...	29.95	47	NW	4	bc	29.94	+.13	43	40	- 5	NW	4	o	*	bc,r	*	52	41	0.04
	Berlin	29.91	48	N	2	c	29.99	+.05	43	41	- 7	WNW	3	o	*	c	*	52	37	0.24
	Wiesbaden ...	*	*	*	*	*	30.16		45	42		NW	1	bc	*	*	*	55	37	0.08
	Munich	30.04	45	SW	5	r	30.15	-.01	41	39	- 5	NW	3	o	*	r	*	57	37	0.08
	The Helder ...	30.13	49	NW	3	b	30.04	+.06	48	42	o	WNW	1	bc	1	b	*	50	46	-
Belgium.	Brussels ...	*	*	*	*	*	30.14	+.07	47	45	- 1	SW	2	c	*	b	*	54	37	-
	Cape Gris Nez ...	30.16	52	N	1	c	30.13	+.05	47	45	- 3	NNW	2	b	2	c	*	57	43	-
	Paris	30.21	54	N	1	c	30.21	+.08	47	44	- 6	S	1	m	*	b	*	62	36	-
	Brest	30.32	54	NNW	3	b	30.24	-.04	46	46	- 5	NE	1	b	2	bc	*	57	43	-
	Lorient	30.29	56	NNW	4	bc	30.23	-.03	48	46	- 4	NNE	3	b	2	bc	*	66	41	-
France &	Rochefort ...	30.25	59	NW	4	c	30.14	-.16	50	48	- 4	E	4	b	*	c	*	63	48	-
	Belfort	30.08	50	WSW	2	m	30.14	-.03	40	39	- 2	E	1	m	*	m	*	51	35	0.04
	Lyons	30.15	53	W	1	r	30.12	-.09	44	40	- 5	NNW	3	b	*	r	*	60	44	0.08
	Nice	29.92	59	SW	0	bc	29.79	-.22	59	52	o	SW	0	c	1	bc	*	68	52	-
	Perpignan ...	30.12	69	NW	3	b	30.04	-.20	60	54	- 11	? NW	3	c	*	b	*	74	59	-
	Biarritz ...	30.23	60	NNW	3	b	30.12	-.16	55	54	- 1	SW	0	o	2	b	*	66	52	0.12
Peninsula.	Corunna ...																*			
	Lisbon	30.07	63	WNW	3	b	30.00	-.08	62	58	- 5	SW	3	c	*	b	*	71	59	-
	Azores (P. Delgada)	30.20	60	NE	1	o	30.14	-.08	59	56	o	NE	4	c	2	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 12.2 hrs;

WEATHER CHARTS

FOR Monday, 10th May, 1897.

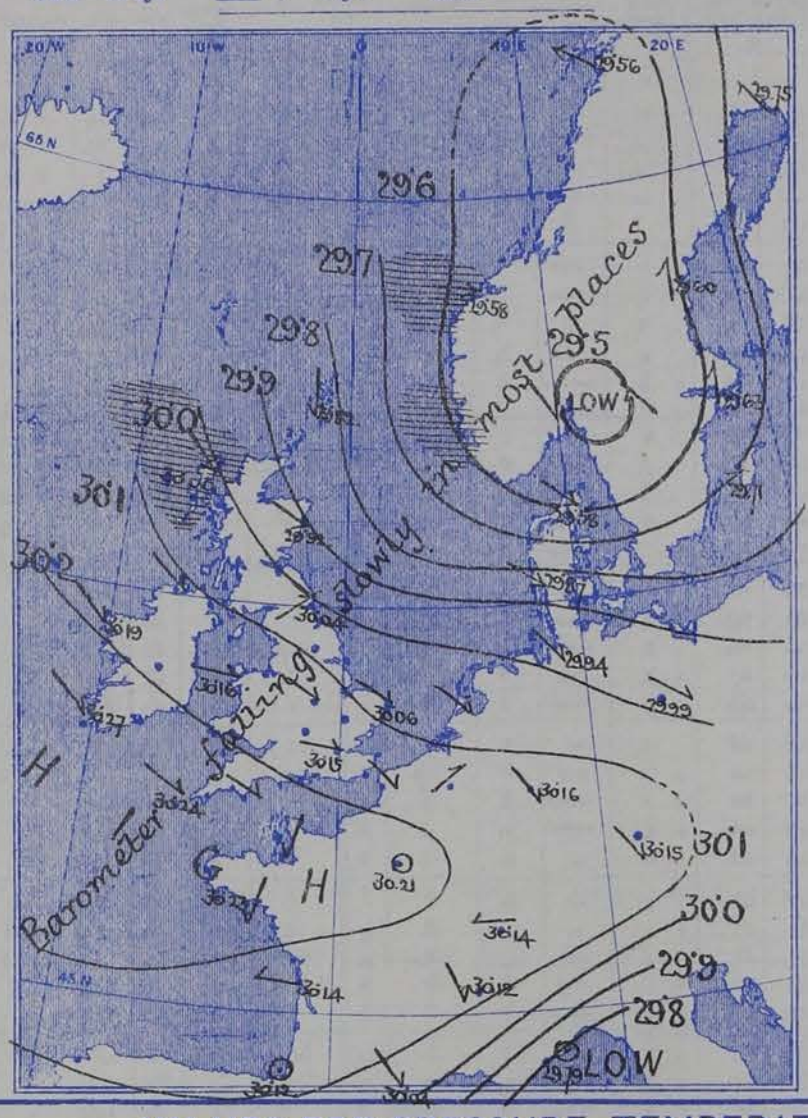
BAROMETER, WIND AND SEA.

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* ▓

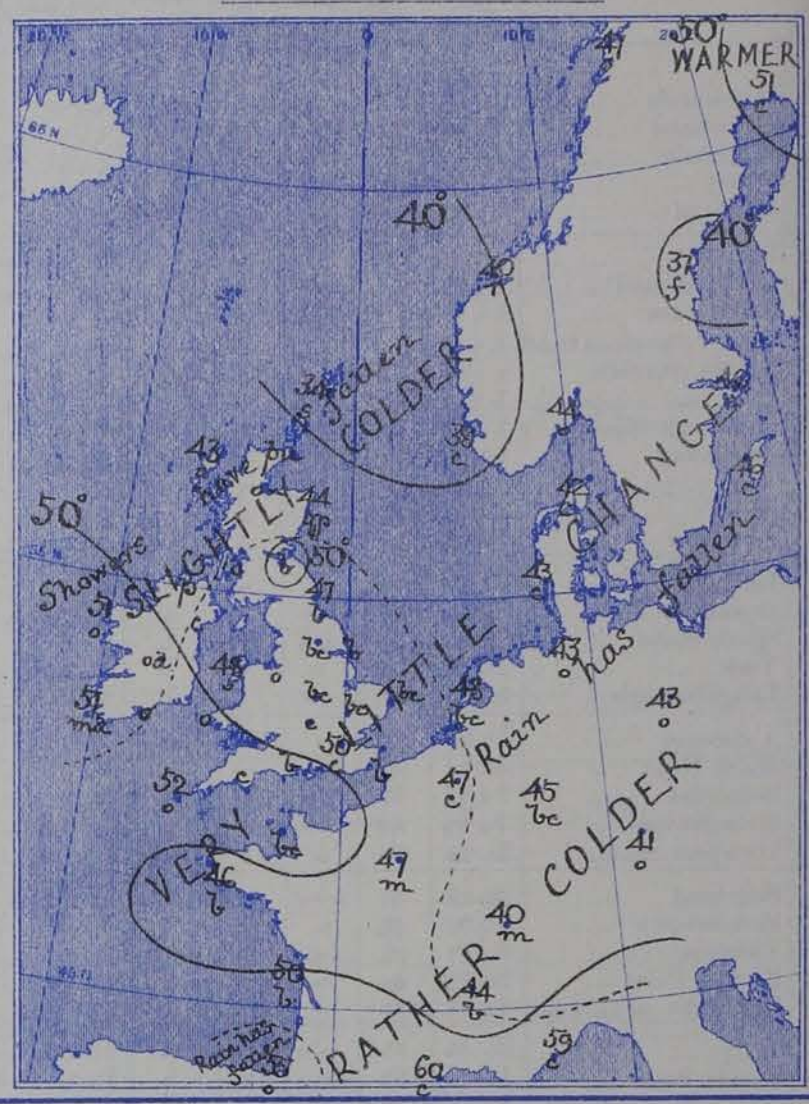


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 extending from the Atlantic over the southwest of our Islands and the north of France.
Lowest, 29·5 ins: and less, in a small depression over the south of Scandinavia.
Gradients slight generally. Barometer falling in most places.

TEMPERATURE

Highest, (1) 62° at Lisbon, 60° at Perpignan, 59° at Nice, and 55° at Jersey and Biarritz; (2) 54° at Lille.
Lowest (1) 34° at Lerwick Head, 37° at Herne's and, 38° at Skudesnaes and 40° at Christiansund; (2) 40° at Belfast and 41° at Munich.
Grounds frost occurred last night in some parts of Central England; at Loughborough the thermometer on the grass fell to 28°.

WIND

Light to moderate from the NW^n. or W^n. over our Islands, the Netherlands, and Germany; strong from the same quarters on the eastern shores of the North Sea; moderate to fresh from the S^n. or SE^n. in Sweden.
Light and variable over the greater part of France.

WEATHER

Fine in the east and southeast of England and the north and east of France
Showers are falling at several of our northern stations; snow at Lerwick Head, and rain at Christiansund.
Showers fell yesterday in the north of Scotland, as well as at some of the Irish stations; rain occurred also in Scandinavia, Denmark, Germany, and Central France. Lunar halos were seen in London and at Hurt Castle.

SEA

Slight or smooth generally, but rather rough at Stornoway, and also off the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric fall appears to be somewhat irregular, and there are indications of the formation of shallow depressions over our Islands and the North Sea. Showery weather is therefore probable in many districts.

FORECASTS

For the 24 hours ending at NOON on 11TH MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^24. and N^24. winds, moderate or fresh; changeable, some cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^24. and NW^24. winds, light or moderate; fair at first, some showers later.
6	SCOTLAND WEST	NW^24. winds, moderate or fresh; changeable, some showers.
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 ...	29·65	44	41	NNW	8	o	5
Sumburgh Head							
Stornoway	30·12	47	45	NW	5	cp	6
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·27	48	46	NNW	5	bc	3
Belmullet	30·36	52	47	NW	1	b	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	?	54	49	NW	4	b	3
Hurst Castle ...							
Dungeness ...	30·17	56	46	NNW	4	c	3
North Foreland	30·18	57	49	NW	4	bc	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·28	59	57	NW	4	c	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 2ND TO THE 8TH MAY 1897.

Throughout the whole of last week barometrical pressure was highest over the Spanish Peninsula or the Bay of Biscay, and lowest in a series of cyclonic disturbances which travelled northeastwards outside our extreme northwestern and northern coasts. The prevailing winds over Western Europe were therefore W. (SW to NW) and the weather somewhat changeable, but much finer and drier in the south than in the more northern districts.

The depressions observed in the north were, as a rule, of little depth, the only exception being that of the 4th. In the centre of this the barometer fell below 29·2 in., and as the system skirted our northern coasts the wind increased to a fresh or strong gale from the SW. over all the more northern and northeastern parts of the United Kingdom, while thunderstorms and heavy rain occurred in the Hebrides. Thunderstorms occurred also at other times in isolated parts of Great Britain, while on the 6th a little wet snow was observed in some portions of the London district.

Temperature was, as a rule, somewhat low for the time of year with ground frosts in many of the northern and inland districts on the nights of the 2nd, 3rd, 5th, and 6th. On the 7th, however, the thermometer in London rose to 62° in the daytime, while on the 8th it exceeded 60° in many parts of England, and reached a maximum of 65° in London, and 66° at Loughborough and Cambridge.

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 Tuesday 11th May, 1897.

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 ...	29.74	47	L	0	bc	29.69	−.06	54	51	+ 3	ESE	4	c	*	bc	*	61	39	0.08
	Hernösand ...	29.67	36	NE	4	f	29.69	+.09	37	36	0	S	2	f	*	f	*	48	36	—
	Stockholm ...	29.56	41	S	2	b	29.67	+.04	45	41	− 1	SSE	2	b	*	b	*	50	39	—
	Wisby	29.67	40	SSW	4	bc	29.68	−.03	47	41	+ 1	SSE	4	b	*	bc	*	50	36	—
	Karlstad ...	29.47	40	SSE	4	b	29.59	+.08	41	37	− 2	SSE	4	o	*	r,b	*	*	*	0.04
	Bodö	29.74	50	L	0	b	29.64	+.08	45	41	− 2	NNE	4	o	1	b	*	57	39	—
	Christiansund ...	29.63	42	WSW	3	r	29.49	−.09	45	43	+ 5	ESE	3	r	4	r	*	45	39	0.04
	Skudesnaes ...	29.49	39	NNW	9	o	29.41	?	41	39	+ 3	NE	2	c	3	c,o	*	42	32	*
	Færder (Christiania Fjord)	29.35	44	SSE	3	c	29.49	−.01	40	38	− 4	SSW	2	c	3	c	*	45	36	0.32
	Skagen (The Scaw)	29.43	40	SW	5	bc	29.47	−.11	40	37	− 2	S	2	b	0	bc	*	46	36	0.04
	Fanö	29.59	39	WNW	2	c	29.45	−.42	37	35	− 6	W	1	c	*	c	*	45	36	0.08
British Islands.	Sumburgh Head	29.75	33	NW	4	o	29.72	−.10	39	38	+ 5	N	7	o	6	sp,o	*	40	32	0.12
	Stornoway ...	29.99	41	N	5	bc	3005	+.05	39	39	− 4	N	6	o	6	o.bc,rshp	5.2	45	35	0.06
	Wick	29.84	36	NNW	7	o	29.86	+.01	38	37	− 4	N	7	ow	5	sp,o	*	45	32	0.10
	Nairn	29.92	42	NNW	5	bc	29.93	−.02	42	41	− 1	N	4	o	4	bc	*	49	34	0.09
	Aberdeen ...	29.84	36	N	4	cq	29.82	−.10	42	39	− 2	N	8	cgq	5	cfq,sp	3.8	49	33	0.52
	Leith	29.85	45	N	5	bc	29.88	−.09	46	41	− 5	NW	4	c	*	bc	*	59	35	—
	Shields	29.78	42	N	4	p	29.84	−.20	41	39	− 6	NW	4	o	4	c,r,ts	*	56	32	0.10
	Spurn Head ...	29.69	49	WNW	5	c	29.79	−.25	41	39	− 4	WNW	5	c	5	c,qshrs	*	52	35	0.18
	York	29.77	52	W	3	c	29.86	−.22	44	38	− 2	NNW	3	bc	*	c	9.2	58	33	0.07
	Loughborough ...	29.85	50	SW	5	c	29.91	−.23	40	37	− 3	NW	4	bq	*	cfq,bq	*	53	31	0.01
	Ardrossan ...	29.89	47	NW	6	b	29.94	−.09	48	47	0	NW	4	bc	3	pq,b	*	63	38	0.01
	Malin Head ...	30.01	42	NNW	6	b	30.09	−.02	43	42	− 3	N	6	bcq	4	rq,c	*	48	40	0.03
	Belmullet ...	30.19	50	N	3	c	30.26	+.07	46	42	− 5	N	3	c	*	c	*	54	40	—
	Donaghadee ...	29.99	47	NW	7	bc	3003	−.11	46	43	− 2	NNW	7	b	5	bc	*	52	36	0.05
	Liverpool (Bidston)	29.89	49	W	6	b	29.97	−.17	44	41	− 4	WNW	5	c	5	p,b	*	50	36	—
	Holyhead ...	29.99	47	NNW	3	bc	30.04	−.12	44	41	− 4	NNW	6	c	5	pdm,bc	*	51	40	—
	Parsonstown ...	30.09	50	WNW	1	o	30.18	+.03	45	40	− 6	W	1	b	*	o.b	1.6	57	36	—
	Valencia ...	30.16	52	NNW	4	oq	30.23	−.04	47	42	− 4	NNE	4	c	3	o.oq	4.3	55	43	—
	Roche's Point ..	3009	54	N	4	c	30.20	−.02	46	41	− 7	NNE	5	b	3	c	*	55	41	—
	Pembroke (St. Ann's Hd.)	30.00	52	NW	4	o	30.06	−.13	45	42	− 5	NE	5	bc	3	o	0.2	52	41	—
	Scilly	30.04	53	WNW	3	of	30.06	−.18	46	43	− 6	N	6	c	3	o,of	2.7	55	42	—
	Prawle Point ...	29.97	53	WSW	3	o	3003	−.18	49	44	− 2	N	3	c	2	o	*	56	40	—
	Jersey (St. Aubin's)	30.02	54	WNW	4	bc	29.99	−.23	49	41	− 6	N	5	bc	4	b,oq,bc	*	59	47	—
	Hurst Castle ...	29.91	55	WNW	4	c	29.97	−.21	46	41	− 5	NW	4	bc	2	cm,c	*	56	40	—
	Dungeness ...	29.85	51	WSW	6	c	29.86	−.27	42	38	− 8	NNW	5	bc	4	c	*	59	38	0.01
	North Foreland	29.85	52	WNW	4	o	29.85	−.29	42	38	− 4	NW	6	bc	5	o	*	57	37	—
	London (Brixton) ...	29.93	53	NW	2	or	29.91	−.24	43	36	− 7	NW	4	bc	*	bc,od,oq	5.8	57	36	—
	Oxford	29.85	50	NW	3	d	29.95	−.21	42	36	− 7	NW	4	b	*	o,d,q	*	56	33	—
	Cambridge ...	29.84	52	NW	2	ofq	29.89	−.24	42	37	− 6	NW	4	b	*	bc,ofq	6.5	54	32	—
	Yarmouth ...	29.76	50	WNW	5	c	29.76	−.30	39	38	− 9	NW	6	rqhs	5	c	*	54	35	0.24
Germany & Holland.	Cuxhaven ...	29.71	43	NW	3	r	29.38	−.56	38	37	− 5	N	4	r	*	qrshr	*	46	36	0.32
	Berlin	29.78	45	SW	2	b	29.44	−.85	43	41	0	SW	4	o	*	b	*	50	37	0.32
	Wiesbaden ...	*	*	*	*	*	29.58	−.58	43	41	− 2	NW	4	bc	*	*	*	55	39	0.12
	Munich... ..	29.91	44	E	2	o	29.63	−.52	46	41	+ 5	SW	6	c	*	o	*	50	37	0.04
	The Helder ...	29.72	46	WNW	3	bc	29.61	−.43	42	38	− 6	NW	5	bc	4	bc	*	52	37	0.20
Belgium.	Brussels ...	*	*	*	*	*	29.75	−.39	38	36	− 9	NW	2	bc	*	r	*	57	36	0.20
	Cape Gris Nez...	29.85	50	WNW	6	o	29.81	−.32	41	38	− 6	N	6	o	6	o	*	54	37	—
	Paris	29.93	51	NW	2	bc	29.82	−.39	45	41	− 2	NNW	4	c	*	bc	*	62	44	0.04
	Brest	30.06	54	NW	2	bc	?	?	49	43	+ 3	NNE	3	o	2	bc	*	57	43	—
	Lorient... ...	30.02	56	NNW	4	o	?	?	50	48	+ 2	N	4	c	2	o	*	64	41	—
France &	Rochefort ...	30.04	61	NW	3	b	29.95	−.19	52	50	+ 2	ENE	3	bc	*	b	*	70	46	—
	Belfort	29.91	50	W	4	bc	29.68	−.46	44	43	+ 4	W	5	o	*	bc	*	59	37	—
	Lyons ...	29.95	56	N	1	b	29.84	−.28	52	46	+ 8	N	1	b	*	b	*	60	39	—
	Nice	29.78	60	SW	2	bc	29.75	−.04	54	52	− 5	S	2	b	1	bc	*	70	46	—
	Perpignan ...	29.90	65	NW	3	b	29.89	−.21	61	54	+ 1	W	2	o	*	b	*	72	56	—
	Biarritz ...	30.00	59	N	3	o	29.90	−.22	57	54	− 2	NW	2	c	2	o	*	64	54	—
Peninsula.	Corunna ...																*			
	Lisbon	29.91	59	WNW	3	b	29.88	−.12	61	57	− 1	S	3	c	*	b	*	70	55	—
	Azores (P. Delgada)	30.15	59	NNE	4	o	30.13	−.01	59	56	0	NNE	4	c	2	o	*	63	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 5.1 hrs;

WEATHER CHARTS

FOR Tuesday, 11th May, 1897.

BAROMETER, WIND AND SEA.

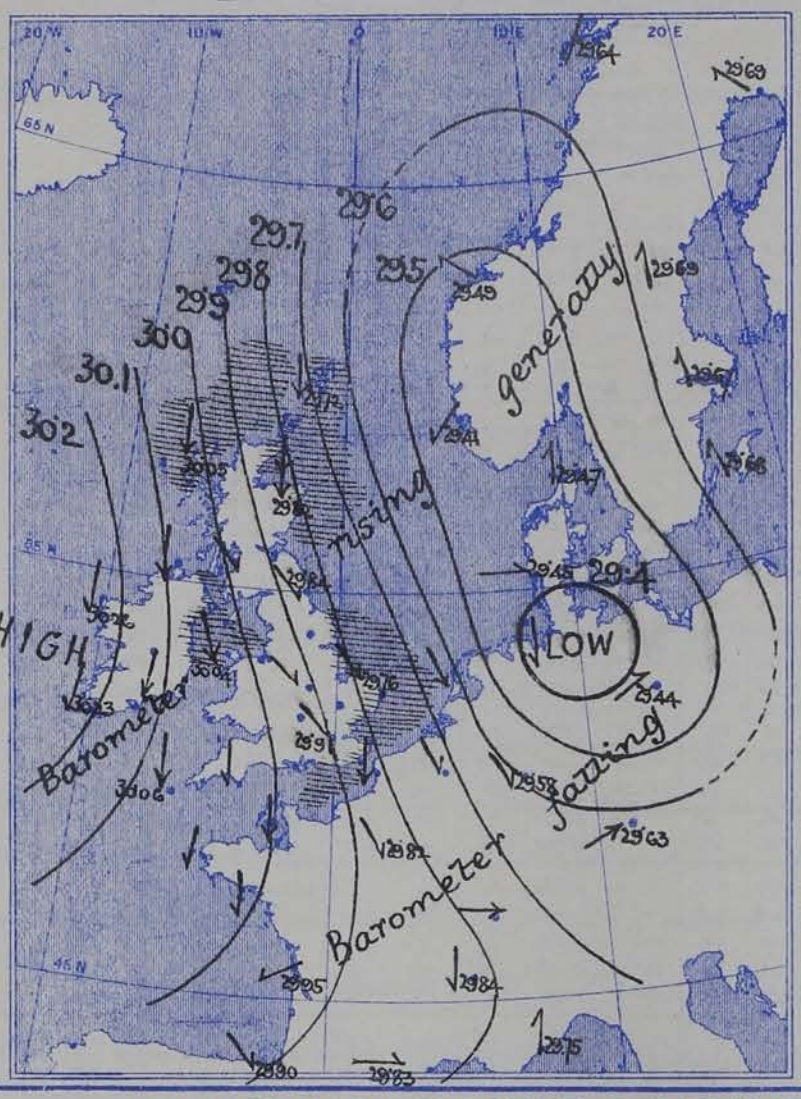
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤

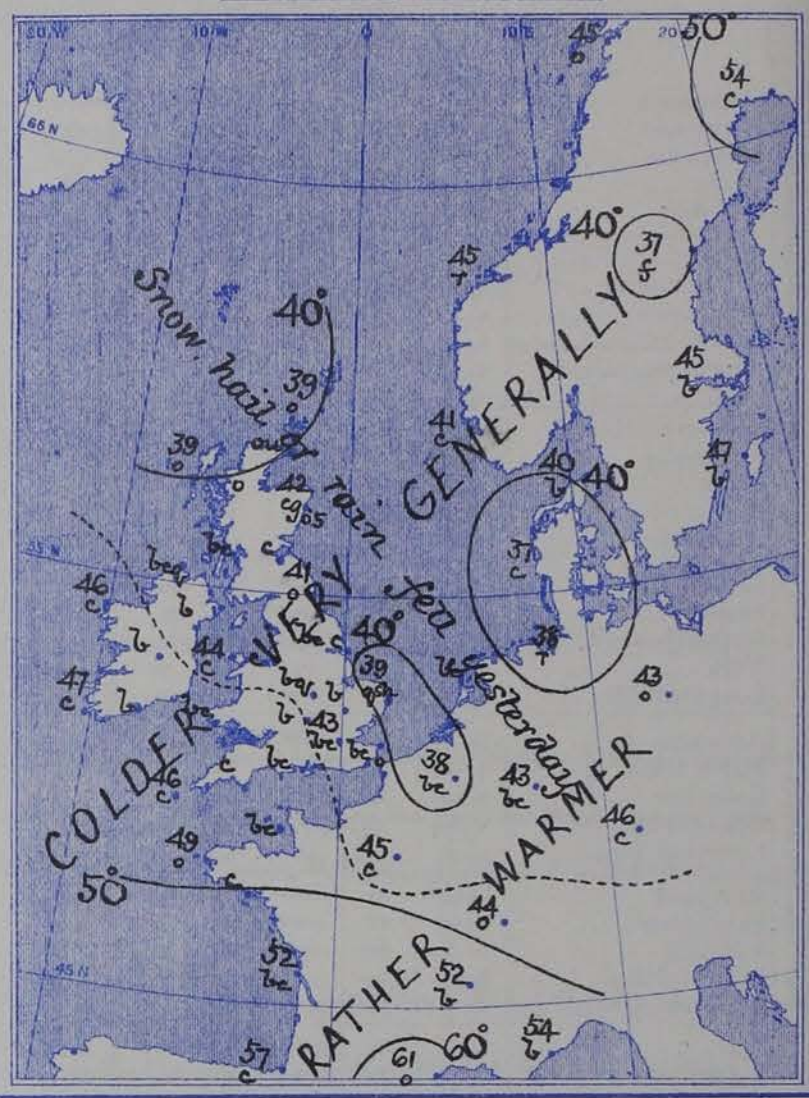


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 . 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 over the W^rn. parts of Ireland, and apparently still higher over the adjacent parts of the Atlantic.
Lowest 29.4 ins. and less to 29.5 ins. in a complex depression covering the E^rn. shores of the North Sea
Gradients somewhat steep over the British Islands and their neighbourhood.
Barometer rising in most parts of our Islands, after a sudden fall yesterday, falling over Germany and the E. and S. of France.

TEMPERATURE

Highest 61° at Perpignan, 57° at Biarritz, 49° at Brest and Jersey; 47° at Ushby, 45° at Stockholm, 54° at Haparanda.
Lowest 38° at Wick, 39° at Yarmouth, 41° at Shields and Spurn Hd., 42° at Oxford.
The air was very dry. The maximum temperatures reported yesterday were below 60° in all parts of our Islands.

WIND

N. to NW. over the British Islands – fresh in most places and very strong at some of the exposed stations (a gale at Aberdeen) Over the Baltic and Sweden it was SE. to S. and light to moderate in force.
It blew very strongly from NW. over the Irish Sea, and off our E^rn. coasts in the night.

WEATHER

Dull in the N. and NE. of our Islands, with squalls and showers in places, fine over more S^rn. parts of our Islands, and in France; dull on the E^rn. side of the North Sea, with rain in places.
Snow and hail showers have fallen on our N. and NE. coasts, rain over Germany, Denmark and Sweden, and very slight showers over the SE. of England. Bright Sunshine recorded yesterday was 9.2 hrs. at York; 6.5 hrs. at Cambridge, 5.8 hrs. in London, 5.1 hrs. at Southport.

SEA

Rather rough in all exposed places, rough at Cape Gris Nez and on our most N^rn. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of strong cold N. winds is probable, with rising barometer; passing cold showers are likely in the north and east.

FORECASTS

For the 24 hours ending at NOON on 12TH MAY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. winds, very strong; squally, cold showers.
1	SCOTLAND EAST	
14	ENGLAND N.E.	
13	ENGLAND EAST	NW. winds, strong and squally to moderate, cold showers, clear tonight.
4	MIDLAND COUNTIES	
15	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	N. breezes, strong to fresh; fair, cold.
10	IRELAND SOUTH	
	WARNINGS	At 4 pm. yesterday to districts 2, 3 and part of 5. Hoist N. 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 ...	29·63	42	37	NNW	7	c	4
Sumburgh Head	29·76	36	35	N	4	osp	4
Stornoway	29·93	45	43	N	5	o	5
Aberdeen	29·80	46	42	NW	7	cpq	4
Shields	29·83	54	48	WNW	4	c	2
Ardrossan	29·91	51	49	NW	5	b	3
Malin Head ...	30·06	48	46	NNW	5	c	3
Belmullet	30·21	50	47	N	3	c	*
Holyhead	30·05	48	47	SW	3	cmpd	2
Valencia	30·20	54	52	NNW	5	o	5
Scilly	30·14	54	51	WNW	3	o	2
Jersey	30·02	54	51	WNW	4	bc	3
Hurst Castle ...	30·04	54	53	WSW	4	cm	2
Dungeness ...	29·96	51	49	WSW	5	c	4
North Foreland	29·98	54	46	W	4	o	3
London (Westminster)	29·98	57	48	NW	2	o	*
Yarmouth ...	29·89	54	47	NNW	4	c	4
Rochefort ...	30·07	68	61	ENE	3	b	*

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

Weather in morning fine and bright over the S^th. half of our Islands and the greater part of France, as well as over Finland and several parts of Russia, SE^rn. Europe and the Mediterranean. Cloudy and unsettled over Scandinavia, Scotland, Denmark and Germany, with rain in several places. A good deal of snow and graupel later over the N^rn. parts of Gt. Britain, and rain over Germany, the Baltic and S. of Scandinavia.

Temperature falling at our N^rn. stations and over France. Morning readings highest (1) 64° to 60° at several of the Mediterranean and Adriatic stations, 55° at Biarritz and Jersey, and 53° to 50° on our SW. coasts (2) 59° to 52° at the Russian stations, 56° at Ulleaborg. Lowest 34° at Sumburgh H^d., 38° at Skudesnaes, 41° at Copenhagen, 44° at Munich, 44° at Aberdeen, 45° at Wiesbaden. Failing to reach 60° at any of our own stations later, but touching 62° at Paris, 70° at Nice and Rochefort. Succeeding night very cold over Gt. Britain.

Wind (1) NW. to W. over the British Islands and North Sea, W. over N. Germany, S. over Finland and on the Swedish coasts, (2) light and anticyclonic over France and the Bay of Biscay, (3) moderate but cyclonic over the Mediterranean. Increasing greatly in force from NW. and N. over our Islands later, and over the North Sea.

Barometer highest (1) 30·2 ins. and more to 30·0 ins. in an anticyclone and "ridge" stretching in from the Atlantic over Ireland, England, the Bay of Biscay, Spain, France and S. Germany, (2) exceeding 29·9 ins. over Russia. Lowest 29·5 ins. to 29·6 ins. in an elongated and complex depression lying over Scandinavia; and below 29·8 ins. in three others — one over the N^rn. part of the Mediterranean, another over the S. of Italy, and Herzegovina and Albania and a third near Cracow. The Scandinavian depression moving N^wds. later, and secondary disturbances appearing over the British Islands 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.

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 May, 1897.

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 ...	29.95	36	S	0	b	29.93	+.24	41	39	- 13	N	2	0	*	b	*	55	34	0.39
	Hernösand ...	29.85	33	NE	4	f	29.79	+.10	40	39	+ 3	NE	4	0	*	f	*	48	32	-
	Stockholm ...	29.84	42	E	6	c	29.60	-.07	43	41	- 2	SE	6	0	*	c	*	52	36	0.24
	Wisby	29.58	42	SSE	4	r	29.67	-.01	43	42	- 4	SW	6	c	*	r	*	52	34	0.20
	Karlstad ...	29.55	44	E	4	0	29.41	-.18	39	38	- 2	NNE	6	r	*	0	*	*	*	0.20
	Bodö	29.79	42	E	2	b	29.86	+.22	50	43	+ 5	E	4	b	1	b	*	50	39	0.79
	Christiansund ...	29.62	41	ESE	1	b	29.76	+.27	41	39	- 4	SSW	1	b	3	b	*	45	36	0.04
	Skudesnaes ...	29.60	41	N	4	bc	29.65	+.24	42	38	+ 1	N	4	b	2	bc	*	48	32	*
	Færder (Christiania Fjord)	29.52	41	NE	5	0	29.51	+.02	42	40	+ 2	NNE	6	r	3	0	*	43	39	0.16
	Skagen (The Scaw)	29.43	39	NNW	1	bc	29.47	.00	42	41	+ 2	NE	1	0	0	bc	*	45	39	0.08
	Fanö	29.51	40	N	1	c	29.61	+.16	43	39	+ 6	NW	6	c	*	c	*	48	37	0.12
British Islands.	Sumburgh Head	29.84	38	N	7	0	29.94	+.22	40	39	+ 1	N	5	c	6	0	*	41	35	0.03
	Stornoway ...	30.14	38	N	5	S	30.19	+.14	40	39	+ 1	N	3	0	3	fpogs	1.3	41	36	0.05
	Wick	29.97	38	N	7	0	30.03	+.17	42	41	+ 4	N	5	bcu	5	os	*	42	34	0.06
	Nairn	30.04	40	N	5	c	30.12	+.19	39	37	- 3	NNW	4	0	3	chs	*	44	33	0.02
	Aberdeen ...	29.95	38	NNW	6	chp	30.06	+.24	41	36	- 1	NW	6	cq	5	chqp	6.1	44	34	0.02
	Leith	30.00	44	NNW	4	c	30.11	+.23	43	39	- 3	NNW	3	0	*	c	*	52	36	-
	Shields	29.94	42	N	5	c	30.04	+.20	39	37	- 2	N	4	0	5	c	*	48	35	-
	Spurn Head ...	29.85	43	NNW	7	cq	29.97	+.18	43	40	+ 2	NW	6	cq	5	cqhrp	*	47	37	0.02
	York	29.92	45	N	4	bp	30.06	+.20	40	35	- 4	N	3	c	*	b,p	0.5	51	32	0.05
	Loughborough ...	29.95	39	W	1	p	30.08	+.17	41	36	- 2	NW	2	c	*	c,q,r,bc	*	53	31	0.15
	Ardrossan ...	30.02	47	NW	4	b	30.14	+.20	45	43	- 3	NW	4	c	3	b	*	53	37	-
	Malin Head ...	30.15	43	N	6	bcq	30.22	+.13	42	39	- 1	N	5	O	3	c,bc,q	*	45	39	-
	Belmullet ...	30.28	48	N	4	0	30.31	+.05	47	43	+ 1	NNE	1	c	*	or,o	*	49	38	0.06
	Donaghadee ...	30.11	47	?	?	b	30.19	+.16	42	38	- 4	NW	1	c	5	b	*	51	39	-
	Liverpool (Bidston)	29.98	48	WNW	6	b	30.13	+.16	49	35	- 1	NW	3	c	3	b	*	51	38	-
	Holyhead ...	30.06	45	NNW	7	bq	30.17	+.13	42	38	- 2	N	5	c	4	c,bq	*	48	38	-
	Parsonstown ...	30.18	48	N	1	bc	30.27	+.09	43	40	- 2	NW	1	O	*	bc	10.6	53	38	-
	Valencia ...	30.25	49	N	3	c	30.32	+.09	47	41	0	N	2	c	3	bc, c	11.1	51	40	-
	Roche's Point ..	30.17	51	NNW	4	b	30.28	+.08	45	41	- 1	NNW	3	bc	3	b	*	54	40	-
	Pembroke (St. Ann's Hd.)	30.09	49	NNE	4	b	30.16	+.10	46	44	+ 1	NNE	5	bc	4	b	9.5	50	40	-
	Scilly	30.14	54	NNW	5	c	30.18	+.12	47	43	+ 1	N	5	c	3	b,c	12.2	55	43	-
	Prawle Point ...	30.04	48	NNW	4	bc	30.14	+.11	48	44	- 1	NNE	3	c	2	bc	*	58	37	-
	Jersey (St. Aubin's)	30.04	51	WNW	4	b	30.09	+.10	50	44	+ 1	NNE	4	bc	3	b	*	52	44	-
	Hurst Castle ...	29.97	50	WNW	4	c	30.10	+.13	46	42	0	NNE	4	bc	2	c.cqp	*	56	39	0.04
	Dungeness ...	29.89	40	N	5	qp	30.01	+.15	42	39	0	N	4	b	3	c.pqq	*	52	34	0.03
	North Foreland	29.91	45	N	5	0	30.02	+.17	42	39	0	NW	5	0	5	bc.ohp	*	52	38	0.02
	London (Brixton) ...	29.95	46	N	4	c	30.06	+.15	43	36	0	N	3	b	*	c.op,b	10.0	53	36	0.01
	Oxford	30.00	41	NE	2	p	30.10	+.15	40	36	- 2	NNW	2	o	*	c,p	*	52	35	0.03
	Cambridge ...	29.92	46	NNW	2	chp	30.05	+.16	42	38	0	NNW	3	b	*	cqpoh	10.2	56	31	0.03
	Yarmouth ...	29.81	45	NW	6	c	29.93	+.17	39	38	0	NW	5	cqqqp	5	cq	*	48	37	0.10
Germany & Holland.	Cuxhaven ...	29.45	43	WNW	4	r	29.67	+.29	40	39	+ 2	SW	3	o	*	rh	*	46	38	0.12
	Berlin	29.57	39	W	3	r	29.76	+.32	44	41	+ 1	W	4	f	*	r	*	48	36	0.08
	Wiesbaden ...	*	*	*	*	*	29.88	+.30	44	40	+ 1	W	4	O	*	*	*	50	39	-
	Munich	29.85	35	W	5	0	29.94	+.31	36	34	- 10	W	5	c	*	o	*	50	32	0.28
	The Helder ...	29.67	46	NW	6	bc	29.82	+.21	43	40	+ 1	NW	5	c	3	bc	*	46	42	0.08
Belgium.	Brussels ...	*	*	*	*	*	29.95	+.20	40	39	+ 2	WNW	1	r	*	c	*	47	35	0.39
	Cape Gris Nez ...	29.90	45	NE	5	0	29.97	+.16	41	38	0	N	5	c	6	o	*	54	37	-
	Paris	29.95	46	NNW	2	b	30.02	+.20	42	39	- 3	NNW	2	r	*	b	*	55	35	0.04
	Brest	30.08	50	NE	2	bc	30.12	?	46	43	- 3	NE	2	o	1	b	*	55	41	-
	Lorient	30.02	53	ENE	5	b	30.10	?	46	43	- 4	N	4	c	3	b	*	64	43	-
France &	Rochefort ...	29.99	58	NE	4	b	30.04	+.09	45	43	- 7	ENE	3	b	*	c,b	*	63	43	0.04
	Belfort	29.87	38	W	2	r	29.98	+.30	34	33	- 10	SW	1	m	*	r	*	50	30	0.20
	Lyons ...	29.90	44	NNE	5	b	29.99	+.15	39	38	- 13	N	1	b	*	ap,b	*	61	34	-
	Nice	29.60	55	SE	2	b	29.57	-.18	56	52	+ 2	E	2	b	1	b	*	63	48	-
	Perpignan ...	29.76	67	NW	3	0	29.90	+.07	55	48	- 6	N	3	O	*	O	*	73	54	-
	Biarritz ...	29.91	60	NW	3	bc	29.98	+.08	53	49	- 4	E	4	b	2	bc	*	66	48	-
Peninsula.	Corunna ...																*			
	Lisbon	29.86	62	NNW	2	bc	29.86	-.02	61	58	0	NNE	2	O	*	bc	*	63	57	0.04
	Azores (P. Delgada)	30.19	59	NNE	4	0	30.19	+.06	59	56	0	NNE	4	bc	3	o	*	63	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 9.5 hrs;

WEATHER CHARTS

FOR Wednesday, 12th May, 1897.

BAROMETER, WIND AND SEA.

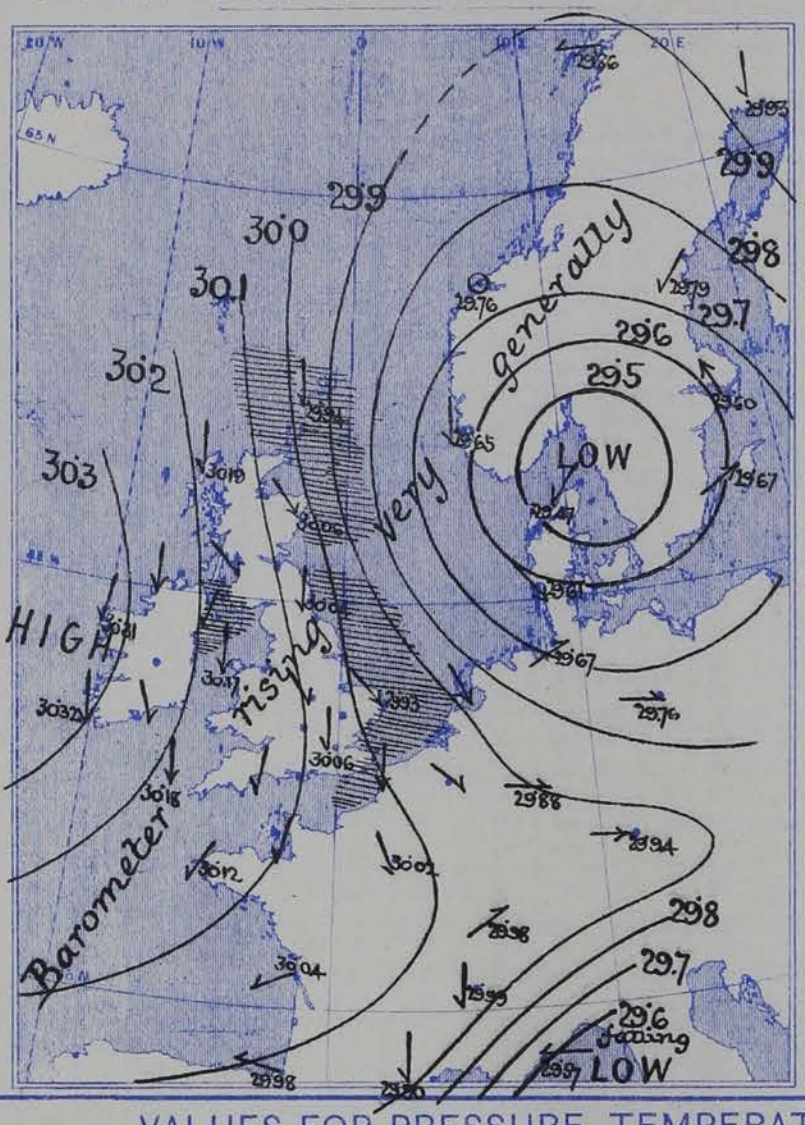
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

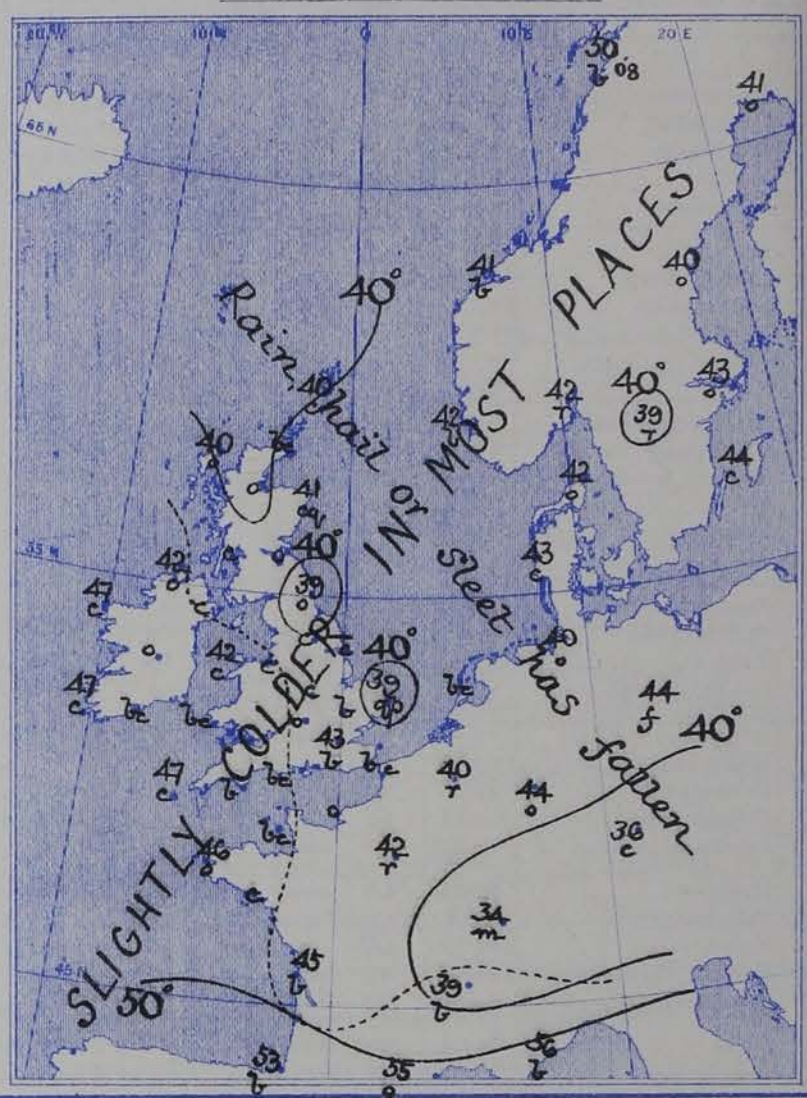


TEMPERATURE & WEATHER.

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 MAY.

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	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29 956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29 941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29 984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* 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 more in the extreme west of Ireland, and exceeding 30·0 in: over the British Isles generally and the northwestern half of France.
Lowest, Below 29·5 in: in a depression over the southwestern part of Sweden, and below 29·6 in: over the Gulf of Genoa.
Gradients moderate over our Islands, rather steep over the North Sea.
Barometer rising over Western Europe generally.

TEMPERATURE

Highest, 56° to 53° on the south and southwest coasts of France, 50° at Jersey, 47° at Scilly and Valencia (Ireland).
Lowest, (1) 34° at Belfort, 36° at Munich, 39° at Lyons; (2) 39° at Karlstad, and at Nairn and Shields, 40° at Oxford. The air is very dry over England and Ireland
The maxima recorded over our Islands yesterday did not exceed 56° at any station; during the night a sharp frost has been felt on the grass over our inland counties and even in the screen the thermometer went down to 31° at Loughborough and Cambridge and 32° at York, and to 30° at Belfort, 34° at Lyons, and 35° at Brussels.

WIND

NW' to N', moderate at most of the Irish stations, fresh hatony in the northeast and east.
Over Germany it is moderate from W. and over the Baltic SW to SE.
It again blew a gale from the NW.ard in the East of Scotland yesterday, and was squally along our northeast and east coasts generally.

WEATHER

Still squally, and inclined for showers in the northeast and east. fine and bright in the west.
Rain hail and sleet fell in the northeast and east yesterday and rain over Germany and Scandinavia: at Bodö the fall amounted to 0·79 inch, at Brussels to 0·39 inch.

SEA

Rough on our western, northern and eastern coasts, and at Cape Gris Nez, slight along our south coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 13TH MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. winds, strong to moderate; slight cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NW. and N. winds, strong to fresh; squally, fair, very cold tonight.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N. winds, very fresh; fair, cold.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	N. winds, moderate to light; fair, cold.
10	IRELAND SOUTH	
	WARNINGS	At 10·15 am to districts 2, 3, and part of 5 "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.
Skudesnaes ...	29·54	47	41	S	1	c	2
Sumburgh Head	29·87	37	35	N	7	o	6
Stornoway	30·11	41	39	N	6	o q	6
Aberdeen	29·91	38	36	NW	9	c q h p	6
Shields	29·88	45	42	N	5	c	5
Ardrossan	29·96	51	47	NW	5	b	3
Malin Head ...	30·13	41	41	N	6	c	4
Belmullet	30·28	45	43	NNW	2	o r	*
Holyhead	30·04	49	43	NNW	6	c	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·24	51	44	N	4	bc	4
Scilly	30·11	53	49	N	5	c	3
Jersey	30·04	50	42	NNW	5	b	4
Hurst Castle ...	29·97	54	49	NNW	4	c	2
Dungeness ...	29·88	51	42	NNW	4	c	3
North Foreland	29·87	50	43	NW	6	bc	5
London (Westminster)	29·90	52	42	NNW	4	c	*
Yarmouth ...	29·77	48	42	NW	6	c	5
Rochefort ...	29·97	56	55	NE	4	c	*

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

Weather in morning still fine over the western and southern parts of our Islands, the whole of France and the Mediterranean, as well as over southeastern Europe and the greater part of Russia; cloudy, squally, and unsettled over Scotland, the North Sea, Germany, and Norway, with rain in many places, wet snow and hail at Yarmouth. Considerable falls of rain occurring later over the east of France, Germany, the Baltic and Scandinavia, wet snow and graupel over Scotland, the north of England, and our east coast.

Temperature falling unsteadily over the United Kingdom and north of France, rising over Germany, Russia, and Sweden. Morning readings highest (1) 73° at Sfax, 70° at Algiers, and exceeding 60° at many of the Mediterranean stations and at Lisbon; (2) 62° at Kiew, 57° at Kharkov, Moscow, St Petersburg, and Archangel, 55° at Ukeaby. Lowest, 37° at Fano, 38° at Cuxhaven, 39° at Copenhagen, Sumburgh Head and Stornoway, 41° at Shields. Not exceeding 56° at any of our own stations later, and hardly touching 50° over Germany, but rising to 64° at Lorient and 73° at Perpignan.

Wind N? and NW?, moderate to a gale over the British Islands, the Netherlands, and north of France, but S?, moderate, over Germany and the Baltic, and SE? over Northern Europe, very variable over Denmark and the south of Norway. Blowing hard from NW. in the east of Scotland later, and very strongly both over the Irish Sea and the North Sea.

Barometer highest (1) 29·9 in: to 30·2 in: and more over the western parts of our Islands and France, and evidently still higher over the neighbouring parts of the Atlantic; (2) 29·9 in: to 30·1 in: and more over Russia. Lowest 29·4 in: and less, to 29·5 ins: in a complex depression lying over the eastern shores of the North Sea. Gradients rather steep over the British Islands. Rising later over Northern Europe generally, falling over Denmark and North Germany.

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 May, 1897.

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 ...	30·02	49	SW	0	c	30·12	+·19	55	53	+ 12	NE	2	r	*	c	*	59	32	0·12
	Hernösand ...	30·01	38	SW	0	bc	30·02	+·13	42	39	+ 2	NE	4	0	*	bc	*	45	32	0·32
	Stockholm ...	29·89	43	N	9	c	29·82	+·22	40	39	- 3	NW	4	0	*	0	*	50	39	0·20
	Wisby	29·94	42	SSE	4	0	29·89	+·22	35	34	- 8	NW	4	0	*	0	*	48	35	0·43
	Karlstad ...	29·83	42	S	2	b	29·93	+·52	41	40	+ 2	NE	4	r	*	b	*	*	*	0·12
	Bodö	29·95	45	ENE	2	bc	30·23	+·37	47	43	- 3	SW	0	c	0	bc	*	55	41	0·044
	Christiansund ...	29·92	45	WSW	1	c	30·13	+·37	46	44	+ 5	N	2	0	3	c	*	46	41	-
	Skudesnaes ...	29·88	43	N	9	c	29·96	+·31	46	41	+ 4	N	4	b	2	b,c	*	49	34	*
	Færder (Christiania Fjord)	29·78	47	N	1	b	29·90	+·39	43	42	+ 1	NE	4	0	2	b	*	46	41	0·12
	Skagen (The Scaw)	29·81	45	N	1	c	29·85	+·38	46	44	+ 4	ESE	1	0	0	c	*	54	39	0·12
	Fanö	29·84	44	NW	4	c	29·85	+·24	45	43	+ 2	NW	4	c	*	c	*	50	43	-
British Islands.	Sumburgh Head	30·11	36	N	4	0	30·22	+·28	39	36	- 1	N	2	0	4	0	*	45	35	0·01
	Stornoway ...	30·26	42	N	8	c	30·25	+·06	42	41	+ 2	SSE	2	c	2	c	4·5	44	37	-
	Wick	30·18	38	N	5	0	30·23	+·20	41	40	- 1	E	3	bc	2	0	*	42	36	0·02
	Nairn	30·26	41	NNW	2	c	30·27	+·15	43	40	+ 4	SE	0	c	1	c	*	43	34	-
	Aberdeen ...	30·19	39	NNW	4	0qp	30·26	+·20	41	36	0	NNW	3	0	3	c,0qp	3·3	45	36	0·01
	Leith	30·20	45	NNW	3	0	30·27	+·16	47	41	+ 4	N	2	bc	*	0	*	48	35	-
	Shields	30·17	43	N	8	c	30·25	+·21	42	39	+ 3	NW	2	c	4	c	*	46	38	-
	Spurn Head ...	30·13	44	NNW	5	c	30·21	+·24	42	41	- 1	NW	4	0	4	c,qk	*	46	39	-
	York	30·18	43	N	2	c	30·25	+·19	44	37	+ 4	WNW	2	b	*	c	2·6	48	37	-
	Loughborough ...	30·19	45	NNW	2	c	30·26	+·18	45	41	+ 4	NW	2	cmw	*	c,omcm	*	48	36	-
	Ardrossan ...	30·21	48	NW	3	b	30·26	+·12	47	44	+ 2	NW	2	b	1	c,b	*	51	37	-
	Malin Head ...	30·28	44	N	3	bc	30·29	+·07	47	47	+ 5	SW	3	c q	1	c,bc	*	49	41	-
	Belmullet ...	30·34	49	N	1	bc	30·34	+·03	48	45	+ 1	WSW	2	0	*	bc	*	50	39	-
	Donaghadee ...	30·27	45	NNW	6	c	30·31	+·12	49	45	+ 7	NNW	5	bc	3	c	*	50	35	-
	Liverpool (Bidston)	30·22	46	NW	3	b	30·28	+·15	46	40	+ 3	WNW	4	bc	2	b	*	49	40	-
	Holyhead ...	30·26	44	NNW	5	bc	30·31	+·14	45	42	+ 3	NW	4	c	3	c,bc	*	46	38	-
	Parsonstown ...	30·31	47	SW	0	0	30·36	+·09	47	43	+ 4	NE	1	b	*	c,0	1·9	50	33	-
	Valencia ...	30·35	50	NNW	4	c	30·38	+·06	49	45	+ 2	SW	0	b	1	bc,c	8·3	51	37	-
	Roche's Point ...	30·32	49	N	3	c	30·37	+·09	49	46	+ 4	N	1	b	2	c	*	51	44	-
	Pembroke (St. Ann's Hd.)	30·27	45	NE	5	bc	30·34	+·18	46	41	0	N	4	bc	3	bc	4·7	49	40	-
	Scilly	30·26	47	N	5	c	30·34	+·16	47	42	0	NNW	3	bc	2	c	8·0	49	42	-
	Prawle Point ...	30·22	46	NNE	3	c	30·33	+·19	45	42	- 3	NNE	3	bc	2	c	*	55	36	-
	Jersey (St. Aubin's)	30·19	49	NNW	4	b	30·31	+·22	50	44	0	NNE	3	oq	3	b	*	52	37	-
	Hurst Castle ...	30·18	47	NNE	2	cm	30·31	+·21	42	40	- 4	NW	1	cm	1	c,cm	*	50	34	-
	Dungeness ...	30·13	45	NNE	3	cp	30·26	+·25	45	41	+ 3	NNW	2	bc	2	c,cp	*	50	32	-
	North Foreland	30·13	46	NW	5	cp	30·24	+·22	45	40	+ 3	NW	5	bc	5	c,bc	*	50	39	0·01
	London (Brixton) ...	30·16	46	N	3	bc	30·27	+·21	42	39	- 1	SW	1	bcm	*	bc,o,b	6·8	49	32	-
	Oxford	30·23	42	N	1	c	30·30	+·20	38	36	- 2	W	1	b	*	c	*	49	32	-
	Cambridge ...	30·18	45	N	2	c	30·28	+·23	43	40	+ 1	NW	1	0	*	c	7·3	51	32	-
	Yarmouth ...	30·06	44	NNW	5	c	30·16	+·28	43	40	+ 4	NW	4	cq	5	cq	*	45	36	0·14
Germany & Holland.	Cuxhaven ...	29·80	46	NW	2	bc	29·89	+·22	45	42	+ 5	NW	3	0	*	bc,r	*	50	40	0·12
	Berlin	29·87	45	SW	2	b	29·98	+·22	45	42	+ 1	W	3	c	*	b	*	55	36	0·12
	Wiesbaden ...	*	*	*	*	*	30·08	+·20	43	41	- 1	SW	2	b	*	*	*	48	36	0·16
	Munich	30·00	37	NW	3	b	30·10	+·16	39	37	+ 3	NW	3	0	*	b	*	45	32	0·16
	The Helder ...	29·96	45	NNW	5	c	30·08	+·26	42	40	- 1	N	3	bc	2	c	*	46	42	0·20
Belgium.	Brussels ...	*	*	*	*	*	30·20	+·25	39	39	- 1	NW	4	s	*	b	*	49	37	0·43
	Cape Gris Nez ...	30·08	47	N	5	bc	30·19	+·22	44	41	+ 3	N	5	bc	5	bc	*	50	39	-
	Paris	30·10	44	NW	3	bc	30·25	+·23	43	41	+ 1	N	3	b	*	bc	*	54	32	0·04
	Brest	30·22	44	N	3	c	30·32	+·29	46	42	0	NE	1	c	1	c	*	52	39	-
	Lorient	30·17	49	NNE	4	c	30·30	+·20	44	42	- 2	ENE	3	m	2	c	*	57	41	-
France &	Rochefort ...	30·05	56	NNE	4	c	30·21	+·17	41	39	- 4	ENE	4	b	*	c	*	57	37	-
	Belfort	30·03	42	W	2	bc	30·20	+·22	38	36	+ 4	SW	2	m	*	bc	*	49	31	-
	Lyons	30·00	47	NNW	2	b	30·16	+·17	40	38	+ 1	N	2	c	*	b	*	56	38	-
	Nice	29·96	56	ENE	2	b	29·80	+·23	53	46	- 3	SW	0	bc	1	b	*	66	45	-
	Perpignan ...	29·93	61	NW	3	bc	30·10	+·20	53	45	- 2	NW	3	b	*	bc	*	68	47	-
	Biarritz ...	30·03	55	N	5	b	30·10	+·12	46	44	- 7	E	4	bc	2	b	*	59	43	-
Penin-sula.	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 ..... hrs;

WEATHER CHARTS

FOR Thursday, 13th May, 1897.

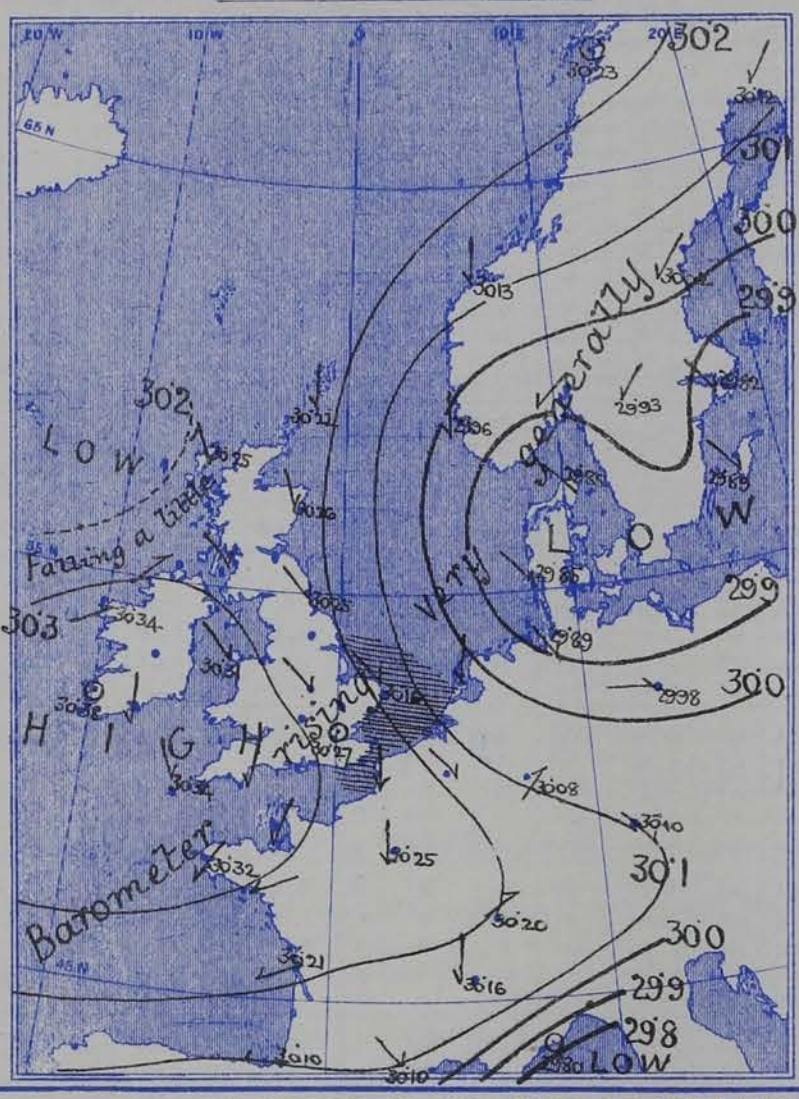
BAROMETER, WIND AND SEA.

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* ▬

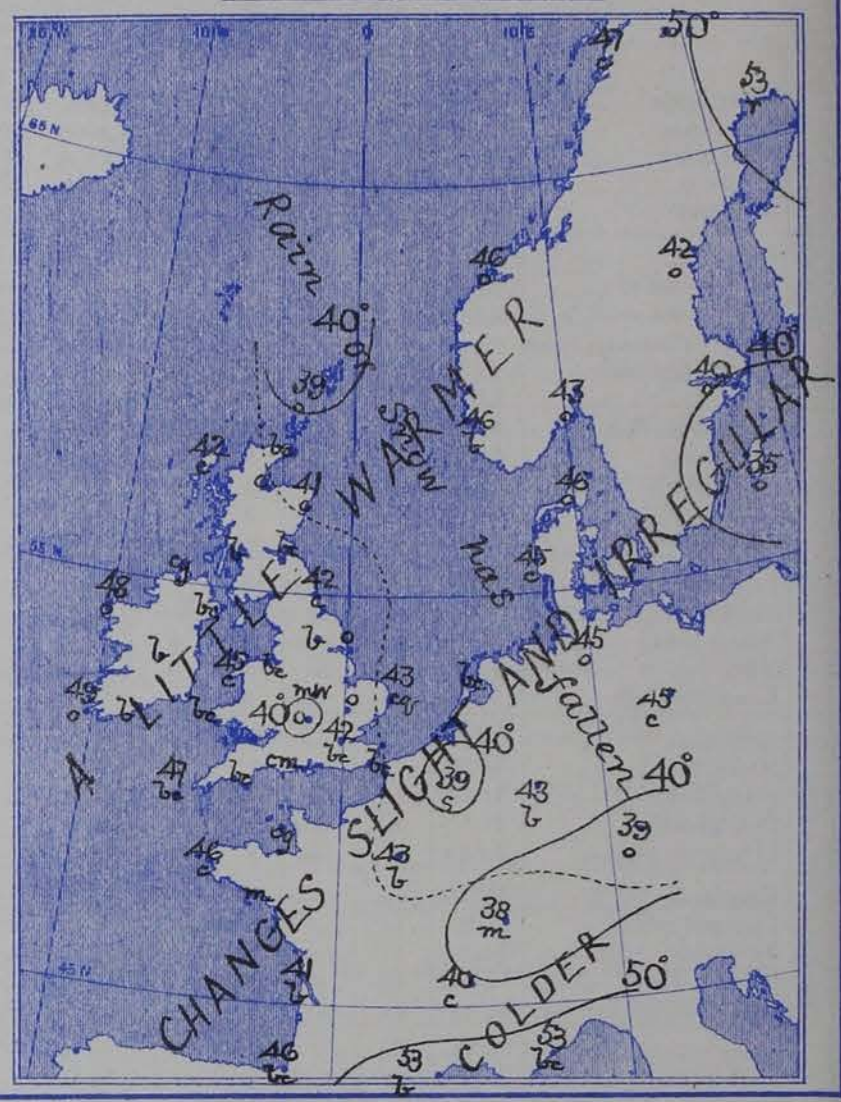


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 more to 30·2 in: over our Islands, the northern half of France, and the Bay of Biscay.
Lowest, about 29·8 in: in depressions over Denmark and the Baltic.
Gradients slight over our Islands and France, moderate over the North Sea, rather steep over the southeast of France.
Barometer falling slightly on our extreme northwest coasts, rising elsewhere, most in the east.

TEMPERATURE

Highest (1) 53° at Nice, 49° to 47° on our extreme west and southwest coasts; (2) 53° at Haparanda.
Lowest, 35° at Wisby, 38° at Oxford, 39° at Cambridge Head, Brussels and Munich.
Very sharp frost has occurred over our southern and south-midland counties; in London the grass thermometer went down to 24°, at Oxford to 25°, and Hunt Castle and Jersey both report hoar frost.

WIND

Light to moderate from the NW^{ly} over the North Sea and Great Britain, and light from N. over Ireland; on our extreme northwest coasts, however, it has become S^{ly}, but is of very little strength.
The NW^{ly} wind is decreasing gradually in force.

WEATHER

Fair generally, but dull or hazy in some localities, rather squally still at Yarmouth; snow is falling at Brussels.
Rain or snow has fallen at all the Scandinavian and German stations and in Belgium. Bright Sunshine recorded yesterday was 8 hrs at Valencia and Scilly, 8 to 10·5 hrs at our south coast stations, 7·3 hrs at Cambridge, 6·8 hrs in London; at York there was only 2·6 hrs, and at Aberdeen 3·3 hrs.

SEA

has gone down greatly, except in the southeast, where it is still rather rough

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the east is filling up quickly; a new one however, is apparently approaching our northwestern coasts. The general appearance is less settled than of late

FORECASTS

For the 24 hours ending at NOON on 14th MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light Variable breezes; cold, fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NW^{ly} to W^{ly} breezes, light; fair as a whole, cold.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W^{ly} and SW^{ly} winds, light; milder, perhaps slight showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	Varying airs; fair as a whole.
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 ...	29.75	49	44	N	6	b	2
Sumburgh Head	30.05	41	38	N	5	c	6
Stornoway	30.23	44	42	N	3	c	3
Aberdeen	30.14	43	38	NW	5	c q	5
Shields	30.13	44	41	N	4	c	5
Ardrossan	30.17	50	47	NW	4	c	3
Malin Head ...	30.27	45	42	N	4	c	2
Belmullet	30.34	48	44	NNW	1	b e	*
Holyhead	30.23	46	40	N	5	c	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.33	51	45	NW	4	b c	4
Scilly	30.24	48	46	N	5	c	3
Jersey	30.17	51	44	NE	5	b	3
Hurst Castle ...	30.15	48	43	NNE	3	c	2
Dungeness ...	30.08	47	41	N	4	c	3
North Foreland	30.08	42	42	NW	5	c	5
London (Westminster)	30.11	46	38	N	3	c	*
Yarmouth ...	30.02	44	41	NNW	5	c q	5
Rochefort ...	30.05	55	54	NW	4	c	*

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

Weather in morning fine and bright over the greater part of our Islands and Western Europe, as well as over the southern half of the Mediterranean, cloudy or overcast in most other places, with rain over Belgium and the northeast of France and in the south of Sweden, and cold showers at some of our eastern stations. Raining over Austria also. Considerable falls reported later at the Jutland and Swedish stations and at Yarmouth; very slight showers in some parts of Scotland.

Temperature falling rapidly over the southern parts of France, slowly over the British Islands and Germany, but rising over Russia. Morning readings highest 70° at Sfax and Algiers, and exceeding 60° over the north of Italy, as well as at Tesino and Trieste, and over many of the central and southern parts of Russia: 59° at St Petersburg, 52° at Kuopio, 50° at Bodö. Lowest, 34° at Belfort, 36° at Munich, 39° at Vienna and Lyons, and at Shields, Nairn, and Karlstad, 40° at Brussels, Oxford and Sumburgh Head. Scarcely exceeding 50° over England and Ireland during day, but touching 55° at Jersey and Berlin, as well as at the Scaw and Bodö, 57° in the southwest of France, 66° at Nice. Sharp frost over England at night.

Wind (1) N¹ to NW¹ over the British Islands and the North Sea, moderate to strong in force, SW¹ to S³ in North Germany, SE² to NE² over Finland and the northern half of Sweden; (2) N¹ and variable over France, NE³ and variable over Spain; (3) a complex, but well-marked, cyclonic circulation prevailing over the northern parts of the Mediterranean, Italy, and the Adriatic, and a feebler one over Transylvania. The N¹ wind in our Islands decreasing in force during day.

Barometer highest (1) 30·3 ins: and more to 30·0 ins: over the British Islands, the greater part of France, and all the neighbouring parts of the Atlantic; (2) 30·0 ins: and more over northern and central parts of Russia. Lowest about 29·4 ins: to 29·5 ins: in a depression lying over the southern parts of Sweden, and 29·6 ins: to 29·8 ins: in a very complex system over southern and southeastern Europe. The northern depression beginning to fill up later, and barometer rising over the whole of western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Friday 14th May, 1897.

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 ...	30·19	54	E	2	c	30·36	+ ·24	41	40	— 12	S	2	c	#	c	#	54	41	—
	Hernösand ...	30·15	36	S	4	bc	30·38	+ ·36	37	36	— 5	Z	0	f	#	bc	#	48	34	0·08
	Stockholm ...	30·17	41	S	2	b	30·32	+ ·50	43	41	+ 3	NNE	2	b	#	b	#	47	37	0·04
	Wisby	30·18	41	SE	4	b	30·29	+ ·40	44	42	+ 9	NNE	4	b	#	b	#	50	30	—
	Karlstad ...	30·04	42	ESE	2	bc	30·28	+ ·35	44	42	+ 3	S	2	c	#	r, bc	#	#	#	0·20
	Bodö	30·18	46	N	4	c	30·25	+ ·02	58	48	+ 11	E	2	b	0	c	#	?	43	—
	Christiansund ...	29·88	44	N	7	r	29·96	— ·17	50	42	+ 4	SE	5	b	4	r	#	50	43	0·12
	Skudesnaes ...	29·86	45	NNW	4	m	30·09	+ ·13	42	41	— 4	S	4	o	2	c, m	#	50	39	#
	Færder (Christiania Fjord)	29·92	43	SE	1	bc	30·21	+ ·31	46	44	+ 3	SSE	3	bc	3	bc	#	46	41	0·47
	Skagen (The Scaw)	29·93	46	S	3	bc	30·22	+ ·37	46	44	0	S	2	c	0	bc	#	51	43	0·04
	Fanö	29·99	44	WNW	3	c	30·18	+ ·33	45	42	0	WNW	4	c	#	c	#	48	43	—
British Islands.	Sumburgh Head	30·11	41	WNW	2	c	30·02	— ·20	43	40	+ 4	WSW	1	o	3	c	#	43	36	—
	Stornoway ...	30·14	47	SW	4	r	29·98	— ·27	44	43	+ 2	SW	4	o	4	o, r	7·2	48	39	0·03
	Wick	30·13	48	SE	2	bc	30·03	— ·20	45	44	+ 4	SW	2	o	2	bc	#	48	38	0·02
	Nairn	30·10	49	NE	1	bc	30·04	— ·23	51	50	+ 8	W	1	c	1	bc	#	55	40	0·07
	Aberdeen ...	30·15	48	NNW	2	bc	30·11	— ·15	46	44	+ 5	S	1	og	1	bc, r	6·0	50	40	0·03
	Leith	30·12	53	W	2	o	30·13	— ·14	49	48	+ 2	WSW	3	om	#	o	#	54	35	0·09
	Shields	30·19	43	ENE	2	bc	30·18	— ·07	46	46	+ 4	SW	1	r	3	c, bc, r	#	46	40	0·07
	Spurn Head ...	30·19	43	N	4	bc	30·22	+ ·01	47	46	+ 5	WNW	3	c	3	p, bc	#	47	40	—
	York	30·21	50	W	1	b	30·23	— ·02	46	45	+ 2	WSW	1	r	#	b	8·6	50	41	0·04
	Loughborough ...	30·21	49	SE	1	c	30·28	+ ·02	46	44	+ 1	WNW	2	omdp	#	om, o, b, o	#	51	35	—
	Ardrossan ...	30·18	50	WNW	2	o	30·13	— ·13	48	48	+ 1	SSW	2	omp	2	b, o	#	54	44	0·05
	Malin Head ...	30·19	48	W	3	og	30·05	— ·34	49	49	+ 2	SSW	4	og	2	og	#	50	45	0·03
	Belmullet ...	30·23	51	WSW	4	o	30·13	— ·21	51	49	+ 3	WSW	5	o	#	o	#	51	46	—
	Donaghadee ...	30·25	47	ESE	3	o	30·18	— ·13	50	48	+ 1	WSW	4	c	2	o	#	54	45	0·04
	Liverpool (Bidston)	30·24	48	WNW	3	b	30·24	— ·04	48	45	+ 2	WSW	1	o	1	b, r	#	51	42	0·03
	Holyhead ...	30·28	46	SW	1	c	30·24	— ·07	49	47	+ 4	SW	2	o	1	b, c	#	50	42	—
	Parsonstown ...	30·27	50	Z	0	b	30·21	— ·15	52	48	+ 5	SW	1	o	#	bc, o, d	2·7	52	46	0·02
	Valencia ...	30·31	50	SW	2	o	30·23	— ·15	51	47	+ 2	SSW	3	o	3	o	0·0	51	47	—
	Roche's Point ...	30·32	52	N	1	c	30·28	— ·09	52	48	+ 3	SW	3	o	3	c	#	53	47	—
	Pembroke (St. Ann's Hd.)	30·29	48	NW	4	c	30·27	— ·07	49	48	+ 3	NW	3	og	3	c	5·2	49	45	—
	Scilly	30·35	51	NW	2	bc	30·31	— ·03	51	45	+ 4	WNW	3	c	1	bc	8·3	53	42	—
	Prawle Point ...	30·28	48	NNW	3	c	30·32	— ·01	48	47	+ 3	W	3	o	2	c	#	52	40	—
	Jersey (St. Aubin's)	30·29	50	NW	3	b	30·35	+ ·04	50	46	0	WNW	3	c	3	bc, b	#	54	38	—
	Hurst Castle ...	30·24	52	WNW	3	c	30·31	·00	48	45	+ 6	W	1	bcm	0	c	#	53	40	—
	Dungeness ...	30·23	46	NNE	2	o	30·30	+ ·04	50	46	+ 5	SSW	2	c	1	o	#	51	35	—
	North Foreland	30·24	45	NW	3	o	30·30	+ ·06	49	44	+ 4	SW	2	o	2	o	#	51	39	—
	London (Erinton) ...	30·23	47	NNE	2	cg	30·30	+ ·03	49	43	+ 7	Z	0	cm	#	o, z, o, b	1·7	53	35	—
	Oxford	30·23	45	SSE	1	bc	30·30	·00	47	43	+ 9	SW	1	o	#	bc	#	52	38	—
	Cambridge ...	30·22	49	NE	1	b	30·29	+ ·01	47	44	+ 4	W	1	o	#	b	4·9	52	31	—
	Yarmouth ...	30·18	47	NNW	5	bc	30·23	+ ·07	47	44	+ 4	W	1	bc	3	hsq, bc	#	47	38	0·07
Germany & Holland.	Cuxhaven ...	30·01	47	NW	3	c	30·21	+ ·32	45	43	0	NW	2	bc	#	c	#	48	37	—
	Berlin	30·09	49	WNW	3	o	30·22	+ ·24	48	44	+ 3	NNW	3	c	#	b	#	51	39	—
	Wiesbaden ...	#	#	#	#	#	30·29	+ ·21	42	39	— 1	NW	2	bc	#	#	#	50	37	—
	Munich	30·12	40	SW	3	c	30·19	+ ·09	39	38	0	NW	4	c	#	c	#	46	34	0·16
	The Helder ...	30·13	46	NW	4	bc	30·27	+ ·19	46	41	+ 4	W	1	bc	1	bc	#	46	41	—
	Brussels ...	#	#	#	#	#	30·35	+ ·15	44	41	+ 5	SSW	1	b	#	b	#	51	31	0·04
	Cape Gris Nez ...	30·19	45	NNW	2	f	30·26	+ ·07	47	41	+ 3	S	1	m	1	f	#	50	37	—
	Paris	30·24	48	NNW	3	bc	30·29	+ ·14	41	40	— 2	S	1	m	#	bc	#	54	33	—
	Brest	30·36	50	N	1	bc	30·36	+ ·04	48	44	+ 2	NE	1	c	1	bc	#	54	39	—
	Lorient	30·27	51	WNW	3	c	30·35	+ ·05	46	43	+ 2	NNE	2	b	2	c	#	59	41	—
France & Belgium.	Rochefort ...	30·21	54	NW	3	bc	30·27	+ ·06	45	43	+ 4	E	3	bc	#	bc	#	66	41	—
	Belfort	30·15	41	S	2	c	30·27	+ ·07	40	39	+ 2	ENE	1	o	#	c	#	63	35	0·12
	Lyons	30·16	49	NNW	2	b	30·29	+ ·13	40	37	0	N	2	bc	#	b	#	54	36	—
	Nice	29·94	51	Z	0	bc	29·95	+ ·15	46	42	— 7	ENE	3	c	2	bc	#	61	41	0·04
	Perpignan ...	30·10	60	NW	3	b	30·23	+ ·13	53	44	0	N	2	b	#	b	#	63	43	—
	Biarritz ...	30·15	55	N	5	b	30·21	+ ·11	47	45	+ 1	NE	4	b	2	b	#	59	43	—
Peninsula.	Corunna ...																#			
	Lisbon	30·04	64	NNW	4	b	30·08	+ ·10	65	58	+ 2	S	1	b	#	b	#	72	59	—
	Azores (P. Delgada)	30·28	59	NE	3	o	30·23	— ·04	61	54	+ 2	NE	3	bc	2	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 13·0 hrs;

WEATHER CHARTS

FOR FRIDAY, 14TH MAY, 1897.

BAROMETER, WIND AND SEA.

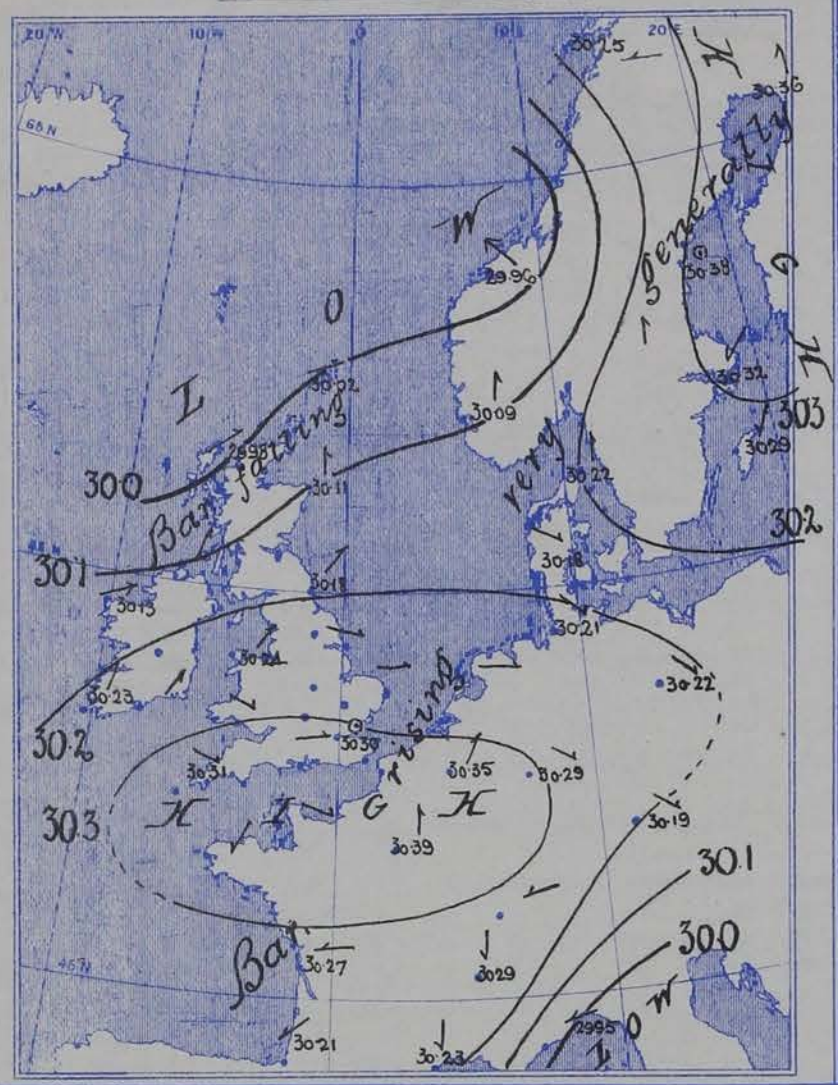
BAROMETER—Isobars are drawn for each tenth of an inch.

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 1 to 4* ⟶ ; }

SEA—Rough ▤ ; High ▩

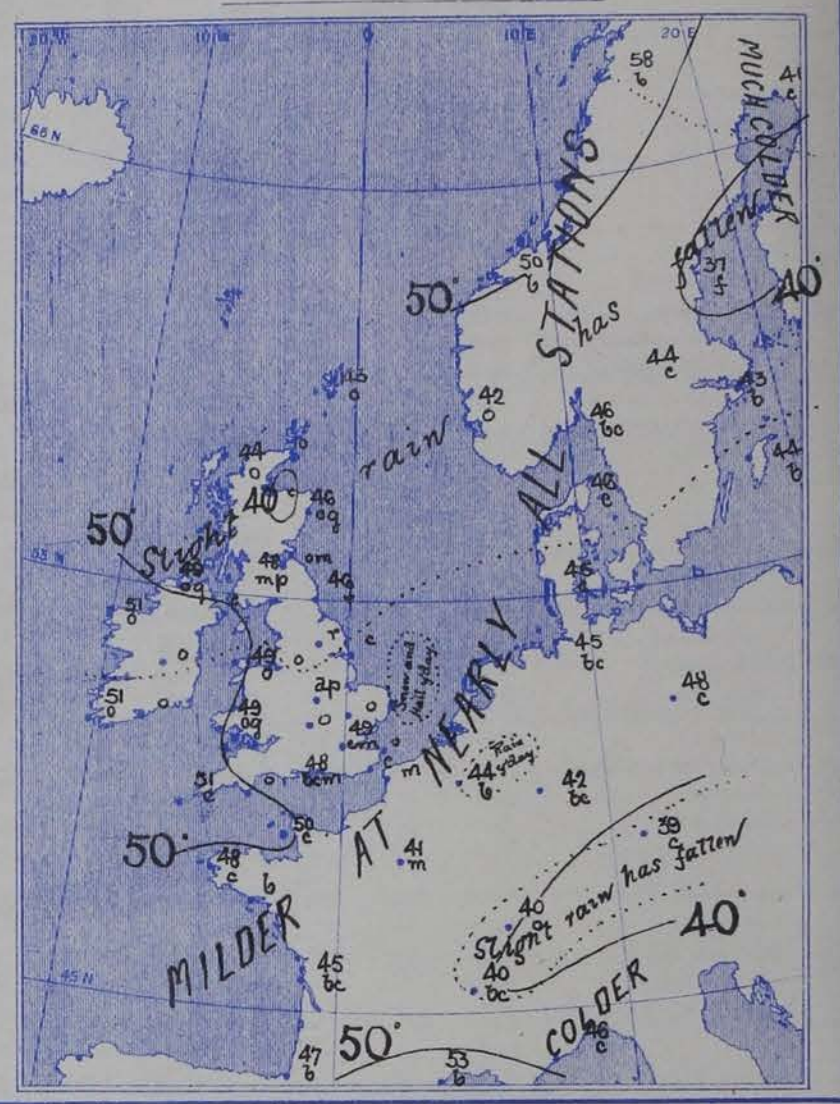


TEMPERATURE & WEATHER.

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 MAY.*

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	--	—	—	—	—	—
Belmullet	29 . 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 more in a large anticyclone lying over the southern parts of the United Kingdom, France and N. Germany.
Lowest 30.0 ins. and less in a shallow depression off our extreme north and northwest coasts.
Gradients slight over our Islands and France, moderate over Scandinavia.
Barometer falling on our N. and NW. coasts, rising elsewhere, most in Sweden and Denmark.

TEMPERATURE

Highest 65° at Lisbon, 58° at Bodö, 53° at Perpignan, 52° at Parsonstown and Rockle's Pt. and 51° at Belmullet, Scilly and Valencia (Ireland).
Lowest 37° at Stockholm, 39° at Munich, 40° at Belfort and Lyons, 44° at Stornoway, and 43° at Bamburgh Head.
Sharp frost occurred over our SE. districts last night; in London the grass thermometer fell to 29°.

WIND

Light to fresh from the N'wd. and SW'wd. over Ireland and Scotland, and light from the W'wd. over England; over France, however, varying light breezes from the E'wd. and NE'wd. were reported.

WEATHER

Fine and bright at many of the Continental stations, but dull or cloudy over the greater part of the United Kingdom, with slight rain over the NE'n & central districts of England. Rain has fallen over the N'rn and NW'n parts of the country, and also in Scandinavia; lightning was observed in London yesterday morning. Bright Sunshine recorded yesterday was 13 hrs at Southport, 8.6 hrs. at York, 7.2 hrs. at Stornoway, and 6 hrs. at Aberdeen.

SEA

Moderate at Stornoway, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions will probably continue to skirt our extreme N. and NW. coasts, where cloudy showery weather is likely to prevail. Over England the weather will probably remain fair for the present.

FORECASTS

For the 24 hours ending at NOON on 15TH MAY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW'ly and S'ly winds, freshening; cloudy, some showers, milder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW'ly and W'ly winds, light, fair as a whole, milder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W'ly to SW'ly winds, moderate; cloudy, some showers.
9	IRELAND NORTH	SW'ly to W'ly winds, freshening; cloudy, 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 ...	29.93	50	45	NNW	6	c	2
Sumburgh Head	30.17	42	38	WNW	2	c	4
Stornoway	30.19	48	47	S	4	o	4
Aberdeen	30.22	48	41	NW	2	bc	2
Shields	30.24	44	41	NNE	3	c	4
Ardrossan	30.22	53	51	WNW	3	fb	1
Malin Head ...	30.25	48	48	SW	3	o	2
Belmullet	30.30	50	47	WSW	3	o	*
Holyhead	30.31	49	45	NW	3	fb	2
Valencia	30.35	51	47	SW	2	o	3
Scilly	30.35	51	44	NNW	2	bc	1
Jersey	30.31	52	45	NNW	3	bc	3
Hurst Castle ...	30.27	51	44	WSW	3	c	1
Dungeness ...	30.24	48	47	WNW	2	o	1
North Foreland	30.24	47	40	NW	4	o	4
London (Westminster)	30.23	52	44	NW	2	c	*
Yarmouth ...	30.18	46	42	NNW	5	cq hs p	5
Rochefort ...	30.24	64	55	E	3	bc	*

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

Weather in morning fine and bright in most places, but cloudy or dull in Scandinavia, as well as at Mediterranean stations, with rain in some parts of Italy and snow at Brussels. Rain falling later in Ireland and Scotland, and also over Scandinavia. Lightning observed in London.

Temperature fallen over the S. of France and Italy, risen a little over our Islands, but changed very irregularly elsewhere. Morning readings highest (1) 66° at Nice, 65° at Algiers and Athens, and 64° at Oran, (2) 65° at Archangel, 64° at Ulealeo and St. Petersburg, and 62° at Riga, (3) 63° at Lisbon, 59° at Barcelona, and 53° at Nice and Perpignan. Lowest (1) 35° at Wisby, 38° at Cracovie and Belfort, 39° at Le Mans, (2) 28° at Oxford, and 39° at Sumburgh Head. Slightly exceeding 50° over England and Ireland during day, but reaching 72° at Lisbon, 66° at Rochefort, and 63° at Perpignan. Sharp frost over SE. of England at night.

Wind NW.; light over the North Sea and Gt. Britain. Very variable over the Continent generally, with cyclonic circulations over Denmark and the Baltic, and also over the Gulf of Genoa. Wind backing to the SW^wd. on our west and northwest coasts later, but remaining light or moderate in force.

Barometer falling a little on our extreme NW. coasts, but rising elsewhere. Highest (1) 30.4 ins. and more over the N. of Russia, (2) 30.3 ins. and more over the W^m. and SW^m. parts of the United Kingdom, and the NW^m. parts of France. Lowest about 29.8 ins. in a depression over Denmark and the Baltic, and also over the Gulf of Genoa. Barometer falling rather more decidedly in the NW. later, and shallow depressions beginning to approach the Atlantic coasts of Gt. Britain.

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 Saturday, 15th May, 1897.

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 ...	30·34	57	NE	0	b	30·42	+·06	68	61	+27	NE	0	b	#	b	#	75	39	-
	Hernösand ...	30·39	46	SW	2	be	30·45	+·07	49	44	+12	NW	4	0	#	be	#	52	30	0·08
	Stockholm ...	30·39	48	NE	2	c	30·35	+·09	51	46	+8	N	6	0	#	c	#	57	34	-
	Wisby	30·33	43	NNE	4	0	30·30	+·01	42	41	-2	NNE	4	0	#	0	#	46	36	-
	Karlstad ...	30·41	49	N	2	b	30·47	+·19	50	44	+6	NW	4	b	#	b	#	#	#	-
	Bodö	30·32	57	SE	2	b	30·58	+·33	47	43	-11	E	0	b	0	b	#	68	43	-
	Christiansund ...	30·38	45	NNW	2	b	30·56	+·60	45	43	-5	ESE	1	b	3	b	#	50	39	-
	Skudesnaes ...	30·39	46	S	2	b	30·56	+·47	45	44	+3	S	2	b	1	b	#	48	37	#
	Færder (Christiania Fjord)	30·45	50	SW	1	b	30·53	+·32	47	44	+1	S	2	b	1	b	#	50	43	-
	Skagen (The Scaw)	30·43	46	E	0	b	30·51	+·29	48	45	+2	NNE	2	b	0	b	#	63	45	-
	Fanö	30·40	43	NNW	2	b	30·49	+·31	43	42	-2	NE	2	b	#	b	#	52	39	-
	Sumburgh Head	30·14	46	S	3	0	30·34	+·32	45	45	+2	S	2	m	4	qp.0	#	46	43	0·06
	Stornoway ...	30·06	51	SW	4	0	30·25	+·27	43	42	-1	SW	4	0	4	0	0·4	52	38	0·04
	Wick	30·13	52	SW	2	b	30·30	+·27	51	50	+6	S	2	be	2	b	#	53	43	0·02
	Nairn	30·12	55	W	1	c	30·30	+·26	57	55	+6	E	0	c	1	c	#	60	45	-
	Aberdeen ...	30·18	55	S	2	c	30·38	+·27	54	50	+8	SSW	2	0	1	o.c	0·3	56	46	-
British Islands.	Leith	30·21	53	WSW	1	0	30·38	+·25	52	49	+3	E	0	0m	#	0	#	57	48	-
	Shields	30·25	51	E	0	0	30·41	+·23	50	48	+4	E	0	f	2	0	#	56	45	-
	Spurn Head ...	30·29	48	SSE	3	0	30·43	+·21	51	50	+4	N	1	0m	2	0	#	53	47	-
	York	30·28	57	W	1	bc	30·43	+·20	50	48	+4	W	1	0	#	bc	0·7	57	45	0·01
	Loughborough ...	30·31	53	W	1	0	30·43	+·15	51	49	+5	WNW	1	cmw	#	o.c.oqm	#	58	46	-
	Ardrossan ...	30·21	50	SSW	2	0m	30·37	+·24	52	51	+4	SSW	1	0m	1	0m	#	52	46	0·07
	Malin Head ...	30·13	52	SSW	3	0	30·28	+·23	51	51	+2	S	4	0q	1	0	#	53	48	-
	Belmullet ...	30·15	52	SW	5	0	30·28	+·15	51	49	0	S	4	0	#	0	#	54	48	-
	Donaghadee ...	30·25	52	SSW	3	0	30·38	+·20	51	49	+1	SSW	3	0	1	0	#	55	47	-
	Liverpool (Bidston)	30·30	55	W	1	0	30·43	+·19	54	48	+6	E	0	be	1	c.0	#	57	44	-
	Holyhead ...	30·30	51	SW	3	bc	30·41	+·17	50	48	+1	S	2	0m	1	c.bc	#	54	46	-
	Parsonstown ...	30·23	52	SE	1	0	30·36	+·15	50	46	-2	E	0	0	#	0	0·5	55	47	-
	Valencia ...	30·23	50	S	4	oqm	30·29	+·06	52	48	+1	SSE	4	0	3	o.q.omq	0·0	54	48	-
	Roche's Point ...	30·31	52	SSW	4	0	30·37	+·09	50	48	-2	S	4	0	4	0	#	54	49	-
	Pembroke (St. Ann's Hd.)	30·35	47	W	3	0	30·40	+·13	51	49	+2	E	1	c	2	0	0·6	52	45	-
	Scilly	30·34	52	SSW	1	c	30·34	+·03	53	49	+2	ESE	4	c	2	o.c	0·0	55	45	-
	Prawle Point ...	30·37	49	W	3	c	30·41	+·09	53	51	+5	NE	2	b	1	c	#	54	44	-
	Jersey (St. Aubin's)	30·37	53	NW	3	by	30·40	+·05	57	51	+7	NE	3	bw	3	bc.bw	#	57	45	-
	Hurst Castle ...	30·33	48	W	1	bcm	?	?	54	52	+6	ENE	1	cm	0	bcm	#	57	43	-
	Dungeness ...	30·33	51	SW	3	0	30·43	+·13	50	49	0	E	0	c	0	0	#	56	48	-
Germany & Holland.	North Foreland	30·34	52	S	2	0	30·44	+·14	53	50	+4	S	2	b	2	0	#	54	46	-
	London (Brixton) ...	30·33	55	NW	1	0	30·42	+·12	57	50	+8	NE	1	bm	#	0.m	1·0	58	47	-
	Oxford	30·36	52	NW	1	0	30·43	+·13	55	51	+8	NE	1	bm	#	0	#	57	47	-
	Cambridge ...	30·33	54	W	1	0	30·43	+·14	54	50	+7	WSW	1	cm	#	c.0	1·5	57	46	-
	Yarmouth ...	30·28	51	NNE	3	bc	30·41	+·18	50	48	+3	NNE	2	bc	3	bc	#	52	45	-
	Cuxhaven ...	30·34	50	N	2	b	30·43	+·22	50	47	+5	NNW	2	b	#	b	#	50	45	-
	Berlin	30·30	50	NW	4	0	30·24	+·02	49	45	+1	NW	5	0	#	0	#	57	46	0·08
	Wiesbaden ...	*	*	*	*	*	30·37	+·08	47	43	+5	NW	4	c	#	#	#	54	41	-
	Munich	30·24	39	NW	3	r	30·22	+·03	38	38	-1	NW	4	r	#	r	#	48	37	0·83
	The Helder ...	30·36	48	S	1	0	30·46	+·19	49	45	+3	E	1	b	1	0	#	50	46	-
France & Belgium.	Brussels ...	*	*	*	*	*	30·46	+·11	48	44	+4	E	1	c	#	b	#	53	38	-
	Cape Gris Nez ...	30·30	50	WSW	2	0	30·38	+·12	52	47	+5	S	1	m	1	0	#	54	45	-
	Paris	30·34	52	NE	1	b	30·40	+·01	47	43	+6	NE	2	b	#	b	#	59	35	-
	Brest	30·34	52	N	2	0	30·33	-·03	49	46	+1	ESE	2	b	1	0	#	55	41	-
	Lorient	30·34	51	NNW	2	b	30·33	-·02	48	46	+2	E	4	b	2	b	#	59	41	-
	Rochefort ...	30·26	57	NW	4	m	30·26	-·01	47	44	+2	E	3	m	#	m	#	64	43	-
	Belfort	30·28	45	NE	2	c	30·30	+·03	41	39	+1	E	0	c	#	c	#	52	33	0·04
	Lyons	30·27	51	N	3	b	30·24	-·05	44	40	+4	N	2	b	#	b	#	55	38	-
	Nice	30·02	52	NW	2	b	29·95	·00	55	46	+9	E	1	b	1	b	#	61	45	-
	Perpignan ...	30·17	61	NW	3	b	30·15	-·08	57	46	+4	NW	2	b	#	b	#	65	46	-
	Biarritz ...	30·17	57	N	4	b	30·14	-·07	47	45	0	NE	4	b	2	b	#	66	43	-
Peninsula.	Corunna ...																#			
	Lisbon	30·06	64	NNW	4	b	29·99	-·09	68	57	+3	N	2	bc	#	b	#	75	61	-
	Azores (P. Delgada)	30·12	60	SW	4	c	29·91	-·32	60	59	-1	SW	4	0	6	c	#	64	57	0·32

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.*

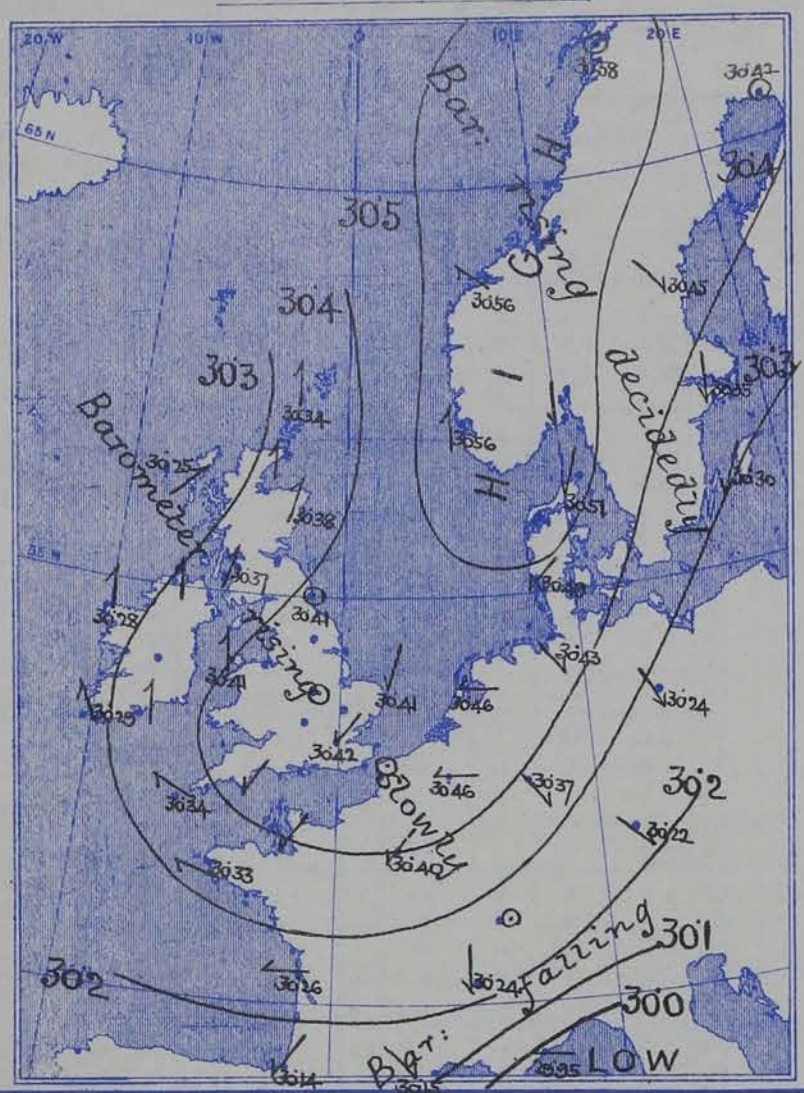
Bright Sunshine yesterday Southport 3.4 hrs;

WEATHER CHARTS

FOR Saturday, 15TH May, 1897.

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 MAY.*

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 , 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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, 30·5 ins: and upwards at the Norwegian stations, and exceeding 30·4 ins: over the whole of Scandinavia, the North Sea, England and the Netherlands.
Lowest, Below 30·3 ins: over Central Europe on the one hand, and off our extreme north-western coasts on the other.
Gradients slight, especially over England and the North Sea.
Barometer rising throughout our Islands – most in the north.

TEMPERATURE

Highest, (1) 68° at Haparanda, 51° at Stockholm; (2) 57° in London and exceeding 50° over our midland, southern, and south-eastern districts generally; (3) 68° at Lisbon.
Lowest, (1) 38° at Munich, 41° at Belfast, 42° at Wick; (2) 43° at Stornoway, 45° at Sumburgh Hd. Skudenaes and Christiansund.
It is rising very decidedly over England. In London, the 8 am reading is all but as high as the maximum recorded yesterday.
The night minima were not nearly so low as those observed of late.

WIND

Moderate from the S.ward on our western and northern coasts, very variable and light over England, E.ly and light over the Channel, N.ly to NW.ly over the Baltic and Germany.

WEATHER

Overcast at our western and northern stations, very fine over Scandinavia, the North Sea, and England, unsettled over Central Europe, with heavy rain at Munich.
Bright Sunshine recorded yesterday was 3·4 hrs at Southport, 1·3 hrs at Cambridge, 1·0 hr in London, less than an hour at the Scotch and Irish stations, none at Valencia (Ireland).

SEA

Moderate in the extreme north and southwest, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is fine and quiet over our Islands.

FORECASTS

For the 24 hours ending at NOON on 16th MAY, 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.ly winds, moderate to light; fair.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	SE.ly airs; fine, warmer.	7 ENGLAND N.W.	Same as Nos 3 to 5.
2 ENGLAND N.E.		8 ENGLAND S.W.	E.ly breezes, moderate to light; fine, dry.
3 ENGLAND EAST	Variable E.ly airs; fine, warmer.	9 IRELAND NORTH	S.ly and SE.ly winds, moderate; fair in the east, showery in the west.
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 ...	30·15	48	45	NW	2	c	2
Sumburgh Head	30·10	45	44	S	2	op	3
Stornoway	30·02	52	50	SW	4	o	4
Aberdeen	30·14	52	49	SSE	2	c	2
Shields	30·21	54	50	WSW	3	o	3
Ardrossan	30·16	48	48	SSW	2	o	2
Malin Head ...	30·13	52	51	SSW	3	o	1
Belmullet	30·13	54	50	SSW	4	c	*
Holyhead	30·28	52	50	SW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·23	52	49	SSW	4	og	5
Scilly	30·34	54	48	W	1	c	0
Jersey	30·37	55	48	WNW	3	bc	3
Hurst Castle ...	30·33	56	53	SW	4	bc	2
Dungeness ...	30·32	52	49	SSW	3	o	2
North Foreland	30·33	52	47	S	3	o	2
London (Westminster)	30·31	57	49	W	1	o	*
Yarmouth ...	30·26	52	48	SSE	3	bc	3
Rochefort ...	30·28	61	54	NW	3	m	*

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

Weather in morning still fine and bright over northern Europe, the North Sea, France, and the south and east of England; fine and bright over the Mediterranean and the south of France also. Cloudy or overcast elsewhere, very rainy over Austria and the south of Russia, and rather rainy in some parts of England. Heavy rain falling later at Munich, but very small quantities over the northern parts of Great Britain.

Temperature inclined to increase over the British Islands and the neighbourhood, and to decrease over Italy and the Adriatic. Morning readings highest 67° at Constantinople and Brindisi, and rather above 60° on the southern and western coasts of the Mediterranean; 65° at Moscow, 54° at Kuopio, and 58° at Bodö; 50° to 52° on the extreme southern and western coasts of our Islands, 51° at Nairn; Lowest 35° at Limoges, 39° at Munich and Vienna, 37° at Munster, as well as at Hernösand. Failing to reach 60° over nearly the whole of our Islands, but touching 59° at Paris, 61° at Nice, 66° at Biarritz.

Wind (1) light to moderate from between SW. and W. on the Irish and Scotch coasts, and from between S. and E. at the Norwegian stations; (2) N. over the Baltic and the greater part of Central Europe, NE. to NW. over the Mediterranean; (3) very light and variable (anticyclone) over the greater part of England, the Netherlands, and France, as well as over Northern Europe. No decided change later.

Barometer highest (1) 30·4 in: and more to 30·2 in: in an anticyclone over Northern Europe, 30·3 in: and more to 30·2 in: in another over France, England, and the south of Ireland. Lowest, 29·9 in: and less to 30·0 in: over the whole of southeastern Europe, and below 30·0 in: over the Hebrides, the Faroe Isles, and neighbouring parts of the Atlantic. Rising slightly over the British Islands later, and quickly 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 Sunday 16th May, 1897.

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 ...	30·46	62	N	2	c	30·40	—·02	61	59	— 1	SSE	3	b	*	c	*	79	46	—
	Hernösand ...	30·46	52	N	2	o	30·45	·00	55	48	+ 6	NW	6	bc	*	o	*	55	37	012
	Stockholm ...	30·39	50	N	4	o	30·39	+ ·04	56	54	+ 4	NNE	4	o	*	o	*	57	41	—
	Wisby	30·33	43	NE	4	b	30·30	·00	43	42	+ 1	NE	4	b	*	b	*	45	36	—
	Karlstad ...	30·42	59	NNE	2	b	30·45	— ·02	60	50	+ 10	NE	4	b	*	b	*	*	*	—
	Bodö	30·65	47	N	1	b	30·62	+ ·04	44	43	— 3	W	1	o	0	b	*	52	41	—
	Christiansund ...	30·65	49	SE	1	b	30·65	+ ·09	49	45	+ 4	ENE	2	b	3	b	*	52	43	—
	Skudesnaes ...	30·59	48	NNW	2	b	30·57	+ ·01	49	44	+ 4	NNW	2	b	1	b	*	50	37	*
	Færder (Christiania Fjord)	30·47	56	WNW	1	bc	30·49	— ·04	51	45	+ 4	N	4	b	2	bc	*	56	46	—
	Skagen (The Scaw)	30·46	52	NNW	3	bc	30·43	— ·08	49	46	+ 1	NNE	3	b	0		*	54	46	—
	Fanö	30·43	48	N	6	c	30·32	— ·17	54	49	+ 11	NNE	4	b	*	c	*	57	43	—
BRITISH ISLANDS.	Sumburgh Head	30·34	50	S	1	b	30·50	+ ·16	49	47	+ 4	SSW	1	b	3	o,b	*	53	42	—
	Stornoway ...	30·35	53	SW	4	o	30·45	+ ·20	48	47	+ 5	SSW	4	c	5	o	0·2	53	41	—
	Wick	30·41	33	S	2	o	30·49	+ ·19	54	52	+ 3	S	1	b	0	o	*	60	42	—
	Nairn	30·41	59	W	1	bc	30·48	+ ·18	53	52	— 4	calm	0	b	0	bc	*	65	38	—
	Aberdeen ...	30·46	53	S	2	bc	30·50	+ ·12	51	51	+ 3	SSE	2	bm	1	c,bc	3·3	57	39	—
	Leith	30·43	54	calm	0	o	30·51	+ ·13	55	51	+ 3	SE	1	b	*	o	*	59	45	—
	Shields	30·46	52	SE	2	o	30·50	+ ·09	50	48	0	ENE	2	f	2	c,o	*	55	42	—
	Spurn Head ...	30·45	49	ESE	4	b	30·47	+ ·04	48	47	— 3	NNE	4	b	3	b	*	55	42	—
	York	30·45	60	E	1	o	30·49	+ ·06	55	48	+ 5	NE	1	b	*	o	1·6	63	39	—
	Loughborough ...	30·43	59	NNE	1	o	30·48	+ ·05	48	45	— 3	NE	2	bmw	*	c,om.bf.	*	62	35	—
	Ardrossan ...	30·42	51	SSW	1	o	30·49	+ ·12	51	55	+ 5	NE	1	bf	1	o	*	51	45	—
	Malin Head ...	30·34	56	S	3	cm	30·43	+ ·15	56	54	+ 4	S	2	b	1	cm	*	51	46	—
	Belmullet ...	30·32	55	SSW	1	c	30·23	— ·05	55	50	+ 4	SSW	1	b	*	o,c	*	56	43	—
	Donaghadee ...	30·43	52	SE	4	bc	30·48	+ ·10	50	49	— 1	NNW	3	m	1	bc	*	57	36	—
	Liverpool (Bidston)	30·42	59	calm	0	o	30·48	+ ·05	56	48	+ 2	ESE	1	b	?	b,o	*	64	49	—
	Holyhead ...	30·43	52	NE	1	c	30·45	+ ·04	56	53	+ 6	NE	1	b	1	c	*	59	46	—
	Parsonstown ...	30·36	56	SE	1	bc	30·45	+ ·09	52	48	+ 2	calm	0	b	*	bc	2·0	58	38	—
	Valencia ...	30·29	56	SSE	4	bm	30·38	+ ·09	60	52	+ 8	ESE	2	b	2	c,bm	7·7	60	47	—
	Roche's Point ...	30·38	52	SE	4	b	30·43	+ ·06	57	54	+ 7	ESE	3	bw	3	b	*	57	47	—
	Pembroke (St. Ann's Hd.)	30·39	55	SE	3	b	30·40	·00	54	52	+ 3	ESE	3	bm	2	b	9·3	56	46	—
	Scilly	30·35	54	E	4	b	30·33	— ·01	54	49	+ 1	E	2	b	1	b	13·8	56	48	—
	Prawle Point ...	30·39	50	NE	3	b	30·36	— ·05	51	49	— 2	NE	4	b	3	b	*	50	47	—
	Jersey (St. Aubin's)	30·35	54	NE	4	b	30·32	— ·08	52	49	— 5	NE	4	cm	3	b	*	63	48	—
	Hurst Castle ...	30·39	55	WSW	1	bm	30·37	?	53	48	— 1	NE	3	bc	2	bm	*	60	42	—
	Dungeness ...	30·40	53	NE	3	b	30·33	— ·10	51	48	+ 1	NE	4	b	3	b	*	58	45	—
	North Foreland	30·43	52	NE	3	b	30·36	— ·08	49	46	— 4	N	5	o	5	b	*	56	45	—
	London (Brixton) ...	30·40	54	ENE	2	bc	30·40	— ·02	52	46	— 5	NNE	3	b	*	o,bc	4·0	65	46	—
	Oxford	30·42	56	NE	2	o	30·43	·00	48	45	— 7	NNE	3	bc	*	o	*	64	39	—
	Cambridge ...	30·47	62	E	2	bm	30·44	+ ·01	50	47	— 3	NNE	3	bw	*	bm	6·6	65	36	—
	Yarmouth ...	30·43	53	ENE	3	b	30·41	·00	53	46	0	N	4	b	4	b	*	56	44	—
GERMANY & HOLLAND.	Cuxhaven ...	30·35	52	N	4	c	30·23	— ·20	52	49	+ 2	NNE	3	c	*	c	*	59	48	—
	Berlin	30·12	52	N	5	o	30·08	— ·16	52	51	+ 3	NNE	2	o	*	o	*	54	48	008
	Wiesbaden ...	*	*	*	*	*	30·08	— ·29	56	52	+ 9	N	4	b	*	*	*	59	50	012
	Munich	30·33	51	NNE	3	o	?29·98	— ·24	51	50	+ 13	NNE	1	c	*	o	*	61	38	—
	The Helder ...	30·44	48	NE	4	b	?30·30	— ·16	50	47	+ 1	NNE	6	b	3	b	*	52	46	—
FRANCE & BELGIUM.	Brussels ..	*	*	*	*	*									*		*			
	Cape Gris Nez ...	30·35	52	ENE	3	m	30·28	— ·10	50	47	— 2	NE	5	o	4	m	*	59	45	—
	Paris	30·31	57	NE	3	b	30·19	— ·21	48	45	+ 1	NNE	2	c	*	b	*	64	45	—
	Brest	30·26	61	E	1	b	30·28	— ·05	49	46	0	NE	2	o	2	b	*	66	41	—
	Lorient	30·29	61	NW	2	bc	30·24	— ·09	48	46	0	NE	3	m	2	bc	*	66	45	—
	Rochefort ...	30·47	63	E	4	b	30·11	— ·15	50	47	+ 3	NE	5	bc	*	b	*	70	46	—
	Belfort	30·23	46	NE	6	o	30·04	— ·26	45	44	+ 4	NE	4	m	*	o	*	54	41	—
	Lyons	30·12	52	NNE	3	bc	30·02	— ·22	49	45	+ 5	N	2	bc	*	bc	*	60	42	—
	Nice	29·90	55	SW	1	o	29·81	— ·14	60	49	+ 5	calm	0	bc	0	o	*	68	48	—
	Perpignan ...	30·01	66	NW	3	b	30·09	— ·06	59	47	+ 2	NW	2	b	*	b	*	70	46	—
	Biarritz ...	30·04	59	N	4	b	30·03	— ·11	51	46	+ 4	E	3	b	2	b	*	68	46	—
PENINSULA.	Corunna ...	30·02	64	N	3	b	29·97		60	53		E	1	b	2	b	*	72	48	—
	Lisbon	29·95	63	NNW	5	b	29·91	— ·08	65	60	— 3	ESE	2	b	*	b	*	77	57	—
	Azores (P. Delgada)	29·84	58	NNW	4	c	29·76	— ·15	59	52	— 3	NW	4	c	5	c	*	63	54	036

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 8·5 hrs;

WEATHER CHARTS

FOR SUNDAY, 16TH MAY, 1897.

BAROMETER, WIND AND SEA.

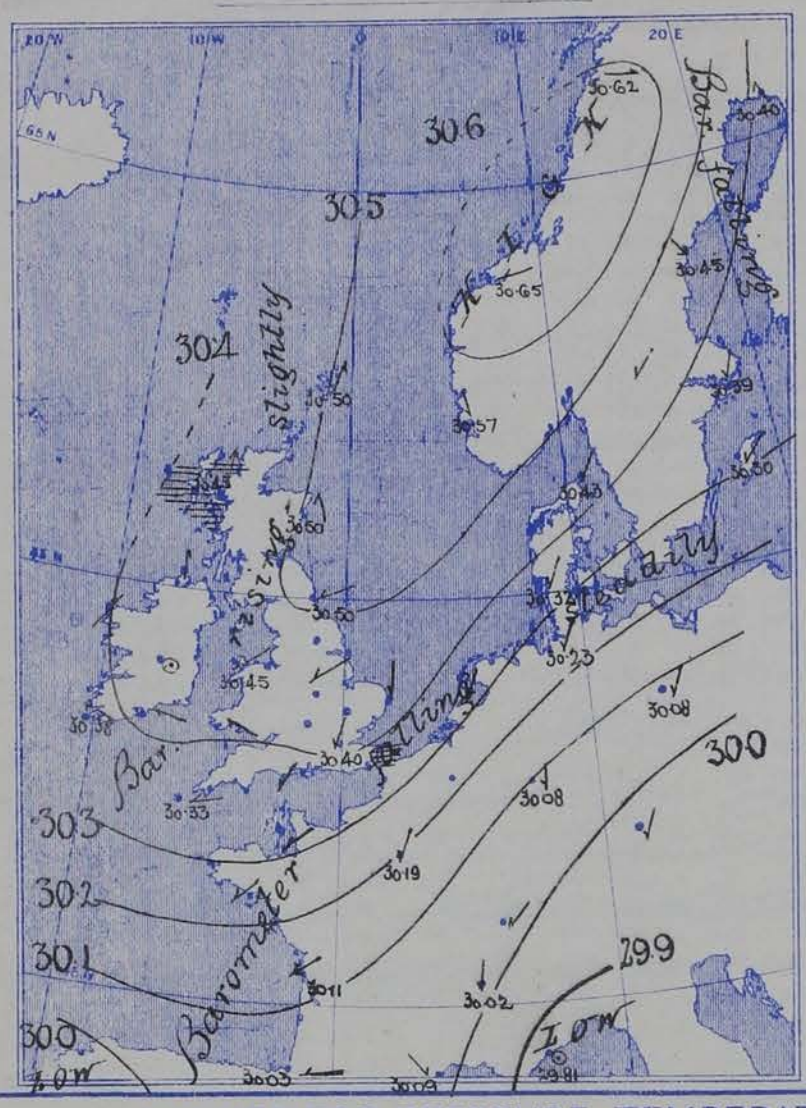
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤

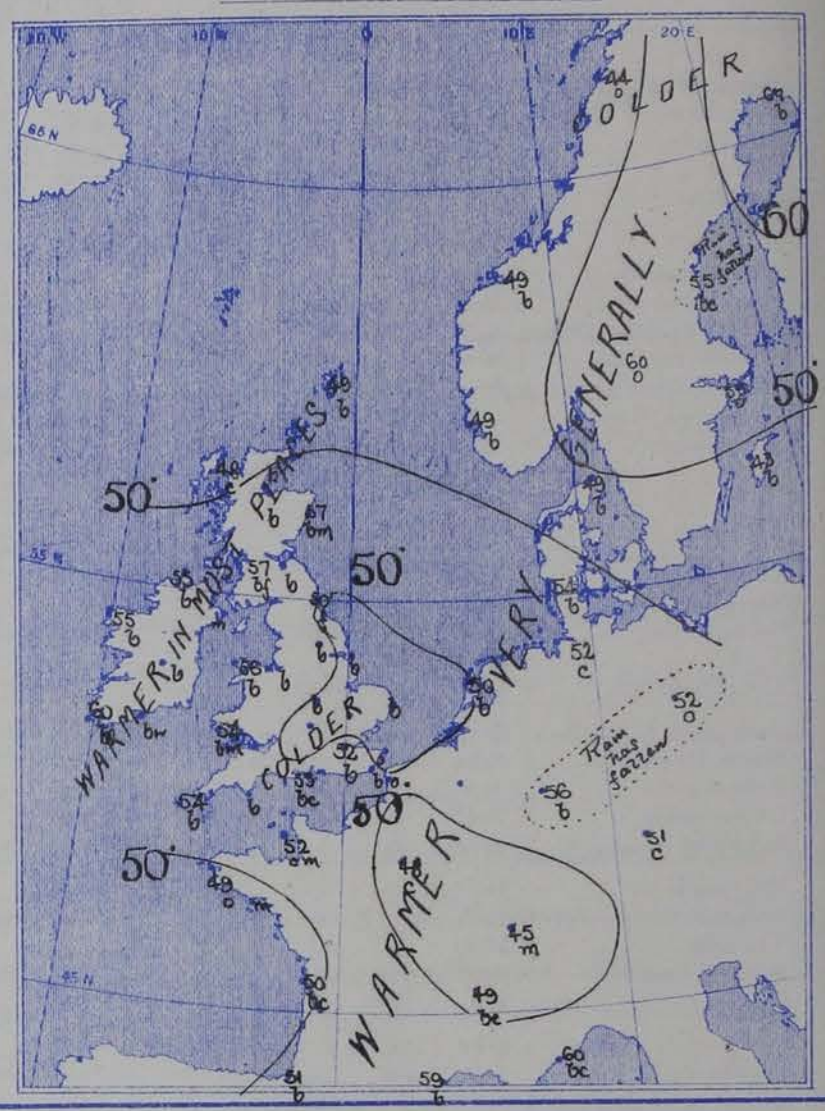


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 , 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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, 30·6 ins: and more to 30·4 ins: over Norway and all the northern parts of our Islands.
Lowest, Below 29·9 ins: over the southeast of France and north of Italy, as well as off the Portuguese coast.
Gradients moderate over Denmark, Germany, and France, very slight over the greater part of our Islands and Norway.
Barometer risen at the western and northwestern stations, fallen over Central Europe, and the fall is spreading over our Islands from the southeastward.

TEMPERATURE

Highest, 65° at Lisbon, 60° at Coruna, Nice, and Valencia Sta; 56° at Wiesbaden and Helgoland, 51° at Aberdeen and Aberdeen; 67° at Haparanda, 55° at Hernösand.
Lowest, 44° to 49° on the west coast of Norway, 48° at the Scaw; 49° at the North Foreland, 48° at Oxford and Loughborough, 50° at Sheffield.
The maxima recorded over England yesterday ranged from 60° to 65°; the night minima were not low.

WIND

Light and anticyclonic over all the western and northwestern part of our area, but NE 3, moderate and gusty, and increasing over our southeastern counties, strong at the Helder.
Over England it has backed during the night.

WEATHER

Fine generally, but the appearance of the sky is not settled. Rain has fallen over Germany — but not in large quantities.
Bright Sunshine recorded yesterday was 13·8 hrs at Scilly, 9·3 hrs at Pembroke, 8·5 hrs at Southport, 7·7 hrs at Valencia, and 6·6 hrs at Cambridge, much less elsewhere, and only 0·2 hr: at Stornoway.

SEA

Slight to smooth at most stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 17th May 1897.

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 ...	30·59	50	44	WSW	2	b	1
Sumburgh Head	30·41	48	47	SSE	1	o	4
Stornoway	30·34	53	52	SW	4	o	4
Aberdeen	30·44	54	49	S	2	c	1
Shields	30·45	53	50	E	2	c	2
Ardrossan	30·41	52	51	SSW	1	bc	1
Malin Head ...	30·39	54	53	S	4	o	1
Belmullet	30·32	54	50	SSW	4	o	*
Holyhead	30·45	56	51	N	1	c	1
Valencia	30·31	57	52	SSE	4	c	4
Scilly	30·34	54	51	ESE	4	b	2
Jersey	30·37	62	54	ENE	3	b	3
Hurst Castle ...	30·42	59	53	SSW	1	bm	1
Dungeness ...	30·42	57	51	N	2	o	b 0
North Foreland	30·44	55	50	SE	3	b	2
London (Westminster)	30·41	62	52	NE	1	o	
Yarmouth ...	30·43	54	51	SE	2	bc	3*
Rochefort ...	30·21	66	64	E	4	b	*

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

Weather in morning fine and bright over Norway and the North Sea, the eastern and southern parts of Great Britain, as well as over France, Spain, the Mediterranean, and the northern parts of Russia; dull in the extreme west and northwest of our Islands; dull, misty and rainy over Central Europe. Rain later over Germany and some parts of Sweden, as well as in the Azores; weather very fine over the British Islands and France with some fog in places.

Temperature risen decidedly over our Islands, France and Central Europe. Morning readings highest (1) 68° at Lisbon, 64° at Algiers, 57° to 50° over Central England, 57° at Nairn, 56° to 50° over southeastern Europe; 68° to 60° over Finland and the north of Russia. Lowest (1) 43° at Sumburgh Head, 45° at Skudesnaes, 47° at Bodö (2) 45° to 42° at several of the German and Austrian stations, 41° at Belfast, 38° at Munich. Rising later to between 60° and 65° in many parts of our Islands, to 66° at Paris, and 70° at Perpignan. Touching 78° at Haparanda.

Wind moderate from the S^ad on our western and northern coasts, nearly calm over the greater part of England, NE. to NW. over most of Continental Europe, SE. over Russia. Becoming NE. over the Channel and south of England later.

Barometer highest 30·5 in: and more over Norway and reading 30·3 in: in a high pressure system covering the whole of Scandinavia, the British Islands, the Netherlands, and all but the southern parts of France. Lowest below 29·8 in: in a large low pressure system covering southeastern Europe, and below 29·9 in: in a small disturbance near Lyons; below 30·0 in: on the southwest of Spain. Beginning to fall later over France and the southeast of England, rising in the north and west.

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, 17th May, 1897.

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 ...	30·26	57	SW	0	0	30·22	-·18	57	52	-10	N	2	c	*	0	*	75	50	-
	Hernösand ...	30·41	52	SW	0	b	30·36	-·07	55	46	0	NW	4	b	*	b	*	73	48	-
	Stockholm ...	30·40	55	N	2	0	30·37	-·02	57	51	+2	NNE	2	b	*	0	*	61	46	-
	Wisby	30·34	49	E	4	b	30·32	+·02	44	43	+1	NNE	4	f	*	b	*	57	37	-
	Karlstad ...	30·40	60	SW	0	b	30·40	-·05	50	?	-10	NNE	2	b	*	b	*	*	*	-
	Bodö	30·58	44	N	1	b	30·49	-·13	50	45	+6	SW	0	b	0	b	*	50	41	0·04
	Christiansund ...	30·56	54	NE	1	b	30·42	-·23	50	47	+1	ESE	1	b	2	b	*	55	46	-
	Skudesnaes ...	30·45	54	NNW	4	b	30·45	-·12	58	47	+9	ESE	1	b	1	b	*	?	41	*
	Færder (Christiania Fjord)	30·40	62	NNW	2	b	30·43	-·06	52	46	+1	NNE	4	b	3	b	*	63	51	-
	Skagen (The Scaw)	30·36	55	NE	1	b	30·36	-·07	53	50	+4	ENE	2	b	0	b	*	61	46	-
	Fanö	30·22	61	ENE	1	b	30·22	-·10	59	57	+5	ENE	3	b	*	b	*	79	54	-
British Islands.	Sumburgh Head	30·49	55	SW	1	b	30·46	-·04	52	49	+3	WNW	1	b	3	b	*	56	41	-
	Stornoway ...	30·44	62	W	3	b	30·50	+·05	51	51	+3	N	2	o	2	b	11·5	62	39	-
	Wick	30·50	56	SE	2	b	30·48	-·01	54	52	0	N	2	b	1	b	*	59	39	-
	Nairn	30·43	58	E	1	b	30·47	-·01	54	53	+1	SW	0	b	0	b	*	67	38	-
	Aberdeen ...	30·50	54	SE	1	b	30·45	-·05	58	52	+1	NE	2	b	1	b.bw	13·3	59	39	-
	Leith	30·47	53	ENE	2	b	30·43	-·08	56	48	+1	NE	1	bc	*	b	*	60	35	-
	Shields	30·47	45	ENE	2	f	30·38	-·12	49	46	-1	N	3	b	2	f	*	55	39	-
	Spurn Head ...	30·36	49	N	5	b	30·26	-·21	49	48	+1	N	5	b	5	b	*	52	43	-
	York	30·43	58	NNE	3	b	30·32	-·17	55	51	0	N	3	b	*	b	13·4	62	38	-
	Loughborough ...	30·37	59	NE	4	bc	30·27	-·21	53	46	+5	NNE	3	bcm	*	bcv.qm	*	63	42	-
	Ardrossan ...	30·42	64	SW	0	cm	30·40	-·09	58	54	+1	NNE	2	bm	1	cm	*	66	47	-
	Malin Head ...	30·44	56	W	3	bm	30·44	+·01	51	50	-4	N	1		1	b.bm	*	58	46	-
	Belmullet ...	30·45	59	NNE	1	b	30·43	·00	56	50	+1	NNE	3	b	*	b	*	65	46	-
	Donaghadee ...	30·42	59	NNW	3	b	30·41	-·07	52	49	+2	NNW	3	b	1	b	*	61	46	-
	Liverpool (Bidston)	30·37	63	ENE	3	b	30·31	-·17	56	44	0	NE	2	b	2	o.b	*	66	43	-
	Holyhead ...	30·38	52	N	3	c	30·33	-·12	51	48	-5	NNE	3	cm	2	cm	*	62	46	-
	Parsonstown ...	30·38	64	SE	1	b	30·36	-·09	55	47	+3	N	1	bc	*	b	10·5	67	43	-
	Valencia ...	30·37	59	NW	2	bm	30·30	-·08	61	50	+1	NE	3	bm	3	bm	4·0	66	50	-
	Roche's Point ...	30·38	60	WNW	1	b	30·32	-·11	57	54	0	E	2	bc	2	b	*	61	48	-
	Pembroke (St. Ann's Hd.)	30·35	58	NE	3	b	†30·30	-·10	58	54	+4	E	4	b	3	b	13·2	62	51	-
	Scilly	30·24	57	NE	2	b	†30·13	-·20	55	53	+1	NE	5	c	2	b	13·3	58	49	-
	Prawle Point ...	30·28	59	NE	4	c	30·12	-·24	54	50	+3	NE	5	c	4	c.o	*	61	49	-
	Jersey (St. Aubin's)	30·16	60	NNE	3	bcm	30·03	-·29	52	51	0	NE	4	opm	3	bcm	*	62	49	0·24
	Hurst Castle ...	30·22	61	NE	5	o	30·09	-·28	56	53	+3	NE	4	bc	3	bc.o	*	61	50	-
	Dungeness ...	30·16	53	NE	6	c qrs	30·07	-·26	52	51	+1	NNE	5	o	4	c qrs. thr	*	59	50	0·10
	North Foreland	30·21	51	N	5	o	30·11	-·25	52	50	+3	NE	5	c	5	bc. thr	*	52	47	0·24
	London (Brixton) ...	30·26	61	ENE	2	o	30·14	-·26	56	50	+4	ENE	3	bc	*	bc.o[illegible].c	9.6	67	48	0·01
	Oxford	30·30	53	NNE	3	b	30·18	-·25	53	47	+5	NE	3	bc	*	b	*	63	43	-
	Cambridge ...	30·32	56	NNE	4	o	30·18	-·26	54	50	+4	N	3	o	*	b.o	11·5	63	42	-
	Yarmouth ...	30·27	53	N	4	b	30·14	-·27	52	49	+2	N	5	b	4	b	*	54	47	-
Germany & Holland.	Cuxhaven ...	30·14	61	NE	3	b	30·12	-·11	58	56	+6	E	3	c	*	b	*	66	52	-
	Berlin	30·06	46	NNE	4	b	30·04	-·04	61	57	+9	NNE	4	b	*	b	*	70	52	-
	Wiesbaden ...	*	*	*	*	*	29·93	-·15	65	59	+9	NE	4	bc	*	*	*	66	54	0·04
	Munich	30·02	47	W	2	o	29·96	?	49	49	-2	E	3	o	*	o	*	51	41	0·20
	The Helder ...	30·21	53	NNE	5	b	30·09	-·21	53	51	+3	NE	4	b	2	b	*	55	50	-
Belgium.	Brussels ...	*	*	*	*	*	30·02		57	57		NE	3	f	*	c	*	62	51	0·39
	Cape Gris Nez ...	30·12	50	NE	6	c	30·03	-·25	52	52	+2	E	5	m	5	c	*	55	46	-
	Paris	30·01	64	NNE	3	o	29·95	-·24	59	56	+11	NNE	3	b	*	o	*	66	48	-
	Brest	30·15	56	NE	3	b	30·01	-·27	50	48	+1	NE	4	c	2	b	*	61	46	-
	Lorient	30·09	54	NE	4	bc	29·97	-·27	53	52	+5	NNE	4	c	2	bc	*	63	46	-
France &	Rochefort ...	29·99	59	NE	4	o	29·87	-·24	55	54	+5	NNE	4	r	*	o	*	66	50	-
	Belfort	29·94	52	NE	6	o	29·86	-·18	50	49	+5	E	3	m	*	o	*	57	45	-
	Lyons ...	29·90	57	NNW	1	c	29·86	-·16	54	50	+5	ESE	1	c	*	c	*	60	48	-
	Nice	29·79	60	SW	0	b	29·80	-·01	58	53	-2	SW	0	b	0	b	*	68	48	-
	Perpignan ...	29·86	67	SW	0	bc	29·87	-·22	59	54	0	SW	1	o	*	bc	*	75	52	-
	Biarritz ...	29·99	59	WNW	3	o	29·91	-·12	57	54	+6	N	3	o	2	o	*	64	51	-
Peninsula.	Corunna ...																*			
	Lisbon	29·86	?	SW	3	?	29·88	-·03	63	59	-2	S	2	c	*	?	*	70	57	-
	Azores (P. Delgada)	29·64	59	W	4	o	29·59	-·17	61	58	+4	NNW	1	bc	2	o	*	61	54	0·32

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 13.7 hrs;

WEATHER CHARTS

FOR Monday 17th May, 1897.

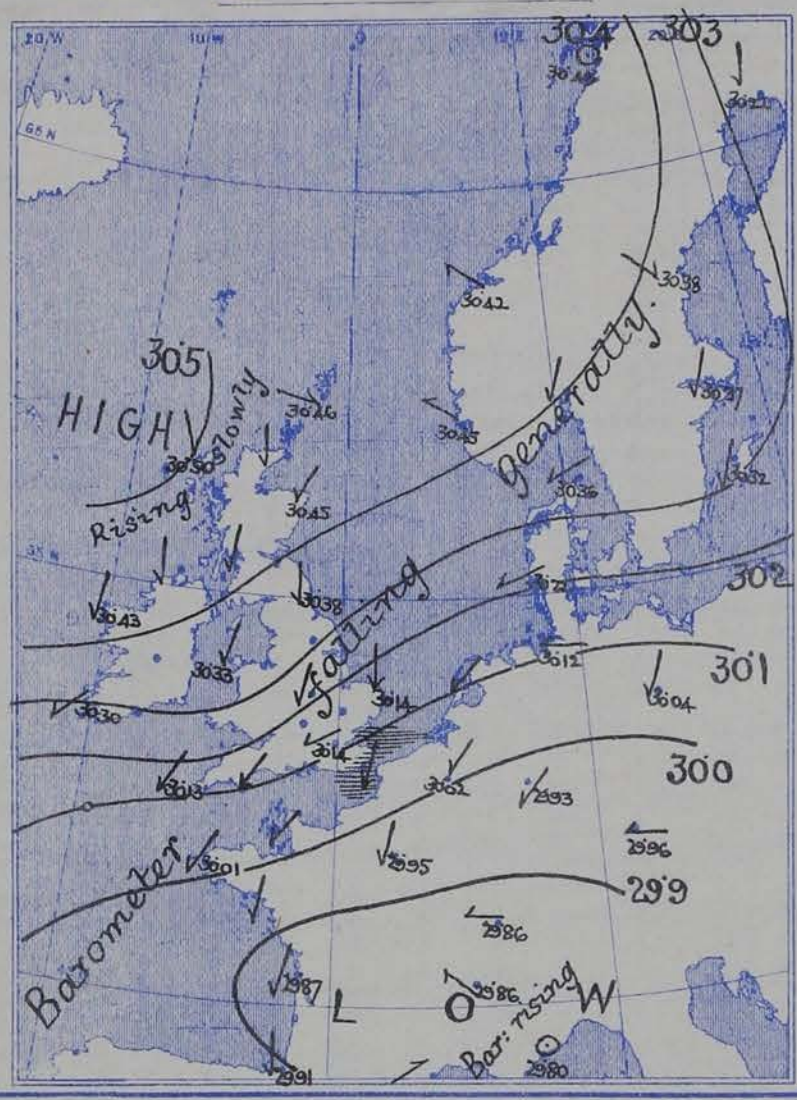
BAROMETER, WIND AND SEA.

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*

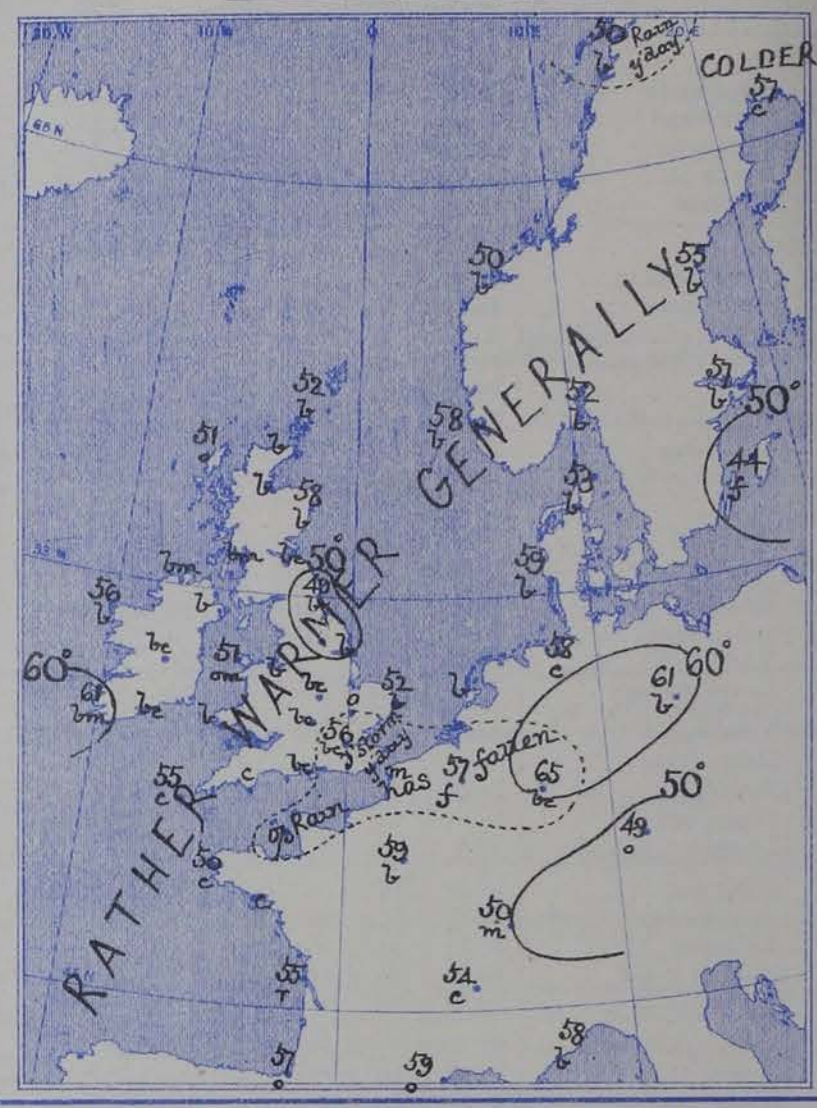


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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, 30·50 ins. at Stornoway; 30·4 ins. and upwards in an anticyclone embracing the whole of Norway, the northern parts of the North Sea, Scotland and the north of Ireland.
Lowest, 29·9 ins. and less, in a large shallow depression lying over the central and southern parts of France.
Gradients moderate over the southern parts of our Islands and the North Sea, but slight elsewhere.
Barometer falling generally, but rising on our extreme northwest coasts.

TEMPERATURE

Highest, 65° at Wiesbaden (63° at Lisbon) 61° at Berlin, 59° at Faro and Paris, and 58° at Rudemas, Aberdeen, Androssan, and Nice.
Lowest, 50° at Bodo, Christiansund, and Karlstad, and 51° at Stornoway, Malin Hd and Holyhead.
During yesterday the thermometer rose to 65° and upwards in many parts of the United Kingdom, and to 67° at Kew, Greenwich and in London.

WIND

N^{3} or NE^{3} over Western Europe generally, and fresh in force on the more exposed parts of our south and east coasts.
Light from the End in the west of Norway; calm in the extreme south of France.

WEATHER

Fair or fine over Western Europe as a whole, but cloudy at some of our southern and the French stations, with passing showers at Jersey and steady rain at Rochefort.
Rain fell yesterday at several stations in the Channel and southeast of England, and thunderstorms occurred at Dungeness and the North Foreland.

SEA

Rather rough on the more exposed parts of our east and southeast coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system over France is inclined to spread northwards, but there are no indications of any important change in the weather.

FORECASTS

For the 24 hours ending at NOON on 18th MAY, 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N^{2} winds, light; fine generally.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	N^{2} and NE^{2} winds, moderate; fair generally, but local showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	NE^{2} winds, light; fine generally
7 ENGLAND N.W.	
8 ENGLAND S.W.	NE^{3} winds, fresh; fair generally, but local showers.
9 IRELAND NORTH	Same as Nos 0 to 2
10 IRELAND SOUTH	Same as Nos 6 and 7.
WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·60	60	51	NNW	4	6	1
Sumburgh Head							
Stornoway	30·45	60	56	SSW	4	6	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·45	56	52	E	3	6	1
Belmullet	30·45	64	57	NNW	3	6	*
Holyhead							
Valencia							
Scilly							
Jersey	30·24	59	51	NNE	4	6c	3
Hurst Castle ...							
Dungeness ...	30·22	58	57	NNE	6	c	5
North Foreland	30·27	52	48	N	5	6c	5
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·04	65	60	NE	4	o	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 9TH TO THE 15TH MAY, 1897.

Last week opened with a spell of NW winds, which subsequently veered to N. and NE, and at times blew hard on our northeastern, northeastern, and Eastern coasts. Showers of sleet, graupel, and cold rain fell except in the southwest and south. Temperature fell – especially during the night time, when very sharp frosts were experienced on the ground over our inland districts – the sharpest of all being those of Thursday and Friday mornings, when the thermometer on the grass showed readings as low as 24° to 25° at several stations and even in the extreme south of Hampshire and Kent, and at Jersey hoar frost was reported, while the day maximum in most places did not touch 50°. On Friday a great change occurred. The high pressure system had moved to the southern from the northern parts of our Islands, and the wind backed to the W. The night frosts ceased, and temperature rose considerably during the day time – the maximum being higher than that of the previous day by 9°; Saturday also was fine – none of our own stations reporting any rain, while over England the thermometer rose to between 60° and 65° in the screen.

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 18th May, 1897.

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 ...	30·09	54	NW	2	b	30·10	— ·12	56	50	— 1	N	4	b	*	b	*	75	45	—
	Hernösand ...	30·23	50	Z	0	b	30·26	— ·12	56	48	+ 1	N	2	b	*	b	*	68	45	—
	Stockholm ...	30·29	55	Z	0	b	30·21	— ·16	59	50	+ 2	ENE	2	b	*	b	*	64	46	—
	Wisby	30·25	49	ESE	4	b	30·18	— ·14	44	42	0	NE	4	b	*	b	*	55	37	—
	Karlstad ...	30·24	60	Z	0	b	30·22	— ·18	57	51	+ 7	NE	2	b	*	b	*	*	*	—
	Bodö	30·30	50	Z	0	0	30·37	— ·12	43	41	— 7	WSW	2	0	?	0	*	?	?	—
	Christiansund ...	30·47	46	NE	3	f	30·46	+ ·04	44	42	— 6	NE	3	f	2	f	*	54	44	—
	Skudesnaes ...	30·30	53	NNW	6	m	30·29	— ·16	44	44	— 14	NNW	4	f	2	m	*	63	41	*
	Færder (Christiania Fjord)	30·28	59	WSW	1	b	30·22	— ·21	53	48	+ 1	N	2	b	1	b	*	64	52	—
	Skagen (The Scaw)	30·26	58	NE	1	b	30·21	— ·15	56	52	+ 3	NE	1	b	0	b	*	64	50	—
	Fanö	30·17	64	NE	2	b	30·15	— ·07	57	53	— 2	NE	2	b	*	b	*	79	52	—
	Sumburgh Head	30·47	50	NE	1	c	30·49	+ ·03	47	43	— 5	N	2	c	3	bc,c	*	54	40	—
	Stornoway ...	30·48	52	ENE	3	c	30·43	— ·07	47	46	— 4	E	4	c	4	bc,c	5·0	56	43	—
	Wick	30·51	51	N	1	b	30·31	+ ·03	47	45	— 7	NE	2	b	1	b	*	59	40	—
	Nairn	30·45	55	E	1	b	30·47	·00	48	47	— 6	E	1	c	1	b	*	59	45	—
	Aberdeen ...	30·44	56	NNE	2	b	30·47	+ ·02	49	44	— 9	NNE	3	bc	3	b,o	15·0	60	44	—
	Leith	30·39	54	E	3	b	30·44	+ ·01	46	45	— 10	ENE	3	o	*	b	*	60	44	—
	Shields	30·33	49	N	4	b	30·40	+ ·02	44	43	— 5	N	4	o	4	b	*	53	42	—
	Spurn Head ...	30·15	48	N	6	c	30·19	— ·07	49	48	0	N	6	bc	5	o,c	*	52	46	—
	York	30·25	62	N	4	b	30·30	— ·02	52	49	— 1	N	4	b	*	b	12·9	68	46	—
	Loughborough ...	30·17	61	NE	5	c	30·22	— ·05	55	50	+ 2	N	4	cmq	*	cq,o,c,b	*	67	49	—
British Islands.	Ardrossan ...	30·34	53	NNE	3	bm	30·37	— ·03	52	51	— 6	NE	5	bm	2	bm	*	66	44	—
	Malin Head ...	30·37	53	NNE	2	bm	30·35	— ·05	52	49	+ 1	E	3	bm	1	bm	*	55	45	—
	Belmullet ...	30·36	54	NE	5	b	30·31	— ·12	54	50	— 2	ENE	2	b	*	b	*	57	46	—
	Donaghadee ...	30·31	61	NNW	3	b	30·35	— ·06	52	50	0	NNW	4	b	2	b	*	63	45	—
	Liverpool (Bidston)	30·20	66	NE	4	b	30·23	— ·08	60	51	+ 4	NE	1	b	?	bm	*	69	48	—
	Holyhead ...	30·23	54	NE	3	bm	30·24	— ·09	55	50	+ 4	NE	4	b	3	b,bm	*	55	48	—
	Parsonstown ...	30·25	65	E	2	bc	30·25	— ·11	57	56	+ 2	E	1	b	*	bc	12·2	68	46	—
	Valencia ...	30·20	65	NE	4	cm	30·14	— ·16	63	56	+ 2	ENE	1	bm	2	bcm,cm	12·1	68	52	—
	Roche's Point ...	30·20	62	ESE	3	bc	30·16	— ·16	62	56	+ 5	E	4	b	3	bc	*	68	52	—
	Pembroke (St. Ann's Hd.)	?30·10	62	NE	4	b	?30·11	— ·19	63	59	+ 5	E	4	b	3	b	11·2	62	55	—
	Scilly	30·06	55	NNE	5	c	30·02	— ·11	54	52	— 1	NE	3	c	2	o,c	7·3	56	49	—
	Prawle Point ...	30·07	65	ENE	3	c	30·03	— ·09	59	56	+ 3	NE	5	ct	4	c,p	*	66	53	0·01
	Jersey (St. Aubin's)	29·96	63	NE	4	bc	29·98	— ·05	56	55	+ 4	NE	4	cm	3	cm,bc	*	64	51	0·02
	Hurst Castle ...	30·00	67	NNE	4	bcm	30·02	— ·07	58	56	+ 2	NE	5	bcm	3	bcm,r	*	69	53	—
	Dungeness ...	29·98	59	NNE	4	o	30·02	— ·05	58	55	+ 6	NE	4	b	3	bc,o,r	*	62	51	—
Germany & Holland.	North Foreland	30·03	52	NE	4	bc	30·07	— ·04	54	52	+ 2	NE	4	b	4	bc	*	55	50	—
	London (Brixton) ...	30·04	65	NE	3	b	30·09	— ·05	60	55	+ 4	ENE	3	b	*	bc,b,o	8·3	75	51	—
	Oxford	30·07	57	NNE	3	b	30·14	— ·04	56	52	+ 3	NE	3	b	*	b	*	68	51	—
	Cambridge ...	30·11	58	N	4	bq	30·15	— ·03	58	54	+ 4	N	2	b	*	bq	11·5	69	48	—
	Yarmouth ...	30·08	56	N	4	b	30·11	— ·03	55	52	+ 3	N	4	b	4	b	*	57	50	—
	Cuxhaven ...	30·06	61	NE	3	b	30·06	— ·06	60	56	+ 2	NE	3	bc	*	b	*	66	54	—
	Berlin	29·96	65	Z	0	c	29·97	— ·07	59	55	— 2	NNE	2	c	*	c	*	79	54	0·12
	Wiesbaden ...	*	*	*	*	*	29·90	— ·03	63	59	— 2	NE	2	c	*	*	*	79	59	0·08
	Munich	29·88	54	NE	2	c	29·93	— ·03	50	49	+ 1	Z	0	f	*	c	*	64	45	0·04
	The Helder ...	30·05	58	NE	3	b	30·06	— ·03	57	53	+ 4	NE	4	f,b	2	b	*	61	54	—
	Brussels ...	*	*	*	*	*	29·97	— ·05	61	59	+ 4	NE	3	c	*	c	*	76	55	0·04
	Cape Gris Nez ...	29·95	54	E	4	m	30·00	— ·03	53	53	+ 1	?	?	c	3	m	*	57	48	—
	Paris	29·86	65	NNE	2	b	29·91	— ·04	63	58	+ 4	N	2	m	*	b	*	75	52	0·12
	Brest	29·97	58	NE	4	bc	29·91	— ·10	56	54	+ 6	NE	3	c	3	bc	*	63	46	—
	Lorient	29·93	59	NNE	4	bc	29·91	— ·06	56	55	+ 3	NE	2	m	2	bc	*	64	53	0·08
France & Belgium.	Rochefort ...	29·88	59	NW	2	c	29·92	+ ·05	55	55	0	S	2	f	*	o,c	*	68	52	—
	Belfort	29·79	63	SSW	2	c	29·84	— ·02	55	55	+ 5	Z	0	m	*	c	*	67	49	0·12
	Lyons	29·84	64	NNE	1	c	29·86	·00	60	56	+ 6	N	1	c	*	c,r	*	70	53	—
	Nice	29·85	58	S	2	b	29·86	+ ·06	56	53	— 2	Z	0	bc	0	b	*	64	50	—
	Perpignan ...	29·90	57	W	1	r	29·88	+ ·01	63	54	+ 4	NW	3	b	*	r	*	68	54	—
	Biarritz ...	29·91	58	WSW	2	o	29·94	+ ·03	57	54	0	Z	0	o	2	o	*	64	54	—
Penin-sula.	Corunna ...																*			
	Lisbon	29·99	61	WNW	3	b	29·95	+ ·07	64	59	+ 1	WNW	2	b	*	b	*	70	57	—
	Azores (P. Delgada)	29·61	59	NE	5	c	29·68	+ ·09	60	58	— 1	NE	4	r	2	c	*	63	55	0·28

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 14.5 hrs;

WEATHER CHARTS

FOR TUESDAY, 18TH MAY, 1897.

BAROMETER, WIND AND SEA.

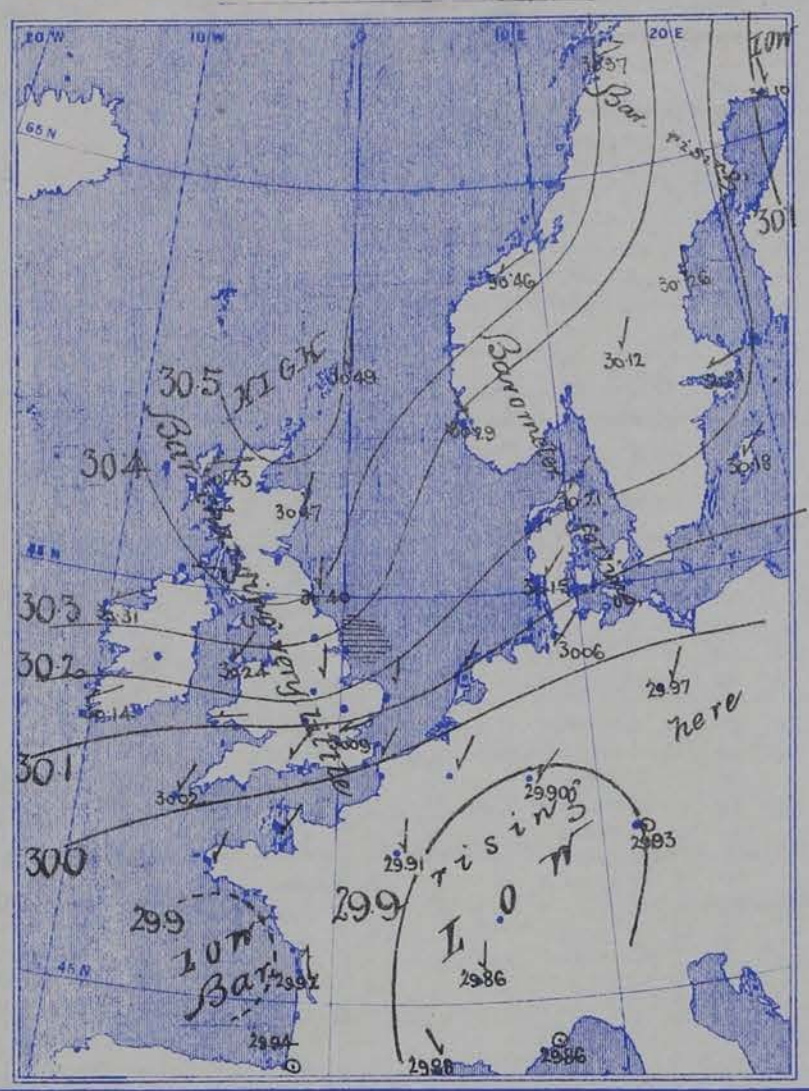
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

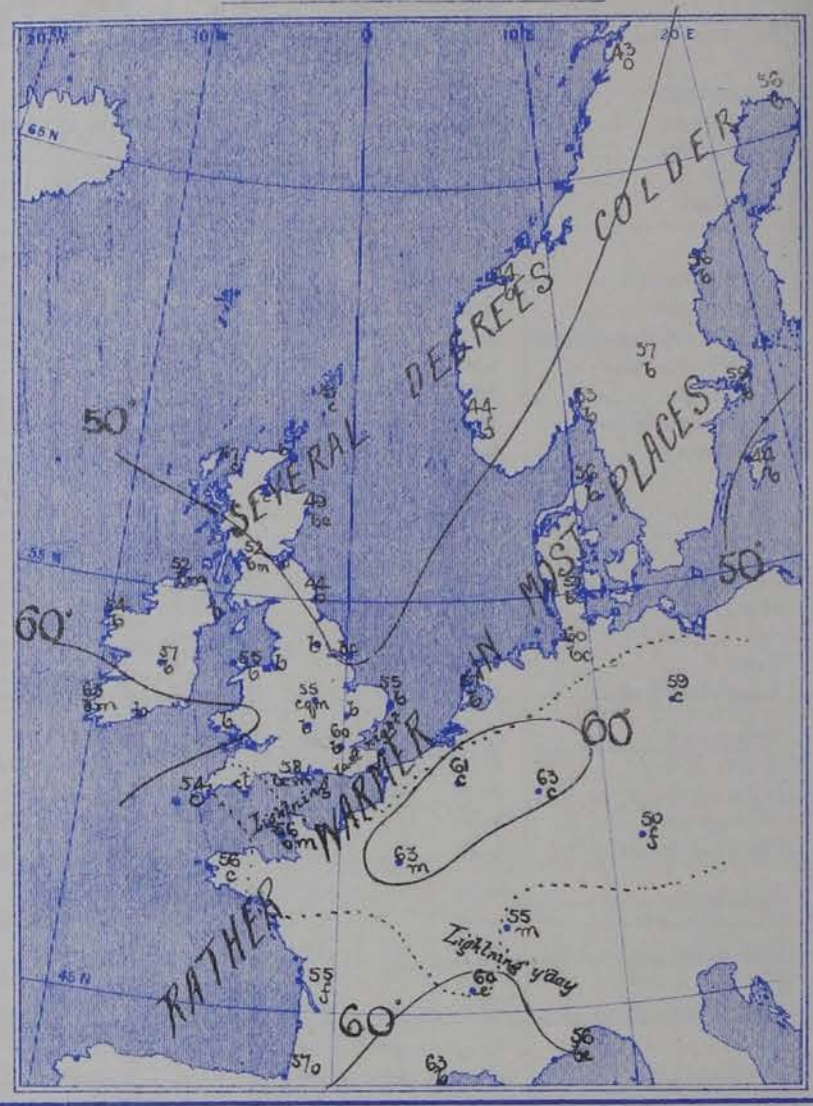


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 30·51 ins. at Wick; 30·4 ins. and upwards over the whole of Scotland, the adjacent parts of the North Sea and the west of Norway.
Lowest 29·9 ins. and less in a large shallow depression over the E.rn and central parts of France and the neighbouring parts of Germany.
Gradients slight generally, but moderate over the S.rn parts of the North Sea. Barometer changing very little in our Islands, rising in France and Germany; falling in Denmark & N. of Scandinavia

TEMPERATURE

Highest 64° at Lisbon, 63° at Valencia (Ireland), Pembroke, Paris, Wiesbaden and Perpignan, 62° at Roche's Point, and 61° at Brussels.
Lowest 43° at Bodö, 44° at Wisby, Christiansund, Skudesnaes and Shields, 46° at Leith, and 47° at Flamborough Head, Stornoway and Wick.
During yesterday the thermometer rose to 68° or 69° at several of our central and S.rn stations, and to 75° in London; on some parts of our N.E. and N.W. coasts, however, it did not exceed 55°.

WIND

N. ¾ W. or NE. ¾ over western Europe as a whole, but E. ½ S. in Ireland; fresh in force on several parts of our south and southeast coasts.
Calm or variable over the southern parts of France and Germany.

WEATHER

Fine over the greater part of W.rn Europe, but cloudy and misty at several of the French and German stations as well as in the western parts of the Channel; thunder was reported at Prawle Point.
A little rain fell yesterday at some of the Channel, French and German stations, and lightning was seen at night at Hurst Castle, Dungeness and Lyons. A solar halo was reported yesterday at Oxford.

SEA

Rather rough at Spurn Hd., and moderate on several other parts of our eastern and southern coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any very decided change in the weather, but there is some tendency for the low pressure system over France to spread N.wds., and thunder showers are therefore not improbable at some of our S.rn stations.

FORECASTS

For the 24 hours ending at NOON on 19TH MAY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. ¾ and NE. ¾ winds, light or moderate; fine generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. ¾ and NE. ¾ winds, fresh; fine generally.
3	ENGLAND EAST	NE. ¾ winds, moderate or fresh; fine at first, less settled later, with thunder in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE. ¾ winds, fresh, cloudy, thunder showers locally.
9	IRELAND NORTH	Same as Nos. 0 and 1.
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 ...	30·37	62	51	NNW	4	m	1
Sumburgh Head	30·47	53	50	N	3	bc	3
Stornoway	30·49	56	55	NE	3	bc	3
Aberdeen	30·44	55	51	NE	3	b	4
Shields	30·35	52	49	N	4	b	3
Ardrossan	30·36	66	61	NNE	4	b	2
Malin Head ...	30·39	54	53	N	2	b	1
Belmullet	30·40	55	52	ENE	4	b	*
Holyhead	30·27	53	50	NNE	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·23	69	57	NE	5	bcm	4
Scilly	30·10	56	49	NNE	5	o	2
Jersey	30·01	59	56	ENE	4	om	3
Hurst Castle ...	30·15	65	61	ENE	3	bcm	2
Dungeness ...	30·01	61	58	NNE	4	bc	3
North Foreland	30·07	54	52	NE	5	bc	5
London (Westminster)	30·07	71	62	E	2	bc	*
Yarmouth ...	30·11	57	53	N	4	b	4
Rochefort ...	29·87	65	62	NE	3	o	*

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

Weather in morning fair or fine over W^m. and N^w. Europe as a whole, but cloudy at several of the Channel and W^n. French stations, with passing showers at Prawle Pt. and steady rain at Rochefort. Dull over the greater part of S. Germany, Austria, Italy and the S. of Russia, with rain at Cracow and Brundisi. A little rain falling later at some of the Channel, French and German stations; lightning seen at night at Hurst Castle, Dungeness and Lyons.

Temperature risen in most countries, but fallen in Russia. Morning readings highest (1) 70° at Oporto, 68° at Palma, and 65° at Algiers and La Calle; (2) 69° at Memel, 67° at Kharkov, and 66° at Riga; above 60° in many parts of E^n. and central Europe. Lowest (1) 49° at Shields and Spurn Head, and 51° at Malin Hd. and Holyhead; (2) 49° at Ulleaborg, and 50° at Bodö and Christiansund. Rising during day well above 65° at several of our own central and S^n. stations, as well as in France, and touching 75° in London and Paris; reaching 76° at Brussels, and 79° at Berlin.

Wind NE. ¾ (N. to E) over nearly the whole of W^n., N^w. and central Europe; light or moderate in force generally, but fresh inshore on the E^n. and S. coasts of England. Variable over the Spanish peninsula, the Mediterranean and the extreme south of France; cyclonic circulation of light breezes reported over Italy. No important change occurring over W^n. Europe during day.

Barometer highest 30·50 ins. at Stornoway; 30·4 ins. and upwards in an anticyclone embracing the whole of Scotland, the N. of Ireland, the N^w. parts of the North Sea and the greater part of Scandinavia. Lowest 29.8 ins. and less in a shallow and elongated depression lying over the Gulf of Genoa and the central parts of Italy and the Adriatic. New depression forming later over central France, barometer falling in most parts of W^n. Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 May, 1897.

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 ...	30·20	51	N	2	b	30·32	+ ·32	50	42	− 6	N	2	b	*	b	*	64	46	—
	Hernösand ...	30·21	58	W	2	c	30·34	+ ·08	47	41	− 9	N	4	o	*	c	*	66	41	0·04
	Stockholm ...	30·18	55	NNE	2	b	30·19	− ·02	55	48	− 4	N	6	b	*	b	*	70	43	—
	Wisby	30·13	46	E	4	b	30·12	− ·06	45	43	+ 1	NNE	4	b	*	b	*	59	36	—
	Karlstad ...	30·12	64	SSE	2	bc	30·25	+ ·03	51	47	− 6	NNE	4	c	*	r.bc	*	*	*	—
	Bodö	30·45	42	NW	2	c	30·49	+ ·12	41	38	− 2	SW	4	c	2	c	*	45	37	—
	Christiansund ...	30·49	46	NE	2	b	30·50	+ ·04	46	42	+ 2	ENE	4	c	3	b	*	48	43	—
	Skudesnaes ...	30·22	46	N	8	b	30·29	·00	48	45	+ 4	Z	0	b	1	b	*	53	41	*
	Færder (Christiania Fjord)	30·12	56	W	1	b	30·28	+ ·06	50	45	− 3	N	6	b	3	b	*	68	50	—
	Skagen (The Scaw)	30·13	54	N	1	b	30·16	− ·05	53	50	− 3	NE	3	b	0	b	*	66	52	—
	Fanö	30·11	52	NNW	2	b	30·08	− ·07	53	52	− 4	N	2	b	*	b	*	63	46	—
British Islands	Sumburgh Head	30·46	46	NE	2	c	30·40	− ·09	45	42	− 2	NE	3	o	4	c	*	50	40	—
	Stornoway ...	30·42	50	E	4	b	30·39	− ·14	48	47	+ 1	E	4	b	4	b	12·7	52	40	—
	Wick	30·50	51	N	1	b	30·41	− ·10	44	43	− 3	NE	1	o	0	b	*	52	42	—
	Nairn	30·43	49	E	1	b	30·38	− ·09	46	43	− 2	E	1	o	1	b	*	56	33	—
	Aberdeen ...	30·45	47	NE	3	b	30·39	− ·08	47	42	− 2	NE	3	c	3	bq, b	13·1	52	43	—
	Leith	30·41	48	E	3	b	30·38	− ·06	46	42	0	E	1	o	*	b	*	54	43	—
	Shields	30·39	45	N	3	o	30·35	− ·05	43	41	− 1	N	3	o	4	c	*	47	41	—
	Spurn Head ...	30·24	45	N	5	o	30·25	+ ·06	45	44	− 4	N	5	c	5	o	*	50	43	—
	York	30·32	52	N	2	b	30·31	+ ·01	47	43	− 7	N	3	b	*	b	11·4	55	38	—
	Loughborough ...	30·23	56	NE	5	b	30·27	+ ·05	47	43	− 8	NNE	4	bcq	*	bcq, b.o	*	63	42	—
	Ardrossan ...	30·32	38	NE	5	bm	30·32	− ·05	49	47	− 3	NE	4	bm	2	bm	*	44	40	—
	Malin Head ...	30·30	52	E	3	bm	30·29	− ·06	50	47	− 2	ESE	4	bm		bm	*	55	42	—
	Belmullet ...	30·23	63	ENE	3	b	30·22	− ·09	58	50	+ 4	ESE	3	b	*	b	*	65	50	—
	Donaghadee ...	30·30	61	NW	3	b	30·32	− ·03	49	44	− 3	ENE	4	b	2	b	*	61	43	—
	Liverpool (Bidston)	30·22	58	ENE	5	bm	30·25	+ ·02	51	44	− 9	ENE	4	b	?	bm	*	65	42	—
	Holyhead ...	30·21	58	NE	5	bm	30·22	− ·02	51	45	− 4	NE	5	b	4	b, bm	*	62	45	—
	Parsonstown ...	30·18	65	Z	0	b	30·21	− ·04	55	49	− 2	E	1	b	*	b	13·0	68	47	—
	Valencia ...	30·10	61	Z	0	bcm	30·11	− ·03	54	52	+ 1	E	4	bm	3	bcm	11·8	74	56	—
	Roche's Point ...	30·11	68	E	4	b	30·14	− ·02	59	52	− 3	E	5	b	4	b	*	69	52	—
	Pembroke (St. Ann's Rd.)	30·08	68	W	1	b	30·19	+ ·08	55	51	− 8	E	2	b	2	b	14·0	68	49	—
	Scilly	30·02	60	ENE	2	bc	30·04	+ ·02	57	54	+ 3	E	4	c	2	b, ep, bc	7·6	63	50	0·01
	Prawle Point ...	30·02	62	NE	4	c	30·07	+ ·04	49	48	− 8	NE	6	bc	5	c	*	68	48	—
	Jersey (St. Aubin's)	29·97	65	NE	5	b	30·02	+ ·04	52	51	− 4	NE	5	opm	3	bm, p	*	69	51	0·02
	Hurst Castle ...	30·06	63	NE	4	b	30·09	+ ·07	51	50	− 7	NE	5	om	3	bc, b, p	*	71	48	0·01
	Dungeness ...	30·12	58	NNE	5	c	30·09	+ ·07	53	51	− 5	NNE	5	c	5	bc, c, bv	*	64	48	0·08
	North Foreland	30·07	52	NE	5	b	30·14	+ ·07	50	48	− 4	NE	5	o	4	b	*	56	46	—
	London (Kew) ...	30·12	61	NE	3	b	30·16	+ ·07	51	47	− 9	NE	3	c	*	bc, b, c	11·5	76	45	—
	Oxford	30·17	52	NE	4	b	30·19	+ ·05	49	45	− 7	NNE	3	c	*	b	*	69	43	—
	Cambridge ...	30·18	54	N	4	b	30·21	+ ·06	51	48	− 7	N	4	o	*	b	12·8	66	44	—
	Yarmouth ...	30·14	52	N	5	b	30·16	+ ·05	49	46	− 6	N	5	c	4	b	*	56	45	—
Germany & Holland	Cuxhaven ...	30·04	63	NE	3	b	30·04	− ·02	59	54	− 1	NNE	2	b	*	b	*	60	54	—
	Berlin	29·91	67	N	3	bc	29·94	− ·03	62	58	+ 3	E	3	bc	*	bc	*	75	52	—
	Wiesbaden ...	*	*	*	*	*	29·96	+ ·06	63	59	0	N	2	b	*	*	*	73	55	—
	Munich	29·92	59	E	2	c	29·97	+ ·04	55	53	+ 5	W	2	o	*	c	*	66	50	0·04
	The Helder ...	30·07	52	NNE	5	bc	30·10	+ ·04	51	48	− 6	NNE	3	b	2	bc	*	59	46	—
France & Belgium	Brussels ...	*	*	*	*	*	30·04	+ ·07	59	55	− 2	NE	3	b	*	b	*	73	53	—
	Cape Gris Nez ...	30·01	52	ENE	5	bc	30·05	+ ·05	51	50	− 2	ENE	6	m	6	bc	*	59	46	—
	Paris	29·88	62	NNE	2	b	29·97	+ ·06	61	59	− 2	NNE	2	f	*	b	*	77	55	0·63
	Brest	29·94	66	NE	1	b	29·96	+ ·05	55	53	− 1	ENE	1	bc	1	b	*	72	50	—
	Lorient	29·97	56	Z	0	m	29·95	+ ·04	55	54	− 1	ENE	2	bc	1	m	*	68	50	—
	Rochefort ...	29·92	61	NW	4	b	29·91	− ·01	56	56	+ 1	NW	3	f	*	b	*	72	54	—
	Belfort	29·80	66	ENE	3	c	29·92	+ ·08	59	56	+ 4	Z	0	m	*	c	*	71	51	—
	Lyons	29·84	64	NNW	2	c	29·91	+ ·05	61	58	+ 1	N	1	b	*	c	*	73	55	0·12
	Nice	29·87	58	SW	2	b	29·82	− ·04	63	56	+ 7	E	3	bc	0	b	*	63	50	—
	Perpignan ...	29·85	74	NW	2	b	29·90	+ ·02	66	59	+ 3	W	2	b	*	b	*	78	52	—
	Biarritz ...	29·92	61	N	3	b	29·93	− ·01	57	54	0	WSW	3	b	1	b	*	66	52	—
Peninsula	Corunna ...																*			
	Lisbon	29·94	62	WNW	3	b	29·89	− ·06	65	56	+ 1	SW	3	b	*	b	*	73	59	—
	Azores (P. Delgada)	29·71	58	NNE	4	r	29·69	+ ·01	59	57	− 1	NNE	5	r	3	r	*	64	57	0·32

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 13·0 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 19th MAY, 1897.

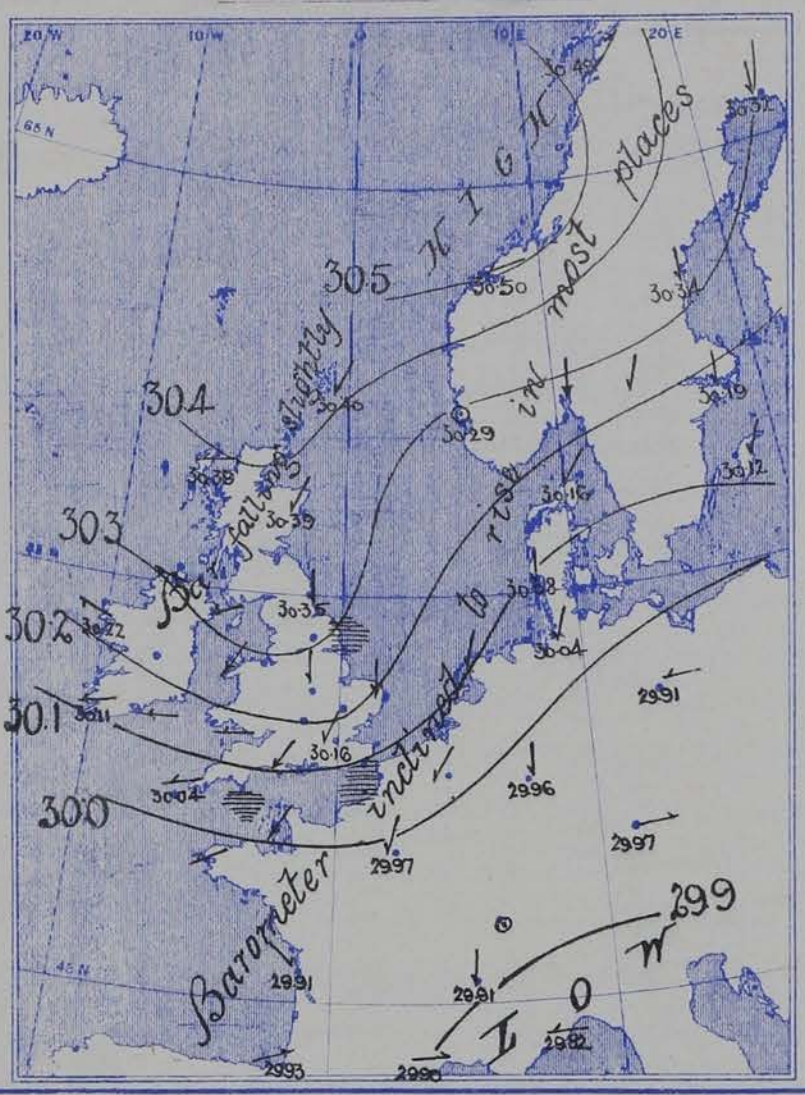
BAROMETER, WIND AND SEA.

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 ▓

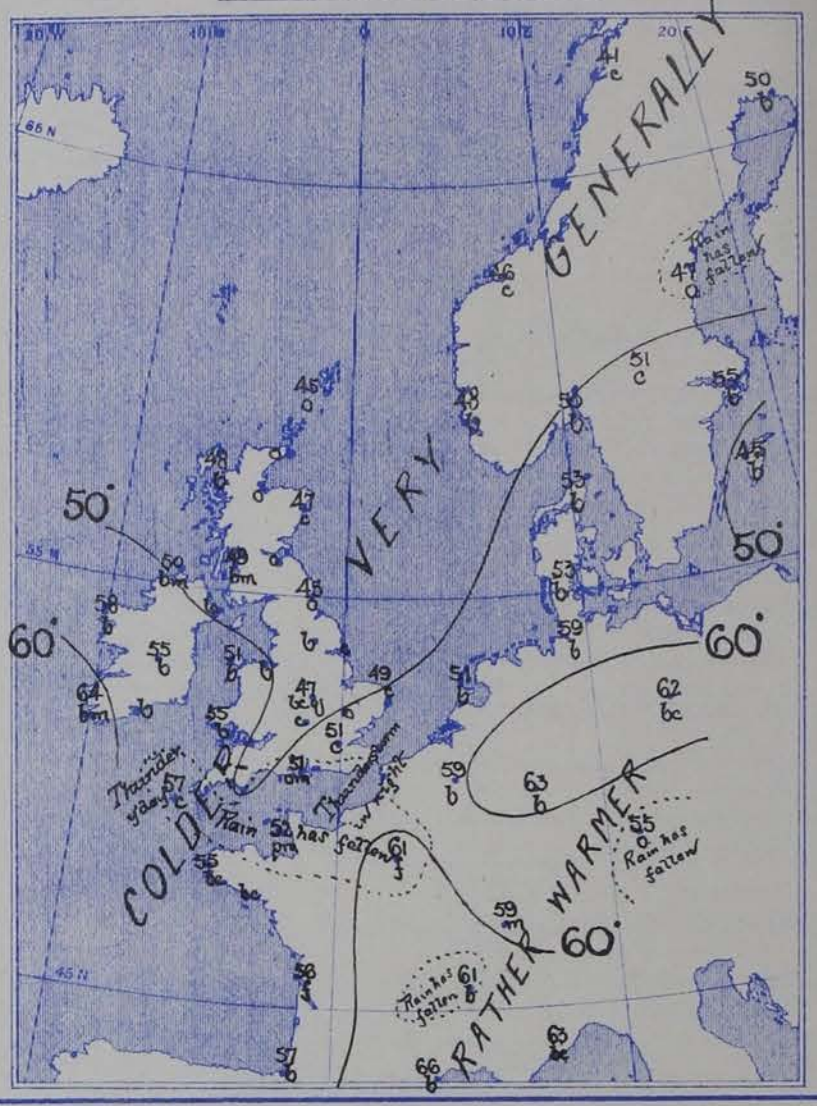


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 30.5 ins. and upwards in the central portion of an anticyclone lying off the W. of Norway.
Lowest 29.9 ins. and less in two shallow depressions, – one lying over the south of France, and the other off the Portuguese coasts.
Gradients slight generally. Barometer changing very little, but inclined to rise at all but our own northern stations.

TEMPERATURE

Highest (1) 66° at Perpignan, 65° at Lisbon, and 63° at Nice and Wiesbaden; (2) 64° at Valencia (Ireland), and 59° at Roche's Point.
Lowest 41° at Bodö, 43° at Shields, 44° at Wick, 45° at Wisley, and 46° at Christiansund, Nairn & Leith.
During yesterday the thermometer rose to 65° and upwards at many of our W^rn. and S^rn. stations to 74° at Valencia (Ireland) and to 76° in London; on our N^rn. coasts it did not exceed 55°, and at Shields it only rose to 47°.

WIND

Light to fresh from the NE^wd. or N^wd. over western Europe as a whole, but E^ly in Ireland and the southwest of England.
Light from the W^wd. in the southwest of France and from the SW^wd. at Lisbon; variable in the S. of France.

WEATHER

Fine over W^rn. Europe generally, but dull in the NE^rn. parts of Gt. Britain, as well as at some of the English Channel stations, with passing showers at Jersey. Fog was reported at Paris and Rochefort.
Showers have fallen at some of the Channel stations, and larger amounts of rain over central France. Thunder occurred at Bailly yesterday, and at Thunderstorm, with rain at Lungenoss early this morning.

SEA

Rough at Cape Gris Nez and rather rough on the more exposed parts of our own S. and E. coasts; moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 20TH MAY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^ly and NE^ly winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N^ly winds, moderate or fresh; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE^ly winds, moderate or fresh; fine generally.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 4 and 5.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E^ly and NE^ly winds, moderate; fine generally.
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	30·26	53	48	N	8	b	3
Sumburgh Head	30·46	49	45	NE	2	c	3
Stornoway	30·46	52	50	E	4	b	4
Aberdeen	30·46	49	45	NE	5	bq	5
Shields	30·40	46	44	N	4	o	4
Ardrossan	30·35	61	56	NE	5	bm	2
Malin Head ...	30·33	55	53	E	2	b	1
Belmullet	30·27	64	56	ENE	4	b	*
Holyhead	30·23	62	54	NE	5	b	4
Valencia	30·11	71	62	SSE	4	bcm	3
Scilly	30·02	60	57	NE	3	c	2
Jersey	29·99	67	63	ENE	5	b	3
Hurst Castle ...	30·03	66	61	ENE	4	bc	2
Dungeness ...	30·01	63	58	NE	5	bc	4
North Foreland	30·06	55	52	NE	5	b	5
London (Westminster)	30·08	74	62	NE	4	bc	*
Yarmouth ...	30·13	55	52	N	4	b	4
Rochefort ...	29·94	65	63	NW	2	b	*

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 cloudy and misty or foggy at several of the French and German stations, as well as in the W. parts of the English Channel. Cloudy or dull also in the south of Russia and many parts of Italy. Slight rain falling during day at some of the English Channel stations and larger quantities over central France; thunder occurring at Scilly and Prawle Point in morning and a thunderstorm at Dungeness in following night.

Temperature fallen several degrees over the N.W. parts of Gt Britain and the W. of Norway, and slightly in Germany and Italy; risen or changed irregularly elsewhere. Morning readings highest (1) 71° at Brest, 68° at Riga, and 67° at Kharkov; (2) 69° at Algiers, and 64° at Lisbon and Barcelona; (3) 63° at Valencia (Ireland) and Penzance. Lowest 43° at Bodø, and 44° at Wisby, Christiansund, Skudesnaes and Shields; below 50° over nearly the whole of Scotland. Daily maxima below 55° over the northern parts of Gt Britain as a whole, and as low as 47° at Shields; thermometer exceeding 70° at a few of our own southern stations, as well as in the Netherlands, France and Germany, and reaching 76° in London, and 77° at Paris.

Wind light to fresh from the NE. or N. over north-western Europe generally, but E. in Ireland, W. or NW. in Iceland, but E. in the south of Russia. Variable over Austria and the Adriatic, and also over the Spanish peninsula; light from the N.W. or NW. in the S. of France, and also over the western parts of Italy. Subsequently increasing to a gale from the N. at Skudesnaes; no important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards in an anticyclone lying over Scotland and the W. of Norway. Lowest 29.8 ins. and less in a large shallow depression lying over Austria and the extreme south of Russia; 29.9 ins. and less in a large area of irregular shape and covering nearly the whole of S.W. and S.E. Europe, and also in a small shallow area over the Bay of Biscay. No important change occurring over W. Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 20th May, 1897.

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 ...	30·30	47	↙	0	b	30·24	— ·08	51	44	+ 1	↙	0	b	*	b	*	57	41	—
	Hernösand ...	30·32	48	N	2	b	30·31	— ·03	51	43	+ 4	N	2	bc	⊖	b	*	61	45	—
	Stockholm ...	30·20	48	N	4	b	30·13	— ·06	49	47	— 6	N	4	o	*	b	*	59	45	—
	Wisby	30·13	45	NNE	4	b	30·04	— ·08	43	43	— 2	NNE	4	r	*	b	*	50	37	—
	Karlstad ...	30·27	53	NE	4	b	30·23	— ·02	53	45	+ 2	NE	4	c	*	b	*	*	*	—
	Bodö	30·46	43	SW	4	o	30·39	— ·10	44	39	+ 3	SW	4	o	2	o	*	45	37	—
	Christiansund ...	30·40	45	NE	7	b	30·36	— ·14	47	45	+ 1	ENE	5	b	3	b	*	50	43	—
	Skudesnaes ...	30·24	58	N	1	b	30·29	·00	56	48	+ 8	E	2	b	1	b	*	63	41	*
	Færder (Christiania Fjord)	30·25	55	N	2	bc	30·28	·00	53	46	+ 3	NNE	3	b	2	bc	*	57	48	—
	Skagen (The Scaw)	30·16	57	ENE	1	b	30·24	+ ·08	53	49	0	NNE	1	b	0	b	*	68	48	—
	Fanö	30·09	60	ENE	4	b	30·13	+ ·05	55	52	+ 2	ENE	3	b	*	b	*	68	52	—
BRITISH ISLANDS.	Sumburgh Head	30·35	46	NE	3	bc	30·28	— ·12	45	44	0	NE	2	o	4	o.bc	*	49	42	—
	Stornoway ...	30·30	50	E	4	b	30·26	— ·13	49	49	+ 1	E	3	bc	3	b	14.7	51	41	—
	Wick	30·37	44	NE	2	c	30·29	— ·12	43	45	+ 1	NE	1	o	0	c	*	49	42	—
	Nairn	30·34	48	E	2	bc	30·28	— ·10	45	43	— 1	↙	0	c	1	bc	*	53	41	—
	Aberdeen ...	30·32	48	NE	3	bc	30·28	— ·11	50	45	+ 3	N	2	b	2	bq,bc,o	8.9	51	42	—
	Leith	30·29	49	E	3	b	30·26	— ·12	45	42	— 1	E	2	o	*	b	*	53	41	—
	Shields	30·28	44	N	3	o	30·20	— ·15	43	43	0	N	4	o	4	o	*	47	41	—
	Spurn Head ...	30·19	45	N	5	c	30·09	— ·16	47	47	+ 2	N	4	o	4	c	*	48	43	—
	York	30·24	52	NNE	3	b	30·16	— ·15	46	44	— 1	N	3	o	*	bc	11.2	55	39	—
	Loughborough ...	30·18	55	NE	4	b	30·13	— ·14	46	44	— 1	NE	3	ow	*	bcq,b.o	*	61	40	—
	Ardrossan ...	30·23	56	NE	4	b	30·21	— ·11	47	46	— 2	NE	4	bw	2	b	*	58	42	—
	Malin Head ...	30·22	57	E	3	b	30·19	— ·10	49	46	— 1	ESE	4	bw	1	b	*	54	41	—
	Belmullet ...	30·17	61	NE	3	b	30·16	— ·06	57	51	— 1	ENE	1	b	*	b	*	67	46	—
	Donaghadee ...	30·23	59	NNE	3	b	30·24	— ·11	47	43	— 2	E	4	b	2	b	*	59	41	—
	Liverpool (Bidston)	30·15	59	ENE	3	b	30·14	— ·11	45	41	— 6	E	2	o	?	b	*	63	39	—
	Holyhead ...	30·16	52	NE	4	bc	30·13	— ·09	47	44	— 4	NE	4	bw	3	b,bc	*	56	42	—
	Parsonstown ...	30·13	63	NE	1	b	30·14	— ·07	49	46	— 6	NE	1	b	*	b	13.0	67	43	—
	Valencia ...	30·09	60	↙	0	m	30·07	— ·04	57	53	— 7	↙	0	bw	1	bw	14.5	72	44	—
	Roche's Point ...	30·11	62	ESE	4	b	30·09	— ·05	57	51	— 2	E	3	b	3	b	*	65	50	—
	Pembroke (St. Ann's Hd.)	30·09	55	NW	1	bc	30·07	— ·12	52	49	— 3	ESE	3	b	2	bc	9.0	61	46	—
	Scilly	30·02	50	NE	2	c	29·97	— ·07	56	50	— 1	ENE	4	bc	2	c,b2	10.6	59	50	0·02
	Prawle Point ...	30·00	60	ENE	5	c	30·01	— ·06	51	48	+ 2	NE	6	bc	5	c,2	*	62	45	—
	Jersey (St Aubin's)	29·98	56	ENE	5	cgm	29·97	— ·05	51	50	— 1	ENE	6	ow	4	cgm,2	*	59	49	—
	Hurst Castle ...	30·04	64	NE	4	bw	30·04	— ·05	50	47	— 1	NE	4	bw	3	bw	*	66	42	—
	Dungeness ...	30·04	52	NNE	5	b	30·02	— ·07	51	48	— 2	NE	4	b	3	bc,b	*	58	43	—
	North Foreland	30·08	48	NE	5	c	30·04	— ·10	49	46	— 1	N	4	c	3	c	*	51	45	—
	London (Kew Obs.) ...	30·08	63	NNE	3	b	30·08	— ·08	52	46	+ 1	NNE	2	b	*	bc,b,w	10·0	69	41	—
	Oxford	30·15	48	NE	2	b	30·10	— ·09	46	43	— 3	NNE	2	c	*	b,c	*	62	40	—
	Cambridge ...	30·15	53	N	4	b	30·09	— ·12	49	46	— 2	NNW	3	b	*	b	11·8	61	42	—
	Yarmouth ...	30·13	47	N	4	c	30·06	— ·10	47	45	— 2	N	4	bc	4	c	*	51	43	—
GERMANY & HOLLAND.	Cuxhaven ...	30·01	63	N	2	b	30·05	+ ·01	53	49	— 6	E	4	b	*	b	*	64	50	—
	Berlin	29·95	64	NNE	3	o	29·96	+ ·02	56	52	— 6	NNE	5	c	*	o	*	75	52	—
	Wiesbaden ...	*	*	*	*	*	29·89	— ·07	66	60	+ 2	NE	4	o	*	*	*	73	48	0·04
	Munich	29·95	55	W	2	o	29·92	— ·05	59	56	+ 4	NE	2	b	*	o	*	68	48	0·28
	The Helder ...	30·06	47	NNE	5	bc	30·02	— ·08	52	51	+ 1	NE	1	b	1	bc	*	52	45	—
FRANCE & BELGIUM.	Brussels ..	*	*	*	*	*	29·99	— ·05	51	50	— 8	N	2	f	*	b	*	73	48	—
	Cape Gris Nez ...	30·03	48	NE	7	m	30·01	— ·04	47	45	— 4	NE	6	o	6	mw	*	54	43	—
	Paris	29·90	71	NE	2	b	29·93	— ·04	54	52	— 7	N	3	mw	*	b	*	76	52	—
	Brest	29·92	63	ENE	2	b	29·93	— ·03	54	52	— 1	NE	1	c	1	b	*	66	50	—
	Lorient	?	61	NW	1	o	29·89	— ·06	58	55	+ 3	E	2	o	2	o	*	68	54	—
	Rochefort ...	29·88	58	NW	4	f	29·84	— ·07	56	56	0	N	2	f	*	o,f	*	64	54	—
	Belfort	29·83	65	NE	2	c	29·84	— ·08	56	56	— 3	ESE	3	f	*	c	*	74	53	—
	Lyons	29·82	69	NNW	1	b	29·82	— ·09	66	60	+ 5	E	1	fb	*	b,2	*	77	56	—
	Nice	29·81	61	SSW	1	bc	29·77	— ·05	56	55	— 7	↙	0	o	1	bc	*	70	52	—
	Perpignan ...	29·81	75	S	2	c	29·83	— ·07	73	62	+ 7	SW	1	bc	*	c	*	83	58	—
	Biarritz ...	29·84	63	NNE	3	b	29·85	— ·08	59	58	+ 2	SW	2	bc	1	b	*	66	55	—
PENINSULA.	Corunna ...																*			
	Lisbon	29·89	63	WSW	3	b	29·86	— ·03	65	61	0	SSE	3	o	*	b	*	70	61	—
	Azores (P. Delgada)	29·86	59	N	4	c	29·89	+ ·20	59	55	0	N	4	c	2	c	*	64	57	0·08

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 14·5 hrs;

WEATHER CHARTS

FOR THURSDAY, 20th MAY, 1897.

BAROMETER, WIND AND SEA.

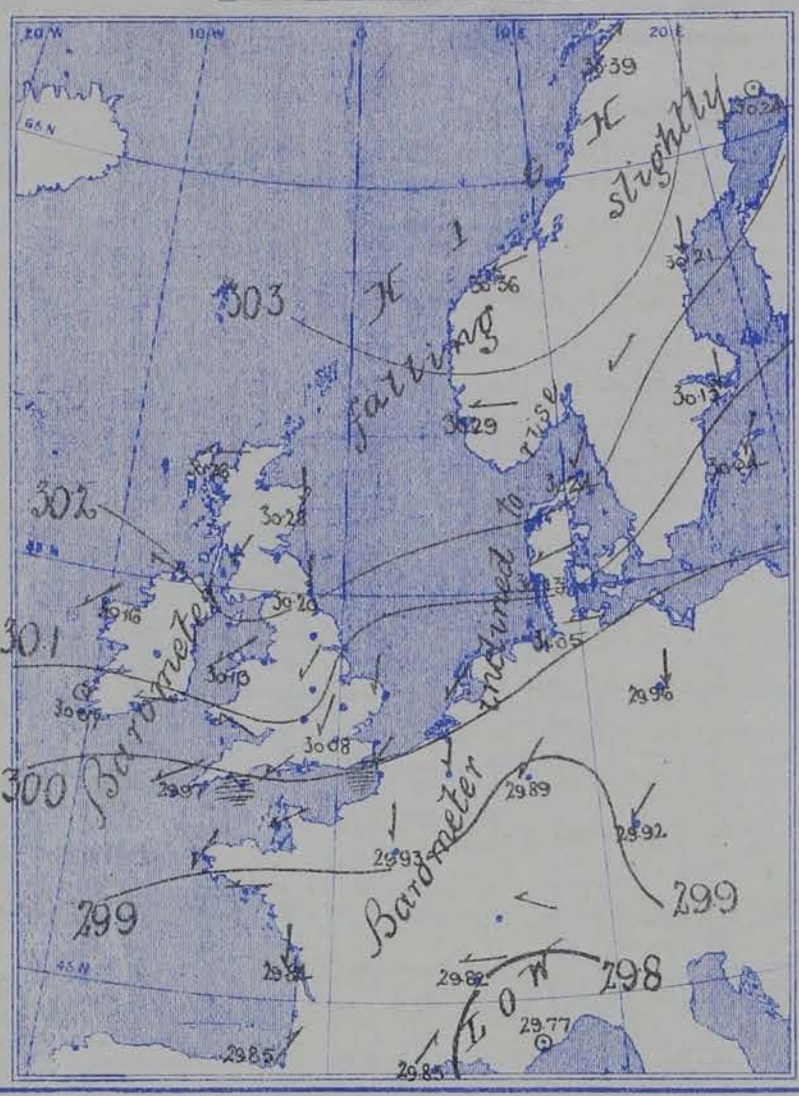
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

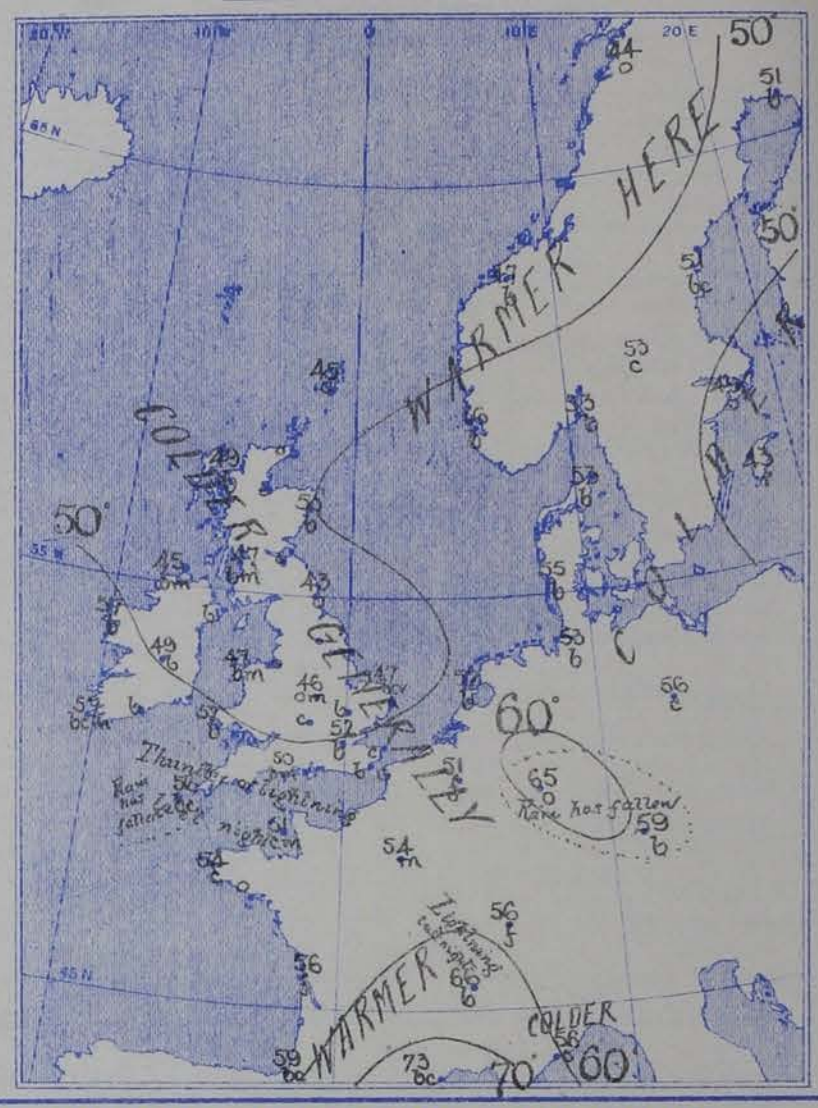


TEMPERATURE & WEATHER.

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 MAY.

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	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29 956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49 9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29. 941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56.4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56.9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29 984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·8	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* 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 over all the more western and northern parts of Scandinavia;
30.0 ins. and upwards in an anticyclone covering the whole of northwestern Europe
Lowest 29.8 ins. and less in a shallow depression lying over the south of France.
Gradients slight. Barometer inclined to rise in the S.E. of England and also in Denmark, N. Germany, the south of Norway and at many of the French stations, falling elsewhere.

TEMPERATURE

Highest 73° at Perpignan, 66° at Lyons, 65° at Lisbon and Wiesbaden, 59° at Munich and Biarritz & 58° at Lorient.
Lowest 43° at Shields and Wisby, 44° at Bodö, and 45° at Dumbarg Hd., Wick, Nairn, Leith & Liverpool.
During yesterday the thermometer rose to 65° and upwards at several of our W. and S. stations to 69° in London, and to 72° at Valencia (Ireland); on most parts of our N. and E. coasts, however, it failed to reach 55°, and at Shields it did not exceed 47°.

WIND

NE. ¾ (N ¼ to E. ¾) over western Europe generally; light or moderate in force in most places, but strong at some of the Channel Islands.
Calm or light from the SW. in the extreme south of France.

WEATHER

Fine over the greater part of our area, but dull in the N. of England, the extreme N. of Scotland, and on the French side of the Channel, as well as in the S. of Sweden, with rain at Wisby.
Fog was reported at Brussels, Wiesbaden and Rochefort.
A thunderstorm occurred last night at Scilly, and lightning was seen at Prawle Point, Jersey and Lyons. A solar halo was seen yesterday at Oxford.

SEA

Rough at Cape Gris Nez, and rather rough at Prawle Point, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 21ST MAY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. ¾ and NE. ¾ winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. ¾ winds, moderate or fresh; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	N. ¾ or NE. ¾ winds, moderate; fine generally.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E. ¾ or NE. ¾ winds, light or moderate; fine generally.
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 ...	30·26	63	50	NNW	2	b	1	Valencia	30·09	72	58	ENE	3	bm	4
Sumburgh Head	30·39	47	44	NE	3	o	4	Scilly	30·04	58	53	E	5	c	2
Stornoway	30·35	51	50	E	4	b	4	Jersey	30·00	57	55	NE	4	c	3
Aberdeen	30·34	49	44	NE	5	bq	5	Hurst Castle ...	30·04	65	60	NE	4	bm	3
Shields	30·32	47	44	N	3	o	4	Dungeness ...	30·07	57	54	NNE	5	bc	4
Ardrossan	30·26	57	54	N	4	bm	2	North Foreland	30·12	49	47	NE	5	c	5
Malin Head ...	30·26	53	51	E	3	b	1	London (Westminster)	30·16	64	53	NE	3	b	*
Belmullet	30·20	65	55	ENE	3	b	*	Yarmouth ...	30·16	51	47	NNE	4	c	4
Holyhead	30·20	54	49	NE	5	b	4	Rochefort ...	29·91	63	61	NW	3	o	*

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

Weather in morning fine over W.rn and N.rn Europe generally, but dull in the NE.rn parts of Gt. Britain as well as at some of the English Channel stations, with showers at Jersey; fog reported at Paris and Rochefort. Dull over the greater part of central Europe and also over Italy and the Adriatic, with rain at Swinemunde, Buda Pesth and Leine. Rain falling later over the southern parts of Germany; thunderstorm occurring at Scilly at night, and lightning seen at Prawle Pt., Jersey and Lyons.

Temperature fallen in most parts of NW.rn Europe, risen or changed irregularly elsewhere. Morning readings highest (1) 70° at Barcelona and Ajaccio, 69° at Algiers, and 67° at Palermo, (2) 66° at Memel, and 65° at Riga and Warsaw, (3) 64° at Valentia (Ireland). Lowest 41° at Bodo, 43° at Shields, 42° at Wick, and 45° at Archangel and Wisby. Daily maxima below 55° at most of our N.rn and E.rn stations, and as low as 47° at Shields; thermometer exceeding 65° in some parts of Ireland and the S. of England; exceeding 75° at several of the French stations, and reaching 83° at Perpignan.

Wind light to fresh from the NE.rd or N.rd over our Islands and all the more northern parts of the Continent generally, but E.ly in Ireland and the SW. of England. Light from the SE.rd in the south of Russia, but from the W.rd or NW.rd over Austria, Italy, and the S. of France; variable over the Spanish peninsula. No important change occurring over W.rn Europe during day.

Barometer highest 30.50 ins. at Christiansund; 30.1 ins. and upwards in an anticyclone extending from N.rn Europe over all but the extreme S.rn parts of our Islands. Lowest 29.7 ins. and less in a depression over E.rn Austria; 29.9 ins. and less in another disturbance off the Portuguese coast. Barometer falling slightly over W.rn Europe during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 May, 1897.

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	47	S	0	0	30·07	—·17	54	46	+ 3	SW	2	b	6	0	*	59	36	—
	Hernösand ...	30·21	47	S	0	b	30·15	—·16	51	44	0	S	0	b	*	b	*	63	36	—
	Stockholm ...	30·12	48	NE	2	0	30·08	—·05	55	50	+ 6	N	2	b	*	0	*	57	45	0·20
	Wisby	30·01	43	NE	4	0	29·99	—·08	45	44	+ 2	NE	4	0	*	0	*	46	37	—
	Karlstad ...	30·16	54	S	0	b	30·11	—·12	55	45	+ 2	NNE	4	b	*	b	*	*	*	—
	Bodö	30·32	43	SW	4	0	30·19	—·20	42	40	— 2	SW	6	0	3	0	*	46	39	0·12
	Christiansund ...	30·29	49	ENE	4	b	30·24	—·12	48	43	+ 1	ENE	3	b	2	b	*	54	43	—
	Skudesnaes ...	30·23	51	N	2	b	30·17	—·12	44	43	— 12	NNW	4	f	1	b	*	59	39	*
	Færder (Christiania Fjord)	30·14	62	NNW	1	b	30·13	—·15	52	48	— 1	N	1	b	1	b	*	63	50	—
	Skagen (The Scaw)	30·16	56	NE	1	be	30·12	—·12	54	48	+ 1	ENE	2	b	0	be	*	68	52	—
	Fanö	30·08	55	ENE	1	b	30·04	—·09	55	51	0	ENE	4	b	*	b	*	75	46	—
British Islands.	Sumburgh Head	30·24	45	NE	1	0	30·20	—·08	44	43	— 1	NE	1	0	3	0	*	48	42	—
	Stornoway ...	30·19	52	E	4	b	30·16	—·10	50	49	+ 1	E	3	be	3	b	15·0	52	42	—
	Wick	30·25	48	NE	1	b	30·19	—·10	45	44	0	E	2	m	1	b	*	52	40	—
	Nairn	30·20	49	E	3	b	30·18	—·10	47	45	+ 2	S	0	om	0	b	*	52	42	—
	Aberdeen ...	30·25	43	ENE	2	0	30·20	—·08	45	44	— 5	NE	2	om	2	f.bq.o.f	9·2	51	38	—
	Leith	30·19	48	E	3	0	30·20	—·06	43	43	— 2	E	1	m	*	o.m	*	54	41	—
	Shields	30·16	47	N	3	0	30·16	—·04	46	45	+ 3	NNW	2	b	4	o.f	*	49	39	—
	Spurn Head ...	30·07	50	NNE	4	b	30·08	—·01	53	51	+ 6	NNE	4	b	4	b.f.w	*	53	45	—
	York	30·10	44	ENE	2	b	30·13	—·03	55	48	+ 9	N	1	b	*	b	7·5	67	43	—
	Loughborough ...	30·03	64	NE	3	b	30·09	—·04	50	47	+ 4	NNE	3	bom	*	o.be,b.o	*	66	45	—
	Ardrossan ...	30·10	61	NE	4	b	30·11	—·10	52	50	+ 5	NE	4	bf	2	bm	*	63	42	—
	Malin Head ...	30·15	52	NE	3	b	30·08	—·11	52	50	+ 3	SE	4	obm	1	be,b	*	53	45	—
	Belmullet ...	30·11	56	ENE	2	b	30·04	—·12	56	53	— 1	ESE	2	b	*	b	*	62	46	—
	Donaghadee ...	30·10	58	NNW	3	bm	30·12	—·09	54	50	+ 7	N	3	b	1	b	*	60	45	—
	Liverpool (Bidston)	30·04	54	S	0	b	30·07	—·07	57	50	+ 12	E	3	b	?	o.b	*	58	45	—
	Holyhead ...	30·04	52	NE	2	b	30·04	—·09	57	52	+ 10	ENE	3	bm	2	bm,b	*	57	44	—
	Parsonstown ...	30·04	61	E	1	b	30·02	—·12	51	49	+ 2	N	1	b	*	b	12·9	62	36	—
	Valencia ...	30·01	57	WNW	2	bm	29·97	—·10	57	53	0	NE	1	bm	1	bm	12·5	66	40	—
	Roche's Point ..	30·04	55	SSE	2	b	30·00	—·09	58	54	+ 1	ESE	2	b	3	b	*	60	44	—
	Pembroke (St. Ann's Hd.)	29·97	58	E	3	b	29·96	—·11	59	56	+ 7	SE	4	b	2	b	14·0	59	50	—
	Scilly	29·95	54	NNE	2	b	29·88	—·09	57	53	+ 1	NE	3	be	1	b	13·8	57	49	—
	Prawle Point ...	29·97	60	NE	3	b	29·90	—·11	56	54	+ 5	ENE	6	be	5	b	*	61	49	—
	Jersey (St. Aubin's)	29·89	59	NE	4	b	29·83	—·14	59	56	+ 8	NE	5	bm	4	op,b	*	59	50	0·02
	Hurst Castle ...	29·93	66	ENE	1	bm	29·93	—·11	60	57	+ 10	ENE	3	bm	2	bm	*	67	49	—
	Dungeness ...	29·94	57	NE	4	b	29·91	—·11	57	54	+ 6	NE	5	b	4	bc,b	*	58	51	—
	North Foreland	29·97	50	N	3	bcf	29·96	—·08	55	52	+ 6	E	4	b	4	o.bcf	*	55	46	—
	London (Brixton) ...	29·96	66	NE	2	b	29·98	—·10	62	53	+ 10	NE	3	b	*	bm,b	12·0	73	50	—
	Oxford	30·00	68	NE	1	b	30·01	—·09	55	51	+ 9	NE	3	b	*	b	*	66	45	—
	Cambridge ...	30·01	66	NNE	2	b	30·03	—·06	55	52	+ 6	NNE	1	b	*	b	12·9	68	42	—
	Yarmouth ...	30·01	54	NNE	4	be	30·01	—·05	53	50	+ 6	NE	4	b	4	c,be	*	55	45	—
Germany & Holland.	Cuxhaven ...	30·02	59	NE	3	b	29·95	—·10	54	51	+ 1	NNE	3	o	*	b	*	61	52	—
	Berlin	29·95	56	NNE	4	be	29·93	—·03	49	47	— 1	N	3	o	*	be	*	63	46	—
	Wiesbaden ...	*	*	*	*	*	29·85	—·04	58	55	— 1	NE	2	o	*	*	*	68	57	0·24
	Munich	29·87	55	E	3	c	29·85	—·07	52	52	— 1	SE	2	o	*	c	*	68	48	—
	The Helder ...	29·99	57	NE	5	b	29·98	—·04	55	51	+ 3	NE	5	b	3	b	*	59	52	—
Belgium.	Brussels ...	*	*	*	*	*	29·90	—·09	59	53	+ 8	NE	4	b	*	b	*	73	50	—
	Cape Gris Nez ...	29·93	50	ENE	4	fb	29·90	—·11	55	53	+ 8	E	4	m	4	f	*	55	45	—
	Paris	29·85	62	N	2	b	29·80	—·13	61	58	+ 7	NE	2	b	*	b	*	62	54	—
	Brest	29·86	59	ENE	2	o	29·79	—·14	54	53	+ 10	ENE	2	c	1	o	*	63	48	—
	Lorient	29·83	62	ENE	4	be	29·78	—·11	56	55	— 2	NE	4	be	2	be	*	68	52	—
France &	Rochefort ...	29·77	63	NW	3	m	29·71	—·13	59	59	+ 3	ENE	3	m	*	m	*	70	55	—
	Belfort	29·73	66	E	1	o	29·76	—·08	56	55	0	E	2	f	*	o	*	74	53	0·08
	Lyons	29·75	69	N	1	c	29·75	—·07	61	57	— 5	ESE	1	be	*	c,blr	*	79	56	0·39
	Nice	29·78	58	S	0	c	29·76	—·01	59	56	+ 3	NE	2	c	1	c	*	64	55	—
	Perpignan ...	29·74	75	SW	1	o	29·72	—·11	67	62	— 6	E	2	b	*	o	*	86	59	—
	Biarritz ...	29·80	59	NW	3	m	29·69	—·16	60	59	+ 1	E	3	o	1	m	*	70	57	—
Peninsula.	Corunna ...																*			
	Lisbon	29·79	64	S	3	c	29·71	—·15	60	57	— 5	SSE	3	r	*	c	*	72	59	0·43
	Azores (P. Delgada)	29·95	59	N	4	c	30·01	+ ·12	59	57	0	NNW	4	c	4	c	*	64	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 6·2 hrs;

WEATHER CHARTS

FOR FRIDAY, 21st MAY, 1897.

BAROMETER, WIND AND SEA.

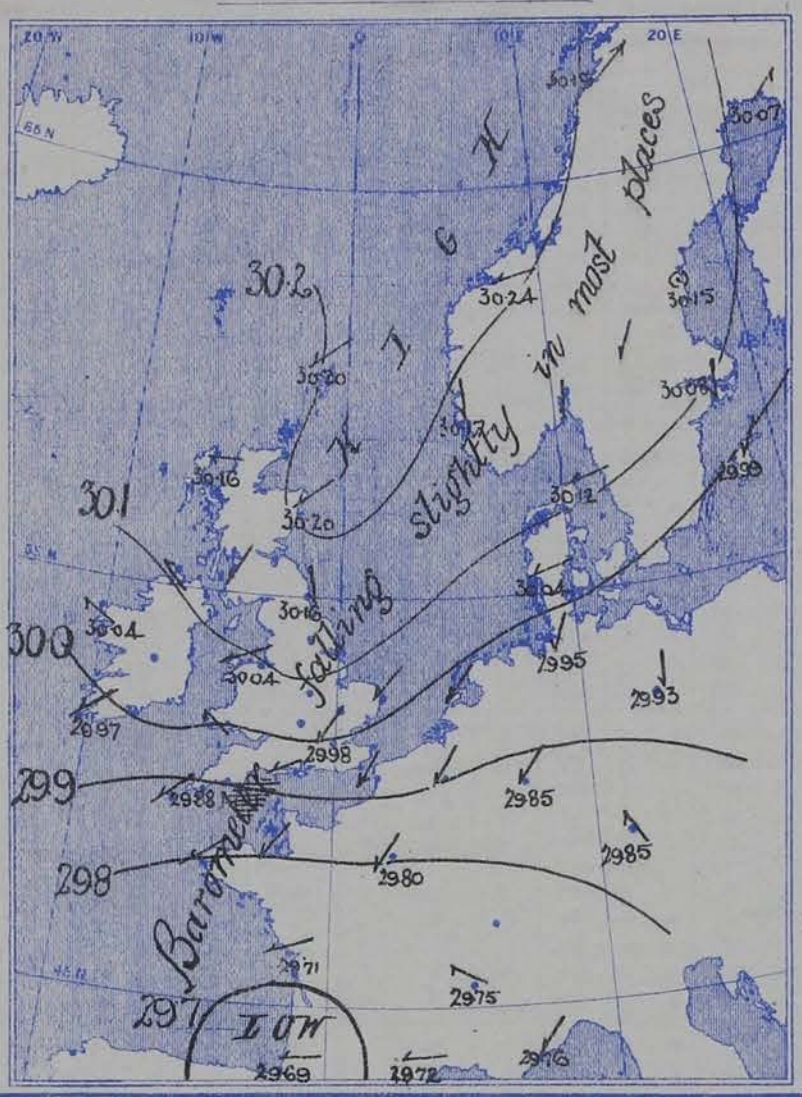
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▦

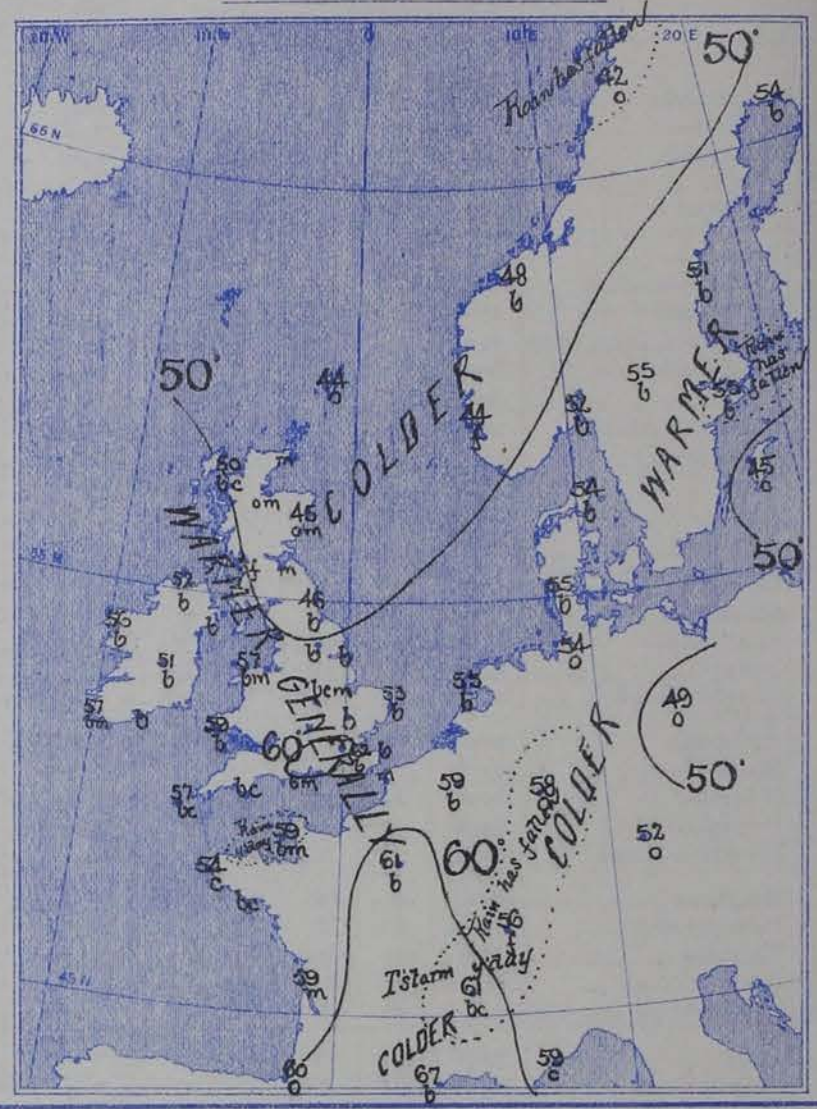


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 over the W. of Norway and the northern parts of the North Sea, 30.0 ins. and upwards in an anticyclone extending from N.W. Europe over all but the extreme southern parts of our Islands.
Lowest 29.7 ins. and less in two depressions, – one lying over the extreme SW. of France, and the other off the Portuguese coasts. Gradients slight. Barometer falling a little in most places.

TEMPERATURE — Highest 67° at Perpignan, 62° in London, 61° at Paris and Lyons, and 60° at Hurst Castle, Biarritz & Lisbon. Lowest (1) 42° at Bodö, 43° at Leith, and 44° at Christiansund and Sumburgh Hd.; (2) 45° at Wisby, & 49° at Berlin. During yesterday the thermometer rose to 65° and upwards at many of our central and southern stations, and to 73° in London; on our N. and E. coasts, however, it did not exceed 55°, and at Shields it only rose to 49°.

WIND — NE. 2 (N. 2 to E. 2) over western Europe generally; light or moderate in force in most places, but fresh or strong at some of the English Channel stations.
SW. 2 over the northern parts of Scandinavia, and strong in force at Bodö. Light from the SE. at Lisbon.

WEATHER — Fine over W. Europe as a whole, but dull and misty in the N. and E. of Scotland; dull also at the German stations and at Biarritz; rainy at Lisbon.
Showers fell yesterday at Jersey and more decided rain in central France and W. Germany, with a thunderstorm at Lyons.

SEA — Rather rough at Prawle Point, and moderate on our S. and E. coasts generally, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is becoming somewhat less uniform than of late, but there are at present no signs of any immediate change in the weather.

FORECASTS

For the 24 hours ending at NOON on 22ND MAY 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. 2 and NE. 2 winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. 2 and NE. 2 winds, moderate; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE. 2 winds, moderate or fresh; fair, warm.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E. 2 winds, light or moderate; fine generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. 2 and NE. 2 winds, fresh; fine generally.
9	IRELAND NORTH	Same as Nos. 6 and 7
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	30·28	59	49	N	4	b	1
Sumburgh Head	30·27	48	45	NE	1	o	3
Stornoway	30·24	52	51	E	4	b	4
Aberdeen	30·26	48	45	ENE	4	bq	4
Shields	30·18	48	47	N	3	o	4
Ardrossan	30·14	62	58	NE	4	b	2
Malin Head	30·16	52	50	NE	2	bc	1
Belmullet	30·12	60	57	ESE	2	b	*
Holyhead	30·09	51	48	NE	5	bm	4
Valencia	30·03	60	56	WSW	3	bm	3
Scilly	29·97	54	49	E	4	b	1
Jersey	29·95	53	52	NE	5	o	4
Hurst Castle	29·98	? 65	? 57	E	1	bm	1
Dungeness	29·97	55	53	NE	5	bc	4
North Foreland	30·02	49	48	NE	4	o	4
London (Westminster)	30·00	67	57	NNE	2	b	*
Yarmouth	30·04	52	50	N	4	c	4
Rochefort	29·82	68	64	NW	2	m	*

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

Weather in morning fine in all the more W^rn and S^rn parts of our Islands, and also over the greater part of the Continent, but dull in the N. of England and the extreme N. of Scotland. Dull also in the N. of France and in Portugal, as well as over central Russia; foggy at Brussels, Belfort and Rochefort. Showers falling later at Jersey, and more decided rains over central France and W^rn Germany; no important change occuring elsewhere.

Temperature fallen in our Islands and the neighbouring parts of the Continent, as well as over Finland and the Baltic; risen in most other localities. Morning readings highest 73° at Perpignan and Algiers, 72° at Barcelona and Sfax, and 69° at Oporto, above 60° in most parts of southern and eastern Europe. Lowest (1) 42° at Archangel; (2) 43° at Wisby, and 47° at Nevgahwasser; (3) 43° at Shields, 44° at Bodo, and 45° at Sumburgh H^d, Wick, Nairn, Leith and Liverpool. Remaining below 55° all day on most parts of our N. and E. coasts, but exceeding 65° at several of our central and southern stations, and reaching 73° in London; exceeding 75° in the south of France, and touching 86° at Perpignan

Wind varying between N. and E. over our Islands and all the more northern and central parts of the Continent generally; light or moderate in force in most places, but strong in the W^rn parts of the English Channel, as well as in the Gulf of Finland. Light from the SW^wd over the extreme south of France and the N. of Spain; N^wd or NW^wd in Italy; calm or variable in Austria. No important change occurring over W^rn Europe during day.

Barometer highest 30·3 ins. and upwards over all the more W^rn and N^rn parts of Scandinavia; 30·0 ins. and upwards in an anticyclone embracing the whole of our Islands and the northern parts of the Continent. Lowest 29·8 ins. and less in a large shallow depression over Austria and the N^rn parts of the Adriatic, and also in a smaller system over the south of France. No important change occurring over W^rn Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 22nd† May, 1897.

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 ...	29.96	50	SW	0	c	29.90	— .17	53	47	— 1	SW	0	bc	*	c	*	59	39	—
	Hernösand ...	29.99	49	S	2	b	29.89	— .26	53	46	+ 2	S	2	bc	*	b	*	?61	36	—
	Stockholm ...	30.00	56	NE	2	o	29.91	— .17	54	48	— 1	NE	2	o	*	o	*	63	41	—
	Wisby	29.97	43	NE	4	b	29.85	— .14	48	45	+ 3	NE	4	c	*	b	*	48	37	—
	Karlstad ...	29.97	59	S	2	b	29.91	— .20	55	51	0	SSE	2	b	*	b	*	*	*	—
	Bodö	30.11	42	SW	2	r	30.04	— .15	43	39	+ 1	WNW	2	c	1	r	*	43	39	0.16
	Christiansund ...	30.17	47	ENE	3	b	30.10	— .14	47	43	— 1	ENE	2	c	3	b	*	52	43	—
	Skudesnaes ...	30.06	44	NNW	2	f	29.93	— .24	47	46	+ 3	S	1	bcf	1	bc.f	*	51	39	*
	Færder (Christiania Fjord)	29.92	60	SW	1	b	29.90	— .23	54	49	+ 2	N	1	b	1	b	*	64	52	—
	Skagen (The Scaw)	29.96	56	NE	1	bc	29.88	— .24	56	53	+ 2	E	1	b	0	bc	*	63	54	—
	Fanö	29.89	55	SW	0	r	29.80	— .24	56	55	+ 1	ENE	2	c	*	r	*	70	50	0.08
British Islands.	Sumburgh Head	30.14	45	NE	2	c	30.05	— .15	47	43	+ 3	NE	3	c	4	0.c	*	48	41	—
	Stornoway ...	30.09	52	E	4	b	30.01	— .15	49	48	— 1	E	2	o	2	b	14.9	52	40	—
	Wick	30.13	45	E	2	o	30.05	— .14	45	44	0	E	3	o	2	o	*	51	42	—
	Nairn	30.09	48	E	2	o	30.03	— .15	45	43	— 2	E	1	o	o	o	*	52	41	—
	Aberdeen ...	30.12	43	E	1	o	30.03	— .17	45	42	0	N	2	og	2	f.am.o	0.4	46	42	—
	Leith	30.06	52	E	1	b	30.02	— .18	44	42	+ 1	SW	0	o	*	b	*	50	40	—
	Shields	30.10	50	NNE	2	b	30.01	— .15	43	42	— 3	N	2	o	3	b.f	*	52	39	—
	Spurn Head ...	30.00	50	NNE	4	b	29.94	— .14	46	45	— 7	N	4	o	4	b	*	56	42	—
	York	30.05	60	NE	4	b	29.99	— .14	49	45	— 6	NE	1	b	*	b	14.3	65	39	—
	Loughborough ...	29.98	63	ENE	4	b	29.97	— .12	45	43	— 5	NE	3	cw	*	bc.bw.o	*	66	37	—
	Ardrossan ...	30.02	61	SW	0	bw	29.98	— .13	52	50	0	NE	2	bf	1	bw	*	66	47	—
	Malin Head ...	29.99	55	ESE	3	bw	29.96	— .12	58	55	+ 6	E	2	bw	0	bw	*	58	49	—
	Belmullet ...	29.98	57	N	1	b	29.94	— .10	60	54	+ 4	WNW	2	b	*	b	*	69	?40	—
	Donaghadee ...	30.04	57	NNE	3	b	29.99	— .13	54	49	0	NNE	3	b	1	b	*	61	40	—
	Liverpool (Bidston)	29.97	63	E	4	b	29.95	— .12	55	49	— 2	SW	0	b	1	o.b	*	67	44	—
	Holyhead ...	29.98	54	NE	2	b	29.95	— .09	56	50	— 1	NE	3	bw	2	bc.b	*	63	46	—
	Parsonstown ...	29.95	57	E	1	b	29.93	— .09	56	51	+ 5	SW	0	b	*	b	11.2	72	41	—
	Valencia ...	29.94	61	SW	0	bw	29.90	— .07	60	53	+ 3	SW	0	bw	1	bw	14.1	64	43	—
	Roche's Point ..	29.96	61	ESE	3	b	29.93	— .07	57	52	— 1	E	3	b	3	b	*	66	46	—
	Pembroke (St. Ann's Hd.)	29.91	63	SW	0	b	29.90	— .06	56	53	— 3	ESE	2	b	2	b	13.3	63	47	—
	Scilly	29.86	59	ENE	2	bc	29.81	— .07	55	50	— 2	ENE	4	bc	1	bc	14.0	62	50	—
	Prawle Point ...	29.84	57	ENE	4	b	29.81	— .09	55	52	— 1	NE	6	b	5	b,2	*	65	49	—
	Jersey (St. Aubin's)	29.76	63	ENE	5	b	29.75	— .08	57	53	— 2	NE	5	bw	4	b	*	66	51	—
	Hurst Castle ...	29.85	61	ENE	4	b	29.83	— .10	57	52	— 3	NE	4	b	2	b	*	64	49	—
	Dungeness ...	29.83	56	NE	5	b	29.81	— .10	49	49	— 8	NE	5	od	4	b	*	60	48	—
	North Foreland	29.89	52	NE	5	b	29.86	— .10	48	47	— 7	NE	4	o	3	b	*	55	46	—
	London (Brixton) ...	29.90	62	NE	3	b	29.88	— .10	54	48	— 8	NE	2	b	*	bc.b.m	13.7	68	45	—
	Oxford	29.93	55	NE	2	b	29.91	— .10	47	45	— 8	NNE	3	c	*	b	*	67	42	—
	Cambridge ...	29.94	63	NE	4	b	29.93	— .10	47	46	— 8	N	2	o	*	b	15.0	69	40	—
	Yarmouth ...	29.95	54	NE	4	b	29.88	— .13	47	45	— 6	NNE	4	c	4	b	*	58	44	—
Germany & Holland.	Cuxhaven ...	29.84	57	N	2	b	29.76	— .19	52	50	— 2	SW	0	c	*	b	*	59	48	—
	Berlin	29.83	58	N	2	b	29.76	— .17	52	49	+ 3	NNE	3	o	*	b	*	61	46	—
	Wiesbaden ...	*	*	*	*	*	29.69	— .16	58	54	0	SE	2	b	*	*	*	64	54	0.12
	Munich... ..	29.75	57	SW	0	o	29.69	— .18	54	53	+ 2	SW	0	o	*	o	*	68	50	0.04
	The Helder ...	?	55	NE	4	b	29.81	— .17	51	49	— 4	NNE	4	bc	2	b	*	57	48	—
Belgium.	Brussels ...	*	*	*	*	*	29.78	— .12	56	52	— 3	NE	4	c	*	b	*	68	46	—
	Cape Gris Nez...	29.85	54	E	5	b	29.80	— .10	50	50	— 5	ENE	5	o	5	b	*	59	48	—
	Paris	29.70	65	NE	2	b	29.69	— .11	56	52	— 5	NNE	2	b	*	b	*	75	50	—
	Brest	29.71	63	NE	3	b	29.69	— .10	59	55	+ 5	NE	4	bc	2	b	*	70	50	—
	Lorient... ...	29.69	63	ENE	4	b	29.64	— .14	55	54	— 1	E	5	c	1	b	*	70	54	0.20
France &	Rochefort ...	29.62	69	ENE	2	m	29.56	— .15	60	59	+ 1	NE	3	o	*	m.bc	*	79	57	—
	Belfort	29.63	58	E	2	c	29.62	— .14	55	55	— 1	E	1	r	*	c	*	71	53	0.28
	Lyons ...	29.66	62	S	1	o	29.62	— .13	57	55	— 4	E	1	r	*	bc.o	*	75	57	0.08
	Nice	29.72	64	SW	2	c	29.67	— .09	56	55	— 3	SW	0	r	2	c	*	68	55	0.12
	Perpignan ...	29.62	61	NE	2	o	29.58	— .14	61	59	— 6	SW	0	o	*	o	*	71	54	0.12
	Biarritz ...	29.63	60	W	3	o	29.59	— .10	60	59	0	W	4	r	3	o.bc	*	66	59	0.08
Peninsula.	Corunna ...																*			
	Lisbon	29.70	62	SW	3	b	29.69	— .02	63	61	+ 3	NE	4	o	*	b	*	66	59	—
	Azores (P. Delgada)	30.15	60	N	4	c	30.13	+ .12	59	55	0	N	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 14.0 hrs.

WEATHER CHARTS

FOR SATURDAY, 22nd MAY, 1897.

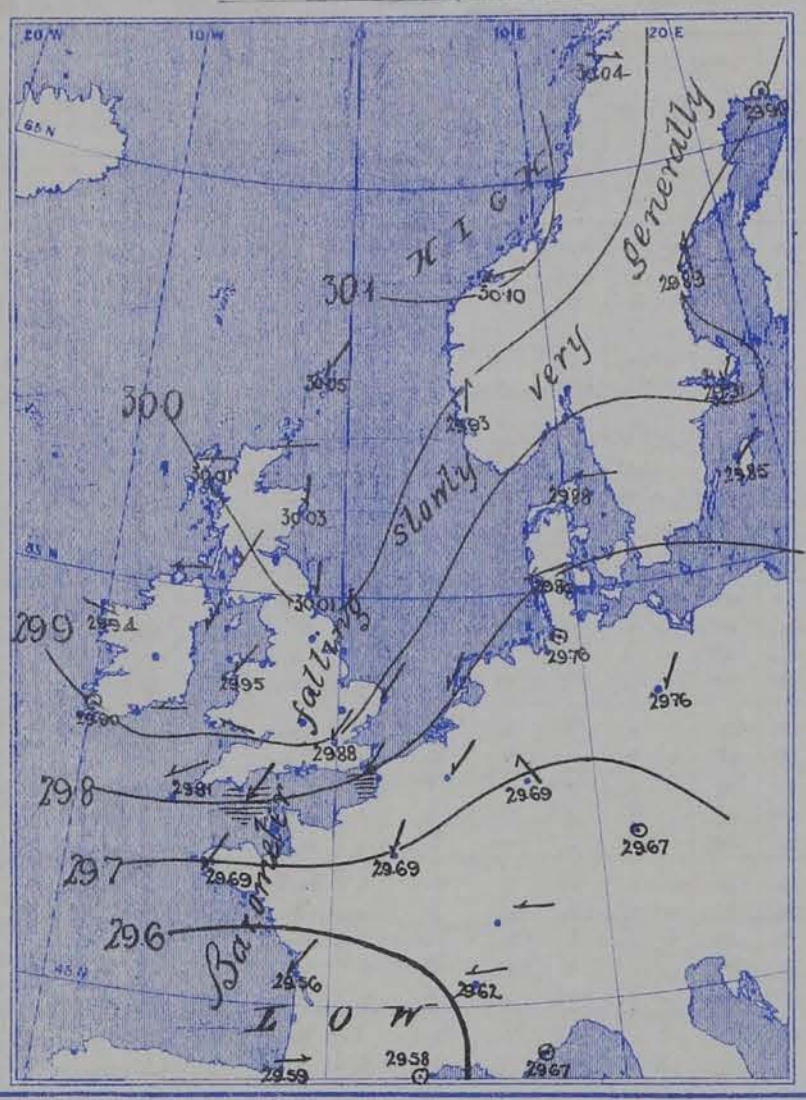
BAROMETER, WIND AND SEA.

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*

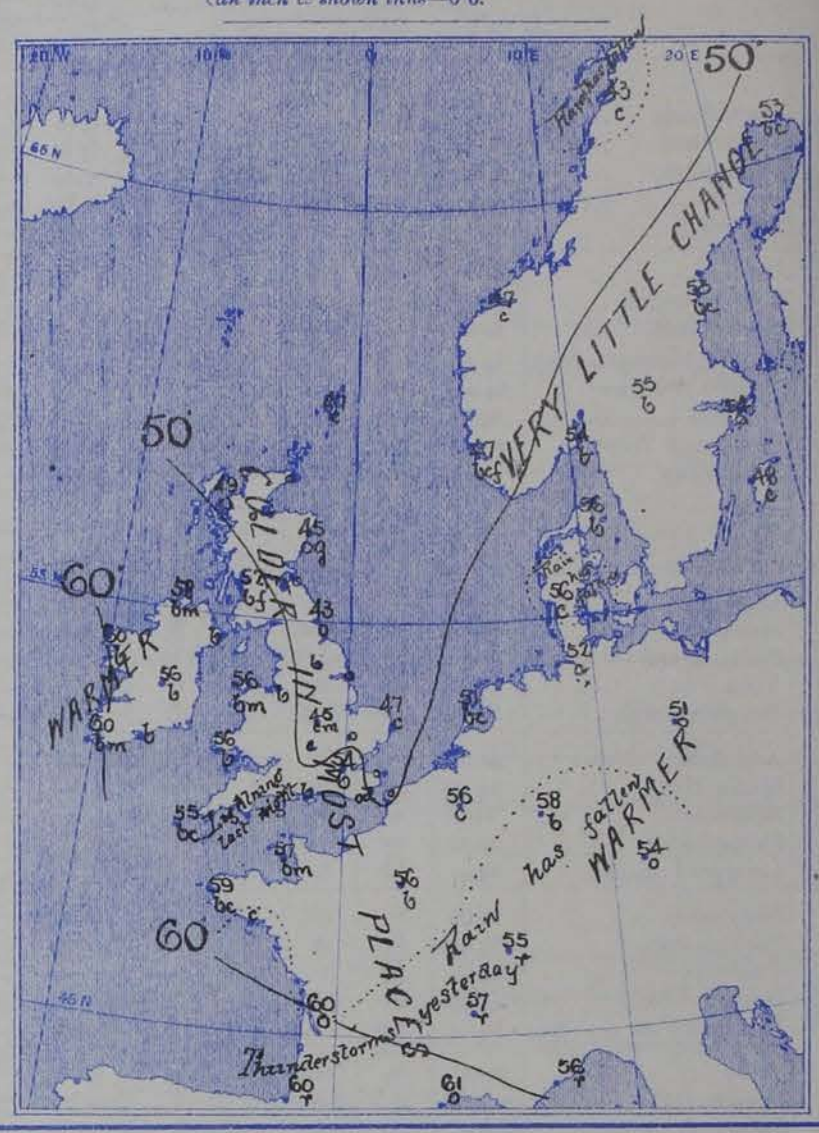


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 30.10 ins. at Christiansund; 30.0 ins. and upwards in an anticyclone covering the whole of the west of Norway, the northern parts of the North Sea, Scotland & the N.E. of England.
Lowest 29.6 ins. and less in a large shallow depression over the S.W. parts of France.
Gradients slight. Barometer falling a little generally.

TEMPERATURE — Highest (1) 63° at Lisbon, 61° at Perpignan, and 60° at Rochefort and Biarritz; (2) 60° at Belmullet and Valencia (Ireland) and 58° at Malin Head.
Lowest 43° at Shields and Bodö, 44° at Leith, and 45° at Wick, Nairn, Aberdeen & Loughborough.
During yesterday the thermometer rose to 65° and upwards at many of the English and Irish stations, to 68° in London, to 69° at Belmullet and to 72° at Parsonstown; on the N. and N.E. coast of Gt. Britain, however, it kept as a rule below 55°, and at Aberdeen it did not exceed 45°.

WIND — NE. ¼ (N. ¼ to E. ¼) over western Europe as a whole; light or moderate in force in most places, but fresh or strong at some of the English Channel stations.
Calm in the extreme S. of France; light and variable in Scandinavia.

WEATHER — Fine and bright in all the more W. and S. parts of the United Kingdom, as well as in Scandinavia, Denmark, the Netherlands and the north of France.
Cloudy or dull elsewhere, with rain at many stations in the east and south of France.
Since yesterday morning thunderstorms and rain have occurred at several of the French stations. A little rain has fallen also in S. Germany, and some parts of Denmark & Norway.
Lightning was seen last night at Prawle Pt.

SEA — Moderate to smooth generally, but rather rough at Prawle Pt. and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any immediate change in the weather. The distribution of pressure is however, undergoing a gradual alteration, and it seems probable that before long a change to less settled weather will be experienced at our southern stations.

FORECASTS

For the 24 hours ending at NOON on 23RD MAY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. ¼ and NE. ¼ winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. ¼ and NE. ¼ winds, moderate; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NE. ¼ winds, moderate or fresh; fair generally.
6	SCOTLAND WEST	NE. ¼ winds, light; fine generally
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. ¼ and NE. ¼ winds, fresh; fair generally.
9	IRELAND NORTH	Light breezes, chiefly E. ¼; fine generally.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·09	51	47	NNW	4	bc	1	Valencia	29·95	61	57	W	2	bm	3
Sumburgh Head	30·16	47	44	ENE	2	o	3	Scilly	29·86	62	55	E	4	bc	1
Stornoway	30·13	52	51	E	4	b	4	Jersey	29·80	65	59	ENE	6	bm	4
Aberdeen	30·16	44	43	ESE	2	cm	2	Hurst Castle ...	29·89	64	57	ENE	4	bm	2
Shields	30·14	51	48	NNE	2	b	3	Dungeness ...	29·89	59	50	NE	5	b	4
Ardrossan	30·05	63	60	WNW	1	bm	0	North Foreland	29·93	54	51	NE	5	b	4
Malin Head ...	30·03	56	53	ESE	4	b	1	London (Westminster)	29·93	66	55	NE	4	b	*
Belmullet	29·99	68	58	SW	1	b	*	Yarmouth ...	29·98	56	52	NNE	4	b	4
Holyhead	30·02	59	53	NE	3	bc	2	Rochefort ...	29·66	72	68	NW	3	m	*

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

Weather in morning fine over western and northern Europe generally, but dull and misty in the north and east of Scotland. Cloudy or dull in many parts of the eastern, central and southern countries, with fog in places and rain at Lisbon and Constantinople. Thunderstorms and rain occurring later at several of the French stations; slight rain falling also in S. Germany and in some parts of Denmark and Norway. Lightning seen at night at Prawle Point.

Temperature risen in our Islands and also in Sweden and N.rn Russia, fallen or changed irregularly elsewhere. Morning readings highest 73° at Spa, 72° at Barcelona and Algiers, and 71° at La Calle; above 60° in most parts of S.rn and E.rn Europe and also in London and Paris. Lowest (1) 42° at Bodö, 43° at Leith, and 44° at Christiansund and Sumburgh H.d, (2) 45° at Wisby, and 48° at Swinemunde and Neufahrwasser. Thermometer remaining below 55° all day on several parts of our own N. and NE. coasts and not exceeding 46° at Aberdeen. Exceeding 65° in the W. and S. of our Islands as a whole; rising to between 70° and 75° at most of the French stations.

Wind varying between N. and E. over western and northern Europe generally; light or moderate in force in most places, but fresh or strong at some of the English Channel stations. Calm or variable over Austria and the S. of Russia; rather variable but chiefly S.rly (SE to SW) over Italy and the Spanish peninsula. No important change occurring over W.rn Europe during day.

Barometer highest 30·2 ins. and upwards over the W. of Norway and the N.rn parts of the North Sea; and also over N.rn Russia. Lowest 29·7 ins. and less in three shallow depressions, one lying over the SW. of France and the NE. of Spain, the other over Algeria and the third over the Black Sea. Barometer falling slightly over W.rn Europe during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Sunday 23rd May, 1897.

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 ...	29.80	46	N	2	b	29.81	−.09	48	44	− 5	NNE	4	c	*	b	*	59	43	—
	Hernösand ...	29.86	46	N	2	b	29.88	−.01	49	43	− 4	NNW	6	bc	*	b	*	63	37	—
	Stockholm ...	29.81	53	E	2	b	29.81	−.10	55	48	+ 1	NNE	2	o	*	b	*	64	45	—
	Wisby	29.75	47	ESE	4	b	29.71	−.14	48	47	0	NE	4	r	*	b	*	54	37	—
	Karlstad ...	29.75	61	2	0	bc	29.84	−.07	55	49	0	NNE	4	b	*	bc	*	*	*	—
	Bodö	30.02	41	N	4	r	30.03	−.01	42	38	− 1	N	4	c	2	r	*	46	37	0.16
	Christiansund ...	30.05	45	ENE	3	c	30.04	−.06	43	41	− 4	ENE	3	b	3	c	*	50	43	—
	Skudesnaes ...	29.78	50	NNW	7	b	29.79	−.14	51	50	+ 10	2	0	b	1	b	*	63	39	*
	Færder (Christiania Fjord)	29.75	59	W	1	b	29.84	−.06	51	46	− 3	NNE	5	b	3	b	*	61	50	—
	Skagen (The Scaw)	29.75	55	NNE	1	b	29.74	−.14	56	52	0	NE	2	bc	0	b	*	64	54	—
	Fanö	29.66	59	E	1	c	29.61	−.19	55	55	− 1	NE	3	r	*	c	*	66	52	0.24
British Islands.	Sumburgh Head	30.01	45	NE	3	c	29.99	−.06	46	42	− 1	NE	4	bc	5	c	*	48	42	—
	Stornoway ...	29.96	53	E	3	b	30.01	.00	50	49	+ 1	E	2	bc	2	b	13.7	56	43	—
	Wick	30.03	48	E	3	o	30.03	−.02	47	46	+ 2	E	3	o	1	o	*	52	43	—
	Nairn	29.98	48	E	1	b	30.03	.00	47	44	+ 2	E	1	o	1	b	*	53	41	—
	Aberdeen ...	29.97	49	NNE	3	b	29.99	−.04	51	45	+ 6	N	4	bq	3	bq	7.0	53	42	—
	Leith	29.97	50	E	2	b	29.98	−.04	53	48	+ 9	ESE	1	b	*	b	*	53	43	—
	Shields	29.94	45	N	3	o	29.94	−.07	46	44	+ 3	N	4	o	4	o	*	47	41	—
	Spurn Head ...	29.86	45	N	4	o	29.86	−.08	46	45	0	NNW	4	o	4	o	*	47	43	—
	York	29.91	51	NNE	2	bc	29.89	−.10	50	45	+ 1	NNW	2	b	*	bc	11.1	54	38	—
	Loughborough ...	29.86	57	NE	3	b	29.89	−.08	46	42	+ 1	N	2	bc	*	bc.b.o.c	*	62	41	—
	Ardrossan ...	29.89	63	NNE	2	bm	29.95	−.03	54	52	+ 2	NNW	1	b	1	bm	*	66	42	—
	Malin Head ...	29.90	58	E	2	bm	29.93	−.03	53	51	− 5	E	3	bm	2	bm	*	61	47	—
	Belmullet ...	29.88	61	NE	1	b	30.00	+.06	52	50	+ 2	ENE	1	b	*	b	*	69	46	—
	Donaghadee ...	29.90	63	NW	2	b	29.95	−.04	48	45	− 6	NNE	3	b	1	b	*	63	41	—
	Liverpool (Bidston)	29.85	61	NNW	1	b	29.89	−.06	50	44	− 5	E	1	b	?	b	*	61	39	—
	Holyhead ...	29.88	52	NW	1	b	29.92	−.03	49	45	− 7	NE	3	bm	2	b	*	59	44	—
	Parsonstown ...	29.85	66	E	1	b	29.92	−.01	55	49	− 1	N	1	b	*	b	11.9	69	36	—
	Valencia ...	29.86	60	S	2	cm	29.87	−.03	58	54	− 2	2	0	bm	1	cm	8.0	64	62	—
	Roche's Point ..	29.88	57	ESE	2	b	29.85	−.08	56	52	− 1	ENE	2	b	2	b	*	60	45	—
	Pembroke (St. Ann's Hd.)	29.82	59	NE	3	b	29.83	−.07	55	52	− 1	SE	1	b	1	b	14.3	63	49	—
	Scilly	29.80	57	N	2	b	29.77	−.04	57	51	+ 2	ENE	2	b	0	b	14.5	62	50	—
	Prawle Point ...	29.77	57	ENE	3	b	29.80	−.01	48	45	− 7	ENE	4	c	3	b,c	*	63	49	—
	Jersey (St. Aubin's)	29.71	58	ENE	5	bm	29.76	+.01	51	49	− 6	NE	4	cm	3	bc.bm	*	60	49	—
	Hurst Castle ...	29.77	61	NE	3	bcm	29.81	−.02	52	49	− 5	NE	3	bcm	2	cm.bc	*	64	47	—
	Dungeness ...	29.77	53	NE	5	b	29.76	−.05	50	48	+ 1	NNW	3	c	2	bc.b	*	55	44	—
	North Foreland	29.79	48	NE	4	bc	29.79	−.07	47	45	− 1	NW	4	o	2	o.bc	*	50	44	—
	London (Brixton) ...	29.82	54	ENE	2	b	29.83	−.05	48	44	− 6	NE	2	b	*	bc.b	13.7	63	47	—
	Oxford	29.83	50	NE	2	b	29.86	−.05	45	42	− 2	NE	3	o	*	b	*	62	40	—
	Cambridge ...	29.86	49	NNE	3	c	29.85	−.08	46	44	− 1	NNE	3	o	*	c	3.8	56	43	—
	Yarmouth ...	29.81	48	N	4	c	29.78	−.10	47	45	0	NNW	4	c	4	bc,c	*	50	44	—
Germany & Holland.	Cuxhaven ...	29.64	57	WNW	1	tlr	29.57	−.19	54	53	+ 2	SE	1	bc	*	tlr	*	61	50	0.16
	Berlin	29.61	54	NW	5	o	29.56	−.20	52	51	0	NW	4	o	*	o	*	57	50	0.71
	Wiesbaden ...	*	*	*	*	*	29.61	−.08	56	52	− 2	NW	1	b	*	*	*	70	50	—
	Munich	29.60	57	W	4	o	29.54	−.13	55	55	+ 1	SW	2	o	*	o	*	64	52	0.04
	The Helder ...	29.72	50	N	4	o	29.66	−.15	49	47	− 2	N	5	b	3	o	*	52	48	—
Belgium.	Brussels ...	*	*	*	*	*	29.70	−.08	48	48	− 8	NW	3	o	*	o	*	64	47	—
	Cape Gris Nez ...	29.77	47	ENE	5	c	29.76	−.04	48	46	− 2	NE	5	o	5	c	*	55	45	—
	Paris	29.63	46	NNE	4	b	29.71	+.02	50	47	− 6	NNE	3	o	*	b	*	70	48	—
	Brest	29.67	58	NE	5	bc	29.70	+.01	51	48	− 8	NE	4	b	2	bc	*	66	45	—
	Lorient	29.65	63	ENE	4	bc	29.66	+.02	51	50	− 4	ENE	5	bc	3	bc	*	70	48	—
France &	Rochefort ...	29.60	63	NW	3	r	29.57	+.01	56	55	− 4	ENE	4	o	*	tlr	*	72	54	0.71
	Belfort	29.53	58	E	1	o	29.55	−.07	55	53	0	E	2	m	*	o	*	65	53	0.08
	Lyons														*		*			
	Nice	29.56	59	2	0	c	29.52	−.15	60	51	+ 4	2	0	bc	0	c	*	63	54	0.59
	Perpignan ...	29.61	61	NE	2	o	29.59	+.01	64	59	+ 3	W	2	bc	*	o	*	69	53	0.47
	Biarritz ...	29.61	60	W	4	o	29.58	−.01	60	59	0	W	4	o	2	o	*	64	51	—
Peninsula.	Corunna ...	29.71	61	NW	3	bc	29.68		58	57		NW	3	o	3	bc	*	63	55	—
	Lisbon	29.64	61	NW	4	b	29.66	−.03	63	58	0	NW	4	o	*	b	*	70	59	0.04
	Azores (P. Delgada)	30.24	58	N	5	c	30.26	+.13	58	51	− 1	NNE	4	c	5	c	*	64	55	0.21

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 14.5 hrs;

WEATHER CHARTS

FOR SUNDAY, 23rd MAY, 1897.

BAROMETER, WIND AND SEA.

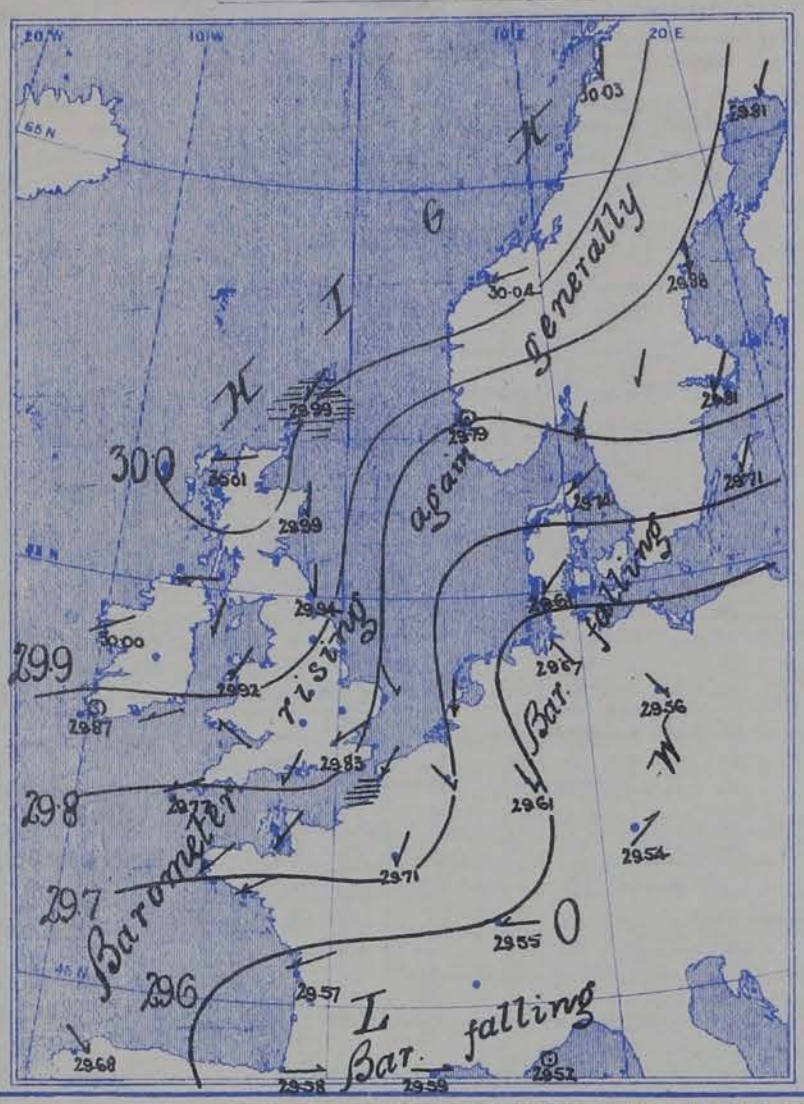
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▬

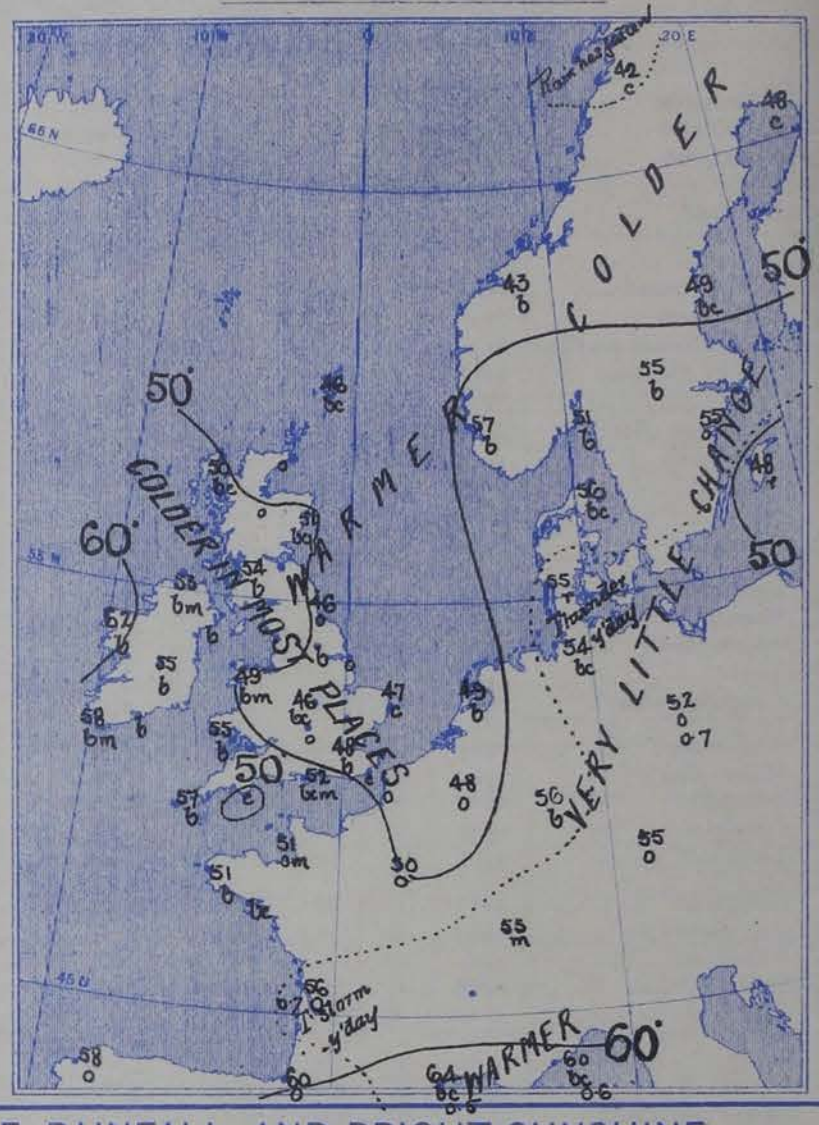


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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, 300 m/m and upwards in the west of Norway and the extreme north of Scotland.
Lowest, 296 m/m and less over Germany and the southern parts of France.
Gradients slight. Barometer rising a little in most parts of our Islands, as well as in Scandinavia, but falling elsewhere.

TEMPERATURE

Highest (1) 64° at Perpignan, 63° at Lisbon, and 60° at Nice and Biarritz; (2) 62° at Belmullet, and 58° at Valencia (Ireland)
Lowest, 42° at Bodo; 43° at Christiansund, 45° at Oxford, and 46° at Scarborough, Shields, Loughborough and Cambridge.
During yesterday the thermometer rose to 65° and upwards at a few of our eastern stations and to 69° at Lowestoft; on our north east, and southeast coasts, however, it did not reach 55° and at Shields and Spurn Head it only rose to 47°.

WIND

Light to moderate from the N^W or NE^W over northwestern Europe as a whole, but E^ly in Ireland and the north of Scotland.
Rather variable in Germany; W^ly in the south of France; NW^ly on the Portugese coasts.

WEATHER

Fine over northwestern Europe generally, but dull on the east coasts of England.
Dull at many stations in France, Germany, Denmark, and the south of Sweden, with rain at Tromso and Wisby; fine in the extreme south of France.
Rain fell yesterday at several of the Continental stations — heavily in some parts of France and Germany. A thunderstorm occurred at Rochefort and thunder only at Cuxhaven.

SEA

Slight or smooth generally, but moderate on the east and southeast coasts of England, and rather rough at Lowestoft and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 24TH MAY, 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH		6 SCOTLAND WEST	
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	NONE ISSUED	8 ENGLAND S.W.	NONE ISSUED.
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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.86	63	52	NNW	4	b	1	Valencia	29.88	58	54	WSW	2	cm	3
Sumburgh Head	30.02	47	44	NE	3	o	4	Scilly	29.81	58	53	ENE	2	b	0
Stornoway	29.98	56	54	E	1	b	1	Jersey	29.74	58	54	ENE	6	be	4
Aberdeen	30.00	49	45	NE	4	bq	4	Hurst Castle ...	29.80	62	58	ENE	2	cm	2
Shields	29.98	46	43	N	2	o	3	Dungeness ...	29.79	54	51	NE	5	be	4
Ardrossan	29.91	65	60	NE	2	bm	1	North Foreland	29.81	49	47	NE	4	o	3
Malin Head ...	29.93	60	55	E	2	b	0	London (Westminster)	29.83	60	53	NE	4	be	#
Belmullet	29.99	66	57	N	1	b	#	Yarmouth ...	29.85	50	46	NNE	4	be	4
Holyhead	29.91	54	50	NNE	3	b	2	Rochefort ...	29.59	66	64	NE	3	m	#

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

Weather in mainly fine in all the more western and southern parts of the United Kingdom, as well as over the north of France, the Netherlands, Denmark, Scandinavia, Austria, and southern Italy. Cloudy or dull elsewhere, with rain in the east and south of France, as well as at Rome and Neufahrwasser. Rain falling later in many parts of the Continent — heavily at some of the French and German stations; thunderstorm occurring at Rochefort, and thunder only at Carthaven.

Temperature fallen over England and the western and southern parts of the Continent generally; risen in most other localities. Morning readings highest 75° at Sfax, 71° at La Calle, 71° at Algiers, and 67° at Barcelona, Brindisi, Nemours and Venice; above 60° over southern and Eastern Europe generally, and just touching that point on the west coasts of Ireland. Lowest 43° at Shields and Bodö, 44° at Leith, and 45° at Wick, Nairn, Aberdeen, and Loughborough. Daily maxima below 55° on our own north and east coasts generally, and as low as 47° at Shields and Spurn Head; thermometer exceeding 65° at some of our western stations, and reaching 70° or more in several parts of France and Germany.

Wind NE^{2} (N to E) over our Islands and the northern parts of the Continent generally; light or moderate in force in most places, but fresh or strong at some of the English Channel stations. Light and variable in most of the southern countries, but SE^{3} at the Adriatic stations. Subsequently becoming variable in Ireland; no important change taking place in any other part of Western Europe.

Barometer highest 30·10 in: at Christiansund; 30·0 in: and upwards in an anticyclone covering the whole of the west of Norway, the northern part of the North Sea, Scotland, and the northeast of England. Lowest 29·6 in: and less, in two shallow depressions, — one lying over the northeast of Spain and the southwestern parts of France and the other over the south of Russia. French depression subsequently moving slowly northeastwards; barometer falling slowly in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. 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 Monday, 24 May, 1897.

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 ...	29.77	43	N	4	c	29.80	-.01	43	37	- 5	N	6	c	*	c	*	57	39	0.04
	Hernösand ...	29.86	48	SW	0	bc	29.91	+.03	46	41	- 3	NW	6	c	*	bc	*	61	41	-
	Stockholm ...	29.84	48	NNE	2	b	29.86	+.05	51	45	- 4	NE	4	b	*	b	*	57	45	-
	Wisby	29.78	45	E	4	b	29.80	+.09	43	41	- 5	NE	4	b	*	b	*	48	37	0.91
	Karlstad ...	29.82	58	NE	2	b	29.89	+.05	53	45	- 2	ENE	2	b	*	b	*	*	*	-
	Bodö	30.05	41	N	4	c	30.03	.00	41	37	- 1	W	4	c	2	c	*	63	36	-
	Christiansund ...	30.03	46	ENE	3	b	29.99	-.05	46	41	+ 3	NE	6	b	4	b	*	50	41	-
	Skudesnaes ...	29.88	51	NW	2	b	29.90	+.11	45	43	- 12	NW	2	c	1	b	*	64	43	*
	Færder (Christiania Fjord)	29.82	60	N	2	b	29.89	+.05	51	45	0	N	4	b	2	b	*	61	50	-
	Skagen (The Scaw)	29.83	57	NE	1	bc	29.88	+.14	57	54	+ 1	SSE	1	b	0	b	*	64	52	-
	Fanö	29.76	56	ENE	2	c	29.82	+.21	53	50	- 2	ENE	3	b	*	c	*	63	50	0.04
	Sumburgh Head	30.05	46	NE	4	bc	30.04	+.05	44	40	- 2	NE	1	0	4	bc	*	49	41	-
	Stornoway ...	30.05	51	ENE	5	b	30.08	+.07	49	48	- 1	E	3	c	3	b	15.0	52	42	-
	Wick	30.07	48	N	3	0	30.06	+.03	47	45	0	N	3	0	2	0	*	52	43	-
	Nairn	30.05	50	E	1	bc	30.07	+.04	47	43	0	E	1	c	1	bc	*	55	42	-
	Aberdeen ...	30.04	48	N	4	bcq	30.06	+.07	47	42	- 4	N	2	c	2	bcq	14.1	56	43	-
	Leith	30.00	56	E	3	b	30.05	+.07	47	43	- 6	ENE	3	0	*	b	*	59	43	-
	Shields	29.97	46	NNE	3	0	30.08	+.14	44	42	- 2	NNE	3	0	3	0	*	50	41	-
	Spurn Head ...	29.87	46	N	6	0	29.94	+.08	45	45	- 1	N	5	0	5	0	*	50	44	-
	York	29.90	55	N	3	b	30.00	+.11	48	44	- 2	N	2	c	*	b	14.6	62	42	-
	Loughborough ...	29.86	63	N	4	b	29.98	+.09	47	44	+ 1	N	3	om	*	bc.b.o	*	67	44	-
British Isl.	Ardrossan ...	30.04	65	NE	1	bm	30.04	+.09	50	49	- 4	NNE	1	bcm	1	bm	*	67	43	-
	Malin Head ...	30.10	55	N	2	b	30.03	+.10	53	52	0	W	3	cm	1	b	*	64	48	-
	Belmullet ...	30.12	57	NE	3	b	30.08	+.08	53	51	- 9	NNE	3	0	*	b	*	64	47	-
	Donaghadee ...	29.96	58	NNW	3	b	30.05	+.10	49	47	+ 1	W	3	c	1	b	*	62	38	-
	Liverpool (Bidston)	29.89	58	NNW	1	b	29.99	+.10	49	44	- 1	SW	0	b	?	b	*	59	40	-
	Holyhead ...	29.92	52	NNE	3	b	30.00	+.08	51	48	+ 2	NE	2	bm	2	b	*	52	44	-
	Parsonstown ...	29.92	65	SW	0	b	30.04	+.12	56	50	+ 1	NE	1	b	*	b	12.4	68	40	-
	Valencia ...	29.92	65	N	5	bm	30.02	+.15	60	51	+ 2	NE	1	bm	1	bm	14.7	68	46	-
	Roche's Point ..	29.91	56	ESE	3	b	30.01	+.16	60	54	+ 4	ENE	1	b	2	b	*	65	46	-
	Pembroke (St. Ann's Hd.)	29.86	56	N	3	b	29.94	+.11	53	51	- 2	E	2	b	1	b	13.8	59	49	-
	Scilly	29.85	55	NNE	3	b	29.90	+.13	57	53	0	NNE	3	b	2	b	14.1	57	50	-
	Prawle Point ...	29.80	60	NE	3	bc	29.90	+.10	53	50	+ 5	ENE	4	b	3	bc	*	62	47	-
	Jersey (St. Aubin's)	29.77	58	ENE	3	bm	29.87	+.11	52	49	+ 1	NE	3	cm	3	o.bm	*	58	48	-
	Hurst Castle ...	29.78	65	NE	3	b	29.89	+.08	52	50	0	NNE	4	om	3	b	*	67	45	-
	Dungeness ...	29.77	54	E	3	b	29.80	+.04	51	50	+ 1	N	5	op	4	b	*	63	46	-
	North Foreland	29.77	51	N	5	0	29.82	+.03	51	50	+ 4	N	4	p	4	bc.b	*	56	46	0.04
	London (Brixton) ...	29.80	62	NE	3	b	29.90	+.07	48	46	0	NE	3	oq	*	b.c	?	66	46	-
	Oxford	29.84	56	NE	2	b	29.94	+.08	47	45	+ 2	NE	2	o	*	b.o	*	67	43	-
	Cambridge ...	29.84	55	NNE	4	b	29.93	+.08	47	46	+ 1	N	4	o	*	b	10.1	62	45	-
	Yarmouth ...	29.78	50	N	5	c	29.85	+.07	51	49	+ 4	N	5	bc	4	c	*	52	46	-
Germany & Holland.	Cuxhaven ...	29.58	59	NNE	2	c	29.74	+.17	53	50	- 1	E	5	o	*	tlr.c.r	*	61	52	0.39
	Berlin	29.56	59	NW	4	r	29.63	+.07	49	48	- 3	NW	4	r	*	r	*	63	48	0.04
	Wiesbaden ...	*	*	*	*	*	29.68	+.07	56	53	0	NW	1	c	*	*	*	61	50	-
	Munich... ..	29.62	57	SW	0	bc	29.68	+.14	56	53	+ 1	E	2	b	*	bc	*	64	45	-
	The Helder ...																*			
Belgium. France &	Brussels ...	*	*	*	*	*	29.72	+.02	55	52	+ 1	NE	2	o	*	o	*	61	47	0.08
	Cape Gris Nez...	29.77	50	ENE	5	m	29.76	.00	51	50	+ 3	NE	6	r	6	m	*	55	45	-
	Paris	29.70	62	NNE	2	b	29.76	+.05	49	48	- 2	NNW	2	b	*	?	*	64	45	-
	Brest	29.74	55	NE	4	bc	29.84	+.14	53	51	+ 2	NNE	1	b	0	bc	*	63	45	-
	Lorient... ...	29.70	59	NNE	5	bc	29.82	+.16	52	50	+ 1	NE	4	b	2	be	*	66	45	-
	Rochefort ...	29.59	64	NE	3	0	29.71	+.14	54	51	- 2	NE	4	c	*	0	*	66	50	-
	Belfort	29.53	62	NE	2	0	29.64	+.09	51	49	- 4	SW	0	m	*	0	*	66	46	-
	Lyons	29.56	62	NNW	1	0	29.67		53	52		N	1	r	*	tlr.o	*	74	51	0.32
	Nice	29.54	59	SSE	2	c	29.60	+.08	60	57	0	ENE	1	c	1	c	*	70	55	-
	Perpignan ...	29.56	64	S	2	0	29.66	+.07	62	58	- 2	W	1	o	*	0	*	?	?	0.08
	Biarritz ...	29.59	61	W	4	0	29.66	+.08	59	58	- 1	WSW	5	r	4	0	*	66	59	-
Penin-sula.	Corunna ...																*			
	Lisbon	29.81	59	WNW	3	b	29.84	+.18	62	57	- 1	S	2	o	*	b	*	68	57	0.04
	Azores (P. Delgada)	30.21	56	W	5	0	30.15	-.11	58	51	0	N	5	bc	3	0	*	63	54	0.12

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 15.0 hrs;

WEATHER CHARTS

FOR Monday, 24th May, 1897.

BAROMETER, WIND AND SEA.

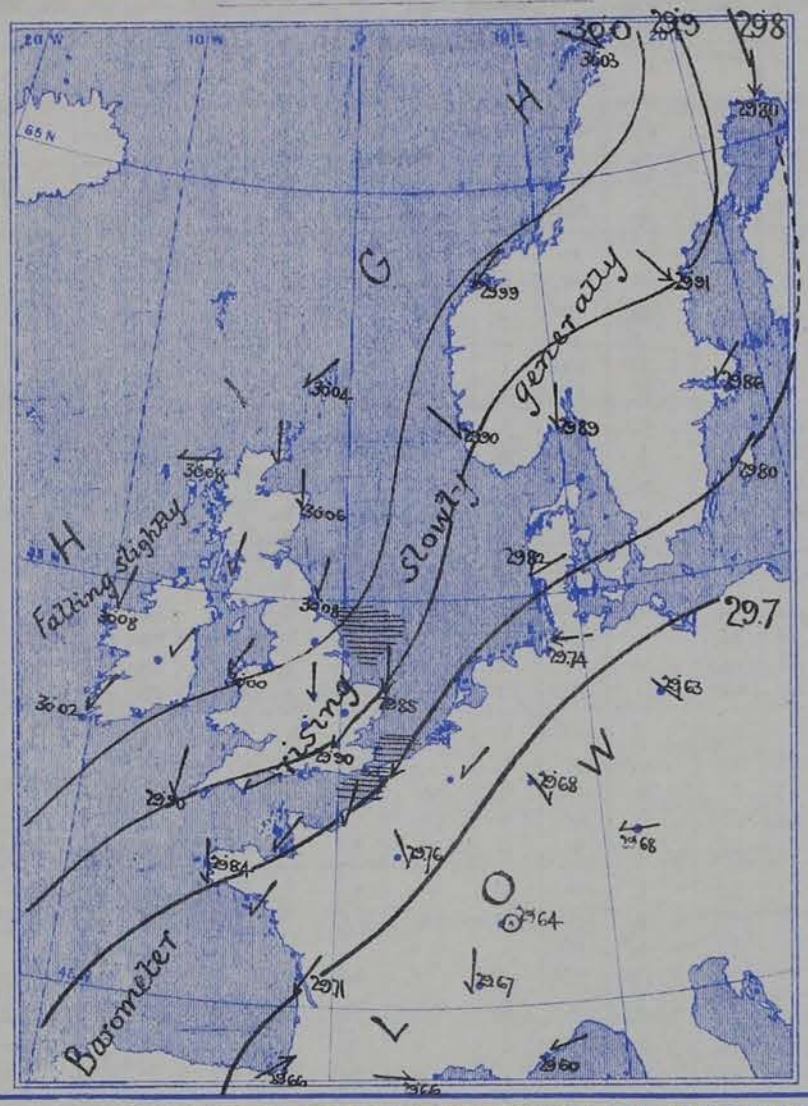
BAROMETER—Isobars are drawn for each tenth of an inch.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 . 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 upwards, over Ireland, the northern parts of Great Britain and the northwest of Norway.
Lowest, 29·7 ins: and less, over Germany and the central and southern parts of France.
Gradients slight. Barometer rising a little in most places, but falling on our extreme northwest coasts and also in the west of Norway.

TEMPERATURE

Highest (1) 62° at Perpignan and Lisbon, 60° at Nice and 59° at Biarritz; (2) 60° at Valencia (Ireland) and Rocket Point.
Lowest, 41° at Bodö, 43° at Haparanda and Wicky, 44° at Lerwick, Hr. and Shields, and 45° at Skudesnaes
During yesterday the thermometer rose to 65° and upwards at many of our central and southern stations; on our north and east coasts, however, it remained as a rule below 55°, and at Shields and Spurn Head it did not exceed 50°.

WIND

N. or NE. over Western Europe as a whole; light or moderate in force in most places, but fresh on the east and southeast coasts of England, and strong at some of the Scandinavian stations.
NW. in many parts of Germany, and W. in the extreme south of France, as well as in the north of Ireland.

WEATHER

Fine over Western Europe as a whole, but dull over North Germany, the Netherlands, and the eastern and central parts of England, with rain at Berlin and Cape Gris Nez, and passing showers on the Kentish coasts.
Dull also in the south of France, with rain at Lyons and Biarritz.
Thunderstorms occurred yesterday at Cuxhaven and Lyons, and heavy rain at Wicky.

SEA

Rough at Cape Gris Nez and rather rough at Spurn Head, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 25th MAY 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE. winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	N. and NE. winds, moderate; fair generally, but cloudy in places
6	SCOTLAND WEST	NE. winds, light; fine generally.
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 ...	29.84	64	52	N	4	6	1	Valencia							
Sumburgh Head								Scilly							
Stornoway	30.05	52	51	E	4	6	4	Jersey	29.77	53	51	NE	4	0	3
Aberdeen								Hurst Castle ...							
Shields								Dungeness ...	29.76	60	55	E	3	6	2
Ardrossan								North Foreland	29.78	54	51	NE	3	6c	3
Malin Head ...	29.98	57	55	N	2	6	1	London (Westminster)							*
Belmullet	30.00	62	58	NNE	2	6	*	Yarmouth ...							
Holyhead								Rochefort ...	29.58	64	62	NE	4	0	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 16TH TO THE 22ND MAY 1897.

Throughout nearly the whole of this period the weather over our Islands has been under the influence of a large anticyclone, the central portion of which has lain for the most part over the coast of Norway and the adjacent portions of the North Sea. The prevailing winds have therefore been NE (N to E) and the weather mostly fair and dry, especially in the western and southern districts, where a large amount of bright sunshine was registered. In the northern and eastern parts of Great Britain, however, the sky has been, as a rule, very cloudy, and temperature low for the time of year, the daily maxima on our northeast coast being frequently below 50°. In other portions of the United Kingdom the thermometer has, as a rule, risen above 65° and in some instances above 70°, a reading of 76° being recorded in London on the 18th.

In the south of our Islands the weather has been affected by shallow depressions lying over France and Spain. These have produced occasional thunderstorms and rain in the former country, the unsettled weather spreading in some instances to the stations on our own side of the English Channel.

During the latter part of the week a gradual decrease of pressure was reported, but the change was too uniform to result in any material alteration, either as regards wind or weather.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 25th May, 1897.

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	41	NW	2	c	29.71	— .09	43	38	0	NW	4	bc	#	c	#	50	34	—
	Hernösand ...	29.86	44	S	4	bc	29.79	— .12	49	42	+ 3	S	2	bc	#	bc	#	54	37	—
	Stockholm ...	29.92	46	NNE	2	b	29.91	+ .05	54	44	+ 3	E	2	b	#	b	#	57	41	—
	Wisby	29.89	41	ENE	4	b	29.89	+ .09	42	41	— 1	NE	4	b	#	b	#	52	36	—
	Karlstad ...	29.84	56	W	2	b	29.84	— .05	52	46	— 1	S	4	b	#	b	#	#	#	—
	Bodö	29.95	40	W	4	c	?	?	40	37	— 1	WSW	4	r	2	c	#	?	?	—
	Christiansund ...	29.89	48	NE	5	b	29.75	— .24	47	43	+ 1	NE	4	b	3	b	#	52	43	—
	Skudesnaes ...	29.82	46	SW	2	o	29.78	— .12	45	42	0	SSW	4	r	2	b,o	#	52	43	#
	Færder (Christiania Fjord)	29.82	56	SSW	2	b	29.78	— .11	56	54	+ 5	SSE	2	b	1	b	#	59	50	—
	Skagen (The Scaw)	29.84	57	L	0	b	29.82	— .06	49	49	— 8	WNW	2	f	0	b	#	79	46	—
	Fanö	29.84	53	NNW	2	b	29.82	.00	49	48	— 4	NNE	2	f	#	b	#	73	46	—
	Sumburgh Head	29.94	45	N	1	o	29.76	— .28	44	43	0	L	0	o	3	o	#	50	43	—
	Stornoway ...	29.97	48	ENE	3	o	29.77	— .31	48	47	— 1	L	0	c	2	o	5.3	52	40	—
	Wick	29.95	47	N	1	o	29.77	— .29	47	46	0	S	1	o	0	o	#	49	42	—
	Nairn	29.95	50	E	1	c	29.78	— .29	48	45	+ 1	L	0	c	0	c	#	54	42	—
	Aberdeen ...	29.97	44	NE	1	og	29.78	— .28	43	42	— 4	SSE	3	org	2	og	0.1	50	42	0.31
	Leith	29.94	52	E	3	o	29.75	— .30	47	46	0	WSW	3	om	#	o	#	55	45	—
	Shields	29.98	46	NNE	3	b	29.79	— .29	43	43	— 1	SSW	2	om	3	c,b,r	#	48	41	—
	Spurn Head ...	29.94	46	NNE	3	c	29.82	— .12	46	45	+ 1	ESE	2	o	3	c	#	49	41	—
	York	29.95	50	E	2	b	29.82	— .18	46	43	— 2	S	1	o	#	b	11.1	60	39	—
	Loughborough ...	29.93	52	E	3	b	29.84	— .14	48	46	+ 1	WSW	1	om	#	o,bc,om	#	65	42	—
British Isl.	Ardrossan ...	29.90	55	NW	1	cf	29.74	— .30	49	49	— 1	W	3	om	2	bcf,cf	#	60	45	0.03
	Malin Head ...	29.95	52	NW	3	ogm	29.81	— .22	49	46	— 4	NNW	3	o	2	c,ogm,r	#	60	46	0.06
	Belmullet ...	30.03	54	N	2	o	29.89	— .19	49	48	— 4	NNW	2	o	#	c,o	#	56	46	—
	Donaghadee ...	29.95	56	SSW	2	m	29.81	— .24	51	49	+ 2	WNW	3	o	1	m	#	56	47	—
	Liverpool (Bidston)	29.94	53	WNW	2	b	29.79	— .20	53	49	+ 4	L	0	o	1	b	#	58	46	—
	Holyhead ...	29.96	51	NW	2	b	29.83	— .17	52	51	+ 1	W	1	om	1	b	#	53	47	—
	Parsonstown ...	29.93	69	L	0	b	29.86	— .18	50	48	— 6	L	0	od	#	b	12.8	70	46	—
	Valencia ...	29.99	57	NW	4	bm	29.91	— .11	53	49	— 7	NW	3	omg	3	bm	14.7	61	49	—
	Roche's Point ...	30.00	58	SE	2	b	29.89	— .12	55	51	— 5	NNW	3	bc	3	b	#	63	48	—
	Pembroke (St. Ann's Rd.)	29.94	59	W	1	b	29.86	— .08	55	54	+ 2	W	2	b	1	b	14.6	60	50	—
	Scilly	29.95	55	E	2	b	29.90	.00	57	53	0	SSW	2	bcr	0	b	13.1	60	49	0.01
	Prawle Point ...	29.93	56	WNW	3	b	29.88	— .02	58	55	+ 5	NW	2	bc	2	b	#	63	49	—
	Jersey (St. Aubin's)	29.91	59	NNE	3	bcm	29.91	+ .04	58	54	+ 6	ESE	3	bcmr	3	c,bcm	#	59	48	—
	Hurst Castle ...	29.90	63	NNE	3	b	29.88	— .01	56	54	+ 4	SSW	1	bcm	1	bm,b	#	65	46	—
	Dungeness ...	29.85	57	NNE	4	b	29.88	+ .08	55	48	— 1	SSW	1	o	1	b	#	61	40	—
	North Foreland	29.89	51	N	4	bc	29.89	+ .07	46	45	— 5	E	2	o	2	bc	#	55	44	0.01
	London (Brixton) ...	29.91	54	NE	2	b	29.86	— .04	48	46	0	SW	1	o	#	o,bc,b	5.6	60	43	—
	Oxford	29.93	54	E	1	b	29.84	— .10	56	52	+ 9	WSW	2	bc	#	b	#	62	43	—
	Cambridge ...	29.95	50	N	3	o	29.84	— .09	49	47	+ 2	N	1	o	#	o	0.0	53	42	—
	Yarmouth ...	29.90	48	N	4	c	29.84	— .01	46	45	— 5	WSW	2	cg	4	c	#	52	44	—
Germany & Holland.	Cuxhaven ...	29.80	58	E	5	b	29.81	+ .07	51	48	— 2	ESE	2	bc	#	b	#	59	48	—
	Berlin	29.78	51	NNE	2	o	29.76	+ .13	50	46	+ 1	NNE	2	o	#	o	#	57	46	0.04
	Wiesbaden ...	#	#	#	#	#	29.75	+ .07	57	54	+ 1	NW	2	o	#	#	#	64	50	—
	Munich	29.69	59	L	0	c	29.80	+ .12	49	49	— 7	W	4	r	#	c	#	66	48	0.12
	The Helder ...	29.82	53	NNE	5	b	29.83		49	46		N	2	o	1	b	#	57	46	—
Belgium.	Brussels ...	#	#	#	#	#	29.83	+ .11	50	48	— 5	NNE	1	o	#	o	#	62	48	0.20
	Cape Gris Nez ...	29.86	51	NE	6	m	29.88	+ .12	48	46	— 3	ENE	3	o	4	m	#	55	45	—
	Paris	29.78	58	N	3	o	29.86	+ .10	52	50	+ 3	N	2	m	#	o	#	64	49	—
	Brest	29.89	57	ENE	2	b	29.94	+ .10	50	49	— 3	L	0	m	0	b	#	64	45	—
	Lorient	29.89	56	ENE	2	c	29.91	+ .09	52	50	0	NE	2	c	2	c	#	68	45	—
France &	Rochefort ...	29.79	66	NE	4	b	29.83	+ .12	55	54	+ 1	N	3	o	#	b	#	73	52	—
	Belfort	29.65	60	SW	3	bc	29.78	+ .14	50	49	— 1	WSW	3	m	#	bc	#	68	46	—
	Lyons	29.72	62	NE	1	bc	29.81	+ .14	56	52	+ 3	NE	1	bc	#	bc	#	66	49	—
	Nice	29.63	59	NE	4	r	29.69	+ .09	60	58	0	L	0	bc	1	r	#	68	55	0.04
	Perpignan ...	29.73	63	NW	2	o	29.80	+ .14	63	57	+ 1	W	3	o	#	o	#	78	57	0.24
	Biarritz ...	29.82	61	W	4	o	29.84	+ .18	58	56	— 1	SW	3	c	3	o	#	63	56	—
Peninsula.	Corunna ...																#			
	Lisbon	29.93	57	NW	3	bc	29.89	+ .05	57	54	— 5	ENE	4	o	#	bc	#	66	52	—
	Azores (P. Delgada)	30.24	59	N	4	o	30.24	+ .09	59	54	+ 1	N	3	o	3	o	#	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. 14.0 *hrs;*

WEATHER CHARTS

FOR Tuesday, 25th May, 1897.

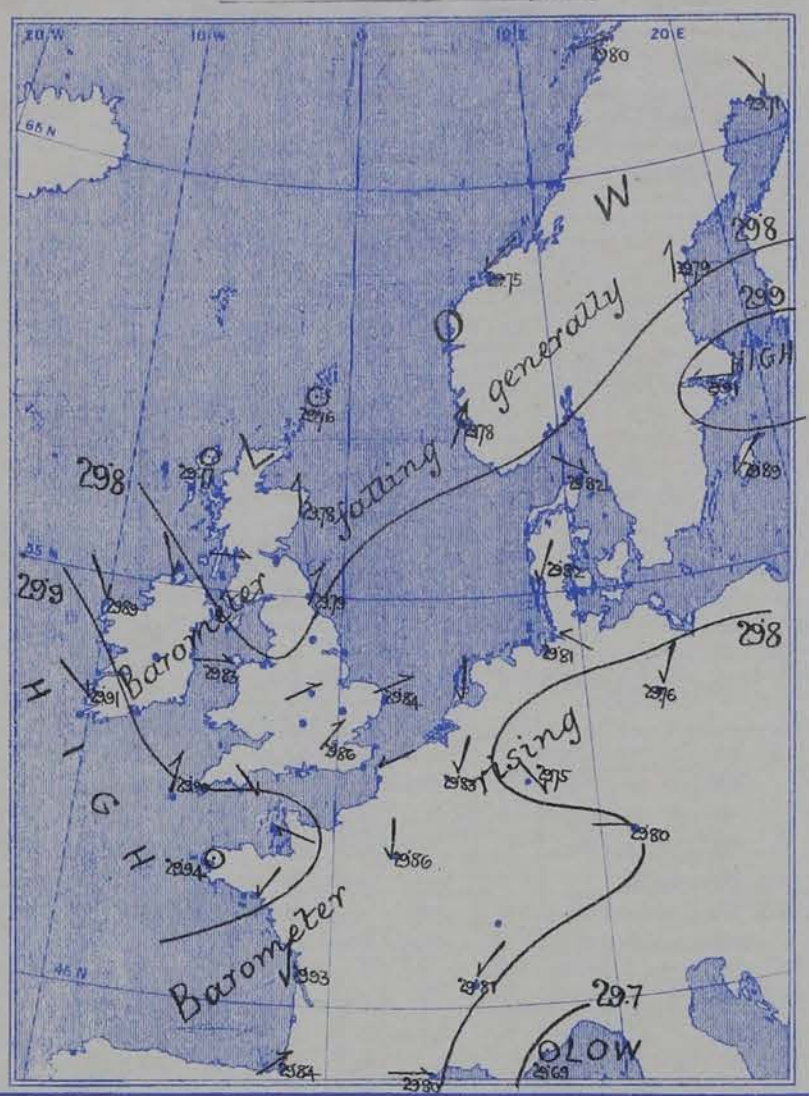
BAROMETER, WIND AND SEA.

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*

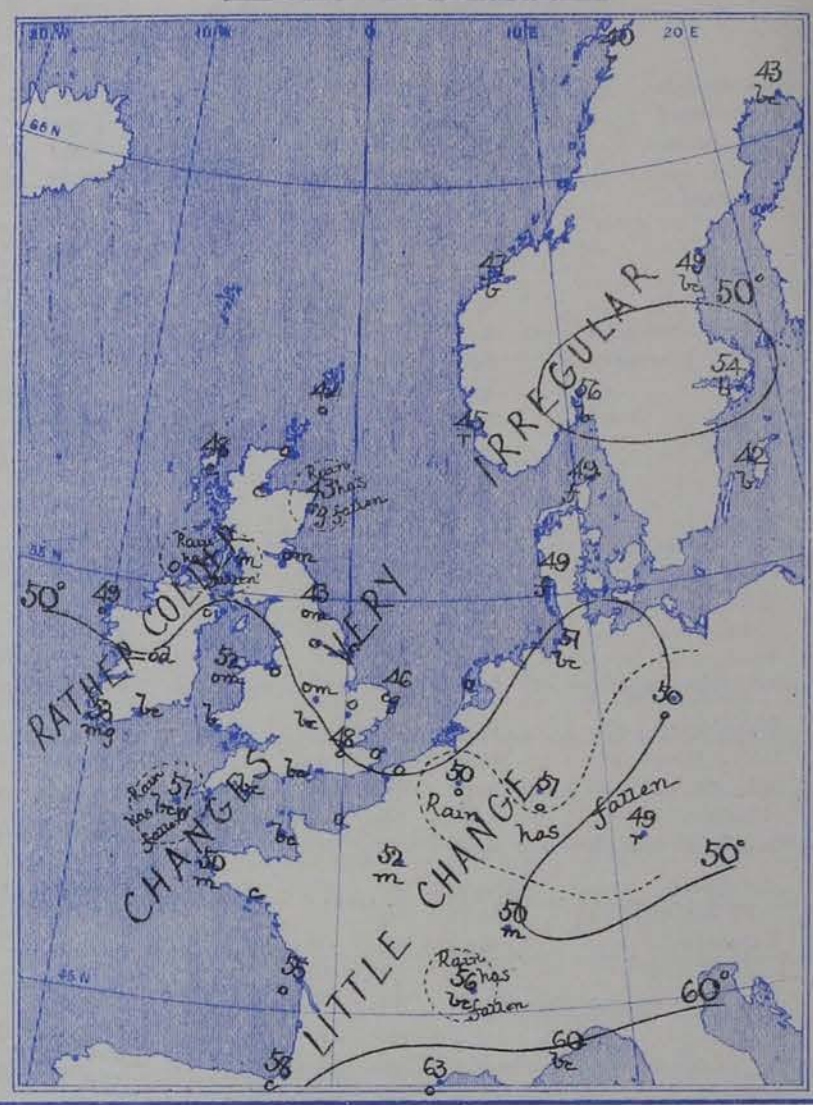


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 over the extreme SW. of our Islands and the neighbouring parts of the Atlantic, and exceeding 29.9 ins. at Stockholm also.
Lowest Below 29.8 ins. over Norway, Scotland and the N. of England, as well as over Germany; and below 29.7 ins. over the Riviera.
Gradients slight and very irregular; Barometer falling fast in the north, and rising somewhat in the south, but the fall appeared to be spreading all over the Kingdom.

TEMPERATURE — Highest 60° at Nice and above 50° over France and the S^rn. and SW^rn. parts of our Islands.
Lowest 40° to 43° at the stations in Lapland, 43° at Shields and Aberdeen, 44° at Sandwigh N^d., 46° at Yarmouth and the North Foreland.
During yesterday it rose to 70° at Parsonstown, to 65° at Loughborough and Hurst Castle, and to 62° at Oxford. At Berlin the maximum was only 57°, at Paris 64°, at Nice 68° and at Rochefort 73.

WIND — Wind had become light in force — NW. 4 over Ireland, very variable from the SW. 2nd and S. 2nd over England, N. 4 to NE. 4 over the Bay of Biscay and France. The change from N. to SW. had taken place very suddenly over England during the night.

WEATHER — Still fair in most places, but more cloudy and less settled than of late, while at Aberdeen rain was falling, mist was prevalent in the west and south.
Rain had fallen, locally, in several parts of our area — the largest amount being 0.31 in. at Aberdeen. Bright Sunshine recorded yesterday was from 15 to 13 hrs. at several of our W^rn. and SW^rn. stations, 11 hrs. at York, but none at Cambridge.

SEA — Moderate at Yarmouth, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure this morning, and the changes in progress are of a much less settled type than of late, and fitful changes of weather are probable — possibly thunder in places.

FORECASTS

For the 24 hours ending at NOON on 26TH MAY 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying SW. 4 to NW. 4 winds, changeable, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW. 4 airs, warm and fair, probably shifting to NW. later, with a shower, cooler.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Wind becoming NW. 4 again with cooler weather after some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	NW. 4 breezes, light, some showers then fair
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 ...	29·86	51	46	WNW	2	b	1
Sumburgh Head	29·99	48	44	NE	1	o	3
Stornoway	30·03	52	50	E	3	o	3
Aberdeen	30·02	49	44	N	2	og	2
Shields	30·03	46	42	NNE	3	c	3
Ardrossan	29·91	59	56	NW	1	bcf	1
Malin Head ...	30·00	55	53	W	3	c	1
Belmullet	30·08	56	54	N	1	c	*
Holyhead	30·00	53	50	N	2	b	2
Valencia	30·02	61	55	NW	4	bm	4
Scilly	29·93	59	51	NNE	3	b	2
Jersey	29·91	56	53	NNE	4	c	3
Hurst Castle ...	29·89	65	60	NE	3	bm	2
Dungeness ...	29·84	60	55	NNE	4	b	3
North Foreland	29·88	54	51	N	4	bc	4
London (Westminster)	29·91	55	50	NE	3	bc	*
Yarmouth ...	29·89	50	48	N	5	c	4
Rochefort ...	29·75	69	62	NW	4	b	*

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

Weather in morning fine and bright over Scandinavia, as well as over many of the W. parts of our Islands and France; cloudy or overcast elsewhere, with some rain in many places, and a large quantity at Wisby. A considerable fall of rain at Aberdeen and Brussels, and some local showers in a few other places, but sky clearing over England.

Temperature in morning highest 70° at Barcelona, 69° at Algiers, 67 at Palermo, and 60° or more at the Mediterranean stations and over nearly the whole of SE. and some parts of central Europe; 67° at Helsingfors, 64° at Moscow; 60° at Valencia and Roche's Point; 57° at Scilly. Lowest 41° to 43° at the stations in Lapland, 44° at Sumburgh Head and Shields, 45° at Spurn Head, 47° at Loughborough and Oxford. Rising later to 62° at Oxford, 65° at Hurst Castle and Loughborough, and 70° at Parsonstown; to 64° at Paris, 68° at Nice, and 73° at Rochefort. Not exceeding 57° at Berlin.

Wind (1) Moderate from between N. and NE. over almost all the northern and northwestern countries, but falling light over Ireland and Scotland; (2) very light and variable over the eastern and southern countries and light from NW. over central Europe. Becoming very variable and light over Ireland later. The NE. current apparently giving way.

Barometer highest 30·0 ins. and more over Ireland, Scotland, and the NW. of Norway and exceeding 29.8 ins. over Portugal and the N. of Africa. Lowest Below 29·4 ins. in a depression over central Russia and below 29·6 ins. over the E. and S. of France. Falling in the W. and N. of our Islands later, and in Norway, rising over Spain, France and the S. parts of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Wednesday 26th May, 1897.

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 ...	29.77	41	W	2	bc	29.87	+.16	46	40	+3	S	2	c	*	bc	*	52	34	—
	Hernösand ...	29.67	43	NE	2	bc	29.72	—.07	49	45	0	NE	4	b	*	bc	*	57	32	—
	Stockholm ...	29.81	46	S	2	b	29.76	—.15	56	48	+2	E	2	c	*	b	*	61	41	—
	Wisby	29.82	42	SE	4	b	29.73	—.16	48	45	+6	ESE	4	r	*	b	*	54	34	—
	Karlstad ...	29.71	58	W	2	c	29.69	—.15	53	47	+1	S	2	c	*	c	*	*	*	—
	Bodö	29.78	42	NE	2	bc	29.71	?	52	44	+12	E	4	b	1	bc	*	52	37	0.16
	Christiansund ...	29.63	50	NE	2	b	29.58	—.17	47	44	0	W	2	c	2	b	*	55	45	—
	Skudesnaes ...	29.69	47	L	0	0	29.58	—.20	46	44	+1	S	4	o	2	0	*	48	43	*
	Færder (Christiania Fjord)	29.91	54	SW	1	b	29.66	—.12	50	49	—6	NNE	1	o	1	b	*	56	50	—
	Skagen (The Scaw)	29.72	53	L	0	c	29.66	—.16	54	51	+5	SW	1	c	0	c	*	63	48	0.04
	Fanö	29.70	50	L	0	c	29.60	—.22	50	46	+1	SSE	4	c	*	c	*	59	48	—
British Islands	Sumburgh Head	29.62	46	L	0	0	29.46	—.30	46	44	+2	E	2	o	3	o	*	48	42	0.01
	Stornoway ...	29.58	47	S	3	r	29.37	—.40	47	47	—1	N	3	o	3	r	1.8	48	39	0.03
	Wick	29.66	47	S	3	0	29.41	—.36	44	44	—3	S	3	r	2	0	*	52	43	0.06
	Nairn	29.58	50	E	1	c	29.38	—.40	45	44	—3	L	0	d	0	c	*	55	42	0.12
	Aberdeen ...	29.63	43	SE	3	og	29.40	—.38	44	43	+1	ESE	2	ogp	3	og	0.0	46	42	0.08
	Leith	29.60	50	L	0	r	29.39	—.36	45	44	—2	L	0	om	*	r	*	51	42	0.30
	Shields	29.61	51	W	2	0	29.43	—.36	48	46	+5	L	9	o	2	r g, o	*	52	42	0.22
	Spurn Head ...	29.63	50	SSE	4	r	29.49	—.33	50	50	+4	S	1	om	3	or	*	51	46	0.13
	York	29.64	58	W	2	o	29.47	—.35	51	48	+5	WSW	1	r	*	o	0.0	60	44	0.04
	Loughborough ...	29.66	53	W	1	o	29.51	—.33	51	49	+3	WSW	2	omdp	*	o, c, omp	*	62	48	0.13
	Ardrossan ...	29.60	51	W	3	ov	29.40	—.34	48	47	—1	W	3	c	2	ov	*	56	44	0.14
	Malin Head ...	29.64	48	W	3	op	29.44	—.37	48	46	—1	W	3	bcp	2	op, r	*	55	42	0.20
	Belmullet ...	29.68	51	NNW	3	o	29.56	—.33	50	49	+1	W	2	c	*	o	*	53	40	0.09
	Donaghadee ...	29.66	47	WSW	2	r	29.47	—.34	50	47	—1	WNW	3	bc	1	r	*	52	44	0.27
	Liverpool (Bidston)	29.66	51	WNW	2	o	29.49	—.30	50	46	—3	WSW	4	bc	3	op	*	56	44	0.15
	Holyhead ...	29.69	50	SW	2	rgm	29.52	—.31	51	48	—1	W	4	c	3	o, r mg	*	55	45	0.10
	Parsonstown ...	29.70	50	W	1	r	29.56	—.30	50	45	0	W	1	c	*	or	0.0	54	38	0.09
	Valencia ...	29.76	51	WSW	4	r g	29.61	—.30	50	47	—3	W	4	cp	4	o, r g	0.0	53	44	0.11
	Roche's Point ..	29.75	52	NW	3	o	29.65	—.24	50	46	—5	WNW	3	b	3	o, p	*	57	45	0.02
	Pembroke (St. Ann's Hd.)	29.71	56	W	3	o	29.58	—.28	49	47	—6	NNW	4	b	3	o	2.1	56	46	0.08
	Scilly	29.78	55	W	4	c	29.60	—.30	51	48	—6	NNW	4	c	2	c	11.3	60	48	0.11
	Prawle Point ...	29.77	52	WSW	4	c	29.59	—.29	49	49	—9	SW	4	r	3	c, r	*	60	46	0.11
	Jersey (St. Aubin's)	29.81	58	WNW	3	bm	29.64	—.27	54	52	—4	SW	3	og	3	bc, bm, f	*	63	50	—
	Hurst Castle ...	29.75	56	SW	3	cm	29.58	—.30	53	52	—3	SW	4	rm	2	bcm, cm	*	65	52	0.01
	Dungeness ...	29.73	53	SW	4	c	29.60	—.28	54	52	+4	SW	4	o	3	c	*	56	49	—
	North Foreland	29.71	59	S	3	o	29.59	—.30	55	51	+9	SSW	3	o	2	bc, o, bl	*	60	44	—
	London (Brixton) ...	29.69	62	WSW	1	o	29.57	—.29	54	50	+6	SW	2	o	*	bc, cp, o	3.2	72	48	0.03
	Oxford	29.68	58	WSW	3	o	29.54	—.30	52	49	—4	SW	2	od	*	bc, o, b	*	69	50	—
	Cambridge ...	29.67	60	ESE	1	o	29.53	—.31	54	52	+5	SW	2	r	*	bc, o	4.9	68	47	0.02
	Yarmouth ...	29.69	51	SSE	3	c	29.52	—.32	54	52	+8	SW	4	c	3	bc, c	*	54	45	0.01
Germany & Holland	Cuxhaven ...	29.70	57	SE	3	b	29.63	—.18	55	52	+4	WSW	1	c	*	b	*	63	45	—
	Berlin	29.69	55	L	0	r	29.69	—.07	51	49	+1	W	3	o	*	r	*	57	50	—
	Wiesbaden ...	*	*	*	*	*	29.71	—.04	55	49	—2	L	0	b	*	*	*	64	45	—
	Munich	29.75	55	L	0	c	29.72	—.08	51	51	+2	W	1	r	*	c	*	64	49	—
	The Helder ...	29.72	51	WNW	1	bc	29.58	—.25	54	52	+5	SW	2	o	1	bc	*	54	48	—
Belgium	Brussels ...	*	*	*	*	*	29.68	—.15	57	50	+7	SW	2	o	*	b	*	63	45	—
	Cape Gris Nez ...	29.75	54	SW	3	m	29.64	—.24	54	52	+6	SW	4	o	4	m	*	55	46	—
	Paris	29.80	59	N	2	b	29.70	—.16	53	50	+1	SE	1	m	*	b	*	64	42	—
	Brest	29.84	56	NW	2	bc	29.67	—.27	52	50	+2	WNW	2	o	3	bc	*	59	46	—
	Lorient	29.82	57	NW	4	c	29.69	—.22	55	54	+3	NW	3	o	2	c	*	68	45	—
France &	Rochefort ...	29.80	60	NW	4	b	29.73	—.10	58	56	+3	NW	3	bc	*	b	*	66	55	—
	Belfort	29.72	57	W	1	o	29.71	—.07	49	49	—1	L	0	f	*	o	*	66	45	—
	Lyons														*		*			
	Nice	29.61	62	L	0	c	29.56	—.13	61	55	+1	L	0	b	1	c	*	70	50	—
	Perpignan ...	29.78	59	W	2	o	29.75	—.05	59	54	—4	W	2	b	*	o	*	66	54	0.35
	Biarritz ...	29.83	63	NW	3	b	29.78	—.06	56	53	—2	SW	4	c	2	b	*	70	54	—
Peninsula	Corunna ...																*			
	Lisbon	29.85	58	NW	3	b	29.86	—.03	60	55	+3	NNW	4	c	*	b	*	68	54	0.24
	Azores (P. Delgada)	30.30	61	N	1	bc	30.31	+.07	59	55	0	NNW	3	bc	2	bc	*	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 0·5 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 26TH MAY, 1897.

BAROMETER, WIND AND SEA.

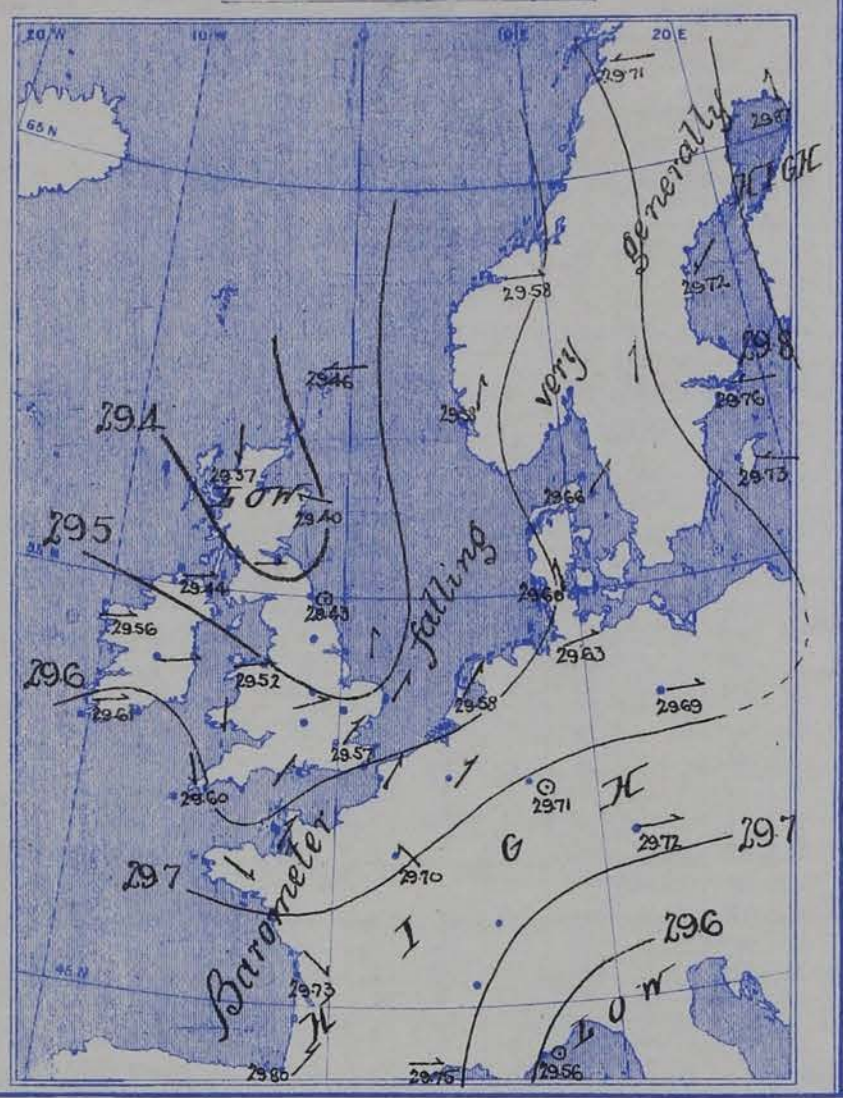
BAROMETER—Isobars are drawn for each tenth of an inch.

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

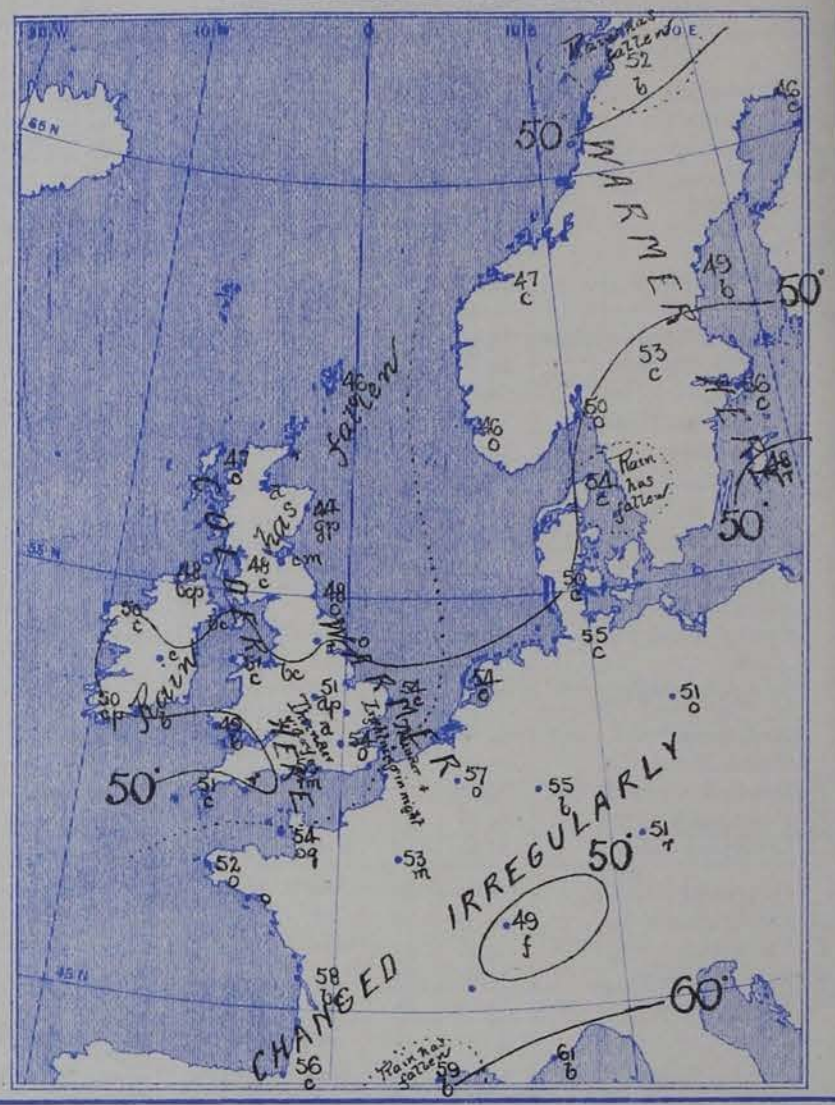


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 29.8 ins and more over the Spanish Peninsula as well as over Finland.
Lowest (1) Below 29.4 ins. over the greater part of Scotland, and below 29.7 ins. over our Islands, the North Sea and Germany; (2) below 29.6 ins. over the Riviera.
Gradients slight, but Distribution complex.
Barometer still falling generally and unsteadily.

TEMPERATURE

Highest 61° at Nice, 58° at Rochefort, 57° at Brussels, 56° at Stockholm, 52° at Bodo.
Lowest 44° at Wick and Aberdeen, 45° at Leith, 48° at Malin Hd., Ardrossan and Shields.
Maxima were recorded yesterday as high as 72° in London, 69° at Oxford, 68° at Cambridge and 62° at Loughborough; they were much below 60°, however, at most of our Nn. stations and below 50° in many parts of Scotland. At Berlin the maximum was only 57°, at Paris 64°, and at Nice 70°.

WIND

S. over the North Sea, SW. over England and the Channel, but W. to N. on our western coasts, and varying much in all districts. In force they were moderate to light.

WEATHER

Changeable and unsettled; – dull and rainy over Gt. Britain, fine and bright over the Irish Sea and cloudy and showery in the west of Ireland.
Rain has fallen generally in the N. and W. – slightly in several parts of England, where thunder has occurred in several localities. Bright Sunshine recorded yesterday was 11.3 hrs. at Scilly, 4.9 hrs. at Cambridge, none over Ireland and the N. of England.

SEA

Moderate at Valencia (Ireland) and at Cape Gris Nez, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Unsettled rainy weather, with short bright intervals, is probable very generally, and some thunder locally.

FORECASTS

For the 24 hours ending at NOON on 27TH MAY 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Very variable winds, rainy, unsettled.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Varying SW. to NW. winds, considerable rain, bright intervals, colder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW. to SW. winds, rain at times, bright intervals.
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 ...	29.75	48	44	WSW	2	o	2
Sumburgh Head	29.68	47	45	2	o	o	3
Stornoway	29.67	48	48	S	3	r	3
Aberdeen	29.70	45	44	SE	3	og	3
Shields	29.67	50	48	SE	1	rg	3
Ardrossan	29.66	54	53	W	3	o	2
Malin Head ...	29.70	51	49	NW	1	o	1
Belmullet	29.76	53	51	W	3	o	*
Holyhead	29.76	54	50	W	1	o	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.82	53	50	W	2	o	3
Scilly	29.84	58	53	WSW	3	c	1
Jersey	29.86	62	57	SE	3	bc	3
Hurst Castle ...	29.81	60	58	SW	4	bcm	2
Dungeness ...	29.79	55	52	SW	3	c	3
North Foreland	29.77	57	53	S	3	bc	2
London (Westminster)	29.73	67	62	SW	2	cp	*
Yarmouth ...	29.73	52	49	SSE	4	bc	4
Rochefort ...	29.83	62	58	NW	4	bc	*

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

Weather in morning fine and bright over many parts of Scandinavia, the Baltic and the northern half of Russia; dull and becoming unsettled over many parts of the British Islands and their neighbourhood, as well as over France and central Europe; fine over the southern parts of the Mediterranean. Becoming rainy in the W. and N. of our Islands later, with passing showers and thunder over England, and thunderstorms in several localities.

Temperature changing very fitfully in our Islands, falling decidedly over the N^W. and E^N. parts of the Continent. Morning readings highest 72° at Algiers, 71° at La Calle, 70° at Constantinople, 69° at Barcelona, 68° at Palermo and Brindisi; above 60° on the Mediterranean coasts generally and over the southern half of Russia. Lowest 34° at Archangel, 40° at Bodo, 43° at Aberdeen and Shields, and below 50° at most of our N^W. and N^E. stations. Rising later to 72° in London, and to between 65° and 70° over many parts of our south Midland counties; and to 70° at Nice.

Wind (1) NE^ly over the Baltic, variable from between N. and W. over central Europe and the Adriatic; (2) very variable from between SW. and NW. over the British Islands, and very variable indeed over France. Still more variable over our Islands later (W^ly in the west and SE^ly in the east) but remaining light in force as a whole.

Barometer highest 29.9 ins. and more at our extreme SW^n. stations, over the Bay of Biscay and the northern parts of Africa, as well as at Stockholm and Hango, and exceeding 29.8 ins. over England and in a band stretching thence to Denmark and the S^n. parts of Sweden and Finland. Lowest below 29.4 ins. over central Russia. Below 29.75 ins over the W. of Norway, and also over the Gulf of Genoa and the Riviera. Falling over our Islands and N^W. Europe all day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 27th May, 1897.

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	47	↗	0	0	29.89	+ .02	50	46	+ 4	↗	0	c	≡	0	≡	57	39	—
	Hernösand ...	29.79	42	NE	2	bc	29.87	+ .15	49	46	0	↗	0	bc	≡	bc	≡	54	41	—
	Stockholm ...	29.71	50	↗	0	b	29.85	+ .09	58	50	+ 2	ENE	2	b	≡	b	≡	61	41	—
	Wisby	29.77	49	SSE	4	c	29.82	+ .09	48	46	0	NE	4	b	≡	c	≡	59	36	—
	Karlstad ...	29.71	56	W	2	bc	29.82	+ .13	55	50	+ 2	NE	2	b	≡	bc	≡	≡	≡	—
	Bodö	29.68	52	N	2	b	29.76	+ .05	57	49	+ 5	E	2	bc	1	b	≡	59	43	—
	Christiansund ...	29.61	48	↗	0	bc	29.69	+ .11	53	49	+ 6	S	1	c	0	bc	≡	53	46	—
	Skudesnaes ...	29.52	51	SSE	6	r	29.66	+ .08	51	50	+ 5	SSE	6	of	4	r	≡	51	45	≡
	Færder (Christiania Fjord)	29.68	54	ESE	1	0	29.78	+ .12	55	52	+ 5	E	1	0	1	0	≡	55	50	0.12
	Skagen (The Scaw)	29.70	55	S	2	c	29.76	+ .10	57	54	+ 3	SSE	2	a	0	c	≡	61	54	—
	Fanö	29.62	57	↗	0	0	29.61	+ .01	57	55	+ 7	SE	4	b	≡	0	≡	64	50	—
	Sumburgh Head	29.36	44	NE	2	r	29.51	+ .05	47	45	+ 1	ESE	2	c	4	r	≡	47	42	0.10
	Stornoway ...	29.36	49	S	2	0	29.44	+ .07	49	48	+ 2	↗	0	c	0	r, 0	1.3	49	41	0.02
	Wick	29.36	48	S	2	bc	? 29.47	+ .06	49	48	+ 5	SE	2	bc	1	bc	≡	52	43	0.02
	Nairn	29.35	47	ENE	2	c	29.45	+ .07	50	49	+ 5	↗	0	b	0	c	≡	54	37	0.15
	Aberdeen ...	29.37	47	S	2	og	29.53	+ .10	45	44	+ 1	SE	2	cpr	2	c, og	0.5	49	35	0.01
	Leith	29.34	50	WSW	1	c	29.42	+ .03	54	50	+ 9	N	2	b	≡	c	≡	54	40	0.06
	Shields	29.39	54	WNW	3	bc	29.42	— .01	47	46	— 1	NNE	1	0	2	r, 0, bc	≡	58	40	0.02
	Spurn Head ...	29.45	51	S	2	0	29.41	— .08	51	51	+ 1	ESE	3	cm	3	op	≡	52	48	0.03
	York	29.44	58	W	1	b	29.40	— .07	48	47	— 3	ESE	1	0	≡	c, b	6.7	59	40	0.05
	Loughborough ...	29.46	55	SE	1	c	29.39	— .12	51	48	0	SE	2	cw	≡	0, c, cm	≡	58	45	—
British Islands.	Ardrossan ...	29.37	49	S	3	bc	29.38	— .02	55	52	+ 7	ENE	2	bm	1	b, bc	≡	55	42	—
	Malin Head ...	29.34	50	ESE	3	bc	29.33	— .11	52	50	+ 4	SE	4	bc	2	c, bc	≡	53	44	—
	Belmullet ...	29.32	51	SSW	2	0	29.29	— .27	51	48	+ 1	ENE	3	0	≡	or, 0	≡	53	45	0.14
	Donaghadee ...	29.39	52	SSW	4	c	29.36	— .11	52	49	+ 2	E	4	bc	2	p, c	≡	56	46	0.01
	Liverpool (Bidston)	29.44	54	WNW	1	b	29.34	— .15	53	47	+ 3	ESE	2	c	?	b	≡	56	42	—
	Holyhead ...	29.45	50	SW	3	c	29.31	— .21	52	46	+ 1	E	2	c	2	bc, c	≡	56	45	—
	Parsonstown ...	29.38	52	W	1	0	29.20	— .36	48	46	— 2	SE	1	op	≡	bc, op	8.3	55	46	0.18
	Valencia ...	29.36	50	SW	3	pg	29.20	— .41	48	46	— 2	NNW	1	p	2	opg	3-4	53	44	0.48
	Roche's Point ...	29.42	53	SW	4	c	? 29.11	— .54	50	47	0	N	1	bp	2	rhp, c	≡	55	47	0.25
	Pembroke (St. Ann's Hd.)	29.48	51	W	4	c	29.19	— .39	47	47	— 2	SW	5	rq	5	c	9.6	53	46	0.28
	Scilly	29.52	54	WSW	5	c	29.24	— .36	51	47	0	W	5	cp	3	bc, c	7.4	58	46	0.35
	Prawle Point ...	29.52	52	WNW	3	c	29.29	— .30	50	49	+ 1	S	5	cp	4	cp, b	≡	58	45	0.35
	Jersey (St. Aubin's)	29.56	54	SSW	3	c	29.39	— .25	50	49	— 1	SE	4	cg	3	f, c	≡	58	46	0.07
	Hurst Castle ...	29.51	53	SW	4	c	29.39	— .19	54	51	+ 1	S	3	c	2	cm, c	≡	55	47	0.02
	Dungeness ...	29.53	53	SW	4	c	29.42	— .18	52	51	— 2	SSW	3	cp	2	c	≡	59	50	0.03
	North Foreland	29.52	57	SW	2	0	29.43	— .16	54	51	— 1	SSE	3	0	2	c, 0	≡	61	48	0.06
	London (Brixton) ...	29.49	54	SW	2	0	29.41	— .16	53	50	— 1	SW	2	0	≡	op, b, c	0.0	57	49	0.09
	Oxford	29.47	52	S	2	r	29.38	— .16	52	46	0	SSW	2	b	≡	op	≡	61	44	—
	Cambridge ...	29.48	56	SSW	1	0	29.41	— .12	52	51	— 2	SSE	1	0	≡	0, f	0.7	59	47	0.09
	Yarmouth ...	29.48	55	SSW	2	cr	29.44	— .08	51	50	— 3	SSE	3	cv	3	op, rx	≡	58	48	0.06
Germany & Holland.	Cuxhaven ...	29.61	57	S	2	r	29.57	— .06	56	53	+ 1	SE	3	b	≡	r	≡	64	50	0.16
	Berlin	29.65	60	E	2	b	29.63	— .06	60	56	+ 9	E	2	b	≡	b	≡	68	51	—
	Wiesbaden ...	≡	≡	≡	≡	≡	29.57	— .14	59	55	+ 4	E	2	c	≡	≡	≡	66	54	—
	Munich	29.66	52	SW	2	0	29.58	— .14	52	52	+ 1	W	2	r	≡	0	≡	55	50	0.08
	The Helder ...	29.56	55	SSE	1	0	29.48	— .10	55	52	+ 1	↗	0	bc	1	0	≡	57	54	—
Belgium.	Brussels ...	≡	≡	≡	≡	≡	29.50	— .18	59	54	+ 2	SSE	1	c	≡	0	≡	65	48	0.04
	Cape Gris Nez ...	29.56	55	SW	1	c	29.46	— .18	55	54	+ 1	SW	2	c	2	c	≡	59	48	0.04
	Paris	29.61	61	SSE	3	0	29.56	— .14	52	50	— 1	SSE	2	0	≡	0	≡	71	49	—
	Brest	29.59	53	NW	1	c	29.31	— .36	52	50	0	SSW	5	r	3	c	≡	57	46	0.08
	Lorient	29.59	54	WNW	5	c	29.42	— .27	54	51	— 1	WSW	4	c	4	c	≡	64	48	0.16
France &	Rochefort ...	29.67	59	W	4	0	29.57	— .16	55	52	— 3	W	4	0	≡	0	≡	66	52	0.32
	Belfort	29.58	57	NE	1	r	29.53	— .18	55	53	+ 6	WSW	1	c	≡	r	≡	68	49	0.12
	Lyons	29.60	61	NW	1	c	29.59	— .11	59	51	— 4	WNW	1	r	≡	c	≡	69	49	0.08
	Nice	29.52	63	↗	0	bc	29.51	— .05	57	55	— 4	↗	0	c	0	bc	≡	70	54	—
	Perpignan ...	29.67	63	W	2	0	29.64	— .11	60	52	+ 1	NW	3	0	≡	0	≡	72	55	—
	Biarritz ...	29.73	61	W	3	bc	29.67	— .11	56	53	0	W	5	r	4	bc	≡	68	50	0.67
Penin-sula.	Corunna ...																≡			
	Lisbon	30.00	59	WNW	4	b	30.04	+ .18	60	53	0	WNW	4	0	≡	b	≡	60	55	—
	Azores (P. Delgada)	30.36	59	NNE	3	b	30.30	— .01	62	61	+ 3	N	1	c	0	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 11·7 hrs;

WEATHER CHARTS

FOR Thursday, 27th May, 1897.

BAROMETER, WIND AND SEA.

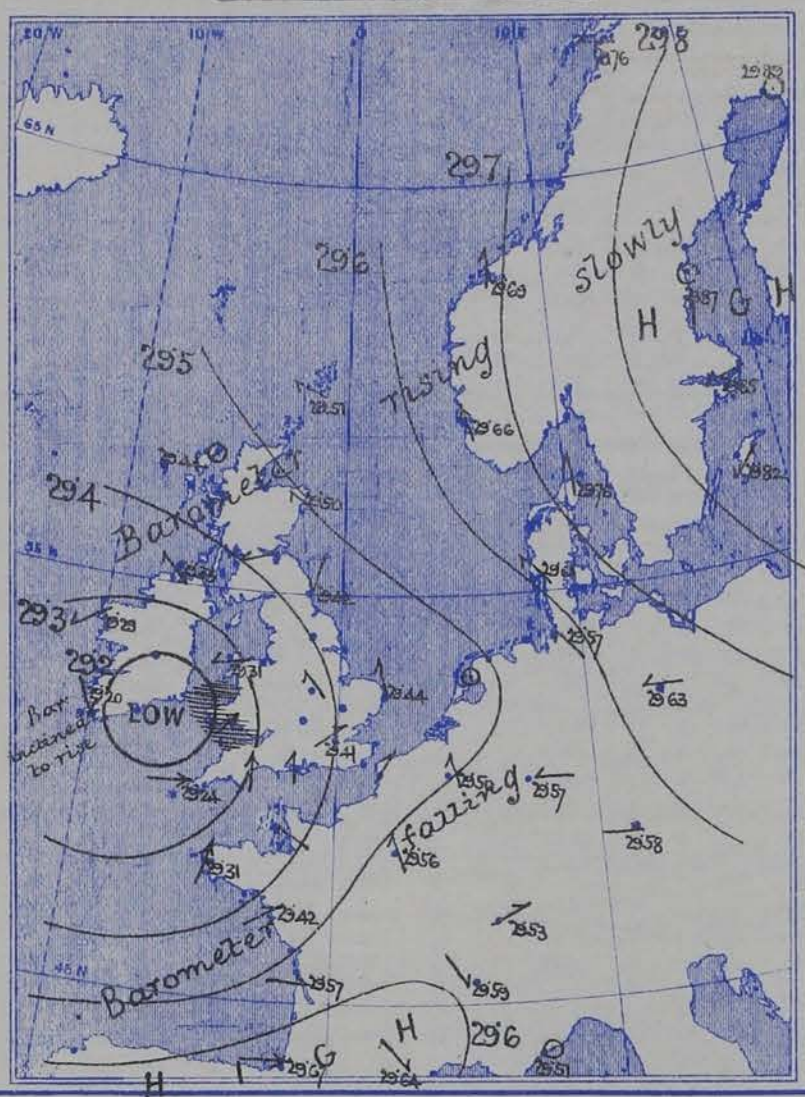
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

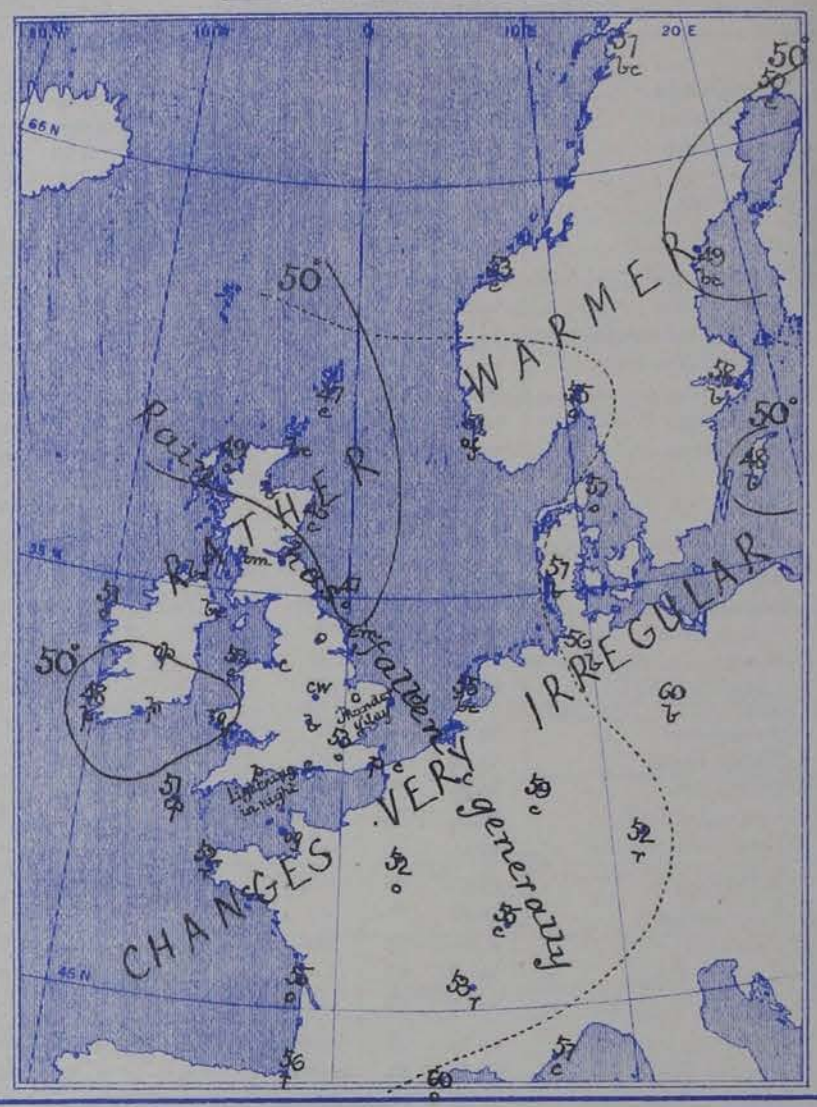


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 , 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 29.8 ins. and more to 29.6 ins. over Scandinavia & Denmark, as well as over the Spanish Peninsula & the south[west] of France
Lowest 29.1 ins. to 29.2 ins. in a depression covering the south of Ireland and adjacent part of the Atlantic
Gradients slight in the north, moderate in the south. Distribution cyclonic over England and Ireland.
Barometer rising in the north and extreme west, falling in the south and southeast. The rise in the north spreading S^th.

TEMPERATURE

Highest 60° to 56° in the south of France, 60° at Berlin, 58° at Stockholm, 57° at the Skaw and at Jan Mayen
Lowest 45° at Aberdeen, 47° at Sumburgh Head and Shields, 48° at Parsonstown, 51° at Belmullet
The maxima recorded yesterday exceeded 60° at Oxford and the North Foreland and touched 59° at York and 58° at many of our other stations.

WIND

Fresh to moderate from between west and south over the Channel and the south of England, light from between South East & East in the north, and from the North Eastward & Northward in the extreme west of Ireland.

WEATHER

Very showery over the southern part of Ireland and England & over the Channel, fair in Scotland; very fine over Sweden, dull over France, with rain at Lyons.
Considerable rain has fallen over the southwest of England, showers in most other places; thunder & lightning reported from several part of England. Bright Sunshine recorded yesterday was 6.7 hrs. at York, 7.4 hrs. at Scilly, 8.3 hrs. at Parsonstown, 9.6 hrs. at Pembroke & 11.7 hrs. at Southport. In London there was none, but the sky cleared at night.

SEA

Moderate on our southwestern coasts & at Sumburgh Head, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showery weather is probable over our southern counties today; probably finer and cooler weather tomorrow

FORECASTS

For the 24 hours ending at NOON on 28th May 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^by and NE^by winds; some rain, then fine. Cold at night.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SE^by to E^by winds, moderate to fresh; rainy, then finer. Cold at night
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Wind backing to the N^no; rainy, then fine and colder.
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 ...	29.54	50	49	SE	4	r	2	Valencia	29.49	51	48	SW	3	op	4
Sumburgh Head	29.41	46	45	E	2	r	4	Scilly	29.59	54	48	WNW	4	bc	2
Stornoway	29.36	48	47	SW	3	r	3	Jersey	29.60	58	57	SW	3	c	3
Aberdeen	29.37	48	45	SE	2	c	2	Hurst Castle ...	29.55	54	52	SW	.	ovc	3
Shields	29.38	50	47	NNE	1	o	2	Dungeness ...	29.55	56	53	SW	4	c	3
Ardrossan	29.38	53	51	E	0	b	0	North Foreland	29.54	?58	53	S	3	c	3
Malin Head ...	29.39	53	50	NNW	4	c	2	London (Westminster)	29.51	57	52	SW	2	op	#
Belmullet	29.43	50	46	W	3	or	#	Yarmouth ...	29.50	56	54	SSW	4	op	3
Holyhead	29.50	54	48	SW	3	bc	2	Rochefort ...	29.70	61	57	W	3	o	#

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

Weather in morning fine and bright over Finland, the Baltic Provinces and several parts of Russia, fair over Spain and northern Africa; cloudy or overcast elsewhere, with some rain in many parts of an islands, and some parts of Central Europe. Considerable rain later in the western and southwestern parts of the Kingdom; showers elsewhere; thunder & lightning in several parts of England and a solar halo at Oxford.

Temperature in morning - Highest 71° at Algiers, La Calle, Brindisi and Constantinople, and exceeding 60° at nearly all the Mediterranean Stations; 68° at Nicolaieff, 64° at Odessa, 61° at Kharkov; 56° at Stockholm, 52° at Bodo; 55° to 54° over the eastern counties of England. Lowest 42° at Archangel, 44° at Wick and Aberdeen; 48° at Malin Head and Shields, 50° at Liverpool. Failing to reach 50° in the extreme north of Scotland later, but touching 49° to 50° over the inland parts of England, 61° at Oxford and the North Foreland; 68° at Berlin, 71° at Paris and 72° at Perpignan.

Wind. Very variable (1) S. to W. & NW. over the British Islands and S 3/4 over the North Sea; (2) E 3/4 to SE 3/4 (anticyclonic) over the Baltic; (3) extremely light and variable over the Continent as a whole. Becoming SW 3/4 over England and Ireland later, S 3/4 over Scotland. Inclined to freshen in Ireland.

Barometer - Highest 29.9 ins. and more to 29.7 ins. over Northern Europe generally, and 29.8 ins. and more to 29.7 ins. over the Spanish Peninsula and the southwestern and central parts of France. Lowest below 29.4 ins. in a "V" shaped disturbance over Scotland, and 29.6 ins. and less in other depressions over the southeast of France, the north of Italy and the south of Russia. Falling fast over the British Islands later; new, but not deep, depression approaching Ireland from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Friday, 28th May, 1897.

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 ...	30·00	48	W	0	b	30·12	+·23	55	50	+5	S	2	b	*	b	*	59	44	-
	Hernösand ...	29·98	50	W	0	b	30·06	+·19	57	50	+8	NE	2	b	*	b	*	61	36	-
	Stockholm ...	29·90	57	NE	2	0	29·88	+·03	57	53	-1	NE	4	0	*	b	*	63	43	-
	Wisby	29·80	49	E	4	c	29·75	-·07	62	59	+14	SE	4	bc	*	c	*	?	41	-
	Karlstad ...	29·85	61	NE	4	b	29·82	·00	62	55	+7	NE	4	0	*	b	*	*	*	-
	Bodö	29·93	55	W	0	b	30·05	+·29	61	53	+4	E	2	b	1	b	*	61	46	-
	Christiansund ...	29·89	58	NE	2	b	29·89	+·20	59	51	+6	SE	3	b	2	b	*	59	52	-
	Skudesnaes ...	29·71	57	W	0	c	29·72	+·06	58	51	+7	ESE	4	c	2	c	*	59	45	*
	Færder (Christiania Fjord)	29·76	62	E	2	b	29·80	+·02	58	53	+3	NE	4	0	2	b	*	64	55	-
	Skagen (The Scaw)	29·76	59	W	0	b	29·69	-·07	58	55	+1	ENE	4	c	1	b	*	68	52	-
	Fanö	29·62	56	ESE	6	c	29·52	-·09	57	55	0	E	6	r	*	c	*	72	54	-
BRITISH ISLANDS.	Sumburgh Head	29·58	47	E	2	0	29·65	+·14	51	50	+4	E	2	b	4	c,o	*	51	45	0·02
	Stornoway ...	29·46	55	E	3	bc	29·43	-·01	50	49	+1	ESE	3	c	3	bc	13·8	57	39	-
	Wick	29·50	47	SE	2	0	29·51	+·04	48	48	-1	SE	1	f	1	0	*	56	46	0·01
	Nairn	29·43	58	E	2	c	29·45	·00	58	54	+8	SE	1	0	1	c	*	61	44	0·01
	Aberdeen ...	29·50	46	E	2	orf	29·50	·00	47	47	+2	NE	1	of	2	f.om.rf	1·0	49	44	0·02
	Leith	29·43	49	NE	1	r	29·44	+·02	48	48	-6	ENE	2	om	*	r	*	54	45	0·06
	Shields	29·44	48	E	3	op	29·42	·00	48	48	+1	NE	1	f	2	fp.o	*	50	44	-
	Spurn Head ...	29·38	51	E	4	c	29·37	-·04	51	51	0	SE	3	c	3	o.cp.o	*	54	48	0·08
	York	29·37	56	E	2	c	29·38	-·02	55	51	+7	N	1	c	*	t,c	2·1	57	43	0·23
	Loughborough ...	29·35	58	SE	1	bc	29·37	-·02	50	44	-1	SE	1	c u	*	c,bc.op	*	63	44	0·01
	Ardrossan ...	29·37	53	NE	3	om	29·38	·00	54	53	-1	NE	4	bm	2	om	*	56	45	0·01
	Malin Head ...	29·36	52	E	3	bm	29·34	+·01	51	51	-1	E	3	bm	1	b.bm	*	55	45	-
	Belmullet ...	29·36	54	ENE	2	op	29·31	+·02	54	50	+3	SSE	2	0	*	op	*	56	47	-
	Donaghadee ...	29·37	52	NNE	5	o	29·37	+·01	52	50	0	ENE	5	bc	3	o	*	56	46	0·01
	Liverpool (Bidston)	29·31	58	ESE	1	bc	29·34	·00	49	47	-4	E	1	o	?	bcm	*	62	47	0·01
	Holyhead ...	29·31	52	N	1	cm	29·34	+·03	50	47	-2	S	1	og	1	c,cm	*	59	46	-
	Parsonstown ...	29·30	55	E	1	b	29·30	+·10	50	47	+2	E	1	o	*	c,p	2·2	56	42	0·08
	Valencia ...	29·34	52	NNW	5	p	29·29	-·09	54	49	+6	SSE	3	c	3	ogp	0·7	54	44	0·15
	Roche's Point ..	29·30	55	NW	1	bc	29·32	+·21	53	50	+9	SE	1	bc	1	bc	*	56	48	-
	Pembroke (St. Ann's Hd.)	29·24	47	W	0	r	29·33	+·14	52	49	+5	S	4	c	4	o,r	0·0	52	45	0·25
	Scilly	29·31	53	NNW	5	cp	29·36	+·12	53	50	+2	WSW	4	c	3	cp	10·7	56	47	0·10
	Prawle Point ...	29·27	49	S	3	c	29·37	+·08	49	49	-1	SW	2	cp	2	r.c.p	*	52	41	0·34
	Jersey (St. Aubin's)	29·38	54	SSW	4	bc	29·44	+·05	52	50	-1	SW	4	ogp	3	ogp.bc	*	57	48	0·33
	Hurst Castle ...	29·35	52	SW	3	c	29·33	-·06	50	49	-4	W	3	c	2	c.cp	*	58	48	0·09
	Dungeness ...	29·37	54	E	3	b	29·40	-·02	50	49	-2	SSW	5	c rhq	4	o,b	*	58	47	0·03
	North Foreland	29·40	53	E	2	b	29·42	-·01	54	50	0	S	4	0	3	c,b	*	59	48	0·04
	London (Brixton) ...	29·34	59	S	2	c	29·38	-·03	57	50	+4	SSE	2	bcp	*	op.b.cp	7·6	64	46	0·05
	Oxford	29·35	53	SSE	1	0	29·34	-·04	52	48	0	E	1	c	*	c,r	*	60	46	0·03
	Cambridge ...	29·36	62	SSE	1	b	29·39	-·02	53	51	+1	S	1	0	*	b	7·6	65	47	0·02
	Yarmouth ...	29·41	53	ESE	3	c	29·40	-·04	54	50	+3	S	3	bcv	3	c	*	55	49	-
GERMANY & HOLLAND.	Cuxhaven ...	29·52	61	SE	3	c	29·45	-·12	53	53	-3	E	4	o	*	c	*	64	48	-
	Berlin	29·51	66	NNE	2	c	29·41	-·22	61	59	+1	E	4	r	*	c	*	72	57	-
	Wiesbaden ...	*	*	*	*	*	29·52	-·05	57	54	-2	W	4	o	*	*	*	68	54	0·08
	Munich... ..	29·48	53	W	0	r	29·58	·00	50	50	-2	W	3	r	*	r	*	63	50	0·51
	The Helder ...	29·46	57	E	1	bc	29·42	-·06	57	55	+2	SSW	1	o	1	bc	*	63	55	0·51
BELGIUM.	Brussels ...	*	*	*	*	*	29·53	+·03	54	49	-5	WSW	4	bc	*	o	*	69	47	-
	Cape Gris Nez...	29·41	55	E	2	o	29·44	-·02	51	49	-4	SW	4	c	4	o	*	59	45	0·04
	Paris	29·43	61	SW	3	c	29·59	+·03	50	47	-2	SW	3	bc	*	c	*	66	44	0·16
	Brest	29·38	53	W	6	o	29·45	+·14	50	49	-2	SW	3	o	3	o	*	54	43	0·85
	Lorient... ...	29·47	55	WNW	6	r	29·51	+·09	50	49	-4	W	3	r	5	r	*	59	45	0·43
FRANCE &	Rochefort ...	29·58	57	WNW	5	bc	29·65	+·08	53	52	-2	W	4	r	*	r.bc	*	61	52	0·43
	Belfort	29·48	55	WSW	2	0	29·67	+·14	48	34	-7	W	6	c	*	0	*	67	44	0·12
	Lyons ...														*		*			
	Nice	29·46	61	N	1	c	29·45	-·06	62	50	+5	ENE	1	b	2	c	*	70	52	-
	Perpignan ...	29·64	66	NW	4	b	29·83	+·19	60	51	0	NW	4	bc	*	b	*	69	53	-
	Biarritz ...	29·74	58	W	5	r	29·78	+·11	58	53	+2	SW	4	o	5	r	*	66	54	0·24
PENN-SULA.	Corunna ...																*			
	Lisbon	30·10	59	WSW	3	0	30·08	+·04	61	57	+1	WSW	3	o	*	o	*	64	57	-
	Azores (P. Delgada)	30·24	63	WSW	4	0	30·12	-·18	64	61	+2	SW	4	c	4	o	*	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 7·6 hrs;

WEATHER CHARTS

FOR Friday, 28th May, 1897.

BAROMETER, WIND AND SEA.

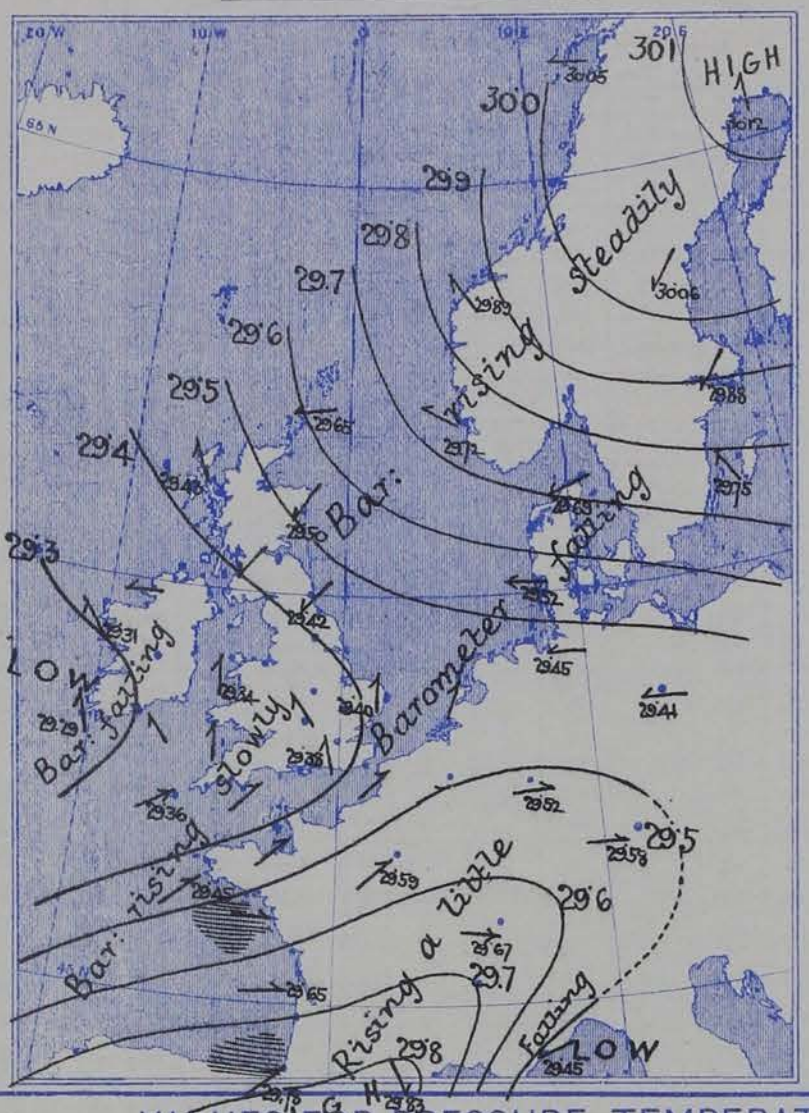
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

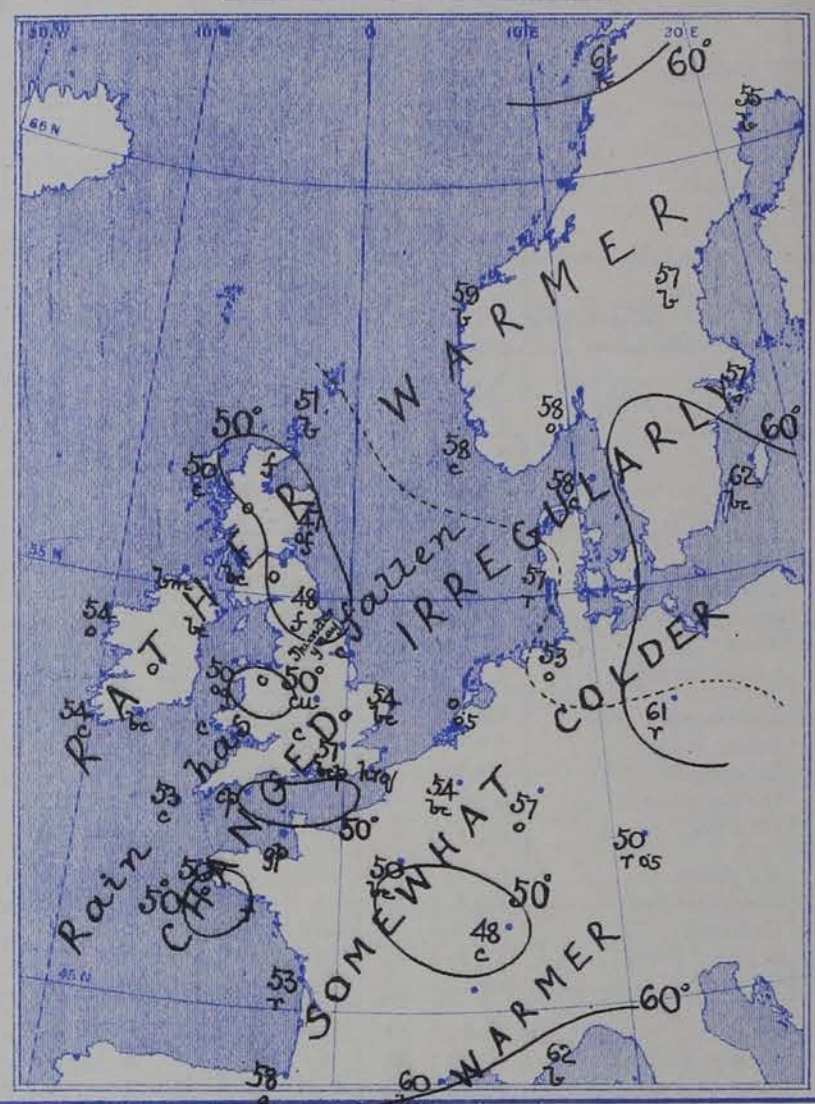


TEMPERATURE & WEATHER.

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 MAY.*

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 to 29·9 ins: over Northern Europe and the Gulf of Bothnia and Finland, (2) 30·0 ins: and more to 29·8 ins: over the Spanish Peninsula.
Lowest, 29·3 ins: and less over the west of Ireland and the adjacent parts of the Atlantic, and below 29·4 ins: almost all over England.
Gradients moderate to slight. Distribution complex.
Barometer falling again in the far west, unsteady over England.

TEMPERATURE

Highest, 62° at Nice and at Karlstad, 61° at Berlin, 58° at Nairn, 57° at Stockholm, and in London.
Lowest, 47° at Aberdeen, 48° at Wick, Leith, and Shields.
It rose during yesterday to between 65° and 60° over England, and touched 66° at Paris, 70° at Nice and 72° at Berlin and Turin.
It is changing very fitfully in most districts.

WIND

NE. to E., moderate to light over the northern half of our area, S. and SW. in the south, S. to E. over Ireland.
It is inclined to freshen somewhat over our southern districts.

WEATHER

Fine over Scandinavia, Belgium, and the northeast of France; very changeable over our Islands, with rain in the south, hail at Dungeness.
Rain has fallen very generally over the southwestern and southern parts of our area, and in smaller quantities in the north.
Bright Sunshine recorded yesterday amounted to 13·8 hours at Stornoway, 10·7 hours at Scilly, 7·6 hours at Southport, London and Cambridge, at Pembroke there was none.

SEA

Moderate to slight on our western and southern coasts, slight to smooth in the East.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is of a very unsettled type, and a great deal of rain is likely to fall in most places.

FORECASTS

For the 24 hours ending at NOON on 29th MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE. winds, moderate; fair.
1	SCOTLAND EAST	E. winds, moderate; dull, rainy.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as Nos 1 and 2.
5	ENGLAND SOUTH	S. and SW. winds; considerable rain, some bright intervals.
6	SCOTLAND WEST	Same as Nos 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	SE. and S. winds; dull, rainy, unsettled.
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 ...	29.67	59	54	ESE	2	o	2
Sumburgh Head	29.86	49	48	SE	2	c	4
Stornoway	29.46	57	55	E	2	bc	2
Aberdeen	29.51	48	47	ENE	2	om	2
Shields	29.40	48	47	E	3	fp	2
Ardrossan	29.37	53	52	NE	3	om	1
Malin Head ...	29.37	55	52	NE	3	b	2
Belmullet	29.35	54	51	ENE	2	op	*
Holyhead	29.30	56	50	W	1	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.29	52	50	NW	1	ogp	5
Scilly	29.22	53	49	W	5	cp	3
Jersey	29.36	51	48	WSW	4	o	3
Hurst Castle ...	29.32	57	53	ESE	4	cu	2
Dungeness ...	29.41	55	51	SW	2	o	1
North Foreland	29.42	57	52	SE	3	c	2
London (Westminster)	29.36	60	48	S	2	bc	*
Yarmouth ...	29.41	55	52	ESE	3	c	3
Rochefort ...	29.52	57	55	SW	5	r	*

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 Saturday, 29 May, 1897.

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 ...	30·16	58	Z	0	c	30·17	+·05	66	56	+11	Z	0	b	5	c	#	68	43	-
	Hernösand ...	30·06	57	NE	6	c	30·00	-·06	56	51	-1	NE	2	b	#	c	#	66	39	-
	Stockholm ...	29·89	59	NE	4	0	29·84	-·04	61	56	+4	ESE	4	0	#	0	#	61	52	0·04
	Wisby	29·75	64	SSE	4	0	29·78	+·03	62	60	0	SSE	4	0	#	0	#	70	45	0·04
	Karlstad ...	29·76	64	E	6	c	29·73	-·09	59	57	-3	ESE	2	0	#	c,r	#	#	#	0·12
	Bodö	30·07	60	ENE	1	b	30·05	·00	?58	55	-3	E	5	b	1	b	#	61	52	-
	Christiansund ...	29·78	69	ESE	4	b	29·60	-·29	63	54	+4	ESE	4	c	3	b	#	70	59	-
	Skudesnaes ...	29·51	61	ENE	7	0	29·59	-·13	51	49	-7	SSE	6	0	4	0	#	65	37	#
	Færder (Christiania Fjord)	29·67	63	ENE	5	0	29·67	-·13	55	?	-3	SW	3	c	2	0	#	63	54	0·28
	Skagen (The Scaw)																#			
	Fanö	29·52	52	W	3	c	29·68	+·16	55	54	-2	SSW	4	b	#	c	#	61	50	0·20
	Sumburgh Head	29·51	53	NE	3	0	29·29	-·36	47	47	-4	ESE	4	0	5	c,0	#	55	46	0·13
	Stornoway ...	29·38	55	E	4	r	29·05	-·38	51	50	+1	Z	0	c	1	Z,c,r	5·5	61	38	0·05
	Wick	29·42	47	SE	2	r	29·20	-·31	50	49	+2	S	4	bc	4	rf	#	53	43	0·15
	Nairn	29·34	50	E	3	0	29·12	-·33	53	50	-5	SSE	1	c	1	0	#	60	42	0·19
	Aberdeen ...	29·35	46	ENE	4	ogqr	29·24	-·26	48	46	+1	SSE	5	cgq	4	ogr.rq	0·0	49	45	0·78
	Leith	29·26	49	E	2	r	29·21	-·23	52	49	+4	SW	3	c	#	r	#	52	42	0·29
	Shields	29·26	48	E	2	cr	29·35	-·07	54	49	+6	SW	2	c	2	f,c,r	#	54	45	0·15
	Spurn Head ...	29·29	55	WSW	3	c	29·49	+·12	55	53	+4	SW	5	bc	4	c,f2p,c	#	56	48	-
	York	29·28	55	SE	1	0	29·45	+·07	55	49	0	SSW	3	bc	#	c,0	3.9	64	46	0·15
	Loughborough ...	29·33	55	S	1	c	29·53	+·16	54	51	+4	SW	4	bc	#	cp,c,bc	#	59	47	0·10
British Islands.	Ardrossan ...	29·22	55	S	1	cm	29·20	-·18	50	49	-4	S	1	bc	5	cm,rm	#	59	46	0·34
	Malin Head ...	29·24	51	ESE	4	cm	?29·14	-·20	49	48	-2	SSW	6	0	3	b,cm,r	#	57	47	0·72
	Belmullet ...	29·26	54	W	1	bc	29·20	-·11	52	49	-2	WSW	5	c	#	0,bc	#	58	47	-
	Donaghadee ...	29·26	50	SSW	2	op	29·23	-·14	51	48	-1	SW	6	b	4	op	#	56	45	0·47
	Liverpool (Bidston)	29·29	54	Z	0	r	29·44	+·10	53	48	+4	SW	3	bc	3	pt	#	56	46	0·80
	Holyhead ...	29·27	52	SW	2	c	29·38	+·04	52	49	+2	SSW	4	cp	3	bcp,c	#	64	46	0·14
	Parsonstown ...	29·24	49	NE	1	r	29·30	00	53	48	+3	S	1	bc	#	c,phr	3·4	61	42	0·31
	Valencia ...	29·30	52	SW	4	bc	29·24	-·05	51	48	-3	S	5	op	4	r,bc	9.0	54	45	0·32
	Roche's Point ...	29·30	55	NW	1	bc	29·34	+·02	55	51	+2	SW	4	bc	4	p,bc	#	56	48	0·15
	Pembroke (St. Ann's Hd.)	29·31	52	W	5	r	29·44	+·11	53	52	+1	SW	6	oq	5	c,r	3·3	55	49	0·13
	Scilly	29·41	56	SW	4	c	29·48	+·12	55	53	+2	S	5	c	3	m,c	3.1	57	50	0·01
	Prawle Point ...	29·40	50	SW	4	0	29·60	+·23	51	51	+2	SSW	5	op	4	op	#	54	48	0·06
	Jersey (St. Aubin's)	29·48	56	SSW	4	ogr	29·70	+·26	56	54	+4	S	4	ogp	3	gpv	#	56	51	0·05
	Hurst Castle ...	29·43	53	SW	4	ou	29·64	+·31	56	54	+6	SSW	5	om	3	0	#	56	50	-
	Dungeness ...	29·46	54	SSW	5	c	29·70	+·30	56	55	+6	SSW	5	c	4	cp,c	#	56	48	0·05
	North Foreland	29·47	55	SSW	4	bc	29·71	+·29	57	51	+3	SW	4	c	3	c,bc	#	58	48	0·04
	London (Brixton) ...	29·42	54	SW	3	c	29·66	+·28	57	50	0	SW	2	bc	#	bcphr	5·5	59	48	0·09
	Oxford	29·40	52	S	2	0	29·59	+·25	55	50	+3	SSW	3	bc	#	cp	#	60	47	0·03
	Cambridge ...	29·39	53	SSW	1	bc	29·61	+·22	55	52	+2	SSW	3	b	#	cpt	8·6	61	45	0·16
	Yarmouth ...	29·39	55	SSW	4	bc	29·61	+·21	57	52	+3	SW	5	c	3	b,bc	#	58	49	-
Germany & Holland.	Cuxhaven ...	29·50	54	W	5	r	29·76	+·31	57	53	+4	S	2	0	#	r	#	64	46	0·43
	Berlin	29·63	58	W	4	0	29·80	+·49	57	54	-4	SW	2	b	#	0	#	68	50	1·10
	Wiesbaden ...	#	#	#	#	#	29·89	+·37	58	55	+1	SW	2	0	#	#	#	64	55	-
	Munich	29·86	50	SW	2	b	30·06	+·48	55	51	+5	W	5	c	#	b	#	55	44	0·28
	The Helder ...	29·52	57	SW	2	b	29·69	+·27	55	53	-2	WSW	4	b	2	b	#	59	50	0·08
Belgium. France &	Brussels ...	#	#	#	#	#	29·82	+·29	58	53	+4	SW	3	0	#	0	#	62	51	-
	Cape Gris Nez ...	29·48	55	SW	5	c	29·70	+·26	55	53	+4	WSW	5	bc	5	c	#	57	48	0·16
	Paris	29·63	54	SSW	2	0	29·86	+·27	59	58	+9	SSE	3	c	#	0	#	62	?	-
	Brest	29·52	55	W	4	0	29·63	+·18	54	53	+4	SSW	4	r	2	b	#	55	46	0·47
	Lorient	29·63	56	W	6	r	29·71	+·20	55	55	+5	SSW	5	f	5	r	#	61	50	0·20
	Rochefort ...	29·73	60	W	6	0	29·87	+·22	60	59	+7	SW	5	c	#	0	#	63	53	0·39
	Belfort	29·74	55	WSW	3	0	29·97	+·30	58	54	+10	WSW	5	0	#	0	#	60	49	0·08
	Lyons	29·79	60	S	3	0	30·01	+·23	60	55	+9	SE	3	b	#	0	#	66	51	-
	Nice	29·69	65	SW	1	c	29·95	+·50	61	52	-1	E	1	b	2	c	#	68	54	-
	Perpignan ...	29·90	65	E	2	0	30·04	+·21	64	57	+4	SE	2	b	#	0	#	78	52	-
	Biarritz ...	29·85	64	W	3	c	29·90	+·12	64	62	+6	Z	0	b	5	c	#	68	57	-
Penin-sula.	Corunna ...																#			
	Lisbon	30·09	61	SW	4	bc	30·08	·00	62	59	+1	SW	4	0	#	bc	#	64	59	-
	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 6·1 hrs;

WEATHER CHARTS

FOR Saturday, 29th May, 1897.

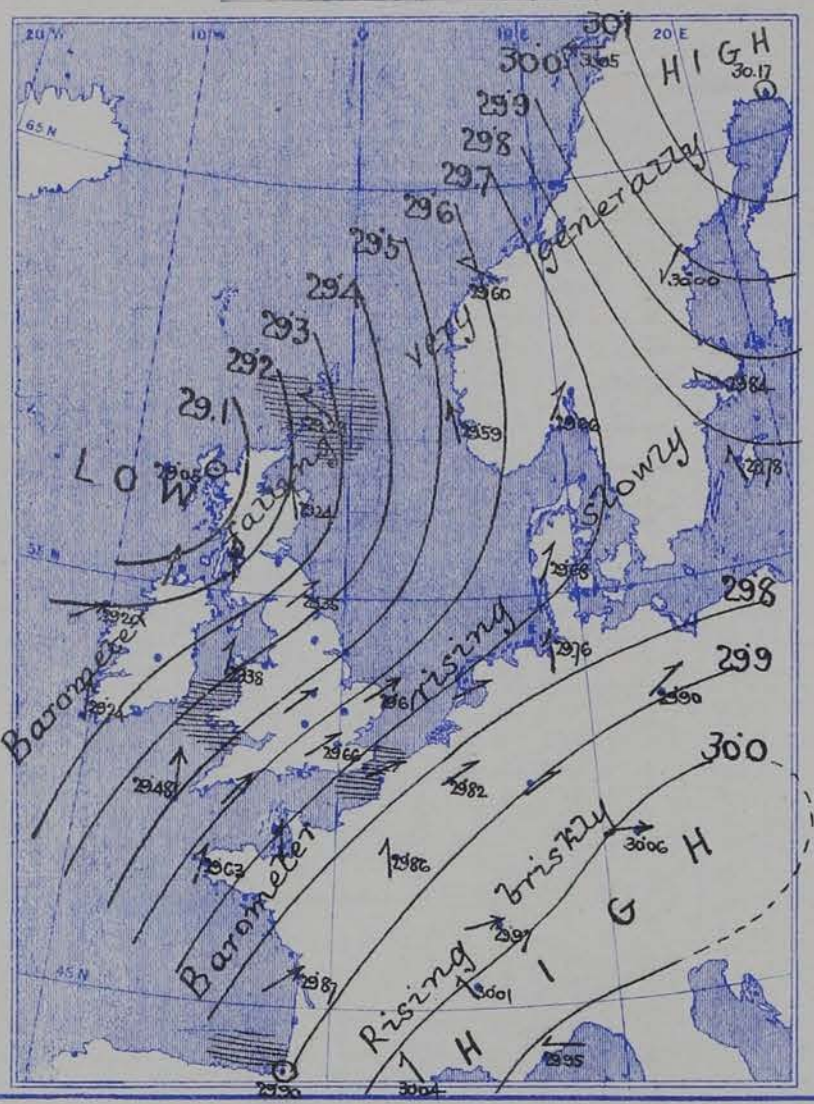
BAROMETER, WIND AND SEA.

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* ▓

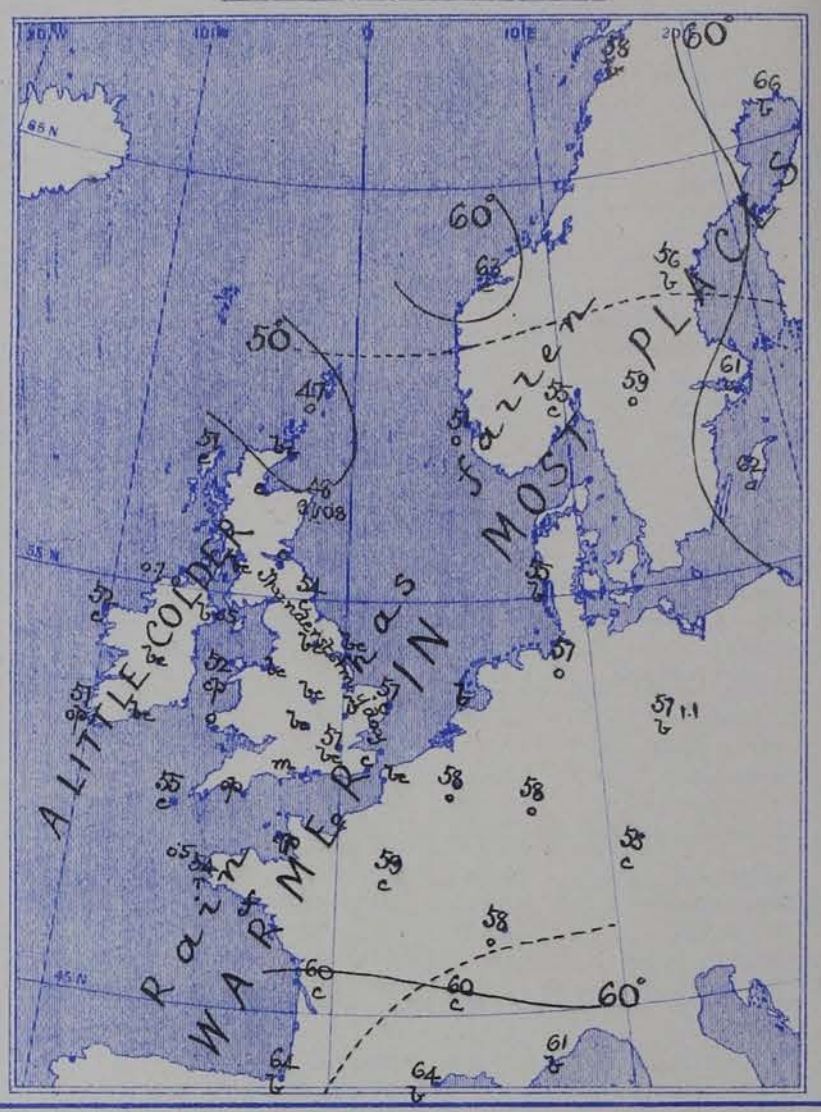


TEMPERATURE & WEATHER.

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 MAY.

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 . 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 to 29·8 ins: over Lapland: Finland, and the northern half of Sweden (2) 30 Ains: to 29·8 ins: over France and Germany.
Lowest, Below 29·1 ins: off the northwest coasts of Scotland.
Gradients moderate, but increasing, for SW winds.
Barometer rising in the east and south, falling in the west; the fall is spreading northwards and eastwards.

TEMPERATURE

Highest (1) 64° to 60° over the southern and southwestern parts of France, 59° at Paris, 57° at Berlin and in London: (2) 66° at Haparanda, 61° at Stockholm.
Lowest, 47° at Scilly Light Hse, 49° at Malin Head, 50° at Aberdeen and Wick.
The highest of the maxima recorded during the past day were 64° at York and Holyhead, 61° at Parsonstown and Cambridge, 60° at Oxford: 68° at Haparanda and Berlin, 78° at Perpignan.

WIND

E to S and moderate at the Scandinavian stations, SE to S over Scotland, SW to S over England and Ireland, SW and light over France.
It is freshening at our southwestern and southern stations generally.

WEATHER

Temporarily fair at our northern and eastern stations, showery in the west.
Rain has fallen at almost all stations; it has been heavy at Aberdeen and Malin Head and considerable at several of our northwestern stations. At Berlin the fall has exceeded an inch. Thunder and hail have occurred in many localities.
Bright Sunshine recorded yesterday was variable locally — 9 hrs at Valencia, 8·6 hrs at Cambridge, 5·5 hrs in London and at Stornoway, none at Aberdeen.

SEA

Rather rough at some northern and eastern stations, moderate in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northwest is moving northwards, but a new one is advancing towards Valencia from the Atlantic. A continuation of showery weather is probable.

FORECASTS

For the 24 hours ending at NOON on 30th MAY, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE 24h to SW 24h winds; rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	S 24h and SW 24h winds, freshening; rainy, unsettled.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 to 2.
7	ENGLAND N.W.	S 24h to W 24h winds, fresh or strong; considerable falls of rain.
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 ...	29.63	65	64	ENE	3	o	2
Sumburgh Head	29.62	52	50	E	1	c	4
Stornoway	29.42	60	59	E	3	c	3
Aberdeen	29.46	47	47	NE	3	ogrm	3
Shields	29.34	48	48	NE	2	f	2
Ardrossan	29.24	53	53	NE	3	o	2
Malin Head ...	29.29	57	55	E	3	b	1
Belmullet	29.28	57	53	SSE	1	o	*
Holyhead	29.33	55	50	SW	1	be p	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.27	51	50	SSE	1	o	3
Scilly	29.37	53	52	S	4	m	3
Jersey	29.48	55	53	SSW	4	o	3
Hurst Castle ...	29.42	55	53	SW	4	O	3
Dungeness ...	29.45	53	52	SSW	5	cp	4
North Foreland	29.44	57	50	SSW	4	c	3
London (Westminster)	29.38	56	50	SSW	3	cp	*
Yarmouth ...	29.39	58	51	SSE	5	b	4
Rochefort ...	29.65	61	61	W	6	o	*

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

Weather in morning fine over northern Europe generally, as well as over the southern and western parts of the Mediterranean; cloudy more or less elsewhere, showery in several parts of the British Islands, the Netherlands, and Central Europe. Rain falling later over the British Islands and northwestern Europe generally, the falls being large over the northwestern parts of our Islands and at Berlin, and considerable at many of the western stations; thunder and lightning occurring in many parts of England.

Temperature in morning highest 73° at Sfax, 68° at Algiers, 66° at Barcelona, and above 60° over the Mediterranean as a whole; (2) 68° at Memel, 66° at Riga, and above 60° at most of the Russian stations and in Finland, 61° at Bodö. Lowest 47° at Aberdeen, 48° at Wick, 49° at Liverpool, and 50° at Stornoway and several of our other stations. Changing filfully later, but rising to 70° at Christiansund and Horby, and 78° at Perpignan, but not exceeding 64° in any part of the British Islands.

Wind moderate to light from the E. over all the northern parts of Europe and the British Islands, but SE. to SW. over England, SW. to W. over France. A well defined cyclonic circulation prevailing over the Riviera and the northern parts of the Mediterranean.

Barometer highest 30·1 ins: and more to 29·8 ins: (1) over Northern Europe, (2) over the north of Africa and the Spanish Peninsula. Lowest below 29·3 ins: over the west of Ireland and adjacent parts of the Atlantic; below 29·4 ins: over England; 29·4 ins: to 29·5 ins: in a hollow stretching from the east of England over the Netherlands, Germany, and Austria and below 29·5 ins: over the Riviera. Rising over France and the southern parts of England later, falling in Scotland and 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.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 30th May, 1897.

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 ...	30·06	66	L	0	b	30·22	+ ·05	64	57	— 2	SSE	2	b	*	b	*	77	46	—
	Hernösand ...	29·93	54	E	2	c	30·26	+ ·26	60	56	+ 4	SSW	4	b	*	c	*	66	52	028
	Stockholm ...	29·95	57	L	0	b	30·17	+ ·33	61	56	0	W	2	b	*	b	*	61	54	059
	Wisby	30·02	50	E	2	f	30·19	+ ·41	52	49	— 10	NNW	4	b	*	f	*	61	46	016
	Karlstad ...	29·97	57	SSW	2	fb	30·16	+ ·43	56	52	— 3	S	2	b	*	b	*	*	*	—
	Bodö	29·89	66	ESE	5	b	29·97	— ·08	49	47	— 9	SW	6	o	2	b	*	73	46	—
	Christiansund ...	29·78	53	E	2	o	29·94	+ ·34	56	51	— 7	SE	3	b	2	o	*	54	50	—
	Skudesnaes ...	29·81	51	S	8	o	29·92	+ ·33	54	51	+ 3	SSE	7	o	5	r.o	*	54	45	*
	Færder (Christiania Fjord)	29·91	57	SSW	4	o	30·09	+ ·42	56	55	+ 1	SE	2	o	2	o	*	57	54	—
	Skagen (The Scaw)	30·01	52	W	1	b	30·11	+ ·35	59	56	+ 5	S	2	b	0	b	*	64	50	—
	Fanö	29·96	56	SE	4	c	30·04	+ ·36	60	57	+ 4	SSW	4	b	*	c	*	61	55	—
	Sumburgh Head	29·41	50	SE	4	c	29·56	+ ·27	51	49	+ 4	SSE	4	b	6	o,c	*	55	47	0·01
	Stornoway ...	29·18	53	SSW	7	bc	29·42	+ ·37	49	48	— 2	S	3	c	4	r.bc	6·2	55	40	0·07
	Wick	29·44	52	SE	5	bc	29·55	+ ·35	51	50	+ 1	SE	4	o	5	bc	*	57	48	—
	Nairn	29·29	59	SSW	2	c	29·49	+ ·37	57	56	+ 4	W	1	bc	1	c	*	61	45	0·01
	Aberdeen ...	29·42	50	SSE	5	bcq	29·62	+ ·38	50	47	+ 2	S	5	oq	4	bcq.p	9·8	56	48	0·01
	Leith	29·39	57	SW	1	c	29·58	+ ·37	53	49	+ 1	S	2	o	*	c	*	61	49	—
	Shields	29·51	52	SSE	3	c	29·60	+ ·25	50	48	— 4	SSW	3	r	2	p.thr.c	*	60	44	0·17
	Spurn Head ...	29·60	53	SSE	4	o	29·73	+ ·34	55	55	0	SW	4	o	4	c.p.	*	62	48	0·11
	York	29·50	58	S	1	cp	29·72	+ ·27	52	51	— 3	S	1	r	*	cp	10·5	64	48	0·30
	Loughborough ...	29·60	57	SW	3	c	29·78	+ ·20	63	52	— 1	SW	2	or	*	cp.or	*	62	49	0·69
British Islands.	Ardrossan ...	29·31	55	S	6	cq	29·51	+ ·31	52	52	+ 2	S	3	c	3	c	*	53	49	0·05
	Malin Head ...	29·14	55	SSW	5	cq	29·30	+ ·16	54	52	+ 5	S	6	bc	3	thr.cq	*	59	46	0·16
	Belmullet ...	29·18	51	WSW	3	c	29·24	+ ·04	51	50	— 1	S	4	o	*	bc.c	*	56	47	0·20
	Donaghadee ...	29·31	54	S	7	b	29·50	+ ·27	53	52	+ 2	S	7	bc	5	b	*	58	47	0·21
	Liverpool (Bidston)	29·52	58	SSW	4	bc	29·64	+ ·20	55	50	+ 2	SSE	2	b	3	p.bc	*	60	47	0·08
	Holyhead ...	29·45	54	SSW	7	bcq	29·58	+ ·20	55	51	+ 3	S	5	bm	4	cq.bcq	*	57	49	—
	Parsonstown ...	29·29	52	SW	2	c	29·40	+ ·10	54	49	+ 1	S	2	oq	*	c.pt.o	9·5	59	48	0·12
	Valencia ...	29·35	52	SSW	6	op	29·38	+ ·14	54	51	+ 3	S	5	c	5	op	9·0	55	47	0·45
	Roche's Point ...	29·43	54	SW	5	cp	29·48	+ ·14	53	51	— 2	SW	5	cp	4	cp	*	56	50	0·10
	Pembroke (St. Ann's Hd.)	29·49	55	WSW	6	bc	29·64	+ ·20	54	53	+ 1	SW	6	cq	5	bc	10·8	55	48	0·43
	Scilly	29·61	57	SSW	5	c	29·66	+ ·18	57	54	+ 2	SSW	5	c	4	c	7·9	60	51	—
	Prawle Point ...	29·71	52	SSW	5	c	29·77	+ ·17	52	53	+ 3	SSW	4	cp	3	cp.r	*	55	50	0·22
	Jersey (St. Aubin's)	29·78	58	SSW	5	op	29·83	+ ·13	59	56	+ 3	SSW	4	opq	3	opq	*	59	54	0·36
	Hurst Castle ...	29·75	56	SW	4	o	29·81	+ ·17	55	54	— 1	SSW	4	ow	2	o	*	57	53	0·26
	Dungeness ...	29·80	54	SW	4	c	29·88	+ ·18	56	55	0	S	5	oq	4	cp.c	*	59	53	0·02
	North Foreland	29·79	58	SSW	4	bcpq	29·90	+ ·19	59	55	+ 2	S	4	o	3	bc	*	62	53	0·03
	London (Brixton) ...	29·73	58	SW	3	bc	29·84	+ ·18	60	56	+ 3	S	3	c	*	or.bc	5·7	61	54	0·10
	Oxford	29·74	55	S	4	b	29·80	+ ·21	58	54	+ 1	SSW	3	ow	*	b.p	*	60	51	0·11
	Cambridge ...	29·69	60	SW	4	b	29·80	+ ·19	62	59	+ 7	SSW	4	o	*	b	8·4	63	51	0·03
	Yarmouth ...	29·71	57	S	4	c	29·82	+ ·21	63	58	+ 6	S	5	b	4	c	*	63	53	0·01
Germany & Holland.	Cuxhaven ...	29·95	61	N	1	c	30·07	+ ·31	66	60	+ 9	S	2	b	*	c	*	64	54	—
	Berlin	30·05	66	L	0	bc	30·17	+ ·27	65	60	+ 8	SE	2	b	*	bc	*	72	54	—
	Wiesbaden ...	*	*	*	*	*	30·11	+ ·22	64	60	+ 6	L	0	b	*	*	*	72	54	—
	Munich	30·15	58	NE	2	b	30·18	+ ·12	61	57	+ 6	E	4	b	*	b	*	70	46	—
	The Helder ...	29·83	61	SSW	2	r	29·95	+ ·26	64	60	+ 9	S	1	b	1	r	*	64	54	—
Belgium.	Brussels ...	*	*	*	*	*	29·99	+ ·17	69	62	+ 11	SE	4	b	*	b	*	70	56	0·04
	Cape Gris Nez ...	29·83	56	W	4	c	29·87	+ ·17	63	57	+ 8	SSW	4	c	4	c	*	64	52	0·20
	Paris	29·97	65	SSW	2	b	29·97	+ ·11	65	59	+ 6	SE	2	bc	*	b	*	71	55	0·04
	Brest	29·75	56	SSW	3	o	29·76	+ ·13	54	52	0	S	4	r	3	o	*	57	45	0·39
	Lorient	29·82	57	SW	5	r	29·83	+ ·12	57	57	+ 2	SW	5	f	5	r	*	63	55	0·16
France &	Rochefort ...	29·91	67	NW	2	b	29·84	— ·01	64	62	+ 4	S	3	c	*	b	*	73	57	—
	Belfort	29·99	70	WSW	2	b	30·04	+ ·07	62	58	+ 4	E	4	b	*	b	*	73	51	—
	Lyons	29·98	74	E	1	b	30·03	+ ·02	64	57	+ 4	S	1	b	*	b	*	78	54	—
	Nice	30·05	64	W	1	b	30·05	+ ·10	67	59	+ 6	L	0	b	0	b	*	72	54	—
	Perpignan ...	30·02	66	E	2	b	30·04	·00	63	60	— 1	W	1	o	*	b	*	73	57	—
	Biarritz ...	29·90	77	NNW	2	bc	29·89	— ·01	70	63	+ 6	SW	2	bc	4	bc	*	81	66	—
Peninsula.	Corunna ...	30·08	62	SW	3	bc	30·05	— ·03	64	61	+ 4	SW	4	o	*	bc	*	68	61	—
	Lisbon	30·11	60	WNW	3	b	30·15		60	54		NNW	4	bc	3	b	*	66	55	—
	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 11·0 hrs;

WEATHER CHARTS

FOR SUNDAY, 30th MAY, 1897.

BAROMETER, WIND AND SEA.

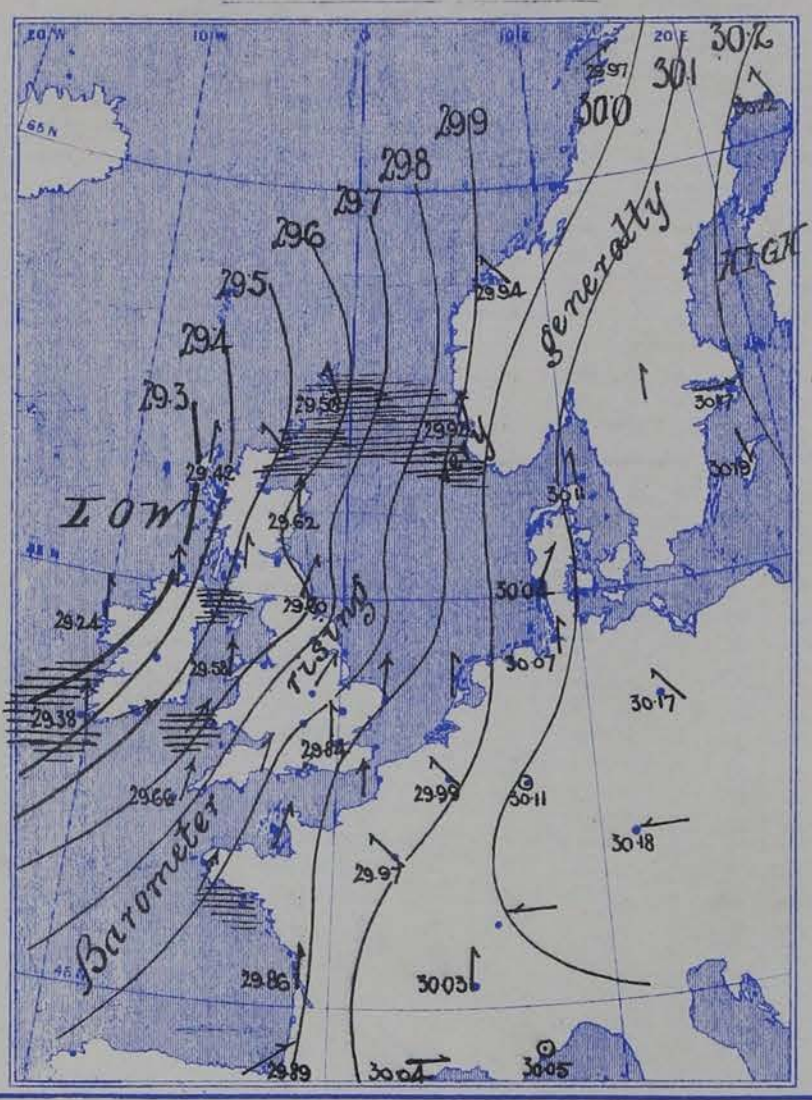
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▓

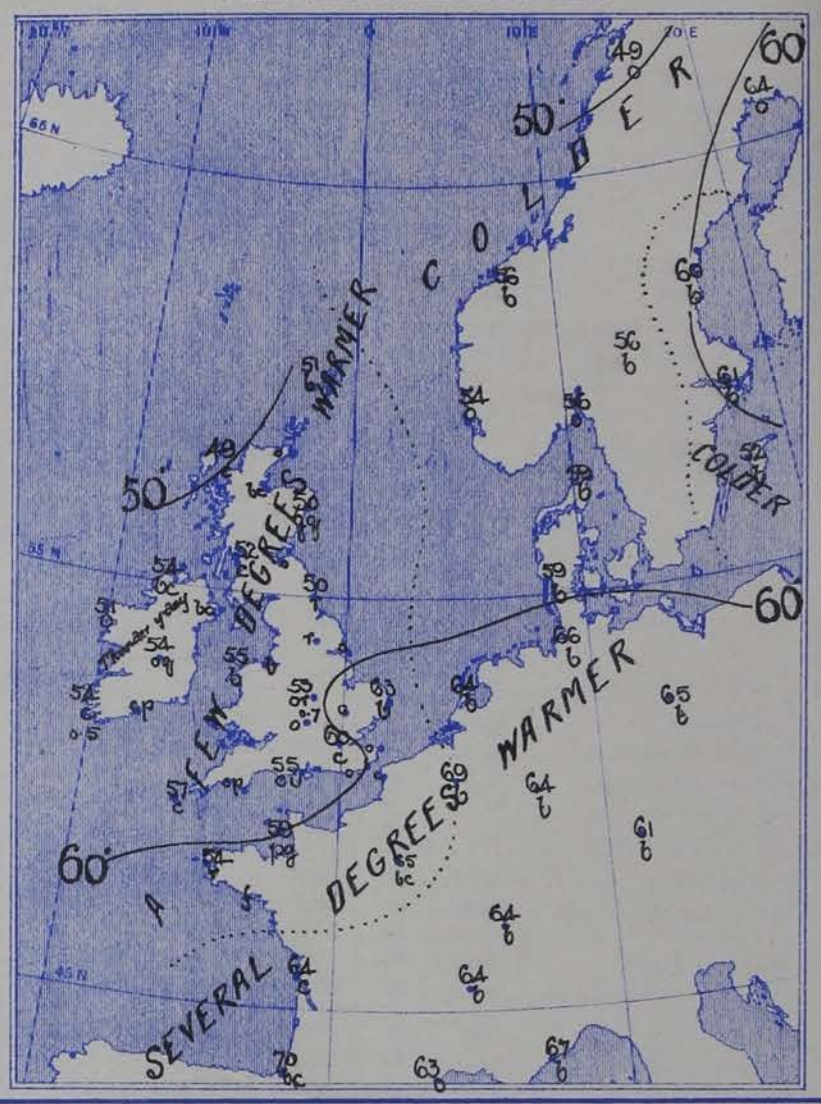


TEMPERATURE & WEATHER.

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 MAY.*

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 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 . 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 . 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 . 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* 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 Haparanda, and ranging between 30·2 in: and 30·0 in: over Central Europe, the Baltic, Sweden, and Denmark, and also over the southwest of Spain

Lowest, 29·3 in: and less, off the northwest of Ireland, and below 29·3 in: over the north of Spain.

Gradients rather steep over the British Islands, especially in the northwest.

Barometer falling over Spain, apparently rising elsewhere.

TEMPERATURE

Highest, 70° at Biarritz, 69° at Brussels, 67° at Nice, and above 60° at most of the Continental stations, as well as over the east of England.

Lowest, 49° at Bodö and Stornoway, 50° at Aberdeen and Shields, 51° at Scarborough Hd and Wick, and 52° at York.

The maximum readings recorded yesterday, ranged from 60° to 63° over the greater part of England, and touched 72° at Berlin, 71° at Paris, 78° at Lyons and 81° at Biarritz. The past night has been fairly warm.

WIND

Moderate from between SW. and SE. over our Islands and the northwest and north of France, light and anticyclonic over the Continent.

It has been very stormy on our northwest coasts during the past twentyfour hours, and has blown a fresh gale in the Minch.

WEATHER

Squally in the north and west, gusty and changeable in other parts of our Islands, very fine over the Continent.

Rain has fallen in most parts of our Islands and the north of France as well as in Sweden. Thunder has occurred at Roscoff.

Bright Sunshine recorded yesterday varied from about 11 hrs at Southport, Pembroke, and York to about 6 hours at Stornoway and in London.

SEA

Rather rough in the west and north, moderate to slight elsewhere

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 31st May, 1897.

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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.68	54	52	SSE.	6	r	4	Valencia	29.24	51	49	SSW	4	op	5
Sumburgh Head	29.35	50	49	ESE.	4	o	5	Scilly	29.56	59	54	SSW	5	c	3
Stornoway	29.06	50	50	SSW	8	r	9	Jersey	29.74	58	57	SW	4	opq	3
Aberdeen	29.35	55	49	SSE.	6	bcq	5	Hurst Castle ...	29.67	55	55	SSW	5	c	3
Shields	29.47	57	51	SSW	3	p	2	Dungeness ...	29.73	56	56	SSE	4	cp	3
Ardrossan	29.29	53	53	S	5	bm	5	North Foreland	29.75	55	54	S	4	pq	3
Malin Head ...	29.14	56	53	SSW	5	c	2	London (Westminster)	29.67	57	55	SSW	4	or	*
Belmullet	29.18	55	51	SW	3	bc	*	Yarmouth ...	29.68	59	54	SSW	5	c	4
Holyhead	29.42	56	52	SSW	6	cq	5	Rochefort ...	29.90	71	68	S	5	c	*

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

Weather in morning changeable over the whole of our Islands and the greater part of Northwestern Europe, but temporarily fair over England, rather squally and showery at our northern and western stations and over Brittany, fine and bright over northern Europe and also over the Mediterranean. Rain falling later all over the United Kingdom, Brittany, and the north of France, as well as over Sweden — rather heavily at Stockholm, Loughborough, Valencia and Paris; thunder occurring at Pressontown.

Temperature risen decidedly over France, fallen a little over Central Europe. Morning readings 71° at Algiers, 69° at Barcelona, 68° at Friele, and above 60° over Russia; 56° at Haparanda. Rising during day to between 63° and 60° in many parts of our Islands, and to 71° at Paris, not touching 72° at Berlin, 73° at Rochefort, 78° at Lyons, and 81° at Biarritz.

Wind (1) SW over the Bay of Biscay and France, SW to S over our Islands — strong at the northwestern stations, moderate elsewhere, SE to E over northern Europe, and fresh as a whole. Light and variable, but cyclonic, over Southeastern Europe; light and anticyclonic from the SW over Spain. Increasing to a gale later over the Minch, and blowing very strongly on our northwestern coasts generally; freshening over England also.

Barometer highest 30·1 ins: and more to 29·9 ins: both over southwestern and northern Europe. Lowest (1) 29·1 ins: and less, off the northwest of Scotland, and (2) below 29·7 ins: over the Black Sea and several adjacent parts of southeastern Europe. Gradients rather steep over the British Islands and the English Channel. Rising later over the United Kingdom and northwestern Europe, but general distribution not of a settled type.

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 31st May, 1897.

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 ...	30·15	55	S	2	bc	30·22	·00	53	50	— 11	S	4	b	*	bc	*	72	43	—
	Hernösand ...	30·19	59	S	2	b	30·24	+ ·18	68	58	+ 8	L	0	b	*	b	*	70	48	—
	Stockholm ...	30·25	62	L	0	b	30·25	+ ·08	69	58	+ 8	NE	2	b	*	b	*	70	57	—
	Wisby	30·25	53	ENE	4	b	30·22	+ ·03	55	50	+ 3	NE	4	b	*	b	*	63	45	—
	Karlstad ...	30·22	64	L	0	b	30·28	+ ·12	69	59	+ 11	ENE	2	b	*	b	*	*	*	—
	Bodö	29·96	58	L	0	b	30·22	+ ·25	51	48	+ 2	SW	6	b	4	b	*	59	49	—
	Christiansund ...	29·81	50	SE	4	0	30·19	+ ·25	57	53	+ 1	ESE	2	c	2	0	*	66	52	—
	Skudesnaes ...	30·08	53	SSE	6	c	30·10	+ ·18	59	55	+ 5	ESE	6	c	4	c	*	59	48	*
	Færder (Christiania Fjord)	30·19	61	S	1	m	30·28	+ ·19	58	57	+ 2	NNE	2	m	2	m	*	61	52	—
	Skagen (The Scaw)	30·20	66	L	0	b	30·25	+ ·14	61	58	+ 2	SSE	1	m	0	b	*	77	55	—
	Fanö	30·11	65	SE	4	b	30·12	+ ·08	63	59	+ 4	SE	5	b	*	b	*	79	59	—
British Islands.	Sumburgh Head	29·74	52	S	4	b	29·80	+ ·24	49	49	— 2	E	3	0	6	b	*	53	45	0·19
	Stornoway ...	29·61	53	SSW	2	0	29·77	+ ·35	51	51	+ 2	L	0	0	0	p,0	7·2	55	45	0·05
	Wick	29·73	55	SE	5	bc	29·78	+ ·23	51	51	0	NW	1	f	2	bc,r	*	51	47	0·20
	Nairn	29·67	61	SSW	4	c	29·76	+ ·27	55	54	— 2	W	1	c	1	c	*	66	48	0·07
	Aberdeen ...	29·80	53	SSE	4	bcq	29·82	+ ·22	57	53	+ 7	SSW	2	bc	2	bcq,r	9·1	57	45	0·23
	Leith	29·72	60	SSW	5	0	29·82	+ ·26	60	54	+ 7	WSW	2	0	*	0	*	65	49	0·07
	Shields	29·77	57	ESE	3	c	29·88	+ ·28	58	53	+ 8	SSW	1	bc	2	r,c,r	*	64	48	0·19
	Spurn Head ...	29·82	55	ESE	3	c	29·94	+ ·21	59	56	+ 3	SW	3	bc	3	c,fbp	*	62	52	0·33
	York	29·80	59	SSE	2	c	29·92	+ ·20	56	53	+ 4	S	2	bc	*	c	6·6	66	48	0·13
	Loughborough ...	29·80	63	SSE	2	0	29·95	+ ·22	55	53	+ 2	SSE	2	bcur	*	c,or,bc	*	66	49	0·05
	Ardrossan ...	29·68	55	SSE	5	b	29·80	+ ·29	54	53	+ 2	ESE	1	om	2	b	*	55	48	0·10
	Malin Head ...	29·52	53	S	3	cp	29·65	+ ·35	54	53	0	ESE	5	cg	2	cp	*	59	47	0·20
	Belmullet ...	29·39	53	S	4	0	29·56	+ ·32	52	50	+ 1	ESE	3	0	*	0	*	54	47	0·06
	Donaghadee ...	29·65	55	S	7	b	29·77	+ ·27	53	51	0	SSE	6	b	4	b	*	58	48	—
	Liverpool (Bidston)	29·72	63	SSE	2	0	29·87	+ ·23	57	52	+ 2	SE	2	bc	2	c,or	*	64	46	0·19
	Holyhead ...	29·71	55	S	4	c	29·79	+ ·21	57	53	+ 2	SE	5	bcm	4	c	*	59	50	—
	Parsonstown ...	29·51	58	SE	3	c	29·59	+ ·19	54	50	0	SE	2	r	*	bcq,c	7·1	60	49	0·02
	Valencia ...	29·43	52	S	5	cp	29·50	+ ·12	55	52	+ 1	SSE	4	cp	4	cp	1·9	57	48	0·64
	Roche's Point ..	29·57	54	SSW	5	c	29·62	+ ·14	52	51	— 1	SSW	5	p	4	c	*	57	50	0·20
	Pembroke (St. Ann's Hd.)	29·71	53	SSW	6	c	29·76	+ ·12	54	53	0	SW	6	bq	5	c	10·0	55	52	—
	Scilly	29·72	57	S	5	c	29·76	+ ·10	58	55	+ 1	S	5	cp	4	c	8·9	61	53	0·01
	Prawle Point ...	29·83	50	S	3	c	29·91	+ ·14	55	53	+ 1	S	4	bc	3	p,c	*	55	49	0·14
	Jersey (St. Aubin's)	29·87	57	WSW	4	op	29·99	+ ·16	57	53	— 2	SE	3	bc	3	op,g	*	66	50	0·06
	Hurst Castle ...	29·85	55	WSW	3	rm	29·97	+ ·16	55	54	0	SSW	3	bc	2	rm	*	62	52	0·18
	Dungeness ...	29·83	62	ENE	2	bc	29·99	+ ·11	56	54	— 1	WSW	1	c	0	bc,fl	*	68	52	—
	North Foreland	29·85	59	SE	3	bc	30·01	+ ·11	57	53	— 2	SE	2	0	1	bc,l	*	67	51	0·04
	London (Brixton) ...	29·81	70	SSE	1	c	29·99	+ ·15	60	55	0	SW	2	bc	*	bcr,fbr,c	5·2	72	49	0·40
	Oxford	29·85	54	SW	2	0	29·97	+ ·17	55	53	— 1	S	2	bc	*	0,r	*	65	48	0·39
	Cambridge ...	29·83	70	SSW	1	b	29·99	+ ·19	56	54	— 6	SW	2	b	*	b,fbr	3·3	70	48	0·43
	Yarmouth ...	29·87	60	SSE	4	b	29·96	+ ·14	56	54	— 7	W	2	bc	3	b,fbr	*	64	51	0·17
Germany & Holland.	Cuxhaven ...	30·07	63	S	2	bc	30·08	+ ·01	64	60	— 2	ESE	2	b	*	bc	*	75	54	—
	Berlin	30·13	69	NE	3	b	30·13	— ·04	63	56	— 2	E	3	b	*	b	*	79	57	—
	Wiesbaden ...	*	*	*	*	*	30·04	— ·07	66	61	+ 2	NE	2	b	*	*	*	79	57	—
	Munich	30·10	60	E	3	b	30·10	— ·08	61	57	0	E	5	b	*	b	*	72	48	—
	The Helder ...	29·93	70	ESE	1	b	29·98	+ ·03	65	61	+ 1	SW	1	b	1	b	*	75	64	—
Belgium.	Brussels ...	*	*	*	*	*	30·02	+ ·03	65	60	— 4	NW	2	b	*	b	*	80	59	—
	Cape Gris Nez ...	29·85	65	E	2	r	29·98	+ ·11	55	54	— 8	W	2	0	2	r	*	70	52	0·39
	Paris	29·89	78	SSE	3	b	30·06	+ ·09	57	56	— 8	S	1	r	*	b	*	84	55	—
	Brest	29·75	54	SSW	2	bc	29·89	+ ·13	54	53	0	S	4	bc	3	bc	*	59	50	0·08
	Lorient	29·93	55	W	3	bc	29·95	+ ·12	56	54	— 1	SW	4	bc	4	bc	*	64	52	0·16
France &	Rochefort ...	29·92	63	NW	5	bc	29·98	+ ·12	59	58	— 5	ESE	2	0	*	bc	*	75	55	—
	Belfort	29·92	72	E	3	b	29·97	— ·07	66	60	+ 4	L	0	b	*	b	*	79	55	—
	Lyons	29·93	77	S	1	b	29·99	— ·04	68	58	+ 4	NNW	1	b	*	b	*	82	57	—
	Nice	29·99	69	SW	1	b	29·95	— ·10	71	56	+ 4	L	0	b	0	b	*	75	61	—
	Perpignan ...	29·98	64	NE	1	0	29·99	— ·05	63	62	0	NE	2	0	*	0	*	72	59	—
	Biarritz ...	29·99	62	S	1	b	29·93	+ ·04	60	59	— 10	E	3	0	4	0,fbr	*	81	55	0·24
Peninsula.	Corunna ...																*			
	Lisbon	30·07	57	NNW	3	0	30·04	— ·01	60	54	— 4	NNE	4	0	*	0	*	66	57	0·48
	Azores (P. Delgada)	30·25	57	NNW	1	b	30·23	+ ·08	59	54	— 1	NNW	3	bc	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 6·2 hrs;

WEATHER CHARTS

FOR MONDAY, 31st MAY, 1897.

BAROMETER, WIND AND SEA.

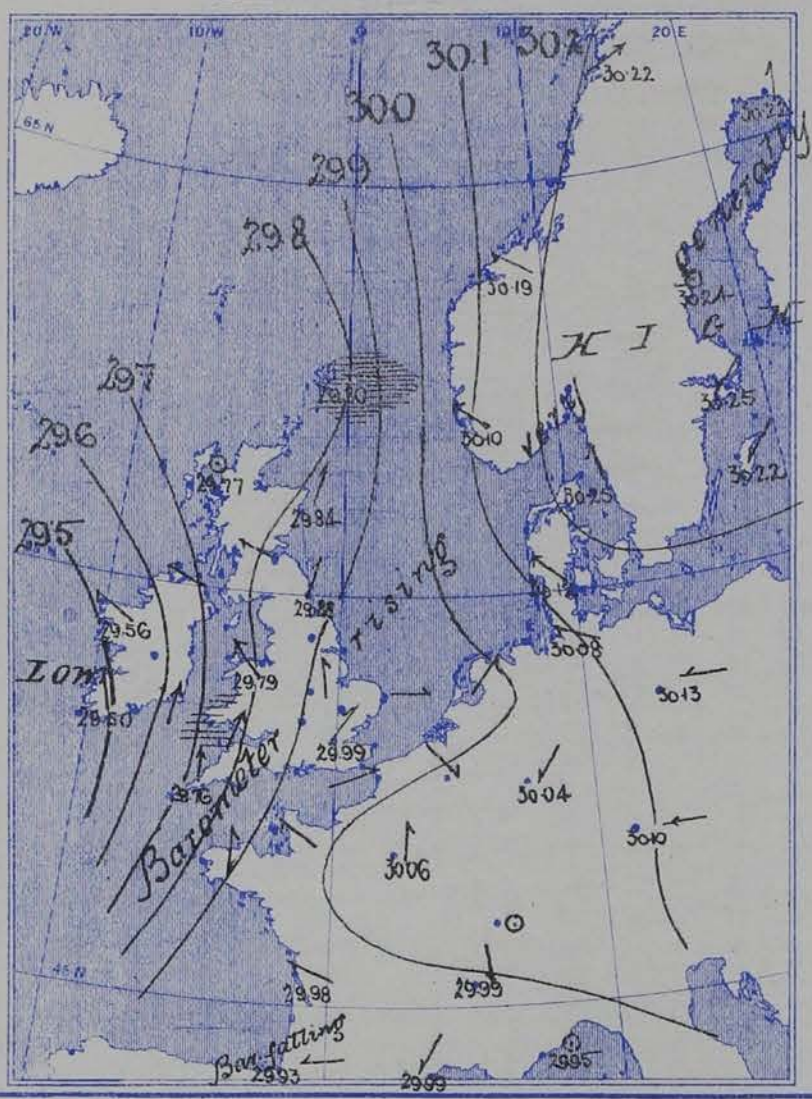
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▬

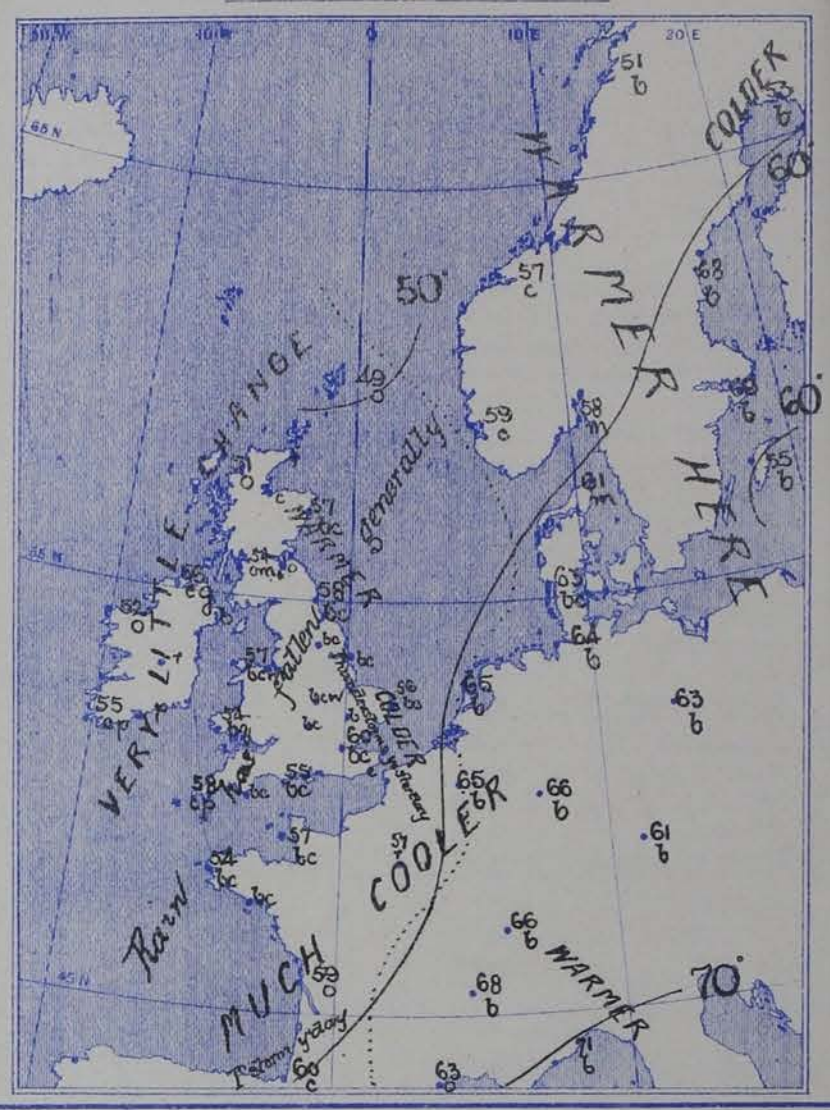


TEMPERATURE & WEATHER.

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 MAY.

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	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29 956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29 941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29 984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* 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 over Sweden and Norway and exceeding 30.0 ins. over the other countries lying to the eastward of the North Sea.
Lowest 29.5 ins. at Valencia and still lower over the neighbouring parts of the Atlantic.
Gradients moderate for S.ly winds in the west, slight and very variable in the east.
Barometer rising in most places, falling at Biarritz.

TEMPERATURE

Highest 69° at Stockholm, 68° at Hernösand and Lyons, 65° at Brussels, 60° in London.
Lowest 46° at Sumburgh Hd., 51° at Bodo, Stornoway and Wick, 52° at Belmullet, 54° at Pembroke.
The highest of the maxima recorded yesterday were 66° at York, Loughborough and Jersey, 70° at Cambridge, 72° in London, 79° at Berlin, 84° at Paris, 82° at Lyons.

WIND

(1) SE. to SW.; and fresh, at our western stations and over Brittany, S. to SW.; and light over England.
(2) Over Germany and France they were light and variable, and over the Bay of Biscay SE. to E.

WEATHER

Squally and showery on our SW. coasts, temporarily fine in the N. and E., but not settled anywhere. Rain fell yesterday at almost all our own stations and in some parts of France; the largest falls reported were 0.64 in. at Valencia, and 0.40 in. in London. Bright Sunshine yesterday was 10 hrs. at Pembroke, 9 hrs. at Scilly and Aberdeen, 5 hrs. in London.

SEA

Rough at Sumburgh Hd. and Pembroke, moderate in the west generally, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 1ST JUNE. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying S. winds, passing showers, thunder in some places.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE. to SW. winds, fresh at times showery, thunderstorms in places, bright intervals.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S. and SW. winds, fresh; showery.
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 ...	29.89	58	54	SSE	7	o	5
Sumburgh Head							
Stornoway	29.53	59	59	WSW	2	op	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.39	56	55	S	6	op	3
Belmullet							*
Holyhead							
Valencia							
Scilly							
Jersey	29.88	65	61	SW	4	op	3
Hurst Castle ...							
Dungeness ...							
North Foreland	29.91	64	60	SSE	3	bc	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.86	73	68	SW	3	bc	*

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

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 23RD TO 29TH MAY 1897.

The fine dry but somewhat harsh weather which had been prevalent over our Islands during the preceding week gave way suddenly after Monday, and with a shift of wind to the S. and SW^wd. showery weather began to spread steadily over the Kingdom, while thunderstorms of considerable severity were experienced in many localities. Temperature rose, and the air became much softer. The total rainfall for the week ranged from an inch and a half to about three quarters of an inch at many of our western and northern stations, but over our eastern counties it was, as a whole less than 0.4 inch.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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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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.		Temperatures.			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	Corunna	30·07	58	N	3	b	29·97	-·09	57	52	- 1	N	3	o	1	b	-	59	50	0·24
3	Corunna	29·90	59	N	6	c	30·09	-	53	-	-	N	6	r	5	c	-	63	50	0 04
4	Corunna	30·17	56	N	6	b	30·36	+·27	56	52	+ 3	NE	4	o	?	b	-	?	?	-
5	Corunna	30·34	58	N	7	bc	30·32	-·04	55	50	- 1	NE	3	b	4	bc	-	59	50	-
6	Corunna	30·31	55	N	6	b	30·32	·00	54	51	- 1	NE	4	o	6	b	-	57	50	0·04
..	Azores (P. Delgada)	30·47	59	ENE	3	b	30·44	+·01	59	54	0	ENE	3	bc	2	b	-	66	55	-
7	Corunna	30·34	57	NNE	6	o	30·38	+·06	55	50	+ 1	NE	3	bc	5	o	-	59	50	-
8	Corunna	30·37	57	N	7	b	30·38	·00	55	52	0	NE	3	b	3	b	-	61	43	-
10	Corunna	30·21	63	NNE	6	b	30·11	-·18	60	55	+ 1	NE	3	b	3	b	-	64	54	-
11	Corunna	29·97	62	NE	6	b	29·93	-·18	57	54	- 3	NE	4	o	3	b	-	64	52	-
12	Corunna	29·93	60	NNE	6	b	29·99	+·06	53	52	- 4	E	3	bc	3	b	-	64	50	-
13	Corunna	30·05	64	NE	7	o	30·17	+·18	55	49	+ 2	NE	3	b	2	o	-	64	48	-
..	Lisbon	29·91	59	NNW	3	b	29·98	+·12	63	59	+ 2	NNE	2	b	-	b	-	70	57	-
-	Azores (P. Delgada)	30·26	59	NE	4	o	30·27	+·08	59	54	0	NE	4	o	2	o	-	63	55	-
14	Corunna	30·15	60	NE	7	b	30·25	+·08	55	50	0	NE	1	b	2	b	-	61	45	-
15	Corunna	30·11	70	NE	3	b	30·02	-·23	59	54	+ 4	NE	2	b	?	b	-	72	50	-
17	Corunna	29·95	68	NE	4	b	29·90	-·07	60	53	0	NE	1	b	2	b	-	70	48	-
18	Corunna	29·84	62	N	6	b	29·91	+·01	61	57	+ 1	E	1	b	4	b	-	63	50	-
19	Corunna	29·92	61	N	3	b	29·91	·00	61	58	0	NNW	1	bc	2	b	-	63	52	-
20	Corunna	29·89	61	W	2	bc	29·86	-·05	59	57	- 2	SSW	1	b	2	bc	-	66	52	-
21	Corunna	29·82	62	W	2	o	29·74	-·12	59	59	0	SSW	1	f	2	o	-	64	54	0·08
22	Corunna	29·70	63	SW	2	c	29·70	-·04	59	52	0	W	1	c	4	c	-	63	54	-
24	The Helder	29·64	52	NNE	4	o	29·79	+·13	54	-	+ 5	NE	5	c	4	o	-	54	48	0·04
..	Corunna	29·69	57	NW	4	f	29·84	+·16	60	56	+ 2	W	2	b	4	f	-	61	52	-
25	Corunna	29·88	60	NW	4	b	29·91	+·07	60	56	0	N	3	o	3	b	-	61	48	-
26	Lyons	29·76	59	N	1	o	29·70	-·11	57	53	+ 1	NNE	1	b	o	o	-	68	53	-
-	Corunna	30·12	63	NNW	3	o	30·26	+·35	62	57	+ 2	NNE	1	o	3	o	-	63	54	-
27	Corunna	29·88	55	W	6	r	29·80	-·46	59	54	- 3	SW	6	o	3	r	-	62	50	0·08
28	Lyons	29·55	57	N	1	bc	29·78	+·19	51	47	- 2	S	1	bc	-	bc	-	66	43	0·16
29	Skagen	29·57	63	N	4	m	29·76	+·07	54	51	- 4	SW	1	b	o	m	-	68	46	0·16
-	Corunna	29·88	66	SW	4	o	29·91	-	64	58	-	S	5	b	2	o	-	68	55	-
..	Azores (P. Delgada)	30·21	63	WSW	4	o	30·12	-	64	-	-	SW	4	o	4	o	-	66	61	-
31	Corunna	29·99	63	SW	3	bc	30·01	-	59	54	-	SW	2	b	3	bc	-	66	48	-

REPORTS FOR MAY 1897.

2. CORRECTIONS.

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.			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 Yester-day.	Dry Bulb.	Wet Bulb.	Change since Yester-day.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun-shine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
..	Belmullet	-	-	-	-	-	-	-	-	-	-	SW	-	-	-	-	-	-	-	-
-	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-
5	Prawle Point	-	-	-	-	-	-	-	47	-	- 2	-	-	-	-	-	-	-	-	-
..	North Foreland	-	-	-	-	-	29.98	- 19	-	-	-	-	-	-	-	-	-	-	-	-
6	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
7	Oxford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-
9	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
14	Christiansund	-	-	-	-	-	30.12	- .01	-	-	-	-	-	-	-	-	-	-	-	-
-	Malin Head	-	-	-	-	-	30.09	- .20	-	-	-	-	-	-	-	-	-	-	-	-
16	Aberdeen	-	-	-	-	-	30.52	+.14	-	-	-	-	-	-	-	-	-	-	-	-
..	Belmullet	-	-	-	-	-	30.43	+.15	-	-	-	E	-	-	-	-	-	-	-	-
17	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.0	-	-	-
-	Scilly	-	-	-	-	-	30.13	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Hurst Castle 2pm	-	-	-	-	-	30.05	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-
19	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
..	Valencia	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-
20	Hurst Castle 2pm	-	-	-	-	-	-	-	67	65	-	-	-	-	-	-	-	-	-	-
25	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
..	Malin Head	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	0.02
26	Roche's Point	-	-	-	-	-	29.61	- .28	-	-	-	-	-	-	-	-	-	-	-	-
..	North Foreland 2pm	-	-	-	-	-	-	-	59	-	-	-	-	-	-	-	-	-	-	-
27	Roche's Point	-	-	-	-	-	-	- .50	-	-	-	-	-	-	-	-	-	-	44	-
29	Malin Head	-	-	-	-	-	29.04	- .30	-	-	-	-	-	-	-	-	-	-	-	-
..	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?59	-	-
..	Jersey 2pm	-	-	-	-	-	-	-	57	-	-	-	-	-	-	-	-	-	-	-