METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1898.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards over the Spanish Peninsula, the Bay of Biscay & the W^m. parts of France.
Lowest 29.5 ins. and less in a large shallow depression lying off the W. of Norway; 29.6 ins. and less in a secondary area extending S^wds. over the North Sea and the N^rn. parts of Gt. Britain.
Gradients moderate over Ireland and the S. of England, but slight elsewhere.
Barometer falling in our Islands and the neighbouring parts of the Continent.

TEMPERATURE

Highest 66° at Lisbon, 63° at Nice, 61° at Perpignan, 57 at Hurst Castle and Biarritz, and 56° in London.
Lowest 41° at Stornoway, 42° at Nairn, 43° at Malin Hd., and 44° at Sumburgh Hd. & Wick.
The maxima registered yesterday were below 60° over the greater part of the United Kingdom, and below 50° in the extreme N. of Scotland. At Leith, Dungeness and Cambridge, however, the thermometer rose to 61°.

WIND

Moderate to fresh from the NW^wd. in the west and north of our Islands and the west of France.
Light from the SW^wd. in the east and the southeast of England and the adjacent parts of the Continent; S^ly. in Denmark. SE^ly. in the west of Norway, W^ly. in Germany.

WEATHER

Very changeable and showery over the whole of our Islands, with hail at Wick & Malin Hd.
Rainy over the Netherlands and at Belfort, fine in the south of France and also over Norway, Denmark and N. Germany.
Since yesterday morning rain has fallen over W^n. Europe generally, but the amount has been mostly slight.

SEA

Moderate or slight generally, but rather rough at Stornoway and Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems in the N. and E. are inclined to move slowly westwards. Changeable showery weather is likely to continue for a time over the whole of our Islands.

FORECASTS

For the 24 hours ending at NOON on 1^ST JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly. to W^ly. winds moderate or fresh, unsettled, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW^ly. winds light or moderate, changeable, showery.
6	SCOTLAND WEST	NW^ly. winds, fresh or strong, unsettled, rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.51	48	43	WNW	6	c	2
Sumburgh Head	29.48	43	41	WNW	4	r	4
Stornoway	29.73	50	45	NW	5	c	5
Aberdeen	29.69	55	46	WNW	4	bcq	2
Shields	29.76	52	48	WSW	3	c	2
Ardrossan	29.78	52	50	W	3	c	2
Malin Head ...	29.82	49	49	WNW	5	pz	3
Belmullet	29.98	54	53	NNW	4	o	*
Holyhead	29.88	58	55	W	5	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.13	54	53	NW	4	ow	4
Scilly	30.08	56	54	WNW	5	ow	2
Jersey	30.05	59	55	W	5	bc	4
Hurst Castle ...	29.93	60	56	WNW	3	ow	2
Dungeness ...	29.90	55	51	SE	3	c	2
North Foreland	29.90	54	50	SE	2	bc	1
London (Westminster)	29.90	58	52	NW	3	op	*
Yarmouth ...	29.86	54	48	ESE	3	b	3
Rochefort ...	30.09	61	59	NW	4	o	*

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

Continental information not yet received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

January to June 1898.

WYMAN AND SONS, LTD LITH LONDON 30/3.7.98.

DAILY WEATHER REPORT

for 8 a.m. on Sunday 1st May, 1898.

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 ...	30·27	36	2	0	c	30·27	−·15	36	33	−5	2	0	o	#	c	#	48	30	—
	Hernösand ...	30·36	32	2	0	b	30·30	−·18	38	32	+4	2	0	b	#	b	#	46	19	—
	Stockholm ...	30·38	37	2	0	b	30·31	−·09	44	37	+2	E	2	b	#	b	#	46	32	—
	Wisby	30·28	38	ESE	4	b	30·27	−·03	48	41	+3	SE	4	o	#	b	#	50	32	—
	Karlstad ...	30·27	45	SE	2	c	30·25	−·12	42	35	+1	NNE	2	c	#	c	#	#	#	—
	Bodö	30·30	42	2	0	b	30·23	−·19	46	40	0	E	4	b	1	b	#	48	37	—
	Christiansund ...	30·13	51	ESE	1	b	30·04	−·19	48	44	+2	SE	2	b	1	b	#	55	43	—
	Skudesnaes ...	30·04	48	SE	6	c	29·92	−·15	47	43	+1	SE	6	o	3	b,c	#	54	45	#
	Færder (Christiania Fjord)	30·21	46	ENE	2	c	30·18	−·13	41	38	+1	E	4	o	2	c	#	46	39	—
	Skagen (The Scaw)	30·15	47	SE	3	bc	30·10	−·10	45	42	+3	SE	4	o	1	bc	#	54	41	—
	Fanö	29·94	45	E	6	o	29·93	+·02	49	48	+4	SSW	2	o	#	o	#	57	45	0·12
	Sumburgh Head	29·77	43	ESE	7	r	29·56	−·24	44	44	+2	ESE	8	r	8	o,r	#	45	41	027
	Stornoway ...	29·43	49	ESE	6	bc	29·43	−·07	44	43	−3	W	3	r	3	o,bc	3·8	51	41	025
	Wick	29·53	45	S	8	o	29·37	−·25	48	46	+3	SW	2	o	9	o	#	48	43	015
	Nairn	29·48	50	ESE	4	c	29·45	−·08	45	43	−3	WSW	3	o	2	c	#	56	41	017
	Aberdeen ...	29·55	44	SE	6	c	29·53	−·07	49	46	+5	SW	5	cq	6	gg,c	2·1	49	43	013
	Leith	29·35	48	SE	3	o	29·63	+·12	50	46	+10	SW	3	b	#	o	#	56	44	0·10
	Shields	29·35	45	ESE	5	r	29·75	+·19	54	48	+6	SW	4	c	3	r	#	54	43	018
	Spurn Head ...	29·46	52	SSW	5	c	29·83	+·22	51	48	+4	S	3	c	3	c	#	52	42	006
	York	29·36	50	S	4	o	29·82	+·24	50	46	+3	S	1	c	#	r,o	1·0	54	46	020
	Loughborough ...	29·50	52	SW	4	c	29·85	+·27	48	45	+2	SE	2	omw	#	rq,bc,c	#	53	38	010
British Islands.	Ardrossan ...	29·30	49	NE	4	omw	29·65	+·19	48	47	−1	SSW	5	b	4	om	#	55	45	018
	Malin Head ...	29·32	45	SE	1	r	29·57	+·25	48	47	0	SW	4	b	3	o,r	#	51	44	025
	Belmullet ...	29·35	50	WSW	3	bcp	29·58	+·34	46	44	−3	SSW	4	b	#	o,bcp	#	52	44	003
	Donaghadee ...	29·28	47	E	6	r	29·68	+·24	50	47	+2	WSW	4	b	2	r	#	51	39	023
	Liverpool (Bidston)	29·39	50	SW	4	c	29·78	+·30	49	45	+3	SW	2	bc	2	rq,cq	#	52	41	015
	Holyhead ...	29·36	47	SW	6	bc	29·73	+·33	51	49	+3	S	3	c	2	rng,bc	#	52	45	047
	Parsonstown ...	29·41	48	W	1	c	29·64	+·36	49	46	+3	SE	1	c	#	ep,c	1·9	51	38	028
	Valencia ...	29·48	51	SW	6	bc	29·58	+·37	51	47	+2	SSE	3	bc	3	oq,bc	5·6	54	42	010
	Roche's Point ..	29·51	54	W	5	bc	29·64	+·40	51	49	+7	SSW	4	c	4	bc	#	55	44	006
	Pembroke (St. Ann's Hd.)	29·55	50	W	7	b	29·72	+·52	47	45	−1	? W	4	r	5	b	5·7	51	42	010
	Scilly	29·69	53	SW	5	c	29·68	+·60	53	49	+6	S	4	c	4	c	9·2	55	46	009
	Prawle Point ...	29·71	50	WSW	6	c	29·78	+·51	48	47	0	ESE	5	c	4	cq	#	51	46	003
	Jersey (St. Aubin's)	29·80	55	WSW	5	bc	29·82	+·33	50	49	−3	ESE	4	rm	3	cm,bc	#	56	42	009
	Hurst Castle ...	29·71	51	SW	5	bcm	29·85	+·34	50	48	+1	S	3	ow	2	cm,bcm	#	53	48	—
	Dungeness ...	29·71	51	SW	6	bc	29·90	+·21	49	48	0	SE	2	o	2	bc	#	54	46	003
	North Foreland	29·71	52	SW	7	bc	29·92	+·22	50	48	+1	SE	2	c	1	bc	#	55	43	003
	London (Brixton) ...	29·66	53	SW	5	bc	29·89	+·26	50	48	0	S	2	o	#	pq,b	3·0	56	42	004
	Oxford	29·71	48	SW	3	bc	29·86	+·31	46	45	−2	SSE	2	oy	#	pq,bc	#	54	40	017
	Cambridge ...	29·59	55	SSW	5	b	29·90	+·26	50	46	+1	S	1	ow	#	pq,b	1·9	57	37	001
	Yarmouth ...	29·60	54	SSW	4	c	29·90	+·21	50	47	+2	SSE	4	bc	3	rq,c	#	54	41	005
Germany & Holland.	Cuxhaven ...	29·87	52	ESE	3	o	29·97	+·09	50	50	+3	WSW	2	bc	#	o,r	#	54	48	012
	Berlin	30·01	51	SE	2	o	30·06	+·15	50	48	+1	SE	3	o	#	o	#	54	47	012
	Wiesbaden ...	#	#	#	#	#	30·04	+·09	54	52	+3	2	o	o	#	#	#	64	49	—
	Munich	30·04	55	2	o	b	30·13	+·12	58	53	+5	W	2	b	#	b	#	63	45	—
	The Helder ...	29·73	55	ESE	2	r	29·95	+·19	51	49	0	SSW	1	b	1	r	#	61	46	004
Belgium.	Brussels ...	#	#	#	#	#	29·98	+·14	54	48	+4	SE	2	bc	#	o	#	63	45	—
	Cape Gris Nez ...	29·69	54	WSW	5	o	29·88	?	49	46	+2	S	2	o	2	o	#	59	41	004
	Paris	29·86	62	SW	4	bc	29·92	+·07	50	49	+2	E	2	r	#	bc	#	68	48	004
	Brest	29·80	53	SW	3	b	29·75	+·46	48	48	−6	ESE	3	r	4	b	#	55	48	025
	Lorient	29·88	55	WSW	4	bc	29·76	+·27	51	50	−3	ESE	4	r	5	bc	#	59	48	004
France &	Rochefort ...	29·89	56	2	0	bc	29·75	−·01	52	50	0	E	3	bc	#	bc	#	63	48	—
	Belfort	29·91	62	SW	3	o	29·98	+·04	57	51	+8	NE	5	c	#	o	#	66	46	—
	Lyons	29·94	66	S	1	b	29·98	+·03	57	51	+6	SSE	1	b	#	b	#	71	48	—
	Nice	29·98	58	2	o	b	30·99	+·16	56	54	+3	E	1	bc	0	b	#	64	? 46	—
	Perpignan ...	29·98	62	NE	1	b	29·97	+·01	57	55	+2	E	2	o	#	b	#	67	51	—
	Biarritz ...	29·90	59	NNW	3	o	29·77	−·05	59	56	−4	2	o	o	4	o	#	70	50	—
Peninsula.	Corunna ...																#			
	Lisbon	29·97	58	SW	4	b	29·92	−·12	60	56	+1	SSW	4	bc	#	b	#	64	57	—
	Azores (P. Delgada)	29·80	57	WNW	4	o	29·72	−·16	58	52	0	WNW	5	c	5	o	#	63	54	004

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.*

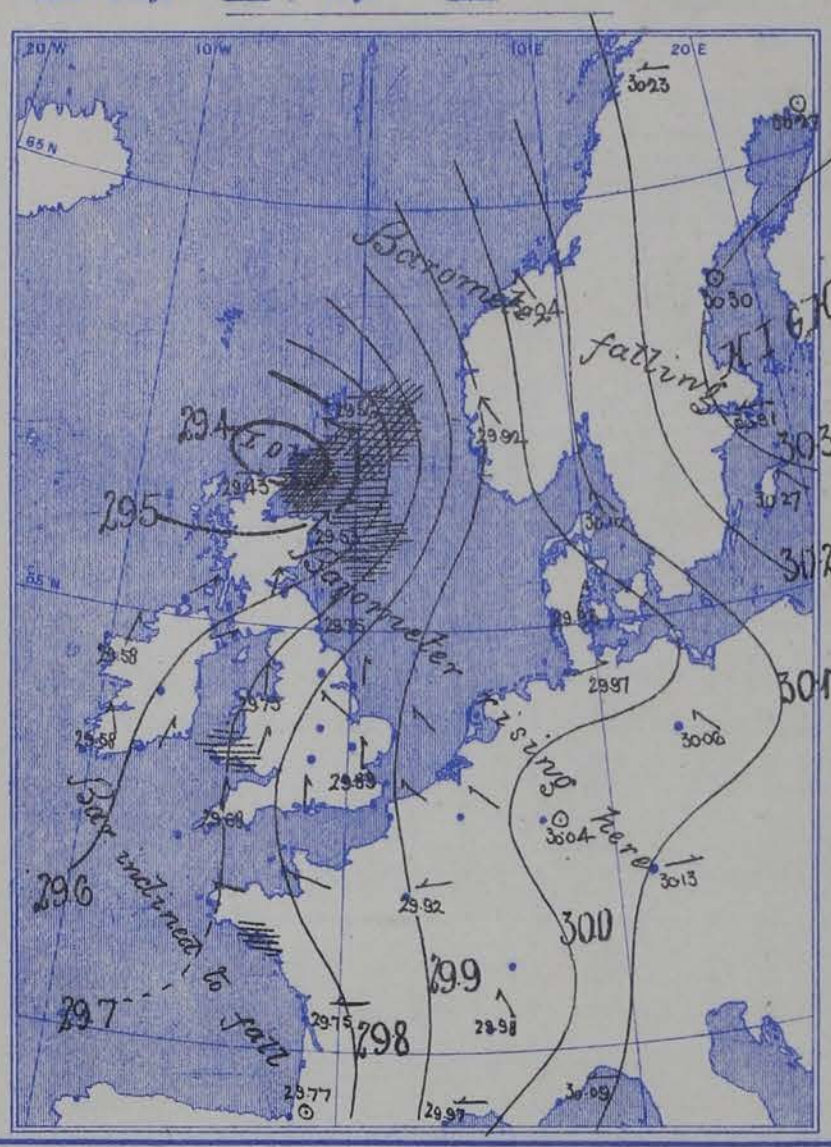
Bright Sunshine yesterday Southport..0·4 hrs;

WEATHER CHARTS

FOR Sunday, 1st May, 1898

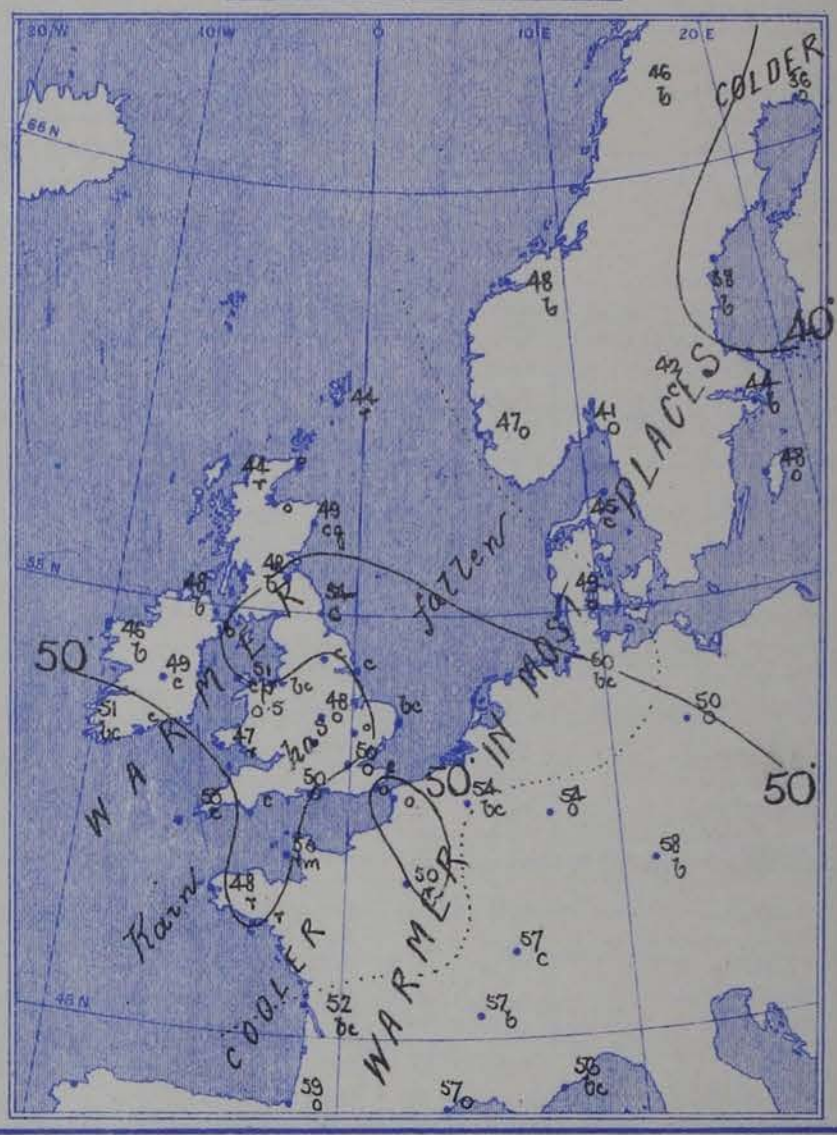
BAROMETER, WIND AND SEA.

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 more, over Scandinavia, the Baltic and Denmark, and exceeding 30·0 ins: all over Central Europe and the southeast of France.
Lowest, Below 29·4 ins: in a small depression over the north of Scotland and below 29·6 ins: in the southwest of Ireland.
Gradient steep between the Norwegian and Scotch coasts, moderate to slight, and variable elsewhere.
Barometer rising in most places, but a slight tendency to a fresh fall shown on our extreme southwestern coasts.

TEMPERATURE

Highest, 60° at Lisbon, 59° to 56° over the southern parts of France and Germany, 53° at Scilly, 51° in the south coast of Ireland and at Holyhead, 56° at Leith, 54° at Shields.
Lowest (1) 36° to 38° on the northeast coast of Sweden; (2) 44° at Dumbugh Hd. and Stornoway, 45° at Nairn, 46° at Belfast and at Oxford.
The maxima recorded yesterday varied from 55° to 51° in many parts of our Islands, and touched 64° at Wiesbaden, and 68° at Paris.

WIND

Moderate E. over France, SE. to S. over England and Ireland, SW. over Scotland, E. (a gale) at Dumbugh Head, SE. strong to moderate on the Norwegian coast.
The gales noticed in the south yesterday have completely subsided

WEATHER

Very changeable. Temporarily clear at several stations in Ireland, the north of England and over Scandinavia, dull and showery elsewhere – especially over England and France
Rain has fallen throughout our Islands and the north and west of France, but the falls were not large. Very squally conditions prevailed on our south and southwest coasts yesterday
Bright Sunshine recorded yesterday amounted to 9·2 hrs at Scilly, but at our other stations it ranged between 0·4 hr at Southport and 5·7 hrs at Pembroke.

SEA

Still exceedingly high in the far north, moderate to rather rough in the west, smooth in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 2nd May, 1898

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	The SOUTH CONE is still flying in districts 2, 3, and 5.

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 ...	30·08	53	49	SSE	6	7b	2
Sumburgh Head	29·81	44	43	ESE	7	o	8
Stornoway	29·48	50	48	SE	5	o	5
Aberdeen	29·57	45	45	SE	6	ogmq	8
Shields	29·52	47	46	E	4	r	4
Ardrossan	29·37	55	53	ENE	4	om	3
Malin Head ...	29·31	50	49	SE	4	o	3
Belmullet	29·31	51	47	SSE	3	o	*
Holyhead	29·19	48	47	E	5	rmg	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·38	50	47	WSW	6	cq	6
Scilly	29·54	54	50	WSW	7	c	6
Jersey	29·72	56	50	WSW	6	c	5
Hurst Castle ...	29·57	53	50	SW	6	cm	4
Dungeness ...	29·59	52	51	SE	6	rq	5
North Foreland	29·61	53	50	SSE	4	r	3
London (Westminster)	29·52	54	50	SW	6	o	*
Yarmouth ...	29·59	49	47	SE	6	orq	5
Rochefort ...	29·83	59	55	NW	5	o	*

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

Weather in morning still fine and bright over Scandinavia on the one hand, and fair over southern Europe on the other, becoming very dull, squally, and raing over the United Kingdom, and continuing unsettled over Central and Southeastern Europe as a whole, though improving in some localities. Squally showery weather prevailing over the United Kingdom later — the largest rainfall being 0·47 in. at Holyhead and above a quarter of an inch at several of our most western and northern stations.

Temperature changing uncertainly — falling over many parts of England and Ireland, but rising in the southwest of France and over Central Europe. Morning readings highest 69° at Algiers, 63° at Patras; exceeding 50° in many parts of France and Central Europe, 50° in London, 49° at Valencia. Rising later to between 50° and 57° over our Islands, to 64° at Wiesbaden, 68° at Paris, and 70° at Biarritz.

Wind S to SE, strong over the north of France and the western parts of the English Channel (gale from various directions over Devon and Cornwall, and from SE at Jersey), S to SE, and strong over the northern parts of the Kingdom and at Skudesnaes. E, and light over northern Europe, but very variable and light over the northern, central, and southern parts of Europe. Gale in Channel spreading eastwards later, but moderating at night; wind increasing over Irish Channel and north of England.

Barometer in morning. Highest (1) 30·4 in. to 30·0 in. over Scandinavia and the north of Russia; (2) 30·0 in. and more over the north of Africa and the southern half of Spain, and exceeding 29·9 in. over most of the southern parts of France. Lowest (1) below 29·2 in. off the west of Ireland, and below 29·1 in. to 29·2 in. in a small well-defined depression over the Scilly Islands and the adjacent parts of Cornwall, Devon, and the two Channels. Latter disturbance moving northwards later, and barometer rising fast at our southern stations and in France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 2nd May, 1898.

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 ...	30.23	33	NE	0	0	30.17	-.10	32	30	- 4	NE	0	b	*	0	*	48	30	-
	Hernösand ...	30.25	32	NE	0	b	30.19	-.11	38	32	0	NE	0	b	*	b	*	48	23	-
	Stockholm ...	30.28	41	SE	2	b	30.24	-.07	50	41	+ 6	ESE	2	b	*	b	*	54	30	-
	Wisby	30.27	41	SE	4	bc	30.21	-.06	50	43	+ 2	S	4	b	*	bc	*	54	36	-
	Karlstad ...	30.18	48	ESE	4	0	30.12	-.13	46	41	+ 4	SSE	4	0	*	0	*	*	*	-
	Bodö	30.15	48	NE	1	b	30.05	-.18	48	40	+ 2	E	4	b	1	b	*	50	37	-
	Christiansund ...	30.00	52	SE	1	b	30.01	-.03	49	44	+ 1	SE	1	bc	1	b	*	50	?43	-
	Skudesnaes ...	30.01	47	SE	3	c	29.92	.00	46	46	- 1	E	1	r	2	c	*	51	43	*
	Færder (Christiania Fjord)	30.14	43	NNE	1	0	30.02	-.16	43	41	+ 2	E	2	0	2	0	*	45	41	0.12
	Skagen (The Scaw)	30.10	45	S	4	0	29.95	-.15	45	44	0	ESE	3	r	0	0	*	48	43	0.20
	Fanö	29.96	51	E	2	c	29.79	-.14	53	52	+ 4	ESE	4	bc	*	c	*	66	48	-
	Sumburgh Head	29.69	47	SE	4	.0	29.79	+.23	47	46	+ 3	ESE	2	bc	5	0	*	47	44	0.13
	Stornoway ...	29.63	52	WSW	4	bc	29.69	+.26	48	46	+ 4	SW	3	0	3	0.bc	5.0	54	37	0.15
	Wick	29.68	55	NNE	2	c	29.75	+.38	43	40	- 5	SE	2	f	5	c	*	55	43	-
	Nairn	29.69	57	WSW	1	bc	29.72	+.27	52	49	+ 7	S	0	b	0	bc	*	59	40	-
	Aberdeen ...	29.75	47	S	4	b	29.79	+.26	48	44	- 1	S	3	bc	3	bc	7.7	57	42	-
	Leith	29.70	58	SW	2	b	29.72	+.09	49	44	- 7	E	1	bc	*	b	*	61	42	0.02
	Shields	29.75	52	SE	2	c	29.73	-.02	44	43	- 10	E	3	0	3	c	*	57	41	-
	Spurn Head ...	29.79	45	ESE	3	r	29.68	-.15	47	47	- 4	NE	3	0	3	c.r.m	*	52	43	0.12
	York	29.78	52	SSE	1	0	29.71	-.11	45	44	- 5	SE	1	0	*	c.0	4.1	57	42	0.01
	Loughborough ...	29.79	46	ESE	1	r	29.67	-.18	45	44	- 3	ENE	3	om	*	or.m.f	*	55	43	0.14
BRITISH ISLANDS.	Ardrossan ..	29.70	51	SSW	3	cp	29.68	+.03	48	45	0	E	2	om	2	cp	*	53	43	-
	Malin Head ...	29.61	51	S	3	c	29.62	+.05	49	48	+ 1	SE	5	bcm	2	b.tkr.c	*	58	42	0.01
	Belmullet ...	29.62	52	WSW	2	b	29.53	-.05	50	47	+ 4	ESE	4	0	*	b	*	54	41	0.03
	Donaghadee ...	29.69	50	SSE	5	c	29.65	-.03	47	45	- 3	ENE	5	c	3	c	*	55	44	0.01
	Liverpool (Bidston)	29.74	53	SE	3	c	29.62	-.16	47	43	- 2	E	3	0	?	cm	*	58	42	-
	Holyhead ...	29.71	52	N	1	cpa	29.56	-.17	47	46	- 4	ENE	4	opm	3	cpa	*	56	42	0.08
	Parsonstown ...	29.62	50	SE	1	bc	29.48	-.16	49	46	0	E	1	0	*	cp	6.3	56	42	0.08
	Valencia ...	29.57	55	SSE	2	bc	29.33	-.25	49	46	- 2	ENE	4	0	3	bc	12.2	57	46	0.01
	Roche's Point ..	29.64	52	S	3	c	29.40	-.24	50	48	- 1	ESE	5	0	4	p.c	*	55	47	-
	Pembroke (St. Ann's Ed.)	29.69	48	SE	4	0	29.44	-.28	50	48	+ 3	SE	6	ogu	4	c.0	4.3	53	46	0.12
	Scilly	29.63	51	SE	4	cp	29.35	-.33	52	51	- 1	ESE	5	r	3	cp	1.8	54	48	0.10
	Prawle Point ...	29.68	47	ENE	3	0	29.41	-.37	50	50	+ 2	ENE	4	0	2	or.rf	*	51	44	0.41
	Jersey (St. Aubin's)	29.70	58	W	0	0q	29.42	-.40	50	56	+ 9	ESE	5	cm	4	p.0	*	59	48	0.13
	Hurst Castle ...	29.71	52	ENE	1	or	29.51	-.34	52	51	+ 2	ENE	3	om	2	r.0	*	52	49	0.15
	Dungeness ...	29.72	52	E	1	c	29.57	-.33	52	52	+ 3	E	3	c	2	rc.tkr	*	54	47	0.26
	North Foreland	29.76	51	E	2	c	29.62	-.30	52	51	+ 2	E	2	cp	2	r.c	*	52	47	0.18
	London (Brixton) ...	29.73	48	ESE	2	r	29.59	-.30	52	51	+ 2	ENE	2	op	*	cp.c.op	0.6	53	48	0.25
	Oxford	29.75	45	NNE	2	r	29.57	-.29	50	50	+ 4	ENE	2	r	*	r	*	50	45	0.21
	Cambridge ...														*					
	Yarmouth ...	29.78	48	ENE	3	cv	29.69	-.21	48	47	- 2	NE	3	rm	4	cv	*	52	45	0.06
GERMANY & HOLLAND.	Cuxhaven ...	29.97	54	E	1	0	29.74	-.18	55	55	+ 5	SSE	2	c	*	0	*	56	50	0.35
	Berlin	30.02	59	SSW	3	b	29.97	-.04	55	51	+ 5	SE	2	b	*	b	*	68	46	0.08
	Wiesbaden ...	*	*	*	*	*	29.87	-.17	59	55	+ 5	W	0	b	*	*	*	72	50	-
	Munich... ..	30.02	57	SE	2	b	29.97	-.16	58	53	0	SE	3	b	*	b	*	70	45	-
	The Helder ...	29.81	51	E	2	r	29.74	-.21	53	52	+ 2	ESE	1	bc	1	r	*	57	45	0.39
BELGIUM.	Brussels ..	*	*	*	*	*	29.71	-.27	64	52	+ 10	ESE	2	0	*	b	*	64	53	0.16
	Cape Gris Nez ..	?	60	SSE	1	c	?	?	55	54	+ 6	E	2	r	1	c	*	61	48	0.28
	Paris	29.76	73	SW	3	b	29.66	-.26	54	53	+ 4	SSE	2	c	*	b	*	78	50	-
	Brest	29.67	54	WSW	2	c	?	?	53	52	+ 5	E	2	r	2	c	*	55	46	0.35
	Lorient... ...																*			
FRANCE &	Rochefort ...	29.73	63	NW	3	0	29.53	-.22	60	56	+ 8	SSE	5	0	*	0	*	73	52	-
	Belfort	29.83	60	NNE	2	c	29.83	-.15	60	56	+ 3	ENE	2	c	*	c	*	75	51	-
	Lyons	29.90	67	S	4	b	29.86	-.12	64	52	+ 7	S	5	c	*	b	*	74	57	-
	Nice	30.06	59	SW	2	bc	30.01	-.08	59	55	+ 3	SW	2	b	1	bc	*	66	52	-
	Perpignan ...	29.86	68	SW	1	0	29.88	-.09	59	58	+ 2	W	0	0	*	0	*	75	54	-
	Biarritz ...	29.66	82	SSE	4	0	29.60	-.17	72	61	+13	S	6	c	2	0	*	86	59	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.85	59	SSW	6	r	29.96	+.04	58	53	- 2	WSW	5	b	*	r	*	63	52	0.32
	Azores (P. Delgada)	29.97	56	NW	3	bc	29.98	+.26	59	53	+ 1	W	4	c	4	bc	*	61	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... 5.9. hrs;

WEATHER CHARTS

FOR Monday, 2nd May, 1898

BAROMETER, WIND AND SEA.

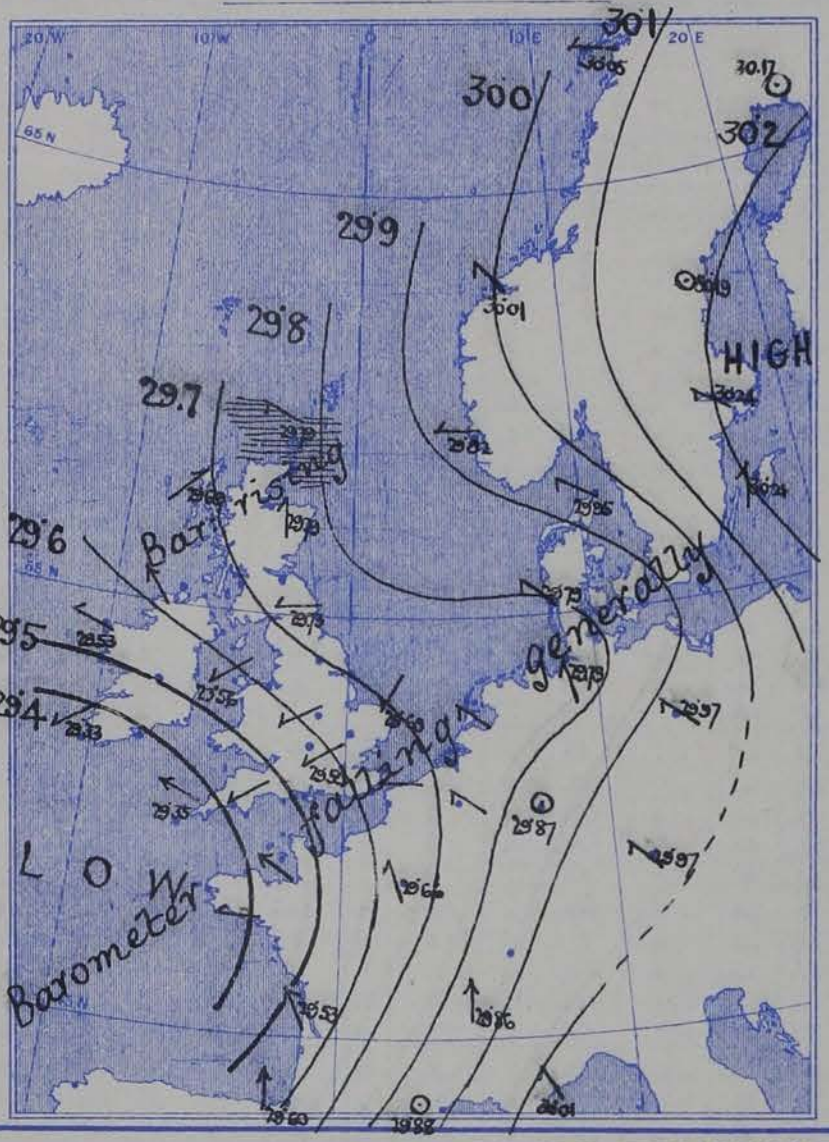
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▦

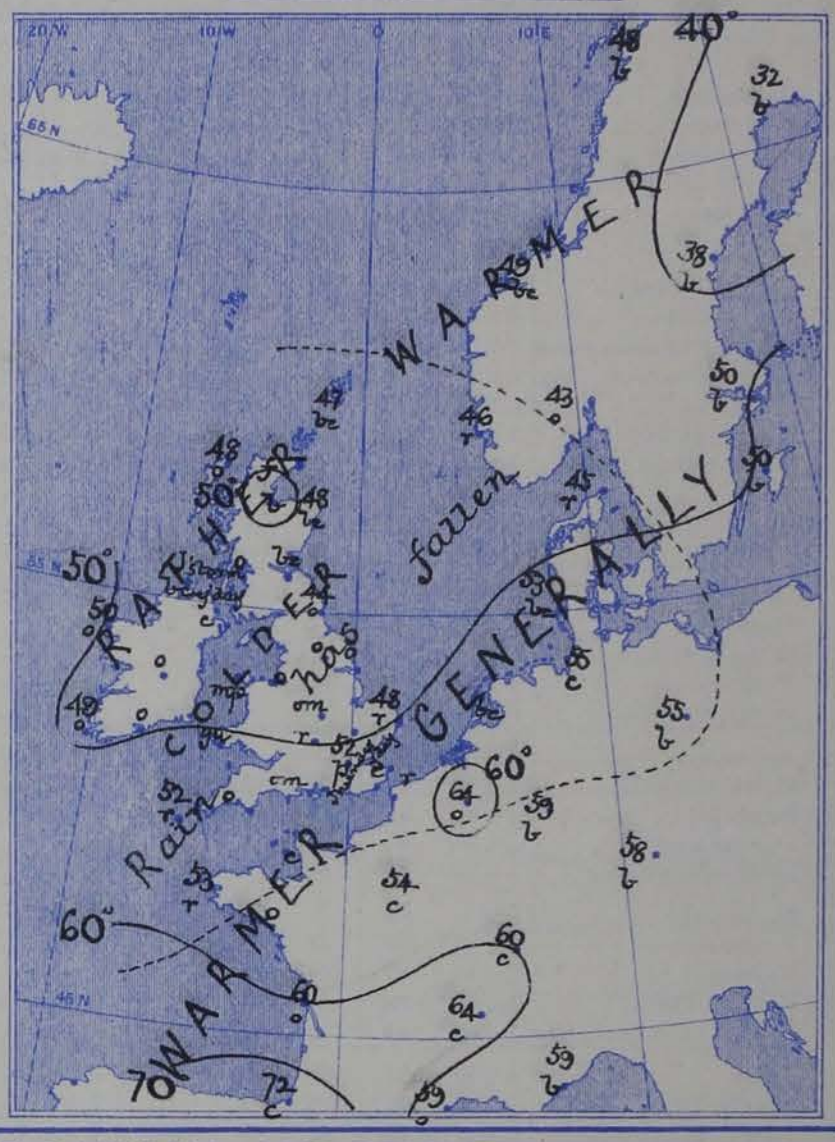


TEMPERATURE & WEATHER.

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) 30·2 ins: and more to 29·9 ins: over the Gulf of Bothnia, Scandinavia, and the Baltic; 30·0 ins: and more to 29·9 ins: over the north of Italy and the southeast of France.
Lowest, Below 29·4 ins: off our extreme southwest coasts and Ushant.
Gradients slight over the North Sea and England, moderate over Ireland, Wales, and the west and northwest of France.
Barometer has begun to fall again on almost all our coasts, and in the south and west the change is considerable.

TEMPERATURE

Highest, 72° at Biarritz, 64° at Lyons and Brussels; 59° at Wiesbaden, 52° to 50° over England, 50° at Kirby.
Lowest, (1) 32° at Haparanda, 38° at Hernösand; 43° at Sandoe and also at Wick, 44° at Shields, 45° at York.
Maxima were recorded yesterday as high as 86° at Biarritz, 78° at Paris, 71° at Wiesbaden, and 66° at Jassy; 61° at Leith, 59° at Nairn, 58° at Liverpool and Malin Hd.

WIND

S. and SE., and light at our northern stations — fresh in the northwest of Ireland; E. in most other places, — moderate on our east coasts, fresh in the west, S. over the southeastern parts of France.
It remained light over the greater part of England all day.

WEATHER

Fine in Scotland and also in Germany; dull over Ireland and England, and in many places showery.
Showers have fallen very generally over the United Kingdom, and thunder has occurred in several places.
Bright Sunshine recorded yesterday was 12·2 hrs: at Valencia, 7·7 hrs: at Aberdeen, 4·1 hrs at York, and 0·6 hr in London

SEA

Moderate or slight in most places, smooth in the southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A large but shallow area of low pressure has reached our extreme southwestern districts during the night, and is causing changeable, showery weather creeping in the north. Unsettled showery weather is still probable, with thunder in some places.

FORECASTS

For the 24 hours ending at NOON on 3rd May, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE. winds, moderate to fresh; fine at first, some showers later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E. winds, freshening; showery, bright intervals.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E. winds, fresh or strong; 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 ...	29.97	51	?	SE	6	c	3
Sumburgh Head							
Stornoway	29.52	51	46	W	5	o	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.61	51	51	S	3	b	2
Belmullet	29.62	53	49	NW	2	b	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.72	56	53	E	2	o	2
Hurst Castle ...							
Dungeness ...	29.77	51	51	E	1	r	1
North Foreland	29.81	49	48	E	2	r	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.75	69	63	NW	3	b	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 24TH TO THE 30TH APRIL 1898.

(will appear in tomorrow's report).

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 3rd May, 1898.

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 ...	30·07	34	2	0	b	29·89	−·28	34	34	+ 2	2	0	r	#	b	#	39	25	0·04
	Hernösand ...	30·07	39	2	0	0	29·90	−·29	40	38	+ 2	SW	2	0	#	0	#	48	23	—
	Stockholm ...	30·10	45	SE	2	0	29·97	−·27	50	47	0	S	4	0	#	0	#	55	34	0·08
	Wisby	30·09	44	S	4	b	30·02	−·19	56	49	+ 6	S	4	b	#	b	#	57	36	—
	Karlstad ...	29·95	46	ESE	2	0	29·84	−·28	48	46	+ 2	SE	2	0	#	0	#	#	#	039
	Bodö	29·89	46	2	0	b	29·79	−·26	45	41	− 3	S	2	0	1	b	#	54	39	—
	Christiansund ...	29·84	53	SE	2	bc	29·76	−·25	48	42	− 1	SE	3	b	2	bc	#	55	43	—
	Skudesnaes ...	29·80	50	2	0	0	29·51	−·41	51	50	+ 5	NE	4	r	2	0	#	52	45	#
	Færder (Christiania Fjord)	29·89	44	ENE	1	f	29·75	−·27	44	43	+ 1	NNE	2	m	2	f	#	45	41	—
	Skagen (The Scaw)	29·86	46	SSE	2	bc	29·71	−·24	48	47	+ 3	SE	3	bc	1	bc	#	50	45	0·04
	Fanö	29·67	58	E	4	c	29·71	−·08	50	49	− 3	WSW	4	c	#	c	#	68	50	—
	Sumburgh Head	29·77	43	ESE	2	0	29·36	−·43	44	44	− 3	ENE	4	r	5	0	#	50	42	0·31
	Stornoway ...	29·60	52	E	3	c	29·24	−·45	47	46	− 1	E	3	0	3	b,c	8·7	57	42	0·40
	Wick	29·65	48	S	4	0	29·95	−·47	48	47	+ 5	SW	2	bc	5	0,r	#	54	42	0·08
	Nairn	29·63	50	SE	2	c	29·29	−·43	50	49	− 2	SW	1	bc	1	c	#	61	42	0·22
	Aberdeen ...	29·67	44	E	b	ogq	29·34	−·45	51	49	+ 3	S	3	bc	4	c,ogq,r	6·5	51	43	0·74
	Leith	29·57	45	E	3	r	29·32	−·40	54	50	+ 5	S	1	c	#	r	#	55	42	0·62
	Shields	29·49	45	NE	3	op	29·42	−·31	52	49	+ 8	SSW	3	c	3	o,p	#	52	43	0·12
	Spurn Head ...	29·41	49	ESE	4	0	29·51	−·17	52	49	+ 5	S	4	bc	4	o r	#	52	47	0·21
	York	29·42	52	NNE	2	op	29·43	−·28	52	48	+ 7	S	3	c	#	o,p	2·0	63	44	0·04
	Loughborough ...	29·41	57	S	4	c	29·49	−·18	52	49	+ 7	S	3	cmr	#	or,p,cq	#	58	45	0·22
British Islands.	Ardrossan ...	29·45	45	ENE	5	rm	29·27	−·41	51	49	+ 3	SSE	5	b	4	om,rm	#	55	43	0·10
	Malin Head ...	29·36	48	ESE	8	omqr	29·12	−·50	50	50	+ 1	SSE	5	cp	3	bc,omqr	#	51	44	0·20
	Belmullet ...	29·32	50	E	6	rm	29·11	−·42	49	48	− 1	E	3	0	#	o,rm	#	53	45	0·69
	Donaghadee ...	29·34	47	E	8	r	29·24	−·41	49	48	+ 2	S	7	0	5	r	#	50	45	0·60
	Liverpool (Bidston)	29·34	55	ESE	4	0	29·38	−·24	53	48	+ 6	SE	3	b	3	o,r	#	55	46	0·04
	Holyhead ...	29·26	50	S	6	c	29·26	−·30	54	50	+ 7	S	7	cq	6	rmq,c	#	54	46	031
	Parsonstown ...	29·19	47	SE	1	r	29·04	−·44	51	49	+ 2	2	0	op	#	op	0·6	52	44	0·40
	Valencia ...	29·12	50	SE	1	r	29·03	−·30	51	49	+ 2	SSE	3	c	3	rq	0·0	53	41	0·28
	Roche's Point ...	29·16	50	SSW	5	p	29·09	−·31	50	48	0	WSW	5	bc	5	r,p	#	52	48	0·60
	Pembroke (St. Ann's Hd.)	29·27	50	SSE	5	bc	29·22	−·22	50	49	0	WSW	7	bc	6	r,bc	0·5	50	48	1·24
	Scilly	29·34	52	SSW	6	c	29·24	−·11	50	50	− 2	SSW	5	0	4	c,b	5·8	56	47	0·38
	Prawle Point ...	29·39	50	SSW	5	c	29·44	+·03	51	50	+ 1	S	6	bp	5	p,c	#	51	46	0·15
	Jersey (St. Anbin's)	29·53	56	SSW	6	bc	29·54	+·12	52	50	− 7	SE	5	cp	4	p,bc	#	60	50	001
	Hurst Castle ...	29·49	54	S	4	c	29·54	+·03	51	50	− 1	S	5	cp	3	o,c	#	57	50	0·02
	Dungeness ...	29·56	50	SSW	3	r	29·63	+·06	51	50	− 1	SSW	5	b	4	oq,r	#	55	49	0·27
	North Foreland	29·57	53	SSW	2	r	29·65	+·03	53	50	+ 1	S	3	b	2	o,r	#	59	46	0·07
	London (Brixton) ...	29·52	56	SSE	3	0	29·58	−·01	58	51	+ 6	SW	5	bc	#	c,bc	1·4	69	48	—
	Oxford	29·48	53	S	3	0	29·51	−·06	53	50	+ 3	S	5	cq	#	p,o	#	63	47	0·08
	Cambridge ...	29·49	57	SSW	3	0	29·56	−·08	55	51	+ 6	S	4	bw	*	o	0·1	67	45	—
	Yarmouth ...	29·51	57	S	4	c	29·62	−·07	52	50	+ 4	SSE	5	b	4	c	#	57	46	0·05
Germany & Holland.	Cuxhaven ...	29·71	63	E	3	0	29·77	−·02	55	54	0	SW	2	0	#	0	#	66	54	—
	Berlin	29·85	66	SE	2	b	29·80	−·17	60	55	+ 5	SE	4	b	#	b	#	75	52	—
	Wiesbaden ...	*	*	*	*	*	29·85	−·02	56	52	− 3	W	1	r	#	#	#	77	50	—
	Munich	29·85	63	SE	2	b	29·88	−·09	59	53	+ 1	W	3	b	#	b	#	75	50	—
	The Helder ...	29·57	59	SW	2	c	29·71	−·03	53	51	0	SW	2	b	1	c	#	64	50	0·51
Belgium.	Brussels ...	*	*	*	*	*	29·78	+·07	54	50	− 10	SSE	1	0	#	r	#	77	47	0·12
	Cape Gris Nez ...	?	55	SSW	2	r	?	?	52	49	− 3	SSW	4	b	4	r	#	68	48	008
	Paris	29·74	55	SSW	4	r	29·77	+·11	53	49	− 1	S	3	bc	#	r	#	75	46	0·16
	Brest	29·43	53	S	5	c	29·43	?	52	48	− 1	SSW	5	c	6	c	#	54	48	004
	Lorient ...	29·57	53	SSW	6	c	29·53	+·14	51	51	− 4	SW	5	c	5	c	#	61	48	0·04
France &	Rochefort ...	29·77	59	SW	4	bc	29·66	+·13	52	51	− 8	W	3	bc	#	r,bc	#	73	50	032
	Belfort	29·67	69	2	0	0	29·86	+·03	47	47	− 13	SW	2	r	#	0	#	78	47	0·12
	Lyons ...	29·76	67	SW	4	r	29·88	+·02	46	45	− 18	SSE	1	0	#	r	#	73	44	1·38
	Nice	29·97	61	2	0	c	29·91	−·10	58	55	− 1	E	3	0	3	c	#	70	54	0·04
	Perpignan ...	29·77	63	N	2	0	29·85	−·03	56	54	− 3	2	0	b	#	0	#	72	46	008
	Biarritz ...	29·75	64	SW	4	bc	29·77	+·17	59	50	− 13	SSW	4	0	2	b,r	#	72	52	083
Penin-sula.	Corunna ...																#			
	Lisbon	30·04	55	WSW	5	c	30·08	+·12	58	54	0	WSW	4	c	#	c	#	61	55	008
	Azores (P. Delgada)	30·00	61	WSW	4	0	29·92	−·06	63	61	+ 4	WSW	4	c	3	0	#	64	61	—

For Explanation of Columns, see bottom of last page.

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

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

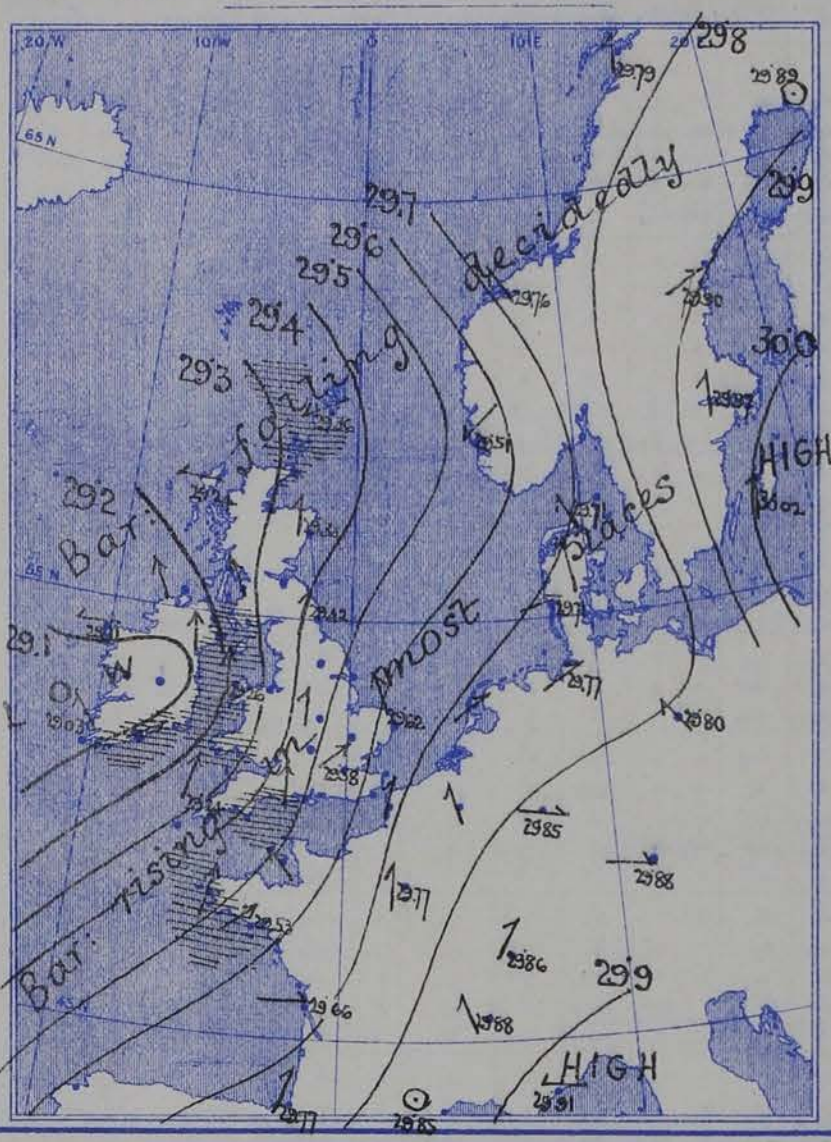
Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Tuesday, 3rd May, 1898

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.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 in: and upwards over the northern part of the Baltic and also over Portugal.
Lowest, 29·1 in: and less, in a depression with its centre off the southwest of Ireland.
Gradients moderate to rather steep over Great Britain and the neighbouring parts of the Continent, but slight elsewhere.
Barometer rising in France, Germany, and the Netherlands, and inclined to rise in most parts of our Islands, but falling in Scandinavia

TEMPERATURE

Highest, 60° at Berlin, 59° at Munich and Biarritz, and 58° in London and at Nice and Lisbon.
Lowest, 34° at Haparanda, 40° at Hernösand, 44° at Jaerden and Sumburgh Hd. 47° at Stornoway, and 48° at Christiansund and Wick
During yesterday the thermometer rose to 61° at Nairn, 63° at Oxford, 67° at Cambridge, and 69° in London. At our eastern and northern stations generally it failed to reach 55°.

WIND

S. over the greater part of our Islands and the Netherlands, and very strong in force in the Irish Sea and the St George's Channel
Light from the E.ward on our extreme north and northwest coasts and also in the west of Norway. S. or SW. in Sweden and Denmark

WEATHER

Fine in the north and east of our Islands, but showery at many of our western and southern stations
Variable on the Continent; fine in many places, but dull in others, with rain at Haparanda, Rudemars, Mirladen and Belfort.
Rain fell yesterday in most parts of Western Europe, the largest amounts being 1·4 in: at Lyons, 1·2 in: at Pembroke, 0·8 in: at Biarritz and 0·7 in: at Aberdeen and Belmullet. Lightning was seen at Scilly in the evening
[The newspapers report the occurrence yesterday morning of a destructive hailstorm in Plymouth and the immediate neighbourhood.]

SEA

Rough or rather so on many parts of our western and extreme northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the southwest of Ireland will probably move northwards and occasion a considerable increase of wind on the Scotch coasts. Changeable showery weather is likely in most districts, with thunder at some of the English stations.

FORECASTS

For the 24 hours ending at NOON on 4TH MAY 1898

DISTRICTS.		FORECASTS.
1b	SCOTLAND NORTH	S. and SE. winds, increasing in force; fine at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S. winds, fresh; changeable, some showers, thunder locally; cooler.
6	SCOTLAND WEST	S. winds, strong; squally, some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S. to SW. winds, strong; squally some showers.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	At 3.50 pm yesterday to districts 0 and 1. 8 dist South Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.93	50	48	NE	2	o	2
Sumburgh Head	29.80	45	44	ESE	2	o	5
Stornoway	29.66	56	44	SE	3	b	3
Aberdeen	29.74	46	44	E	4	ogq	4
Shields	29.65	45	45	NE	2	o	4
Ardrossan	29.56	52	49	ENE	6	om	3
Malin Head ...	29.54	51	51	E	5	bc	2
Belmullet	29.44	52	47	E	6	o	*
Holyhead	29.39	48	47	ENE	5	rgm	4
Valencia	29.68	52	49	E	4	rg	4
Scilly	29.24	55	53	SE	5	c	4
Jersey	29.51	56	53	S	5	o	4
Hurst Castle ...	29.47	55	52	SW	5	o	3
Dungeness ...	29.51	56	54	SSE	4	oq	3
North Foreland	29.54	55	54	SE	2	o	2
London (Westminster)	29.45	68	61	SSE	5	c	*
Yarmouth ...	29.59	53	51	SE	4	e	4
Rochefort ...	29.67	55	54	SW	3	r	*

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

Weather in morning fine in Scotland and also over Germany, Austria, Italy and the S. of France and the greater part of Scandinavia and Nrn. Russia. Cloudy or dull elsewhere, with rain in several parts of England and the N. of France, as well as in Denmark, the S. of Norway and at Madrid. Rain falling later over Wrn. Europe generally, - heavily at many of our own Wrn. and Nrn. stations, and also in the S. of France. Lightning seen at Scilly in evening.

Temperature fallen in Ireland and the N. of England, as well as in Austria, but risen elsewhere. Morning readings highest 72° at Biarritz, 69° at Algiers, and 68° at Trieste; above 60° in many parts of Srn. Europe. Lowest 31° at Archangel, 32° at Haparanda, and 36° at St. Petersburg. Rising during day to 60° and upwards at several of the inland stations over Gt. Britain, and to 69° in London; exceeding 70° in many parts of France, Germany and the Netherlands, and touching 78° at Belfort.

Wind moderate to fresh from the SWd. over the Spanish Peninsula, & from the Snd. in France, SE. ly over Germany, Denmark and the Netherlands, and also in the north of Scotland; E. ly over England & Ireland. Calm or variable over Sweden and northern Russia; E. ly or NE. ly in Austria and the south of Russia, variable in Italy. Subsequently increasing to fresh gale from the Eard. in the north of Ireland, but veering to the Snd. in the south of England.

Barometer highest 30.2 ins. and upwards over Finland and the Baltic provinces; 30.1 ins. and upwards in an anticyclone covering nearly the whole of Sweden and Russia; 30.0 ins. and upwards in another system over Morocco and the extreme S. of Spain. Lowest 29.4 ins. and less in a depression lying off our extreme SW. coasts. Depression subsequently moving Nwds. and barometer falling briskly on our Wrn. and Nrn. coasts.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 24TH TO THE 30TH APRIL 1898

At the commencement of this week anticyclonic systems were still prevalent over the Nrn. countries of Europe, and very shallow low-pressure systems in the SE., S. and SW. The winds were unusually light - mainly E. ly over the northern parts, but variable in the south, and the weather dry, but very cold over the British Islands in the early morning.

On Monday a more decided depression appeared on the African coast, and between this time and the night of the 27th it moved E.wds. slowly to the E.rd. of Malta, where it disappeared. In the mean time shallow depressions began to appear over various parts of Germany, France and the SW. of our Islands, bringing with them showery changeable weather, some increase of temperature, and SE. ly gales over the NE. of Scotland. These disturbances increased in area, and being reinforced by fresh disturbances from the Atlantic, caused rainy weather to spread all over central Europe, the W. of France and the British Islands, accompanied by SE. ly to SW. ly gales over Brittany, the English Channel, and later on over our Wrn. districts also. It was only over Scandinavia and the Nrn. parts of Russia that the weather remained dry.

At the close of the week a slight but temporary improvement had set in over the Srn. parts of England, but the general distribution of pressure was favourable for an early return of showery and mild weather over Wrn. Europe and the British Islands, but for fairer weather over the Srn. countries and the Mediterranean.

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 Wednesday, 4th May, 1898.

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 ... †	29.79	33	NE	0	fog	29.82	-.07	35	34	+ 1	SE	2	o	*	fog	*	39	23	0.12
	Hernösand ... †	29.81	36	S	2	fr	29.74	-.16	39	38	- 1	NE	o	fog	*	fog	*	46	34	0.32
	Stockholm ... †	29.83	49	NE	o	fog	29.73	-.24	54	50	+ 4	SSE	2	fog	*	o	*	59	41	-
	Wisby ... ... †	29.88	50	S	4	fog	29.73	-.29	57	52	+ 1	S	4	fog	*	fog	*	59	45	-
	Karlstad ... †	29.75	52	SSE	2	o	29.65	-.19	47	46	- 1	NW	2	fog	*	o	*	*	*	-
	Bodö	29.87	41	NE	o	fog	29.70	-.09	47	44	+ 2	E	4	fog	1	fog	*	48	37	-
	Christiansund ...	29.63	50	SE	1	c	29.68	-.08	49	46	+ 1	SE	1	fog	1	c	*	55	45	-
	Skudesnaes ...	29.69	46	S	4	m	29.64	+.13	48	47	- 3	E	1	fog	2	m	*	51	43	*
	Færder (Christiania Fjord)	29.76	44	NNW	1	fg	29.72	-.03	43	43	- 1	NNW	1	fog	2	fg	*	46	43	0.35
	Skagen (The Scaw)	29.78	46	NW	1	o	29.72	+.01	47	46	- 1	NNW	1	m	0	o	*	52	45	0.20
	Fanö	29.76	50	S	1	c	29.72	+.01	51	50	+ 1	S	4	c	*	c	*	52	46	0.08
	Sumburgh Head	29.39	49	S	3	fog	29.39	+.03	46	46	+ 2	S	3	o	4	o,fog	*	52	43	0.12
	Stornoway ...	29.24	52	NE	o	c	29.27	+.03	49	47	+ 2	S	3	c	3	p.c	3.7	52	44	0.10
	Wick	29.34	52	SE	3	fog	29.34	+.06	49	47	+ 1	SE	3	c	3	c	*	57	46	-
	Nairn	29.30	52	NE	o	c	29.31	+.02	56	52	+ 6	SE	1	c	o	c	*	63	43	0.02
	Aberdeen ...	29.37	49	SSE	6	fog	29.38	+.04	49	47	- 2	S	2	fog	3	fog,fog	9.5	55	43	-
British Isles.	Leith	29.33	52	SW	2	c	29.34	+.02	50	48	- 4	NE	o	r	*	c	*	64	46	-
	Shields	29.39	51	S	3	c	29.39	-.03	48	47	- 4	SSE	2	p	3	cp	*	60	46	0.05
	Spurn Head ...	29.47	51	SE	4	c	29.41	-.10	49	48	- 3	SSE	3	o	3	c,p,c	*	59	48	-
	York	29.42	52	SSE	2	fog	29.39	-.04	52	50	o	S	2	c	*	fog,fog	4.0	61	46	0.23
	Loughborough ...	29.45	51	S	3	fog	29.40	-.09	51	49	- 1	S	1	op	*	c,fog	*	62	47	0.02
	Ardrossan ...	29.27	52	SE	4	fog	29.32	+.05	49	49	- 2	SE	1	om	2	c,fog	*	54	45	-
	Malin Head ...	29.14	51	SSE	3	cp	29.31	+.19	48	48	- 2	NNW	3	cp	2	cp	*	56	46	0.16
	Belmullet ...	29.22	49	NNW	3	op	29.54	+.43	50	46	+ 1	NW	6	fog	*	fog,op	*	54	45	0.17
	Donaghadee ...	29.27	50	S	6	fog	29.36	+.12	49	48	o	N	3	c	2	fog	*	54	46	0.02
	Liverpool (Bidston)	29.35	56	SSE	3	c	29.40	+.02	47	46	- 6	N	4	r	3	c	*	63	46	0.01
	Holyhead ...	29.30	51	S	6	opm	29.42	+.16	49	48	- 5	NNW	3	cp	2	cp,mp	*	56	45	0.28
	Parsonstown ...	29.28	51	NE	o	r	29.53	+.49	51	47	o	N	2	o	*	p	2.5	57	45	0.16
	Valencia ...	29.27	52	NW	4	c	29.67	+.64	51	47	o	NNW	5	c	5	o,c	2.0	54	47	0.10
	Roche's Point ..	29.29	50	SSW	2	cp	29.62	+.53	51	48	+ 1	NNW	4	bc	4	cp	*	53	47	0.25
	Pembroke (St. Ann's Hd.)	29.28	50	SW	5	fog	29.55	+.33	50	47	o	NW	6	fog	5	c,fog	4.1	51	46	0.38
	Scilly	29.25	51	SSW	5	cp	29.69	+.45	52	49	+ 2	NNW	6	fog,cp	4	bc,cp	5.1	56	48	0.37
	Prawle Point ...	29.38	50	S	6	c	29.64	+.20	51	49	o	N	6	fog,cp	5	cp	*	53	47	0.12
	Jersey (St. Aubin's)	29.52	55	SSW	4	cgm	29.71	+.17	52	50	o	N	5	op	4	fg,cp	*	59	50	0.22
	Hurst Castle ...	29.49	52	SSW	4	cp	29.55	+.01	51	49	o	N	5	cp	3	cp	*	56	49	0.20
	Dungeness ...	29.58	54	SSW	3	c	29.47	-.16	50	49	- 1	SSW	16	cgp	5	c	*	59	48	0.05
	North Foreland	29.60	53	SSE	3	fog	29.48	-.17	51	49	- 2	S	4	cgp	3	r,fog	*	63	48	0.16
	London (Brixton) ...	29.54	56	*	3	fog	29.46	-.12	50	48	- 8	NNW	2	o	*	fog,fog,op	8.7	63	48	0.08
	Oxford	29.48	51	S	3	fog	29.44	-.07	49	48	- 4	NNW	4	p	*	cp	*	59	47	0.17
	Cambridge ...	29.51	51	S	3	o	29.41	-.15	51	50	- 4	SSW	2	a	*	fog,gp	10.3	64	46	0.14
	Yarmouth ...	29.56	53	SSE	5	fog	29.46	-.16	50	48	- 2	SSE	5	cg	4	fog,p	*	55	46	0.07
Germany & Holland.	Cuxhaven ...	29.75	52	E	2	r	29.73	-.04	50	49	- 5	S	3	c	*	r	*	59	45	0.20
	Berlin	29.72	59	NNW	2	fog	29.83	+.03	56	54	- 4	W	3	c	*	fog	*	79	54	0.35
	Wiesbaden ...	*	*	*	*	*	29.90	+.05	51	48	- 5	SW	1	c	*	*	*	64	?	0.12
	Munich	29.89	51	W	5	c	30.02	+.14	54	51	- 5	S	3	bc	*	c	*	73	46	0.16
	The Helder ...	29.67	57	ESE	1	fog	29.60	-.11	54	53	+ 1	S	3	fog	1	fog	*	63	48	-
Belgium.	Brussels ...	*	*	*	*	*	29.68	-.10	51	48	- 3	SSW	5	o	*	o	*	66	46	0.04
	Cape Gris Nez ...	?	56	SW	2	c	?	?	51	49	- 1	SW	6	r	6	c	*	64	46	0.12
	Paris	29.73	53	SSE	2	fog	29.77	.00	51	48	- 2	SW	5	bc	*	fog	*	66	48	0.20
	Brest	29.45	53	SW	5	r	29.77	+.34	52	49	o	NNW	5	c	5	r	*	55	48	0.12
	Lorient	29.56	53	SW	6	c	29.83	+.30	52	51	+ 1	NNW	6	c	?	c	*	59	48	0.16
France &	Rochefort ...	29.72	57	W	5	fog	29.90	+.24	55	52	+ 3	NNW	5	bc	*	bc,fog	*	64	50	0.08
	Belfort	29.84	53	NE	o	o	29.96	+.10	48	45	+ 1	SW	3	bc	*	o	*	69	42	0.24
	Lyons	29.90	52	S	1	fog	30.02	+.14	54	49	+ 8	NW	1	fog	*	fr,c	*	58	45	0.16
	Nice	29.92	57	SE	1	fg	29.95	+.04	57	51	- 1	NE	o	bc	1	fg	*	63	48	0.04
	Perpignan ...	29.90	60	SW	1	o	30.08	+.23	57	51	+ 1	NW	2	c	*	fog	*	65	51	-
	Biarritz ...	29.82	59	NNE	2	fog	30.03	+.26	56	51	- 3	SW	3	c	5	fog	*	66	50	0.12
Peninsula.	Corunna ...																*			
	Lisbon	30.20	56	NNW	4	fog	30.26	+.18	59	56	+ 1	NNW	2	o	*	fog	*	63	57	-
	Azores (P. Delgada) *																*			

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

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

Bright Sunshine yesterday Southport 11.1 hrs;

WEATHER CHARTS

FOR Wednesday 4th May 1898

BAROMETER, WIND AND SEA.

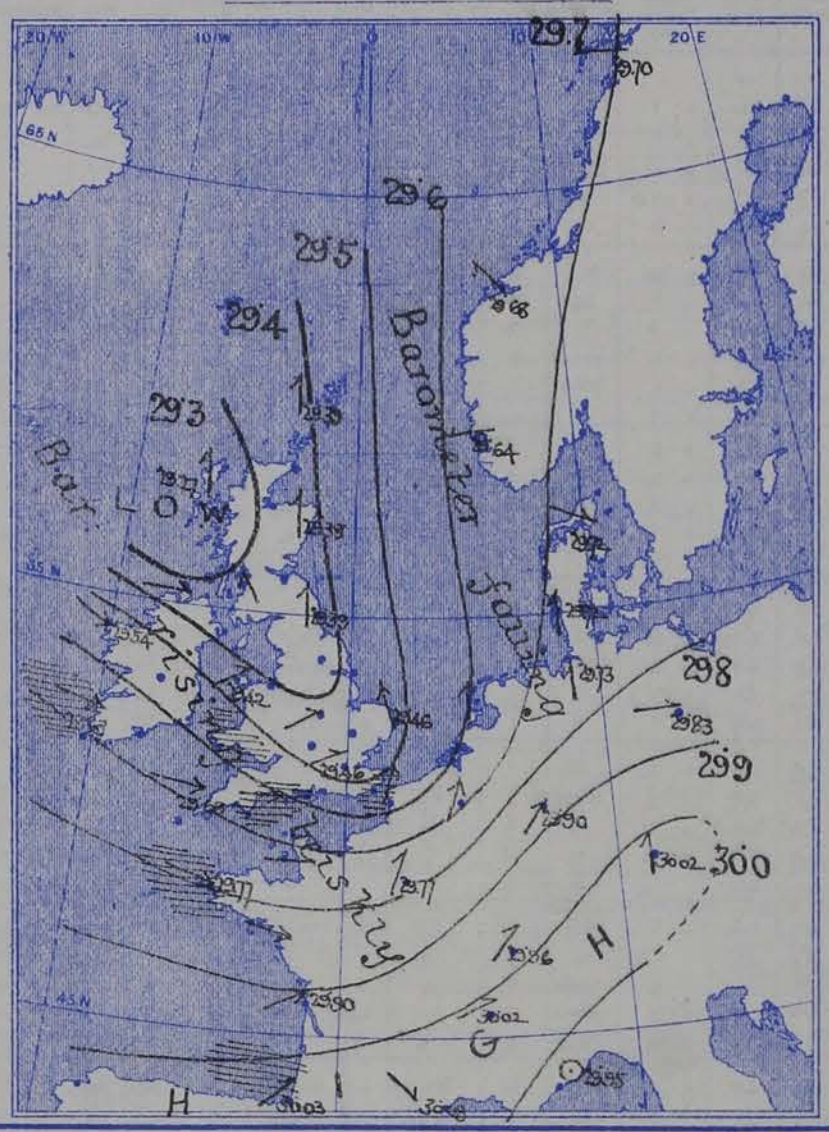
BAROMETER—Isobars are drawn for each tenth of an inch.

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 upwards over the Spanish peninsula and the S.ᵀᴿ parts of France & Germany.
Lowest 29.3 ins. and less in a depression over the W. of Scotland; 29.4 ins. and less in a secondary system over the N. of England.
Gradients moderate over the W. and S. of our Islands and the neighbouring parts of the Continent, but slight elsewhere.
Barometer falling a little on our east coasts, as well as in Scandinavia and Denmark, but rising in nearly all other parts of our area.

TEMPERATURE

Highest (1) 57° at Nice and Perpignan, 56° at Berlin and Biarritz, & 55° at Rochefort; (2) 56° at Nairn.
Lowest 43° at Faerder, 46° at Dunbargh Hd., 47° at Bodo, Skagen and Liverpool, and 48° at Skudesnaes, Shields and Malin Head.
During yesterday the thermometer rose to 60° and upwards in many parts of Gt. Britain, and to 64° at Leith and Cambridge. On several parts of our W.ᴿᴺ and extreme N.ᴿᴺ coasts, however it failed to reach 55°.

WIND

Fresh to strong from the W.ᴺᴰ or NW.ᴺᴰ over the west and south of our islands and the north and west of France.
Light to moderate from the S.ᵂᴰ or SE.ᴺᴰ in most other parts of our area, but W.ᴿᴺ at Berlin and also over the Skager Rack.

WEATHER

Changeable and showery over the greater part of the United Kingdom, but fine at most of the Continental stations.
Rain fell yesterday over nearly the whole of W.ᴿᴺ Europe, but the amount measured was as a rule somewhat small. A thunderstorm, with hail, occurred at York, and thunder was heard at Spurn Head at Jersey.

SEA

Rough at Cape Gris Nez and rather rough on our southwest coasts and in the Bay of Biscay, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off the south of Ireland has moved N.ᵂᴷˢ, while a secondary system has advanced NE.ᴺᴰˢ to the north of England. Both disturbances are likely to pass away from our Islands shortly, but fresh depressions may possibly appear off our W. and SW. coasts.

FORECASTS

For the 24 hours ending at NOON on 5TH MAY. 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S.ᵂᴰ to W.ᴿᴺ winds, light or moderate; changeable, some showers.	6 SCOTLAND WEST 7 ENGLAND N.W.	NW.ᴿᴺ winds, freshening considerably; squally, showery.
2 ENGLAND N.E. 3 ENGLAND EAST	S.ᵂᴰ to W.ᴿᴺ winds, fresh, changeable, some showers, thunder locally.	8 ENGLAND S.W. 9 IRELAND NORTH	NW.ᴿᴺ winds, backing later; changeable, some showers.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W.ᴿᴺ and NW.ᴿᴺ winds, fresh, showery at first, then fair.	10 IRELAND SOUTH	
		WARNINGS	At 10.20 am today to districts 0 and 1. 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 ...	29.62	48	47	S	6	m	3
Sumburgh Head	29.87	48	48	SE	4	o	6
Stornoway	29.26	50	48	SSE	3	c	3
Aberdeen	29.38	52	48	SSE	6	bq	5
Shields	29.41	58	52	SSW	4	c	3
Ardrossan	29.26	53	51	SE	5	c	4
Malin Head ...	29.07	53	52	SSE	5	c	3
Belmullet	29.17	53	50	N	2	bc	*
Holyhead	29.28	50	49	S	6	ep	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.13	52	49	ENE	1	o	2
Scilly	29.24	56	52	SSW	5	bc	4
Jersey	29.53	59	54	SSE	3	c	3
Hurst Castle ...	29.51	56	53	SSW	5	c	3
Dungeness ...	29.58	58	54	SSW	4	c	3
North Foreland	29.60	53	49	SSE	3	f	2
London (Westminster)	29.53	58	54	SSW	4	c	*
Yarmouth ...	29.58	54	51	SE	5	b	4
Rochefort ...	29.69	58	58	W	5	bc	*

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

Weather in morning fine in the N. and E. of our Islands, as well as in Russia, Germany, Austria and Italy. Cloudy or dull elsewhere with passing showers on our own west and south coasts, and steady rain at Haparanda and Skudesnaes, Wiesbaden and Belfort. Rain falling later in nearly all parts of W.^rn Europe; thunderstorms occuring at York and Berlin, and thunder heard at Spurn Head and Jersey

Temperature risen in our Islands as well as in Sweden, Denmark and Germany, fallen in most other countries, briskly over central France. Morning readings highest 71° at Athens, 69° at Algiers, and 68° at Trieste; above 60° at the Mediterranean and Adriatic stations generally, and touching 58° in London. Lowest 34° at Haparanda, 38° at Kaspio and Hangö, and 39° at Ulealborg. Rising during day to 60° and upwards in many parts of Gt. Britain and to 64° at Leith. Exceeding 65° over France and the Netherlands, exceeding 70° in Germany, and touching 79° at Berlin.

Wind SW.^ly over the Spanish peninsula and the Bay of Biscay; S.^ly over the greater part of our Islands, and very strong in force over the Irish Sea and the St. Georges Channel, but E.^ly or NE.^ly on our extreme north and northwest coasts, as well as in the S. of Norway. E.^ly or NE.^ly over Austria and the south of Russia, SE.^ly in Germany. S.^ly over the Baltic and Sweden and SW.^ly in the north of Russia. Subsequently shifting to the NW.^wd in the west of Ireland. No important change occurring elsewhere.

Barometer highest 30.2 ins. and upwards in a large anticyclone over Russia; 30.1 ins. and upwards in another system over Morocco and the south of Spain. Lowest 29.1 ins. and less in a depression with its centre off the SW. of Ireland. Depression subsequently moving N.^wds but shallow secondary system appearing over the St. George Channel in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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, MAY 5TH 1898.

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 ...	29.78	38	NE	2	f	29.73	−.09	41	39	+6	Z	0	o	*	f	*	41	27	0.16
	Hernösand ...	29.69	39	Z	0	f	29.77	+.03	34	34	−2	Z	0	f b	*	f	*	43	34	0.28
	Stockholm ...	29.76	53	Z	0	c	29.83	+.10	59	53	+5	SSE	2		*	c	*	61	49	—
	Wisby	29.83	48	SSW	4	b	29.90	+.14	55	53	−2	SSW	4	c	*	b	*	66	46	0.08
	Karlstad ...	29.75	49	SSW	2	b	29.74	+.09	48	46	+1	S	2	c	*	b	*	*	*	0.08
	Bodö	29.72	48	N	1	b	29.73	+.03	52	45	+5	E	4	b	1	b	*	52	39	0.32
	Christiansund ...	29.63	55	SE	2	b	29.54	−.11	53	48	+4	ESE	2	b	2	b	*	54	43	—
	Skudesnaes ...	29.62	46	S	6	o	29.55	−.09	48	47	0	Z	0	+	2	b.o	*	52	43	*
	Færder (Christiania Fjord)	29.72	43	S	1	f	29.64	−.08	47	45	+4	SSE	4	o	3	f	*	64	41	0.08
	Skagen (The Scaw)	29.75	48	S	2	f	29.69	−.03	48	47	+1	SSW	4	m	1	f	*	52	40	0.08
	Fanö	29.63	51	S	4	c	29.73	+.01	48	46	−3	SW	6	o	*	c	*	63	48	—
British Islands	Sumburgh Head	29.44	47	SE	3	o	29.47	+.08	46	46	0	ESE	1	o	4	o	*	51	42	—
	Stornoway ...	29.32	52	W	3	c	29.52	+.28	47	45	−2	NW	4	o	4	bc.c	6.8	53	44	0.05
	Wick	29.38	52	SW	1	o	29.47	+.13	51	49	+2	W	3	c	2	o	*	55	48	0.05
	Nairn	29.38	49	W	1	f	29.53	+.22	49	46	−4	W	3	c	3	f	*	58	43	0.22
	Aberdeen ...	29.39	47	ESE	2	o g	29.54	+.16	51	45	+2	W	4	bc g	2	c.o g. +	3.2	53	46	0.03
	Leith	29.42	50	W	3	o	29.63	+.29	47	44	−3	W	5	b	*	o	*	55	44	0.18
	Shields	29.46	51	W	3	c	29.69	+.30	51	47	+3	SW	3	c	2	+.c	*	52	43	0.18
	Spurn Head ...	29.53	51	W	4	c	29.78	+.34	52	49	+3	WSW	3	b	3	f.c g	*	52	44	0.22
	York	29.52	52	WSW	4	c f	29.77	+.38	50	47	−2	WSW	2	bc	*	c f	3.0	55	41	0.09
	Loughborough ...	29.64	52	W	4	c	29.83	+.43	50	47	−1	WSW	2	cm	*	c q f bc	*	58	44	0.19
	Ardrossan ...	29.50	50	W	4	bc f	29.68	+.36	51	48	+2	WSW	3	bc	3	f. bc f	*	52	45	0.14
	Malin Head ...	29.56	49	WNW	6	c q	29.69	+.38	50	49	+2	WNW	3	bc f	3	bc.c q	*	50	45	0.08
	Belmullet ...	29.72	51	WNW	5	c	29.74	+.20	52	48	+2	W	1	c	*	b.c	*	53	40	0.05
	Donaghadee ...	29.61	53	WNW	5	bc	29.74	+.38	48	47	−1	WSW	5	b	3	bc j	*	58	38	0.01
	Liverpool (Bidston)	29.64	51	WSW	7	bc	29.79	+.39	51	46	+4	SW	1	bc	2	f. bc	*	54	43	—
	Holyhead ...	29.68	51	WSW	3	c f	29.78	+.36	53	49	+4	SW	1	bc	1	b. c f	*	56	43	—
	Parsonstown ...	29.71	54	W	2	bc	29.75	+.20	50	47	−1	SE	1	o	*	bc f. c	9.2	56	39	0.05
	Valencia ...	29.78	55	WSW	3	bc	29.69	+.02	50	47	−1	SSE	2	f g	3	bc	9.8	54	46	0.32
	Roche's Point ..	29.77	55	WSW	5	b	29.75	+.13	48	48	−3	SSE	5	f	4	b	*	58	47	—
	Pembroke (St. Ann's Hd.)	29.78	50	W	6	b	29.77	+.32	48	46	−2	SSE	3	o g	4	b	10.8	53	47	0.01
	Scilly	29.84	54	SW	4	c m	29.74	+.05	53	53	+1	SW	4	m	3	c.c m	10.2	56	49	0.04
	Prawle Point ...	29.84	50	W	5	c	29.83	+.19	48	48	−3	SSE	3	f +	3	c. f +	*	54	47	0.13
	Jersey (St. Aubin's)	29.95	54	W	6	b m	29.85	+.24	52	52	0	SE	4	o m f	3	b. b m c g	*	56	49	0.02
	Hurst Castle ...	29.82	52	WSW	5	c	29.87	+.32	51	50	0	SSW	3	o m	3	c q f. c	*	56	53	0.12
	Dungeness ...	29.74	52	WSW	7	b	29.91	+.44	50	49	0	SW	4	o	3	c. b	*	55	49	—
	North Foreland	29.73	56	WSW	4	bc	29.91	+.48	51	48	0	SW	3	o	2	bc	*	57	45	0.32
	London (Brixton) ...	29.74	55	W	4	o	29.90	+.44	52	49	+2	SW	1	o	*	o f. bc	2.5	59	45	0.05
	Oxford	29.80	49	WSW	4	b	29.89	+.43	49	47	0	S	2	f	*	bc f	*	58	45	0.13
	Cambridge ...	29.68	54	SW	3	b	29.88	+.47	49	44	−2	SSW	3	o g	*	q f b	5.4	59	42	0.05
	Yarmouth ...	29.60	50	W	5	c f	29.84	+.38	52	49	+2	WSW	3	g b	3	o f q. c f	*	53	42	0.21
Germany & Holland	Cuxhaven ...	29.69	54	SSW	5	c	29.87	+.44	51	50	+1	SW	5	c q f	*	c	*	57	48	0.12
	Berlin	29.87	60	SW	2	b	30.01	+.18	53	51	−1	SW	3	b	*	b	*	70	50	—
	Wiesbaden ...	*	*	*	*	*	30.13	+.23	48	46	−3	Z	0	bc	*	*	*	61	46	0.04
	Munich	30.05	49	SW	4	c	30.18	+.16	51	47	−3	W	5	bc	*	c	*	63	45	0.20
	The Helder ...	29.63	50	SW	5	o	29.87	+.27	51	49	−3	SW	3	bc	2	o	*	57	48	0.12
Belgium.	Brussels ...	*	*	*	*	*	29.99	+.31	52	47	+1	SW	2	c	*	b	*	58	44	0.12
	Cape Gris Nez ...	*	52	W	6	m	*	*	51	49	0	WSW	3	o	3	m	*	52	46	0.12
	Paris	29.98	56	SW	3	b	30.05	+.28	48	48	−3	S	2	+	*	b	*	61	46	0.12
	Brest	29.96	53	SW	3	o	29.81	+.04	53	52	0	WSW	3	f	4	o	*	57	48	0.20
	Lorient	30.02	55	W	4	c	29.91	+.08	54	54	+2	W	5	f	5	c	*	59	48	0.28
France &	Rochefort ...	30.03	57	WSW	4	c	29.97	+.07	55	55	0	SW	6	+	*	bc. c	*	63	50	0.35
	Belfort	30.04	46	SW	6	+	30.15	+.19	47	45	−1	W	1	m	*	+	*	60	42	0.08
	Lyons	30.09	57	W	1	o	30.18	+.16	55	49	+1	SE	1	bc	*	o	*	64	44	—
	Nice	29.89	63	W	2	b	30.01	+.06	55	50	−2	E	1	c	2	b	*	72	55	—
	Perpignan ...	30.16	63	NW	1	o	30.21	+.13	55	52	−2	Z	0	b	*	o	*	?	48	0.08
	Biarritz ...	30.13	59	WNW	3	bc	30.12	+.09	61	54	+5	SSW	3	o	3	bc	*	63	52	—
Peninsula.	Corunna ...																*			
	Lisbon	30.29	59	NW	3	bc	30.30	+.04	61	59	+2	NE	4	b	*	o. bc	*	66	54	—
	Azores (P. Delgada)	29.98	63	S	5	c	29.99	0.0	64	63	+1	SSW	5	o	6	c	*	68	63	—

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 4.9 hrs.

WEATHER CHARTS

FOR Thursday, 5th May, 1898

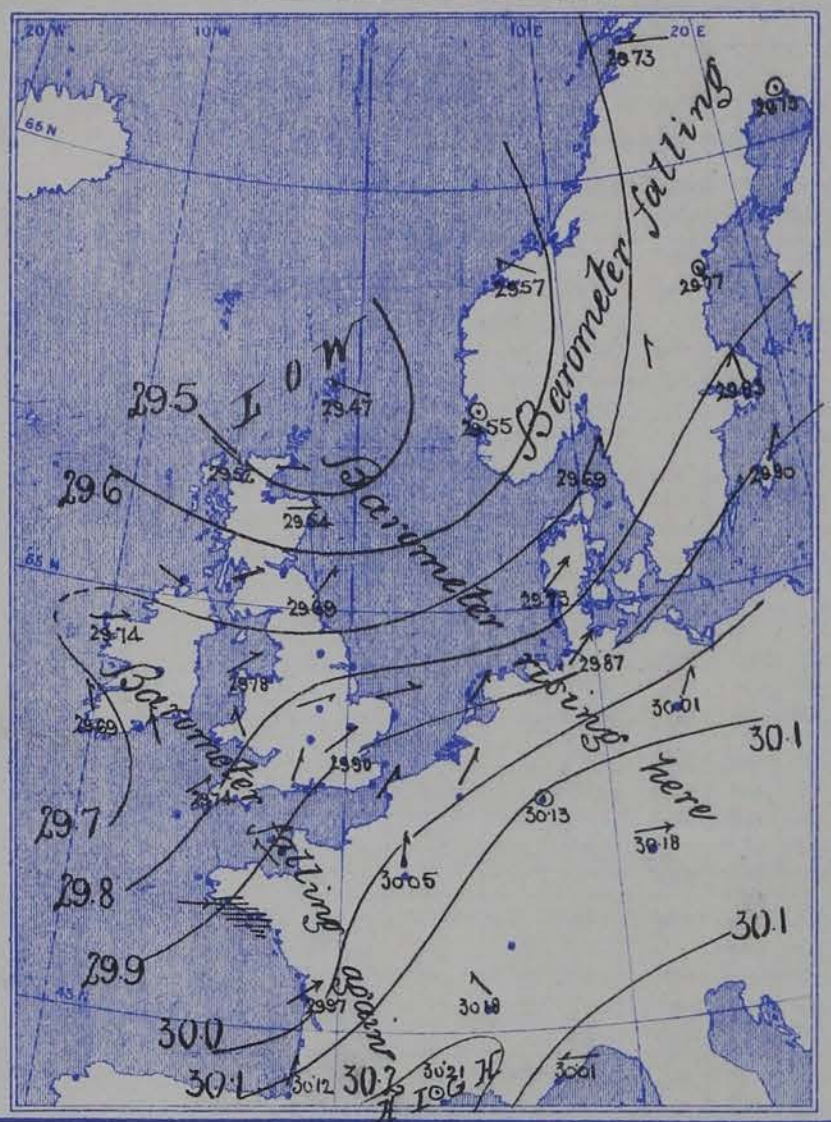
BAROMETER, WIND AND SEA.

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 ▬

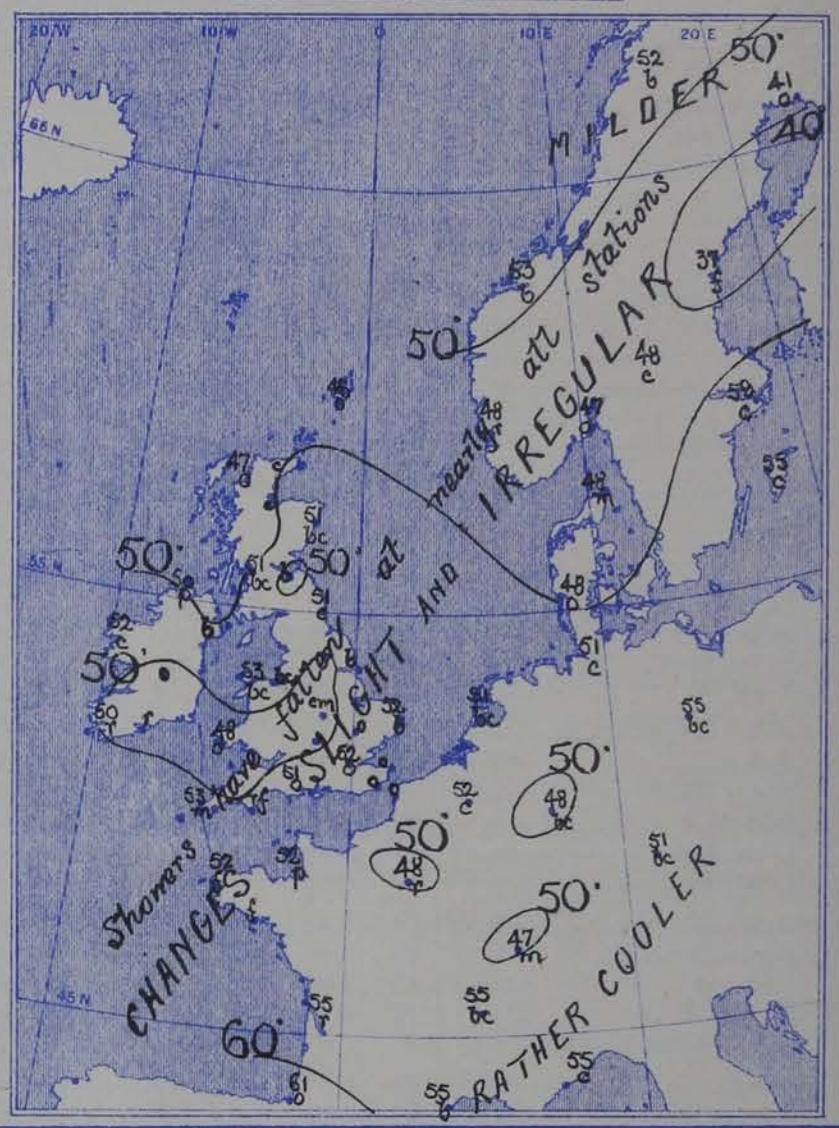


TEMPERATURE & WEATHER.

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 30.1 ins. and upwards in an anticyclone lying over the Spanish peninsula and the southern parts of France and Germany.
Lowest 29.5 ins. and less in a depression lying off the N.E. of Scotland; 29.7 ins. and less in another disturbance approaching the southwest of Ireland.
Gradients moderate or slight generally. Barometer falling in the S.W. of our Islands and the W. of France, as well as in Norway, but rising elsewhere.

TEMPERATURE

Highest (1) 61° at Biarritz and Lisbon, and 55° at Rochefort, Perpignan, Lyons and Nice; (2) 59° at Stockholm and 53° at Wisby.
Lowest (1) 37° at Hernösand, 41° at Haparanda, and 47° at Faerdet; (2) 46° at Dornburgh N^r. and 47° at Stornoway & Leith.
During yesterday the thermometer rose to 55° and upwards in most parts of the United Kingdom, and to 59° at Cambridge. At Stockholm it rose to 66° and at Berlin to 70°.

WIND

Moderate to fresh from the S.W.^wd. in the west of France; light to moderate from the S.^wd. or S.E.^wd. over the north of France and the southwest of our Islands.
S.W.^ly over the east and southeast of England and also over the Netherlands, N. Germany & Denmark.
W.^ly in Scotland and the north of Ireland; S.E.^ly or E.^ly in Norway, calm in the Gulf of Bothnia.

WEATHER

Fine over all the more N^rn. and E^rn. parts of the United Kingdom, as well as in Germany & the S. of France.
Cloudy or dull elsewhere, with fog at the mouth of the Channel, and rain at several of our S^rn. and the French stations, as well as at Skudesnaes and Cuxhaven.
Rain fell yesterday in nearly all parts of W^rn. Europe, but the quantity was mostly slight.
Solar halos were seen at Scilly and Jersey, and lunar halos over the S. of England generally.

SEA

Moderate or slight generally, but rather rough at Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching our S.W. coasts will probably move in an E.N.E.^ly direction. Rainy weather is likely over the greater part of Ireland and England, with increasing S.^ly to S.W.^ly winds on our southern coasts.

FORECASTS

For the 24 hours ending at NOON on 6^th. MAY 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.^ly winds backing later to the S^wd. or S.E.^ly; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.W.^ly to S.^ly or S.E.^ly winds, fair at first, some rain later.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	S.^ly winds, freshening; cloudy, unsettled, some rain.
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	S.W.^ly to S.E.^ly winds, light or moderate; fair at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S.^ly and S.E.^ly winds freshening considerably; dull, rainy.
9	IRELAND NORTH	Same as N^os. 6 and 7.
10	IRELAND SOUTH	Same as N^o. 8.
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.63	52	50	SW	1	b	2
Sumburgh Head	29.45	49	48	SSE	3	o	4
Stornoway	29.50	55	50	SSW	4	bc	4
Aberdeen	29.39	50	48	SSE	3	c	3
Shields	29.41	50	50	S	2	f	2
Ardrossan	29.40	51	49	S	2	o	2
Malin Head ...	29.48	50	49	NW	7	bc	6
Belmullet	29.68	52	47	W	4	b	*
Holyhead	29.57	55	52	W	4	bc	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.77	53	49	WSW	4	bc	5
Scilly	29.85	55	52	WSW	5	c	4
Jersey	29.89	56	52	W	6	b	5
Hurst Castle ...	29.75	54	51	WSW	5	cq p	3
Dungeness ...	29.63	53	51	WSW	7	c	6
North Foreland	29.63	56	51	SW	5	bc	3
London (Westminster)	29.63	56	52	WNW	4	cf	*
Yarmouth ...	29.48	52	50	W	4	o f q	4
Rochefort ...	29.92	61	53	NW	5	bc	*

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

Weather in morning changeable and showery over the United Kingdom. Fine in the western and northern parts of the Continent, but rain falling at Copenhagen and Kiopin, and a thunderstorm reported at Karlstad. Cloudy or dull over Germany, Austria and N^rn. Italy; fine over Greece and S^rn. Italy. Rain falling later over the W^rn., N^rn. and central parts of the Continent; solar and lunar halos seen in the south of England.

Temperature fallen in the E^rn. and central parts of our islands; risen over E^rn. Europe; changed irregularly elsewhere. Morning readings highest 70° at Lesina, 69° at Patras, and 67° at Algiers, above 60° at the Mediterranean and Adriatic stations generally. Lowest 35° at Haparanda, 36° at Archangel, 37° at Ulleaborg, and 39° at Hernösand. Rising during day to 55° and upwards in most parts of the United Kingdom; exceeding 60° over Germany, Denmark and the S. of Scandinavia, and reaching 70° at Berlin, and 72° at Nice.

Wind strong from the NW^rd. or W^rd. over the west and south of our Islands and the west of France; light to moderate from the S^rd. or SE^rd. over the Netherlands, the North Sea and the east and north of our Islands, and from the E^rd. in the west of Norway. W^rly. in Germany, S^rly. over the Baltic and Finland and SE^rly. in Sweden. Variable in Austria, E^rly. in Italy, variable over the Spanish peninsula. Subsequently veering to the W^rd. in the east of England, but backing to the SW^rd. on our southwest coasts.

Barometer highest 30.4 ins. and upwards in an anticyclone over the S. of Russia; 30.2 ins. and upwards in another system over Morocco, and the S^rn. parts of the Spanish peninsula. Lowest 29.3 ins. and less in a depression off the W. of Scotland; 29.4 ins. and less in a secondary system over the N. of England. Depression subsequently moving N^rds. and secondary dispersing over North Sea; new disturbance beginning to approach our SW coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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, 6th May, 1898.

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	36	NW	0	0	29.75	+.02	36	34	- 5	NE	2	0	*	0	*	51	34	-
	Hernösand ...	29.81	37	N	2	fr	29.77	.00	38	38	+ 1	NW	0	fr	*	fr	*	50	36	0.12
	Stockholm ...	29.85	51	NW	0	fr	29.88	+.05	52	48	- 7	SSE	2	fr	*	fr	*	64	45	0.12
	Wisby	29.93	47	SW	4	bc	29.91	+.01	52	47	- 3	S	4	bc	*	bc	*	61	43	-
	Karlstad ...	29.79	46	SSW	4	0	29.79	+.05	43	42	- 5	S	4	0	*	r.0	*	*	*	-
	Bodö	29.74	47	E	4	c	29.71	-.02	49	43	- 3	E	4	c	1	c	*	52	?	-
	Christiansund ...	29.62	48	ESE	2	fr	29.74	+.17	48	45	- 5	W	5	fr	3	fr	*	53	45	-
	Skudesnaes ...	29.67	45	NW	0	fr	29.78	+.23	46	46	- 2	NW	0	fr	1	fr	*	48	43	*
	Færder (Christiania Fjord)	29.73	44	SSW	4	m	29.75	+.11	44	44	- 3	SW	2	m	3	m	*	47	43	0.04
	Skagen (The Scaw)	29.80	47	WSW	3	b	29.79	+.10	43	42	- 5	SW	2	m	0	b	*	52	44	0.08
	Fanö	29.84	46	SW	1	b	29.69	-.04	48	47	0	ENE	2	r	*	b	*	55	46	0.04
	Sumburgh Head	29.56	47	SE	1	0	29.86	+.39	46	46	0	NW	2	r	3	0	*	48	43	0.01
	Stornoway ...	29.69	47	NW	4	pc	30.03	+.51	47	44	0	NNW	4	bc	4	p.c.p	2.4	51	42	0.15
	Wick	29.61	48	NW	3	c	29.98	+.51	46	44	- 5	N	4	0	3	c.r	*	53	35	0.12
	Nairn	29.67	54	W	3	c	30.02	+.49	47	44	- 2	WNW	3	c	2	c	*	56	44	0.05
	Aberdeen ...	29.65	54	NW	3	bc	29.93	+.39	46	45	- 5	NW	5	ogqp	4	bc	7.0	58	44	0.03
British Islands.	Leith	29.67	54	W	2	b	29.98	+.35	50	46	+ 3	WNW	2	0	*	b	*	60	44	0.01
	Shields	29.70	55	WSW	3	b	29.93	+.24	48	46	- 3	NW	2	op	2	c.b	*	60	41	-
	Spurn Head ...	29.73	48	SSE	3	r	29.82	+.04	49	47	- 3	NW	5	b&u	4	c.r	*	58	44	0.05
	York	29.73	49	SE	1	0	29.91	+.14	49	45	- 1	NNW	1	b	*	0.r	3.3	58	40	0.10
	Loughborough ...	29.72	49	NNE	1	r	29.92	+.09	49	46	- 1	WNW	2	bmw	*	or.e.bm	*	58	39	0.30
	Ardrossan ...	29.72	53	W	4	b	30.00	+.32	53	49	+ 2	W	3	b	2	bc.b	*	55	45	0.01
	Malin Head ...	29.78	49	N	4	b	30.10	+.41	49	48	- 1	N	5	b	3	b	*	52	45	-
	Belmullet ...	29.84	51	NNE	4	c	30.18	+.44	51	47	- 1	ENE	2	b	*	op.c	*	53	42	0.32
	Donaghadee ...	29.77	50	NE	4	b	30.07	+.33	50	47	+ 2	N	6	b	4	b	*	55	43	-
	Liverpool (Bidston)	29.73	48	NNW	1	r	30.00	+.21	48	46	- 3	NW	3	bc	3	c.r	*	54	44	0.14
	Holyhead ...	29.72	49	E	2	cqp	30.04	+.26	48	46	- 5	NW	4	c	3	o.cqp	*	56	45	0.03
	Parsonstown ...	29.71	53	SW	0	c	30.16	+.43	49	45	- 1	NW	1	b	*	c	2.8	56	36	0.01
	Valencia ...	29.73	52	W	3	c	30.16	+.47	52	49	+ 2	SW	0	b	2	om.c	2.1	55	40	0.04
	Roche's Point ..	29.72	50	SSE	4	d	30.16	+.41	50	47	+ 2	NNE	3	b	4	d	*	52	45	0.50
	Pembroke (St. Ann's Hd.)	29.68	49	NW	3	0	30.10	+.33	50	47	+ 2	N	4	b	3	0	0.0	50	45	0.22
	Scilly	29.76	53	SW	5	r	30.08	+.34	52	49	- 1	N	4	b	3	rm.r	0.0	55	48	0.53
	Prawle Point ...	29.76	51	SSW	6	r	30.04	+.21	52	50	+ 4	N	3	b	4	rf	*	52	44	0.73
	Jersey (St. Anbin's)	29.87	55	WSW	6	opm	29.99	+.14	53	50	+ 1	NW	4	bm	3	op.r	*	56	50	0.42
	Hurst Castle ...	29.74	52	SW	5	bm	29.94	+.07	51	48	0	N	4	bm	2	rm.om	*	52	46	0.45
	Dungeness ...	29.72	50	SSW	4	r	29.80	-.11	50	48	0	NNW	6	cqp	4	c.r	*	52	48	0.21
	North Foreland	29.74	51	S	3	r	29.80	-.11	49	47	- 2	NW	7	o	4	o.r	*	55	47	0.33
	London (Brixton) ...	29.72	52	SW	1	o	29.89	-.01	50	46	- 2	N	3	b	*	o.or	0.0	55	46	0.28
	Oxford	29.68	51	SW	4	o	29.93	+.06	49	45	0	NW	4	bq	*	or.o	*	53	42	0.15
	Cambridge ...	29.73	51	S	1	rm	29.89	+.01	49	48	0	NNW	3	b	*	q.rm	0.0	58	43	0.24
	Yarmouth ...	29.75	50	SSE	3	r	29.80	-.04	47	45	- 5	NNW	3	c	3	c.r	*	53	44	0.32
Germany & Holland.	Cuxhaven ...	29.93	52	S	1	c	29.84	-.33	48	48	- 3	ENE	5	r	*	Rtr.c.r	*	57	48	0.39
	Berlin	30.00	59	SW	2	b	29.73	-.28	53	51	- 2	SE	2	r	*	b	*	66	48	-
	Wiesbaden ...	*	*	*	*	*	29.72	-.41	57	56	+ 9	SW	3	o	*	*	*	64	44	0.59
	Munich	30.12	53	W	0	c	29.96	-.22	50	50	- 1	SW	4	r	*	c	*	61	46	0.43
	The Helder ...	29.82	50	SE	1	r	29.62	-.25	46	45	- 5	NNE	6	r	3	r	*	55	46	0.63
Belgium. France &	Brussels ...	*	*	*	*	*	29.65	-.34	50	49	- 2	NW	5	r	*	r	*	58	48	0.55
	Cape Gris Nez ...	?	52	WSW	5	r	?	?	50	48	- 1	N	5	o	5	r	*	55	46	0.79
	Paris	29.92	57	SW	3	r	29.77	-.28	56	55	+ 8	SW	4	r	*	r	*	60	48	0.16
	Brest	29.95	54	WSW	5	fr	30.02	+.21	52	50	0	NW	3	c	4	fr	*	54	48	0.35
	Lorient	30.01	54	W	6	fr	30.01	+.10	51	50	- 3	NNW	5	c	5	fr	*	57	48	0.28
	Rochefort ...	30.07	57	W	5	0	30.01	+.04	56	55	+ 1	W	5	r	*	0	*	59	54	0.28
	Belfort	30.06	54	W	3	r	29.91	-.24	53	51	+ 6	WSW	6	r	*	r	*	60	47	0.12
	Lyons	30.16	60	W	1	0	30.07	-.11	55	53	0	S	1	r	*	0	*	65	54	0.04
	Nice	30.02	60	W	1	c	30.00	-.01	55	53	0	SW	0	0	1	c	*	70	52	-
	Perpignan ...	30.23	65	NW	2	0	30.18	-.03	64	57	+ 9	NW	1	0	*	0	*	79	55	-
	Biarritz ...	30.25	64	W	3	b	30.20	+.08	57	54	- 4	SW	3	0	2	b	*	66	55	-
Peninsula.	Corunna ...																*			
	Lisbon	30.27	62	NNW	5	b	30.27	-.03	64	57	+ 3	NNE	4	b	*	b	*	75	57	-
	Azores (P. Delgada)	30.09	64	S	5	0	30.10	+.11	64	63	0	SSE	4	0	5	0	*	68	63	-

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 7.2 hrs;

WEATHER CHARTS

FOR Friday, 6th May. 1898

BAROMETER, WIND AND SEA.

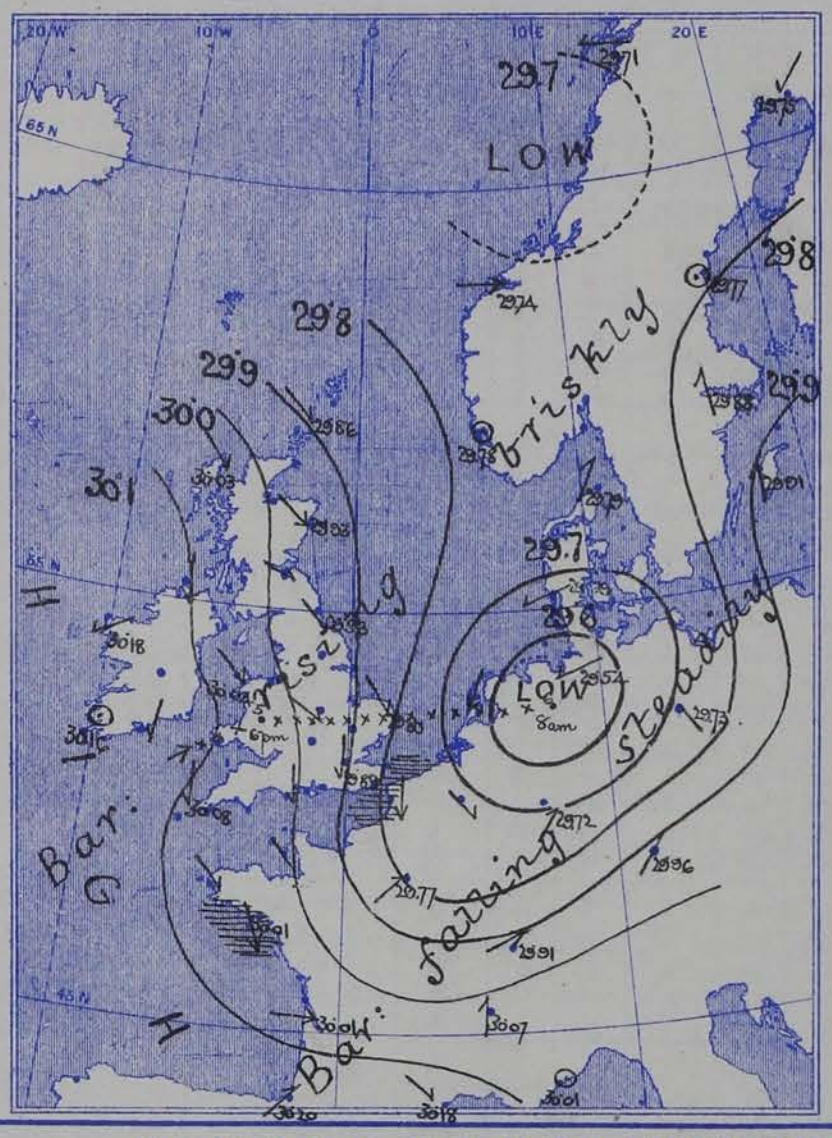
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

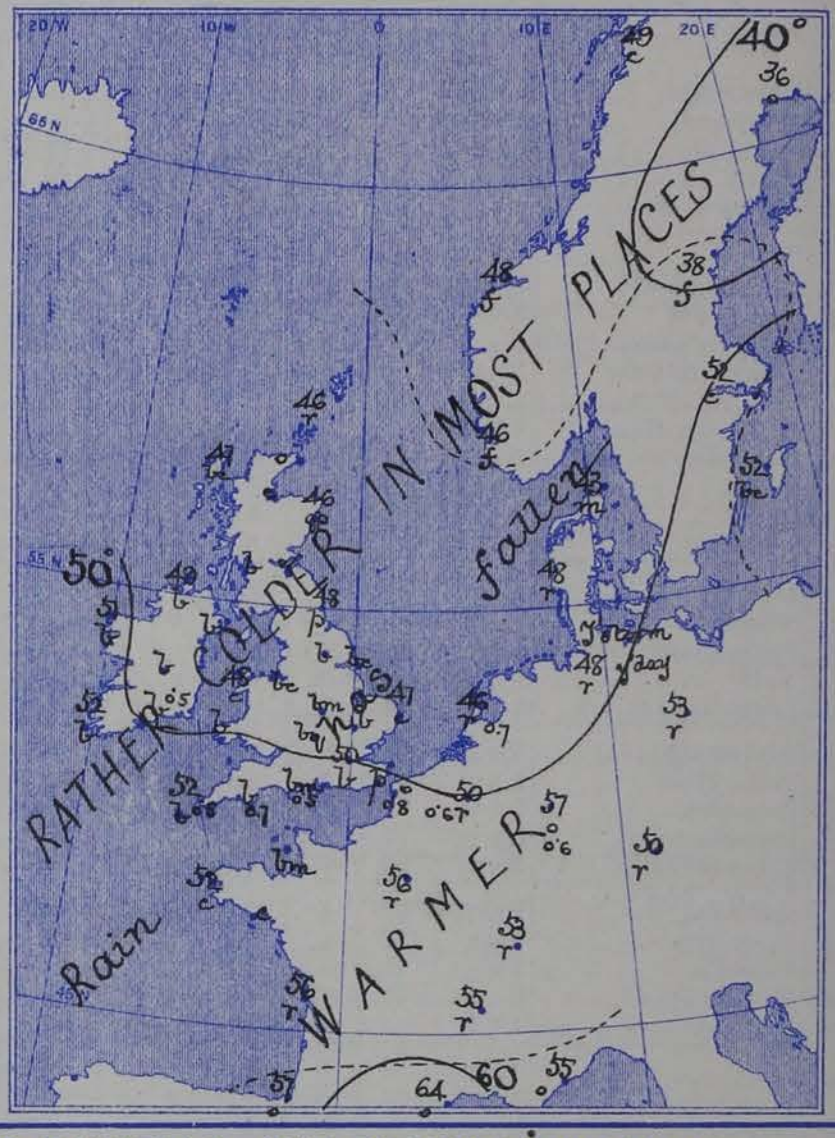


TEMPERATURE & WEATHER.

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 Spanish Peninsula; 30·1 ins: and upwards in Ireland.
Lowest, 29·6 ins: and less. in a well marked depression with its centre over Northwestern Germany, 29·7 ins: and less in a shallow system off the northern part of the Norwegian coast.
Gradients moderate over Germany, the Netherlands, and the north of France, slight elsewhere.
Barometer rising briskly in our Islands, but falling at most of the Continental stations

TEMPERATURE

Highest, 64° at Perpignan and Biarritz, 57° at Wiesbaden and Biarritz, and 56° at Paris and Rochefort.
Lowest, 36° at Haparanda, 38° at Hernösand and 43° at Karlstad and Skagen; lowest in our Islands 46° at Lumbenglt. Wick, & Aberdeen.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, and to 60° at Leith and Shields.

WIND

Moderate to fresh from the N.ward or NW.ward over Islands, the Netherlands, and the north of France, and from the SW.ward over Central France and the southern parts of Germany; E. or NE. at Yarmouth and Cuxhaven.
S. or SW. over the Skager Rack and the south of Sweden; E. or NE. in the north of Scandinavia.

WEATHER

Fine over the United Kingdom generally, but cloudy and showery on the northeast coasts of Great Britain.
Raining in Denmark, Germany, the Netherlands, and the central parts of France, foggy or misty at several of the Scandinavian stations.
Since yesterday morning rain has fallen over Western Europe generally, the largest amounts being 0·8 inch at Cape Gris Nez, 0·7 in. at Hawke Pt. and 0·6 in. at the Helder and Brussels. A thunderstorm occurred yesterday afternoon at Cuxhaven.

SEA

Moderate or slight generally, but rather rough at Cape Gris Nez and Lorient

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over North Germany will probably continue to move eastwards, but shallow secondary systems are apparently advancing over Great Britain from the northward, and showers are, therefore, likely in many districts.

FORECASTS

For the 24 hours ending at NOON on 7th MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to W. winds, moderate; changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW. winds, moderate; some showers at first then fair.
6	SCOTLAND WEST	N. winds, moderate or fresh; fair generally, but local 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 ...	29.58	46	45	S	1	rf	2
Sumburgh Head	29.52	48	48	ESE	1	o	3
Stornoway	29.63	50	46	NW	5	c	5
Aberdeen	29.61	58	49	NW	3	bc	2
Shields	29.72	58	50	SW	4	c	2
Ardrossan	29.72	55	53	W	4	bc	3
Malin Head ...	29.73	50	49	N	3	b.	2
Belmullet	29.75	61	49	W	2	qp	*
Holyhead	29.75	53	50	SW	1	o	1
Valencia	29.68	53	52	S	0	om	1
Scilly	29.75	54	53	SW	4	rm	3
Jersey	29.88	56	54	WSW	5	o	4
Hurst Castle ...	29.78	52	51	SSW	3	rm	2
Dungeness ...	29.83	51	51	SSW	3	c	2
North Foreland	29.85	53	51	S	3	o	2
London (Westminster)	29.79	54	50	SSE	3	o	*
Yarmouth ...	29.82	52	50	SSE	4	c	3
Rochefort ...	30.04	59	59	NW	5	o	*

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

Weather in morning fine over all the more northern and eastern parts of the United Kingdom, but dull in the south with rain in several places, and also over the northern parts of France; fog reported at the mouth of the Channel. Fine over southern Europe generally, as well as in the west of Norway, but cloudy or dull in most of the central countries, with rain over Austria and Eastern Germany; rain falling also at Ukedsy and snow at Archangel. Rain falling later in nearly all parts of Western Europe, heavily over the English Channel, the north of France and the Netherlands; thunderstorm reported at Cuxhaven.

Temperature fallen in Austria and Italy, changed very irregularly elsewhere. Morning readings highest 66° at Algiers, 65° at Oporto and Barcelona, and 63° at San Fernando, Brindisi, and Malta; above 55° over southern Europe generally. Lowest 33° at Archangel, 37° at Ulleaborg and Hernösand, and 41° at Haparanda. Rising during day to 55° and upwards in many parts of our Islands and to 60° at Shields; exceeding 60° over Germany and the south of Sweden, and exceeding 70° over the Spanish Peninsula and the extreme south of France.

Wind moderate to fresh from the SW. over the Bay of Biscay, and from the S. or SE. on our own southwest coasts. Light to fresh from the W. over the northern parts of the United Kingdom, and from the SW. over the east and southeast of England, the Netherlands, North Germany and Denmark; S. in the south of Scandinavia, E. in the west of Norway. Variable in Austria, W. or SW. in Italy; E. or NE. over the Spanish Peninsula. Subsequently veering to the NW. or N. over Scotland and the north of Ireland, but freshening from the SW. over the English Channel.

Barometer highest 30·4 in. and upwards in an anticyclone over the south of Russia; 30·3 in. and upwards in another system over Spain. Lowest 29·5 in. and less, in a shallow depression off the northeast of Scotland; 29·7 in. and less, in another disturbance off the southwest of Ireland, and also in a shallow system over Finland. Depression in southwest subsequently advancing in an eastnortheasterly direction across 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 Saturday, 7th May, 1898.

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 ...	29.84	40	NW	0	0	29.93	+.18	43	40	+ 7	NW	0	0	#	0	#	43	36	–
	Hernösand ...	29.88	36	NW	0	b	30.01	+.24	49	44	+ 11	NW	0	c	#	b	#	49	34	–
	Stockholm ...	29.96	49	NW	0	0	29.99	+.11	46	46	- 6	NNE	2	r	#	0	#	61	41	0.35
	Wisby	29.90	48	SSE	4	r	29.88	-.03	49	46	- 3	SSE	4	0	#	r	#	59	39	–
	Karlstad ...	29.92	46	NE	2	c	30.02	+.23	48	44	+ 5	NNE	4	bc	#	c	#	#	#	–
	Bodö	29.82	45	SW	4	c	29.92	+.21	48	43	- 1	SW	1	c	1	c	#	55	41	–
	Christiansund ...	29.98	48	WSW	4	f	30.12	+.38	45	43	- 3	W	3	0	3	f	#	50	45	0.04
	Skudesnaes ...	29.99	46	N	6	c	30.14	+.36	47	46	+ 1	N	5	bc	2	q,c	#	50	43	#
	Færder (Christiania Fjord)	29.91	44	WNW	1	m	30.04	+.29	46	44	+ 2	NNW	4	b	2	m	#	46	43	–
	Skagen (The Scaw)	29.87	42	NNE	3	f	30.01	+.22	46	45	+ 3	NE	3	b	?	f	#	52	41	–
	Fanö	29.85	46	N	6	b	29.98	+.39	47	46	- 1	NNE	4	b	#	b	#	57	41	0.08
British Islands.	Sumburgh Head	30.08	47	NW	3	c	30.20	+.34	48	46	+ 2	W	1	b	3	bc,c	#	49	40	–
	Stornoway ...	30.21	52	NW	4	bc	30.17	+.14	48	46	+ 1	S	4	b	4	bc	11.2	53	35	0.02
	Wick	30.16	50	NW	2	b	30.23	+.25	51	48	+ 5	SW	2	bc	1	b	#	61	38	–
	Nairn	30.22	53	NNW	2	bc	30.25	+.23	48	46	+ 1	W	0	b	0	bc	#	58	30	–
	Aberdeen ...	30.21	50	NNW	5	bc q	30.27	+.34	53	46	+ 7	SE	2	bc	1	bc q	5.2	54	37	0.01
	Leith	30.19	55	SSE	3	bc	30.28	+.30	50	46	0	ESE	1	om	#	bc	#	61	40	–
	Shields	30.22	48	N	2	b	30.33	+.40	51	47	+ 3	W	0	bm	2	0,b	#	51	40	–
	Spurn Head ...	30.14	47	NNW	1	0	30.32	+.50	49	46	0	NNW	3	c q	3	0,b,q	#	53	42	–
	York	30.19	50	NW	3	bc	30.34	+.43	48	45	- 1	NW	1	b	#	bc	6.5	53	37	–
	Loughborough ...	30.20	53	N	4	bc	30.36	+.44	50	46	+ 1	NW	1	b c w	#	e,bc,b	#	58	35	–
	Ardrossan ...	30.19	54	WNW	4	b	30.28	+.28	52	50	- 1	S	2	b	2	b	#	57	40	–
	Malin Head ...	30.25	51	N	2	b	30.18	+.08	53	51	+ 4	S	3	e	2	b	#	53	45	–
	Belmullet ...	30.28	52	W	1	b	30.14	-.04	51	50	0	S	3	0	#	b	#	50	46	0.10
	Donaghadee ...	30.27	53	NNW	5	b	30.30	+.23	53	50	+ 3	WSW	4	bc	2	b	#	57	36	–
	Liverpool (Bidston)	30.23	51	WNW	2	b	30.36	+.36	51	46	+ 3	W	0	b	?	b	#	53	43	–
	Holyhead ...	30.26	50	N	3	b	30.33	+.29	52	49	+ 4	SSW	2	bm	1	b	#	54	43	–
	Parsonstown ...	30.25	61	SW	0	b	30.25	+.09	52	49	+ 3	SE	1	0	#	b	12.7	62	45	–
	Valencia ...	30.28	57	S	2	b	30.23	+.07	53	52	+ 1	SSE	4	gmr	3	b,l	13.0	60	49	0.04
	Roche's Point ..	30.31	55	SW	3	b	30.33	+.17	52	51	+ 2	SSW	3	0	3	b	#	57	46	–
	Pembroke (St. Ann's Hd.)	30.28	52	NW	4	b	30.36	+.26	49	46	- 1	SSE	3	b	3	b	14.0	53	45	–
	Scilly	30.31	52	NNW	3	b	30.36	+.28	54	51	+ 2	S	1	c w	2	b	13.5	56	47	–
	Prawle Point ...	30.23	52	NW	2	bc	30.30	+.35	53	50	+ 1	ENE	2	bc	2	bc	#	60	46	–
	Jersey (St. Aubin's)	30.23	56	NNW	4	b	30.38	+.39	57	52	+ 4	NE	3	m	3	bm	#	58	45	–
	Hurst Castle ...	30.18	61	NNW	3	bc	30.37	+.43	52	48	+ 1	NE	2	bm	1	c,bc	#	63	42	–
	Dungeness ...	30.10	53	N	3	o q	30.32	+.52	48	46	- 2	N	4	bc	3	bl,o q	#	59	44	0.02
	North Foreland	30.11	51	NW	4	bc	30.32	+.52	48	46	- 1	NW	3	b	2	bc	#	56	45	0.04
	London (Brixton) ...	30.17	54	N	4	bc	30.35	+.46	50	44	0	NNE	1	bm	#	cp,bw	7.8	62	40	–
	Oxford	30.26	50	NNE	2	b	30.38	+.45	50	46	+ 1	NW	1	b	#	c	#	59	39	–
	Cambridge ...	30.18	51	N	5	0	30.36	+.47	50	46	+ 1	N	3	bw	#	c q,p	8.3	59	37	0.01
	Yarmouth ...	30.06	49	NNW	5	c	30.27	+.47	49	46	+ 2	NNW	5	bc	4	bc,c	#	53	45	–
Germany & Holland.	Cuxhaven ...	29.64	49	N	6	0	29.92	+.38	49	47	+ 1	N	5	c	#	0	#	52	46	0.08
	Berlin	29.56	58	S	1	0	29.73	.00	52	50	- 1	SSW	2	c	#	0	#	63	50	0.63
	Wiesbaden ...	#	#	#	#	#	29.97	+.25	48	44	- 9	NW	5	0	#	#	#	59	45	0.39
	Munich... ..	29.87	47	W	5	0	29.98	+.02	41	40	- 9	W	6	r	#	0	#	61	39	0.32
	The Helder ...	29.95	47	NNW	4	bc	30.13	+.51	48	45	+ 2	N	5	0	3	bc	#	50	46	0.08
Belgium.	Brussels ...	#	#	#	#	#	30.20	+.55	46	44	- 4	NW	4	0	#	r	#	51	44	0.04
	Cape Gris Nez...	?	52	N	4	0	?	?	47	46	- 3	N	4	c	4	0	#	57	45	0.12
	Paris	30.12	51	NNW	3	bc	30.28	+.51	49	46	- 7	NNW	3	bc	#	bc	#	60	46	0.08
	Brest	30.25	54	NNW	2	b	30.38	+.36	46	45	- 6	NE	2	b	2	b	#	57	41	–
	Lorient... ...	30.28	54	NNW	4	b	30.37	+.36	48	46	- 3	NNE	2	b	4	b	#	63	45	–
France &	Rochefort ...	30.19	57	NW	4	bc	30.28	+.27	50	46	+ 6	N	3	b	#	e,bc	#	61	45	–
	Belfort	29.99	48	W	4	c	30.11	+.20	44	42	- 9	W	2	c	#	c	#	52	41	0.32
	Lyons	30.05	57	NW	1	b	30.20	+.13	46	44	- 9	N	3	c	#	b	#	64	44	0.04
	Nice	29.80	63	E	1	bc	29.74	-.26	55	53	0	SW	1	c	1	bc	#	66	48	–
	Perpignan ...	30.08	66	NW	5	bc	30.17	-.01	57	50	- 7	NW	5	c	#	bc	#	77	54	0.04
	Biarritz ...	30.23	59	WNW	4	0	30.28	+.08	56	53	- 1	S	2	0	2	0	#	61	52	–
Peninsula.	Corunna ...																#			
	Lisbon	30.23	63	N	4	b	30.16	-.11	69	62	+ 5	N	5	b	#	b	#	77	61	–
	Azores (P. Delgada)	30.14	63	SSE	4	c	30.07	-.03	63	58	- 1	SSE	4	0	5	c	#	73	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 13.7 hrs;

WEATHER CHARTS

FOR Saturday. 7th May. 1898

BAROMETER, WIND AND SEA.

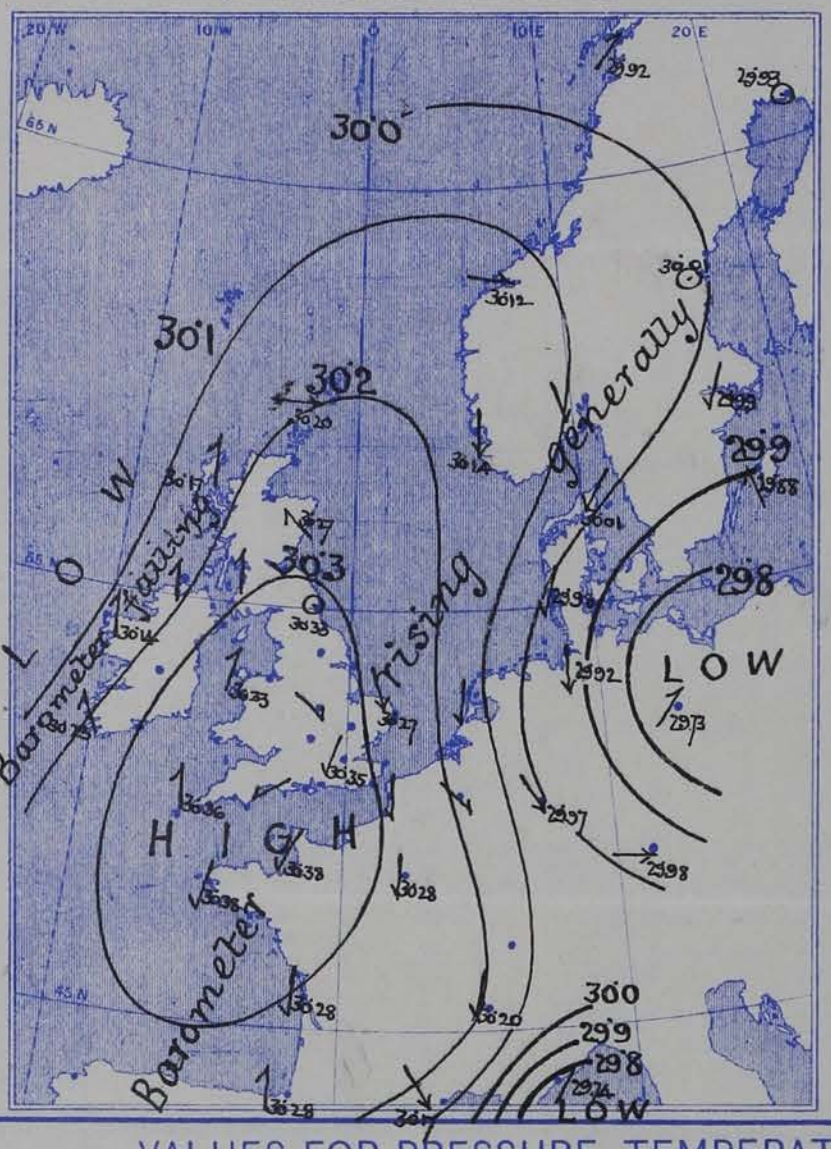
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▬

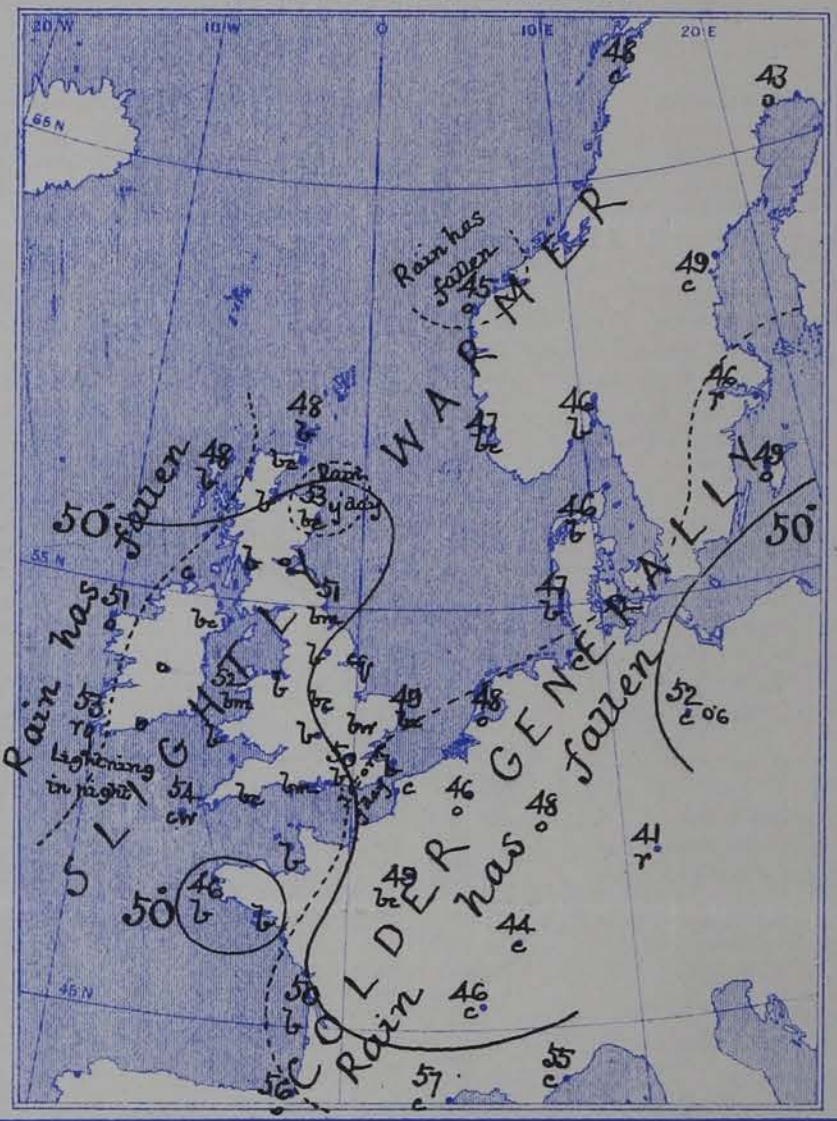


TEMPERATURE & WEATHER.

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 · 8	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 upwards over England, the east of Ireland, and the north of France; 30·1 in: and upwards, in an anticyclone covering nearly the whole of Western Europe.
Lowest, 29·8 in: and less, in a shallow depression over Germany, and also in a deeper system over the Gulf of Genoa.
Gradients slight generally, but steep over the southeast of France.
Barometer falling in the west and extreme north of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 57° at Jersey and Perpignan, 56° at Biarritz, 55° at Nice and 54° at Scilly.
Lowest, 43° at Haparanda, 45° at Christiansund, and 46° at Stockholm, Fäsder, Skagen and Brussels.
During yesterday the thermometer rose to between 55° and 60° in most parts of our Islands, to 61° at Wick and Leith, to 62° at Parsonstown and in London, and to 63° at Hunt Castle. Ground frost occurred over the inland parts of England at night.

WIND

Light to moderate from the S.W. in the west and north of our Islands, and from the SW. or W.S.W. in the west of Norway.
N. or NW. over the east of England and the western parts of the Continent generally, but W. or SW. over the central and southern parts of Germany.
Light from the NE. at the English Channel stations.

WEATHER

Fine over Great Britain and France, as well as in Denmark and the south of Norway.
Cloudy in Ireland, with rain at Valencia; cloudy or dull over the Netherlands, Germany and the greater part of Scandinavia, with rain at Stockholm & Munich.
Light showers fell yesterday at several of our northern, eastern, and southeastern stations, and larger quantities of rain in France and Germany. A thunderstorm occurred at Bergenen, and lightning was seen at night at Valencia (Ireland).

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression is approaching our western coasts, and will probably travel northeastwards, occasioning fresh S. winds and rain in most of our western and northern districts. In the east and south the weather is likely to remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 8TH MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and SW. winds, freshening; fine at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW. to SW. winds, light; fair generally.
3	ENGLAND EAST	NW. to W. or SW. winds, light; fine, warm.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	S. winds, moderate; fine at first, cloudy later, possibly some rain.
8	ENGLAND S.W.	
9	IRELAND NORTH	S. to SW. winds, fresh; 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 ...	29·89	50	49	NNW	6	cf	2
Sumburgh Head	30·02	48	44	NW	3	bc	4
Stornoway	30·16	53	46	N	4	c	4
Aberdeen	30·12	53	45	NW	6	bcq	4
Shields	30·11	50	47	N	4	o	3
Ardrossan	30·19	56	53	NNW	4	b	3
Malin Head ...	30·23	51	50	N	4	b	2
Belmullet	30·26	57	52	NE	1	b	*
Holyhead	30·20	52	49	NNW	3	b	2
Valencia	30·25	60	53	S	2	b	3
Scilly	30·23	52	50	NNW	4	b	3
Jersey	30·17	58	53	NNW	5	b	4
Hurst Castle ...	30·10	62	53	NNW	3	c	3
Dungeness ...	30·01	53	50	NNW	5	tlr	4
North Foreland	30·01	53	50	NW	4	bc	2
London (Westminster)	30·04	59	51	N	4	cp	*
Yarmouth ...	29·99	52	49	NW	4	bc	4
Rochefort ...	30·07	69	56	NW	5	c	*

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

Weather in morning fine over the United Kingdom generally, but showery on the northeast coasts of Great Britain. Cloudy over the greater part of the Continent, with fog at several of the Scandinavian stations, and rain over Denmark, Germany, the Netherlands, and the central part of France, as well as in Finland. Fine over the Spanish Peninsula and Central Italy. Showers falling later in the east and southeast of England, and considerable quantities of rain in Germany and the east of France; thunderstorm occurring at Dungeness, and lightning seen at night at Valencia (Ireland).

Temperature fallen generally, but risen in France and also in Russia. Morning readings highest 68° at Barcelona, 67° at Bilbao and Palma, and 66° at Palermo; above 60° at most of the Spanish and Mediterranean stations. Lowest 36° at Archangel and Haparanda, 38° at Hernösand, and 40° at Kuopio and Hangö. Rising during day to 60° or slightly above it in several isolated parts of the United Kingdom; exceeding 65° in the south of France, and reaching 77° at Perpignan and Lisbon.

Wind moderate to strong from the N^w^ or NW^w^ over our Islands, the Netherlands, and the north of France, and from the SW^wd^ over Central France and South Germany; S^th^ or SE^th^ in Eastern Germany; E^th^ or NE^th^ in Denmark. Light from the S^w^ or SW^w^ over Western Russia and the south of Scandinavia; E^th^ or NE^th^ in the north of Scandinavia; SW^th^ or W^th^ in Italy; NE^th^ over the Spanish Peninsula. Subsequently backing to the S^th^ in the south of Ireland; no important change occurring elsewhere.

Barometer highest 30·2 ins: and upwards, in an anticyclone lying to the westward of our Islands, and extending over the Bay of Biscay and the Spanish Peninsula, as well as in another system over the south of Russia. Lowest 29·6 ins: and less, in a well-marked depression with its centre over northwestern Germany; 29·7 ins: and less, in another disturbance off the Norwegian coast; 30·0 ins: and less, in a shallow system over the Adriatic. German depression subsequently travelling eastwards; anticyclone over the Atlantic spreading over the greater part 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 Sunday, 8th May, 1898.

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 ...	29.99	32	SW	0	f	29.87	-.06	36	35	-7	SW	0	f	#	f	#	46	30	0.08
	Hernösand ...	29.98	45	SW	0	b	30.02	+.01	46	41	-3	SW	2	bc	#	b	#	59	32	-
	Stockholm ...	30.08	47	NE	2	0	30.11	+.12	50	46	+4	SW	0	b	#	0	#	54	45	0.63
	Wisby	30.03	40	N	4	r	30.07	+.19	41	41	-8	NNE	4	f	#	r	#	52	37	0.04
	Karlstad ...	30.05	52	NNE	2	b	30.06	+.04	47	44	-1	ESE	2	b	#	b	#	#	#	-
	Bodö	30.01	41	SW	4	c	29.80	-.12	41	39	-7	ESE	2	c	1	c	#	48	34	0.35
	Christiansund ...	30.13	48	NW	4	0	29.94	-.18	48	43	+3	SSW	2	c	4	0	#	48	43	0.04
	Skudesnaes ...	30.15	45	NNW	4	bc	30.06	-.08	45	44	-2	S	1	c	1	bc	#	52	37	#
	Færder (Christiania Fjord)	30.07	49	WSW	2	c	30.03	-.01	47	45	+1	SW	0	c	0	c	#	54	40	-
	Skagen (The Scaw)	30.10	48	NW	1	b	30.08	+.07	48	46	+2	SW	1	b	0	b	#	50	43	-
	Fanö	30.14	46	NW	4	b	30.15	+.17	45	44	-2	NW	2	b	#	b	#	59	43	-
	Sumburgh Head	30.11	48	S	2	b	29.81	-.39	48	48	0	WSW	3	0	4	b	#	53	45	0.02
	Stornoway ...	30.00	50	SW	5	0	29.85	-.32	51	50	+3	WSW	3	0	3	r.0	5.9	54	45	0.05
	Wick	30.05	53	W	3	bc	29.87	-.36	55	53	+4	W	4	0	2	bc	#	56	48	-
	Nairn	30.06	58	W	2	c	29.92	-.33	56	52	+8	W	3	bc	1	c	#	62	46	-
	Aberdeen ...	30.13	47	S	3	bc	29.92	-.35	59	51	+6	W	4	cpl	2	bc	12.7	61	47	-
	Leith	30.17	56	W	2	c	30.00	-.28	51	50	+1	WSW	3	r	#	c	#	63	48	-
	Shields	30.22	51	ESE	1	c	30.04	-.29	53	51	+2	SW	2	0	2	bc m. r	#	54	47	0.06
	Spurn Head ...	30.25	59	SE	3	c	30.10	-.22	52	49	+3	SW	3	0	3	c.0	#	55	47	-
	York	30.26	58	W	1	bc	30.09	-.25	50	49	+2	S	1	0	#	bc	5.5	61	48	-
	Loughborough ...	30.26	62	W	1	c	30.15	-.21	50	49	0	WSW	2	0	#	bc. c. a	#	65	46	0.06
British Islands.	Ardrossan ...	30.17	50	S	3	om	30.03	-.25	51	50	-1	W	1	qp	2	om	#	53	48	0.02
	Malin Head ...	30.06	52	S	5	c	30.03	-.15	51	51	-2	SSW	3	c	2	r. e. r	#	54	48	0.04
	Belmullet ...	30.12	53	WSW	3	0	30.10	-.04	53	52	+2	WSW	4	0	#	0	#	54	50	0.47
	Donaghadee ...	30.19	50	SSW	3	or	30.09	-.21	53	52	0	WSW	3	r	1	or	#	55	48	0.31
	Liverpool (Bidston)	30.27	55	SW	0	0	30.11	-.25	53	52	+2	SSW	1	r	1	b. r	#	60	47	0.09
	Holyhead ...	30.26	48	SW	2	am	30.12	-.21	51	51	-1	SW	1	dm	0	om. am	#	57	46	0.23
	Parsonstown ...	30.17	56	SW	1	r	30.12	-.13	54	53	+2	W	1	0	#	or	0.0	56	51	0.30
	Valencia ...	30.23	55	NNW	1	om	30.20	-.03	54	54	+1	WSW	3	qpf	4	om. rm	0.0	56	52	0.30
	Roche's Point ..	30.24	53	SW	2	a	30.17	-.16	55	54	+3	WSW	2	qpf	3	rm	#	55	50	0.18
	Pembroke (St. Ann's Hd.)	30.30	49	SW	3	r	30.15	-.21	51	50	+2	WSW	3	f	4	r. f	5.5	53	47	0.38
	Scilly	30.31	54	SSW	4	0	30.21	-.15	53	53	-1	W	3	f	3	c. 0	4.2	57	50	0.05
	Prawle Point ...	30.35	50	SW	3	c	30.21	-.18	51	51	-2	WSW	2	qpf	2	c. or	#	56	46	0.15
	Jersey (St. Aubin's)	30.38	56	NW	2	c	30.29	-.09	51	50	-6	SSW	2	qrm	2	bc. c. r	#	62	46	0.11
	Hurst Castle ...	30.35	54	SW	1	bcm	30.24	-.13	48	47	-4	SW	4	rm	3	c. bcm	#	57	47	0.15
	Dungeness ...	30.31	52	SSE	1	bc	30.22	-.10	51	50	+3	SSW	1	p	1	bc	#	59	48	0.01
	North Foreland	30.34	49	NNE	2	bc	30.23	-.09	52	51	+4	S	1	c	1	b	#	53	44	-
	London (Brixton) ...	30.30	60	N	1	b	30.21	-.14	50	49	0	SW	2	qp	#	bm. b, o	10.0	64	48	0.01
	Oxford	30.30	56	WSW	2	0	30.19	-.19	48	47	-2	SSW	2	0	#	bc. r	#	64	46	0.07
	Cambridge ...	30.30	61	N	1	c	30.18	-.18	49	49	-1	S	2	a	#	c	12.7	63	47	0.01
	Yarmouth ...	30.29	53	N	3	b	30.17	-.10	52	49	+3	SSW	3	c	3	bc. b	#	54	43	-
Germany & Holland.	Cuxhaven ...	30.07	50	NNW	5	b	30.16	+.24	48	47	-1	NNW	2	0	#	b	#	52	46	-
	Berlin	29.93	60	W	0	0	30.12	+.39	51	49	-1	NW	4	r	#	0	#	63	50	0.16
	Wiesbaden ...	#	#	#	#	#	30.20	+.23	48	45	0	NW	4	b	#	#	#	52	46	0.16
	Munich	30.13	42	W	5	r	30.17	-.19	45	44	+4	NW	5	0	#	r	#	46	41	0.08
	The Helder ...	30.23	47	N	3	b	30.21	+.08	50	47	+2	W	1	b	1	b	#	52	45	-
Belgium.	Brussels ...	#	#	#	#	#	30.28	+.08	43	41	-3	SSW	1	0	#	0	#	49	39	-
	Cape Gris Nez ...	?	52	ENE	2	b	?	?	50	49	+3	SSW	2	m	2	b	#	57	46	-
	Paris	30.32	53	N	2	bc	30.30	+.02	46	45	-3	W	0	b	#	bc	#	56	36	-
	Brest	30.38	55	W	1	bc	30.29	-.09	52	50	+6	WSW	2	0	2	bc	#	59	45	-
	Lorient	30.36	57	W	4	c	30.30	-.07	54	52	+6	NNW	1	0	0	c	#	64	46	-
France &	Rochefort ...	30.33	63	NNE	3	bc	30.35	+.07	50	46	0	E	2	b	#	bc	#	68	45	-
	Belfort	30.16	49	W	3	0	30.24	+.13	45	44	+1	W	0	m	#	0	#	54	41	-
	Lyons	30.19	50	NNW	3	c	30.23	+.03	46	44	0	NNW	2	bc	#	c	#	53	44	0.04
	Nice	29.93	61	SE	3	c	29.88	+.14	60	48	+5	E	3	bc	2	c	#	68	52	-
	Perpignan ...	30.08	63	NW	6	b	30.11	-.06	57	48	0	NW	6	b	#	b	#	66	53	-
	Biarritz ...	30.29	59	NNW	4	b	30.26	-.02	54	52	-2	NE	2	b	2	b	#	61	50	-
Peninsula.	Corunna ...																#			
	Lisbon	30.10	71	N	4	b	30.09	-.07	68	56	-1	NNE	5	b	#	b	#	82	68	-
	Azores (P. Delgada)	30.06	63	SE	4	bc	30.06	-.01	64	60	+1	ENE	1	bc	2	bc	#	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.*

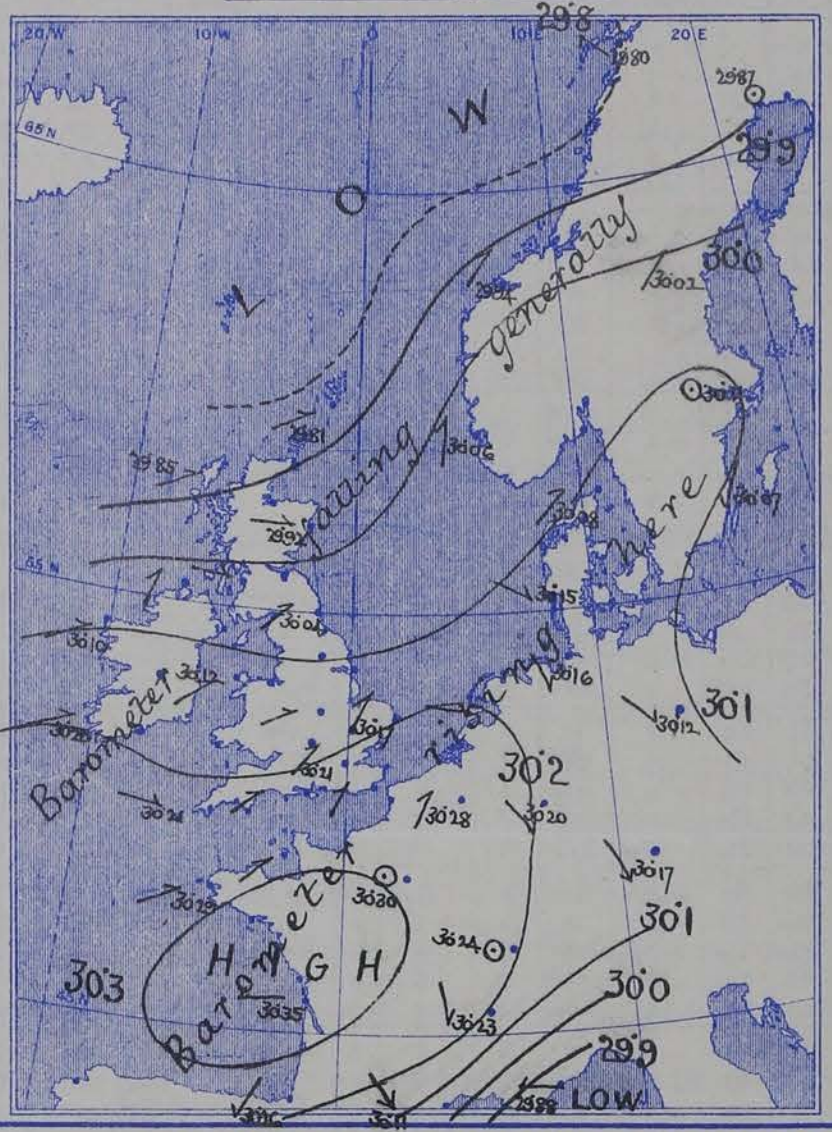
Bright Sunshine yesterday Southport 8.2 hrs;

WEATHER CHARTS

FOR Sunday, 8TH May, 1898

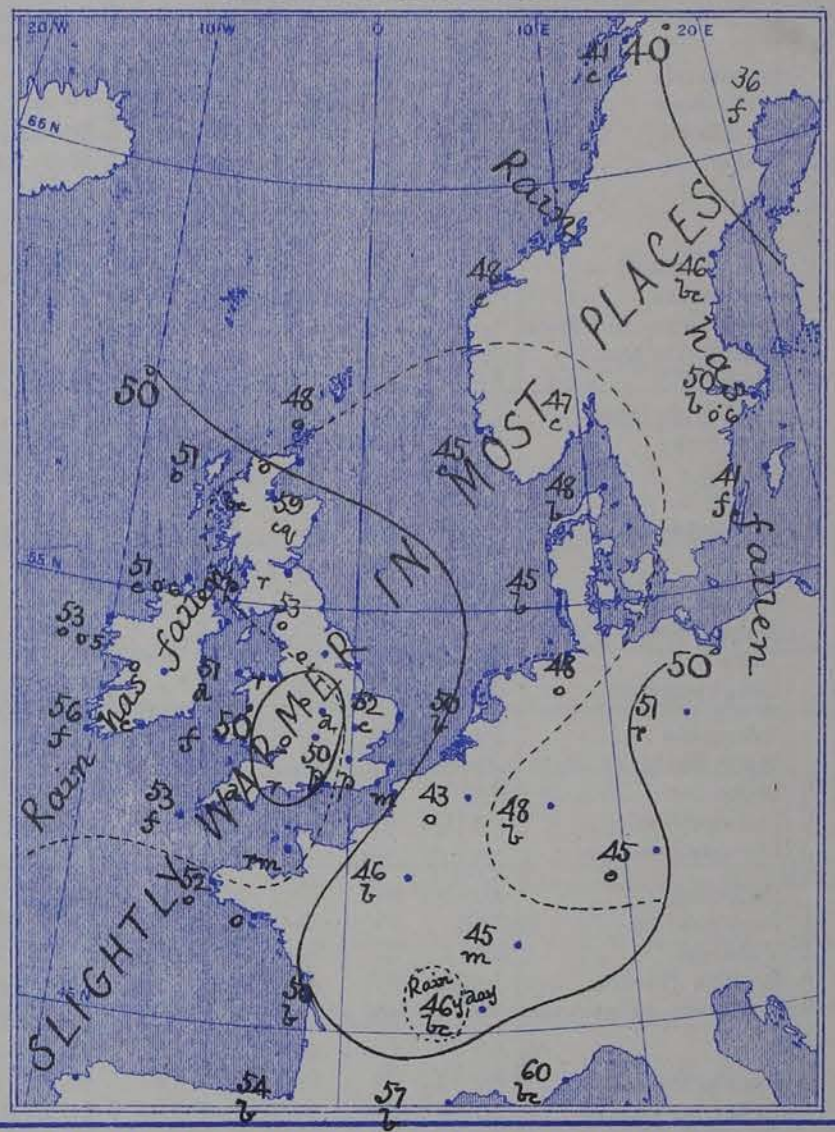
BAROMETER, WIND AND SEA.

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 in an anticyclone lying over the Bay of Biscay & the central parts of France
Lowest 29·8 ins. and less in a large area lying to the N. of our Islands and the W. of Norway; 29·9 ins. and less in another system over the Gulf of Genoa.
Gradients slight generally, but rather steep over the south of France.
Barometer falling in our Islands and the neighbouring parts of the Continent, but rising in Germany, Denmark and the S. of Sweden.

TEMPERATURE

Highest (1) 68° at Lisbon, 60° at Nice, and 57° at Perpignan; (2) 59° at Aberdeen, 56° at Nairn, and 55° at Wick and Rocks Point.
Lowest (1) 36° at Haparanda, and 41° at Bodö; (2) 43° at Brussels, and 45° at Faro, Belfort & Munich.
During yesterday the thermometer rose to 60° and upwards in many parts of Gt. Britain, & to 65° at Longhaven

WIND

Light from the SW^ard over the United Kingdom, and from the S. or SE. at most of the Scandinavian stations.
Light to fresh from the NW^ard in Denmark, Germany and the S. of France; E. or NE. in the southwest of France.

WEATHER

Cloudy and dull over the United Kingdom generally, with rain in many places & fog on our SW. coast.
Fine at most of the Continental stations, but dull in Germany with rain at Berlin; foggy at Haparanda and Whitby.
Since yesterday morning rain has fallen in many parts of our Islands as well as in Germany and Scandinavia, the largest amounts being 0·6 in. at Malin Hd., and also at Stockholm, and 0·5 in. at Belmullet

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 9TH MAY 1898

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.
Skudesnaes ...	30·18	51	49	N	6	b	2
Sumburgh Head	30·18	52	47	SSW	1	b	3
Stornoway	30·06	52	49	SW	4	r	4
Aberdeen	30·20	52	46	SSE	5	bc q	4
Shields	30·28	51	48	SSW	2	bc m	2
Ardrossan	30·21	53	51	S	3	o	2
Malin Head ...	30·10	49	49	S	6	r	3
Belmullet	30·12	54	53	SW	3	r	*
Holyhead	30·32	54	46	SSW	2	om	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·22	58	55	S	3	om	4
Scilly	30·36	56	53	S	2	c	1
Jersey	30·40	62	54	SW	3	bc	3
Hurst Castle ...	30·36	55	51	SW	3	c	2
Dungeness ...	30·31	59	53	N	3	bc	2
North Foreland	30·34	52	49	NW	2	b	2
London (Westminster)	30·32	60	50	N	3	bc	*
Yarmouth ...	30·29	53	47	N	4	bc	4
Rochefort ...	30·33	62	57	NNW	3	bc	*

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

Weather in morning fine over Gt. Britain, France and Spain, as well as over Denmark, the Baltic and the central and southern parts of Russia. Cloudy or dull elsewhere, with rain at Valencia (Ireland) and also over Nrn. Italy and at Breslau and Stockholm. Rain falling later over all the more western parts of our Islands, as well as in Germany and Scandinavia.

Temperature risen over the United Kingdom, and also over Greece and Srn. Italy, fallen in most other localities. Morning readings highest 69° at Lisbon and Algiers, 68° at Barcelona and Spezzia, and 67° at San Fernando; above 60° at the Mediterranean and Spanish coast stations generally. Lowest (1) 37° at Ulleaborg, 38° at Archangel, and 42° at Kuopio; (2) 41° at Munich, and 44° at Belfort. Rising during day to 60° and upwards in many parts of Gt. Britain, and to 65° at Loughborough; exceeding 65° in the extreme south of France, and reaching 82° at Lisbon.

Wind light to moderate from the Srn. in the west and north of our islands, and from the SWrn. or Wrn. in the west of Norway. Nly. over England, France, the Netherlands, Denmark and the south of Scandinavia, but SWly. over the central and southern parts of Germany, and SEly. or Ely. in the west and south of Russia; calm over Finland and the Gulf of Bothnia. Light from between S. and W. over southern Italy; Ely. or NEly. over the northern parts of Italy and the Adriatic. Sly. or SWly. breezes setting in later over the whole of the United Kingdom, no important change occurring elsewhere.

Barometer highest 30·3 ins. and upwards over England and the N. and W. of France; 30·1 ins. and upwards in an anticyclone covering nearly the whole of Wrn. Europe. Lowest 29·7 ins. and less in a well marked depression over Italy and the Adriatic; 29·8 ins. and less in a shallower disturbance over the Ern. parts of Germany. Anticyclone moving slowly Sto. during day, and depressions beginning to skirt our own NWrn. coast.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 9th May, 1898.

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 ...	29.74	34	SW	0	bc	29.62	-.25	38	35	+ 2	SW	0	0	*	bc	*	41	30	-
	Hernösand ...	29.75	38	SW	0	bc	29.52	-.50	43	40	- 3	S	2	0	*	0	*	50	34	-
	Stockholm ...	29.92	47	S	2	bc	29.70	-.41	54	47	+ 4	SSW	2	c	*	bc	*	61	39	-
	Wisby	29.97	46	S	4	b	29.78	-.29	51	47	+ 10	SW	4	bc	*	b	*	?	37	-
	Karlstad ...	29.85	46	SW	4	bc	29.61	-.46	44	43	- 3	S	4	r	*	bc	*	*	*	-
	Bodö	29.67	39	W	2	r	29.57	-.23	42	39	+ 1	NNE	4	c	1	r	*	43	36	0.35
	Christiansund ...	29.66	49	SW	2	r	29.49	-.45	46	45	- 2	WSW	2	r	2	r	*	50	46	0.12
	Skudesnaes ...	29.81	45	SSW	2	r	29.62	-.44	45	45	0	NW	5	rf	2	rf	*	46	37	*
	Færder (Christiania Fjord)	29.82	46	SW	6	0	29.56	-.47	45	45	- 2	WSW	2	m	3	0	*	48	45	0.12
	Skagen (The Scaw)	29.90	48	SW	2	c	29.62	-.46	46	46	- 2	W	3	m	0	c	*	55	45	0.20
	Fanö	29.93	48	WSW	4	0	29.75	-.40	48	48	+ 3	WSW	4	r	*	0	*	54	45	0.04
British Isles.	Sumburgh Head	29.68	50	W	3	0	29.79	-.02	42	39	- 6	NW	4	c	4	0	*	52	40	0.05
	Stornoway ...	29.81	52	W	3	pa	29.99	+.14	45	42	- 6	NNE	4	0	4	opa	1.1	55	41	0.10
	Wick	29.79	51	NW	3	0	29.92	+.05	46	43	- 9	NW	4	c	2	0,r	*	50	41	0.06
	Nairn	29.83	55	W	2	c	29.95	+.03	48	46	- 8	NNE	3	c	3	c	*	61	44	0.03
	Aberdeen ...	29.82	59	W	4	cq	29.92	.00	46	43	- 13	N	5	ogqp	3	cq	5.4	65	45	0.01
	Leith	29.92	61	WSW	5	0	29.92	-.08	52	49	+ 1	WSW	2	c	*	0	*	62	47	-
	Shields	29.96	58	SW	2	0	29.94	-.10	54	50	+ 1	WSW	4	c	2	p,o	*	61	48	0.01
	Spurn Head ...	29.98	53	W	1	f	29.95	-.15	51	49	- 1	W	5	c	3	c.fa	*	59	49	0.03
	York	30.01	57	W	1	c	29.99	-.10	52	49	+ 2	W	2	0	*	0,c	0.3	60	45	0.01
	Loughborough ...	30.04	58	W	3	0	30.06	-.09	51	48	+ 1	NW	2	0	*	op,c,bc	*	59	48	0.02
	Ardrossan ...	29.99	53	W	4	op	29.98	-.05	52	50	+ 1	W	4	c dp	3	op	*	54	48	-
	Malin Head ...	30.03	50	WSW	4	cp	30.04	+.01	49	49	- 2	WNW	4	c pm	4	r.c p	*	54	47	0.03
	Belmullet ...	30.14	55	W	3	0	30.11	+.01	53	52	0	WNW	3	0	*	0	*	55	49	0.05
	Donaghadee ...	30.05	58	WNW	3	c	30.07	-.02	52	48	- 1	WNW	3	c	1	c	*	60	48	0.05
	Liverpool (Bidston)	30.05	55	W	3	c	30.08	-.03	50	47	- 3	W	4	0	3	p,c	*	55	47	0.02
	Holyhead ...	30.09	56	SW	2	c	30.10	-.02	50	48	- 1	W	3	0	2	f.e	*	61	47	0.02
	Parsonstown ...	30.13	58	W	1	bc	30.12	.00	52	51	- 2	SW	0	or	*	bc	6.8	63	50	0.15
	Valencia ...	30.21	54	WSW	2	oam	30.19	-.01	54	53	0	WSW	3	0	4	oam	0.0	58	51	0.10
	Roche's Point ...	30.18	59	NW	3	bc	30.18	+.01	56	53	+ 1	NW	3	bc	3	bc	*	63	53	-
	Pembroke (St. Ann's Hd.)	30.14	52	NW	3	f	30.15	00	52	50	+ 1	NW	2	0	4	f	0.0	53	48	-
	Scilly	30.19	53	NNW	4	f	30.16	-.05	53	52	0	NW	4	fq	3	f	0.0	55	50	0.02
	Prawle Point ...	30.16	53	WSW	3	c	30.14	-.07	54	53	+ 3	W	2	c	1	cf	*	56	50	-
	Jersey (St. Aubin's)	30.17	54	W	3	of	30.15	-.14	52	52	+ 1	WNW	3	r.o.f	3	r.o.f	*	54	50	0.04
	Hurst Castle ...	30.11	53	WSW	3	om	30.10	-.14	56	54	+ 8	W	2	dp,om	2	dp,om	*	57	47	0.03
	Dungeness ...	30.09	49	WSW	4	r	30.03	-.19	56	54	+ 5	WNW	3	c	2	r.f	*	56	48	0.05
	North Foreland	30.09	50	SW	2	r	30.03	-.20	53	51	+ 1	WNW	4	bc	2	o,r	*	57	49	0.16
	London (Brixton) ...	30.08	54	WSW	2	oap	30.07	-.14	55	50	+ 5	NW	2	0	*	opa,c,b	0.0	55	48	0.03
	Oxford	30.08	57	W	2	0	30.09	-.10	53	47	+ 5	NW	3	c	*	op	*	59	47	0.02
	Cambridge ...	30.06	55	SW	2	r	30.05	-.13	54	51	+ 5	NW	3	0	*	oa	0.0	56	48	0.04
	Yarmouth ...	30.05	54	WSW	3	c	29.98	-.19	54	52	+ 2	NW	4	bc	3	c	*	57	48	0.02
Germany & Holland.	Cuxhaven ...	30.08	48	W	1	c	29.84	-.32	49	48	+ 1	WSW	3	r	*	c	*	52	45	0.08
	Berlin	30.06	53	NW	2	0	29.95	-.17	52	50	+ 1	SW	2	b	*	0	*	55	45	0.04
	Wiesbaden ...	*	*	*	*	*	30.04	-.16	48	46	0	NW	1	0	*	*	*	59	41	-
	Munich	30.17	47	W	3	0	30.10	-.07	50	47	+ 5	SW	3	c	*	0	*	53	45	0.12
	The Helder ...	30.06	51	SW	2	0	29.92	-.29	51	48	+ 1	NW	2	b	2	0	*	54	48	0.04
Belgium.	Brussels ...	*	*	*	*	*	30.01	-.27	52	52	+ 9	WNW	2	0	*	r	*	60	42	0.08
	Cape Gris Nez ...	30.08	52	SW	4	r	?	?	52	51	+ 2	NW	2	m	2	r	*	55	43	0.35
	Paris	30.18	58	W	2	c	30.07	-.23	54	53	+ 8	WNW	2	0	*	c	*	65	46	0.08
	Brest	30.24	54	NW	1	m	30.20	-.09	52	52	0	NW	1	0	2	m	*	55	48	0.20
	Lorient	30.22	56	SW	3	m	30.19	-.11	54	54	0	NNW	4	0	3	m	*	64	45	0.04
France &	Rochefort ...	30.28	57	N	3	0	30.19	-.16	56	50	+ 6	N	4	r	*	0	*	64	46	0.12
	Belfort	30.19	52	ENE	2	m	30.13	-.11	40	40	- 5	W	0	0	*	m	*	57	39	-
	Lyons	30.15	55	N	2	b	30.13	-.10	52	48	+ 6	WNW	1	0	*	b	*	57	46	-
	Nice	29.93	61	SW	2	bc	29.94	+.06	61	51	+ 1	W	0	0	2	bc	*	70	52	-
	Perpignan ...	30.10	66	W	4	b	30.13	+.02	59	51	+ 2	NW	4	bc	*	b	*	68	56	-
	Biarritz ...	30.22	61	NW	4	b	30.19	-.07	55	54	+ 1	W	4	r	2	b	*	63	54	-
Peninsula.	Corunna ...																*			
	Lisbon	30.07	70	NNW	4	b	30.10	+.01	68	53	0	NNE	4	b	*	b	*	82	64	-
	Azores (P. Delgada)	30.17	61	E	2	b	30.19	+.13	62	59	- 2	NE	3	c	2	b	*	84	59	-

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

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

Bright Sunshine yesterday Southport 0.7 hrs;

WEATHER CHARTS

FOR Monday 9th May 1898

BAROMETER, WIND AND SEA.

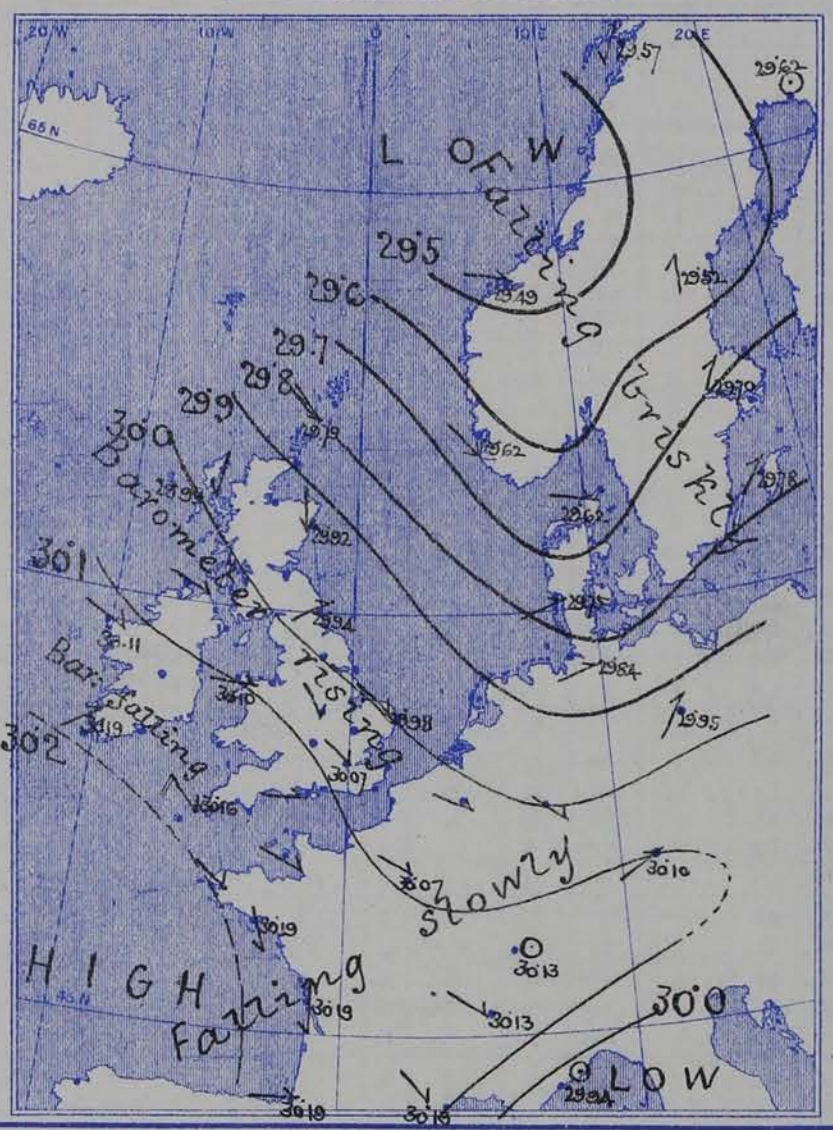
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

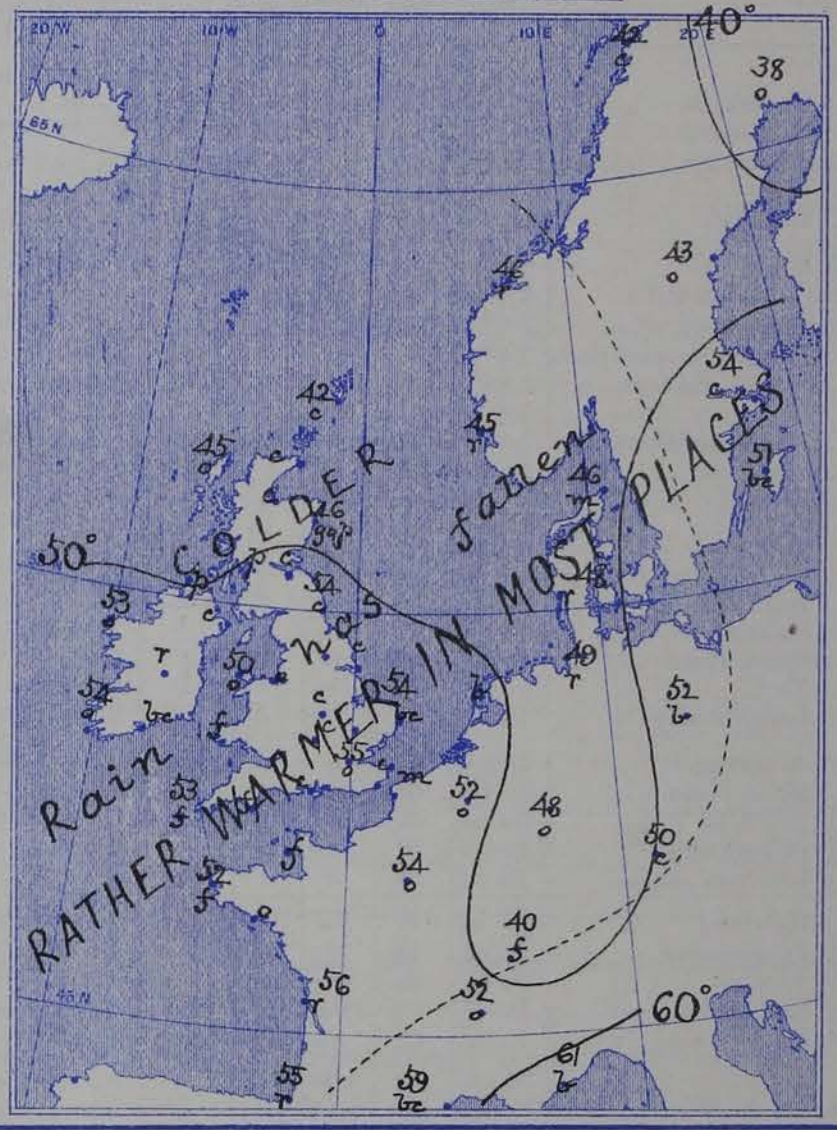


TEMPERATURE & WEATHER.

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 extending from the Atlantic over the Bay of Biscay.
Lowest 29·5 ins. and less in a shallow depression over Norway.
Gradients slight. Barometer rising over the United Kingdom generally, but falling again on our extreme W. and SW. coasts, falling at most of the Continental stations.

TEMPERATURE

Highest 61° at Nice, 59° at Perpignan, and 56° at Rocke's Pt. Hurst Castle and Dungeness.
Lowest 38° at Haparanda, 42° at Bodö and Strömburgh Hd., 43° at Hernösand, 44° at Karlstad, and 45° at Faerder, Skudesnaes and Stornoway.
During yesterday the thermometer rose to 60° and upwards at several of our W^m. and N^r. stations, and to 65° at Aberdeen. In the S. of England it scarcely exceeded 55°.

WIND

Light to moderate from the W^wd. or NW^wd. over western Europe as a whole, but from the N^wd. at several stations in the north of Scotland.
Light from the SW^wd. in Germany and from the S^wd. in Sweden.

WEATHER

Cloudy or dull in most places, with fog on our SW. coasts, passing showers at several of our western stations, and steady rain in the SW. of France, as well as in Denmark and Norway. Fine in the extreme S. of France.
Rain fell yesterday in nearly all parts of W^rn. Europe, but the quantity was mostly slight.

SEA

Slight or smooth generally, but moderate on several parts of our SW^rn. & extreme N^rn. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Norway appears to be moving SE^wds. Shallow secondary systems are likely to pass in a similar direction across our Islands, and showers are therefore probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 15TH MAY 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N^rly winds backing later. changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W^rly and NW^rly winds, moderate, changeable, some showers.
3	ENGLAND EAST	NW^rly to W^rly winds, moderate fair generally, but local showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	W^rly to NW^rly winds, moderate; cloudy, some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW^rly to W^rly winds, moderate, fair at first, some rain later, fog on coast.
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 ...	29.95	45	44	S	6	o	4
Sumburgh Head							
Stornoway	29.83	55	51	W	3	qp	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30.02	52	51	WSW	5	r	3
Belmullet	30.14	56	53	W	3	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.23	53	52	SW	3	or	3
Hurst Castle ...							
Dungeness ...	30.15	50	49	WSW	4	r	3
North Foreland	30.14	51	50	SW	2	o	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.31	63	55	NW	2	c	*

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

Continental information not received

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 1ST. TO THE 7TH MAY.

At the commencement of the week barometrical pressure remained highest over Nth. Europe, an area of comparatively high readings being found, however, over Morocco and the S. of Spain. On the 1st. the depression which had travelled northward across our Islands at the close of the previous week passed away to the NW. of Scotland, but on the following day a new disturbance appeared off our SW. coasts and spread quickly northeastward, heavy rain falling in most parts of the United Kingdom and France, with an Eth. gale in the N. of Ireland.

The northern anticyclone now began to move southwards and eventually settled down over the S. of Russia. As a result of this change the depression off our SW. coasts was enabled to travel northwards and northeastwards, while other disturbances appeared over central Europe, the weather becoming rainy and unsettled over the Wn. and central countries generally, with considerable falls of rain in places, and with a Sth. gale on our western coasts on the night of the 2nd. On the 5th. the depression over our islands gradually dispersed off the NE. of Scotland, but a new disturbance appeared in the SW. the latter ultimately moving eastwards across England, the Netherlands and Germany and occasioning heavy falls of rain in many places. In its rear the wind veered to the NWd. or Nth. over western Europe generally, with finer weather, but at the close of the week it was again backing to the Snd. over the whole of our Islands, with rain in the extreme W. and N., these changes being due to a depression which was skirting the Irish and Scotch coasts. Complex disturbances were also appearing over Italy and the Mediterranean and the conditions over the whole of Europe were extremely unsettled.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

for 8 a.m. on Tuesday, 10th May, 1898.

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 ...	29.51	40	SW	0	r	29.41	-.21	41	40	+ 3	SSE	2	c	#	r	#	43	28	0.39
	Hernösand ...	29.39	37	SW	0	s	29.30	-.22	41	40	- 2	NW	2	fg	#	s	#	52	34	0.32
	Stockholm ...	29.45	48	SSW	4	0	29.33	-.37	50	48	- 4	S	2	0	#	0	#	59	41	-
	Wisby	29.56	45	SSW	4	0	29.42	-.36	44	41	- 7	W	6	bc	#	0	#	57	39	-
	Karlstad ...	29.40	46	SSW	2	0	29.32	-.29	43	42	- 1	SSW	2	r	#	0	#	#	#	0.43
	Bodö	29.51	46	ENE	2	0	29.44	-.13	46	41	+ 4	E	4	b	1	0	#	46	39	-
	Christiansund ...	29.58	43	WSW	3	r	29.59	+.10	44	41	- 2	NW	5	c	4	r	#	46	41	0.20
	Skudesnaes ...	29.61	43	NNW	8	c	29.53	-.09	44	43	- 1	NW	8	b	2	0.c	#	46	39	#
	Færder (Christiania Fjord)	29.34	47	SW	0	c	29.36	-.20	45	42	0	NW	5	0	3	c	#	50	41	0.32
	Skagen (The Scaw)	29.42	45	NW	4	bc	29.31	-.31	46	45	0	NW	2	bc	0	bc	#	52	41	-
	Fanö	29.69	43	NNW	6	c	29.56	-.19	44	42	- 4	W	7	c	#	c	#	50	41	0.08
	Sumburgh Head	29.83	42	NW	5	bc	29.77	-.02	45	41	+ 3	NE	2	bc	4	c.bc	#	46	39	0.09
	Stornoway ...	30.01	46	N	4	c	29.75	-.24	45	40	0	SE	4	c	4	c	3.8	48	36	-
	Wick	29.96	45	NW	4	c	29.80	-.12	47	45	+ 1	S	3	b	2	c	#	59	32	0.05
	Nairn	29.99	49	NNE	3	c	29.81	-.14	46	40	- 2	E	1	b	1	c	#	54	28	-
	Aberdeen ...	29.97	48	NNW	4	bcq	29.83	-.09	45	40	- 1	N	1	bc	1	cq.p	3.3	50	34	0.01
British Islands.	Leith	29.94	50	E	3	0	29.83	-.09	48	43	- 4	ESE	1	0	#	0	#	62	42	0.01
	Shields	29.98	46	SW	0	0	29.88	-.06	46	43	- 8	NE	2	0	2	0	#	59	43	-
	Spurn Head ...	29.94	47	N	4	r	29.89	-.06	46	44	- 5	E	2	ov	3	0.r	#	55	44	0.07
	York	29.98	52	NE	1	0	29.89	-.10	47	44	- 5	SE	1	0	#	e.0	2.5	59	44	-
	Loughborough ...	30.03	56	NW	3	bc	29.91	-.15	52	50	+ 1	SSW	1	0 dmp	#	c.bc.p	#	59	48	0.03
	Ardrossan ...	29.96	52	W	4	c	29.81	-.17	46	46	- 6	NNE	1	fg	1	c	#	57	43	0.01
	Malin Head ...	30.02	49	NNW	1	0p	29.76	-.28	50	50	+ 1	SW	4	r	2	c.0p	#	57	45	0.35
	Belmullet ...	30.04	58	WSW	3	0	29.85	-.26	52	51	- 1	WSW	5	0	#	0m.0	#	55	50	0.04
	Donaghadee ...	30.03	51	NNW	3	c	29.83	-.24	47	47	- 5	SE	3	r	1	c	#	56	44	0.14
	Liverpool (Bidston)	30.02	51	W	3	0	29.87	-.21	52	51	+ 2	WSW	3	0	2	e.c	#	52	38	0.14
	Holyhead ...	30.04	51	SW	2	gmpa	29.88	-.22	52	51	+ 2	SW	1	am	1	0pa	#	57	48	0.04
	Parsonstown ...	30.05	57	W	1	0	29.89	-.23	54	53	+ 2	SW	2	0a	#	0.r	0.4	59	51	0.03
	Valencia ...	30.13	54	WSW	3	0	29.98	-.21	52	50	- 2	WSW	3	0m	3	0.0q	0.0	56	51	0.02
	Roche's Point ..	30.11	58	NW	3	c	29.97	-.21	56	54	0	WSW	2	c	3	c	#	61	51	-
	Pembroke (St. Ann's Hd.)	30.09	50	NW	3	0	29.97	-.18	51	50	- 1	NW	5	0q	4	0	0.6	53	50	-
	Scilly	30.15	54	W	4	0	30.05	-.11	54	52	+ 1	WSW	3	0m	3	0m.0	0.2	57	50	-
	Prawle Point ...	30.16	54	W	3	c	30.02	-.12	51	51	- 3	WSW	2	c	2	c	#	58	50	-
	Jersey (St. Aubin's)	30.12	55	WNW	3	cf	30.05	-.10	53	52	+ 1	W	4	0m	3	bc.cf	#	59	51	-
	Hurst Castle ...	30.05	61	W	3	c	29.95	-.15	55	53	- 1	WSW	2	c	2	c	#	63	52	-
	Dungeness ...	30.01	59	WNW	2	c	29.93	-.10	50	50	- 6	SSW	3	mp	2	c	#	63	49	0.02
	North Foreland	30.01	57	W	2	c	29.94	-.09	52	50	- 1	WSW	2	0m	1	bc.c	#	60	48	0.02
	London (Brixton) ...	30.03	59	W	2	bc	29.93	-.14	54	52	- 1	WSW	2	0m	#	c.0r	3.5	62	49	0.04
	Oxford	30.02	55	N	2	0	29.91	-.18	53	53	+ 2	W	3	0	#	e.bc.r	#	64	51	0.03
	Cambridge ...	30.01	58	NW	3	b	29.92	-.13	51	51	- 3	SW	1	d	#	c.b	5.3	60	46	0.01
	Yarmouth ...	29.96	54	NW	3	c	29.91	-.07	47	45	- 7	SW	0	cv	3	c	#	56	45	-
Germany & Holland.	Cuxhaven ...	29.80	49	W	6	0	29.72	-.12	45	44	- 4	NNW	6	b	#	0	#	52	43	-
	Berlin	29.79	53	SE	2	r	29.73	-.22	48	46	- 4	W	4	0	#	r	#	63	45	0.04
	Wiesbaden ...	*	*	*	*	*	29.91	-.13	51	48	+ 3	W	1	c	#	*	#	54	46	0.04
	Munich... ..	29.99	53	SW	5	0	29.96	-.14	46	46	- 4	W	3	0	#	0	#	59	45	0.28
	The Helder ...	29.91	49	WNW	2	bc	29.87	-.05	47	42	- 4	NW	3	bc	2	bc	#	52	46	-
France & Belgium.	Brussels ...	*	*	*	*	*	29.94	-.07	49	49	- 3	SW	2	r	#	0	#	60	48	0.08
	Cape Gris Nez...	?	54	SW	1	m	?	?	52	50	0	W	1	m	0	m	#	59	48	0.08
	Paris	30.04	60	NNW	4	0	30.02	-.05	52	52	- 2	S	1	0	#	0	#	69	47	0.04
	Brest	30.20	54	NW	2	c	30.11	-.09	53	52	+ 1	NW	2	c	2	c	#	57	48	-
	Lorient...	30.16	57	NW	4	0	30.13	-.06	54	54	0	NW	4	c	4	0	#	64	45	-
	Rochefort ...	30.16	57	NW	4	c	30.13	-.06	56	53	0	NNW	4	0	#	bc.c	#	63	54	-
	Belfort	30.02	50	W	1	r	29.99	-.14	50	49	+ 10	W	2	fg	#	r	#	58	40	0.28
	Lyons	30.08	55	NNW	1	r	30.05	-.08	55	50	+ 3	NNW	1	c	#	r	#	60	49	-
	Nice	29.89	62	SW	2	be	29.87	-.07	60	51	- 1	ENE	1	b	1	be	#	70	52	-
	Perpignan ...	30.08	63	NW	4	b	30.08	-.05	61	55	+ 2	NW	4	be	#	b	#	69	58	-
	Biarritz ...	30.18	58	WNW	3	0	30.15	-.04	57	55	+ 2	WSW	3	0	2	0	#	59	54	0.24
Peninsula.	Corunna ...																#			
	Lisbon	30.07	73	NNW	5	b	30.07	-.03	75	63	+ 7	NNW	8	b	#	b	#	84	66	-
	Azores (P. Delgada)	30.23	60	NE	4	b	30.22	+.03	63	57	+ 1	NNE	4	b	3	b	#	68	59	-

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

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

Bright Sunshine yesterday Southport...0.0 hrs;

WEATHER CHARTS

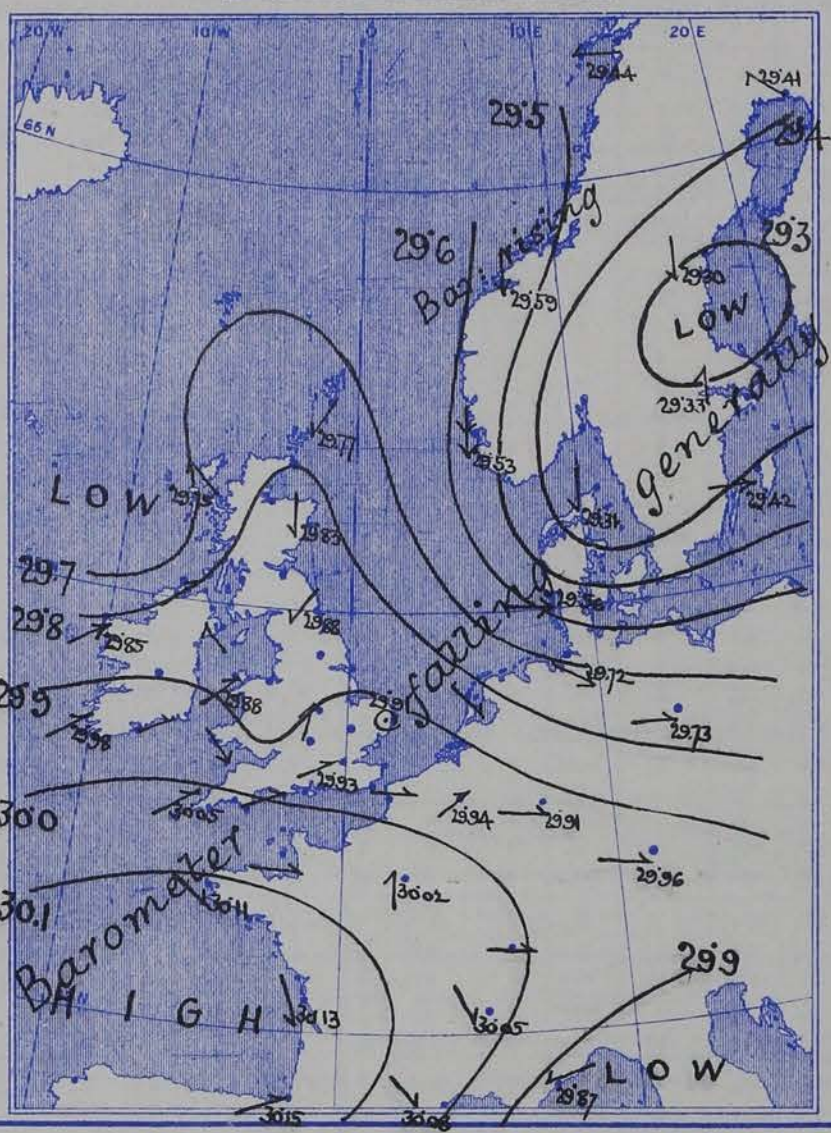
FOR ..... Tuesday, 10th May, ... 1898

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* ⟶ ; }

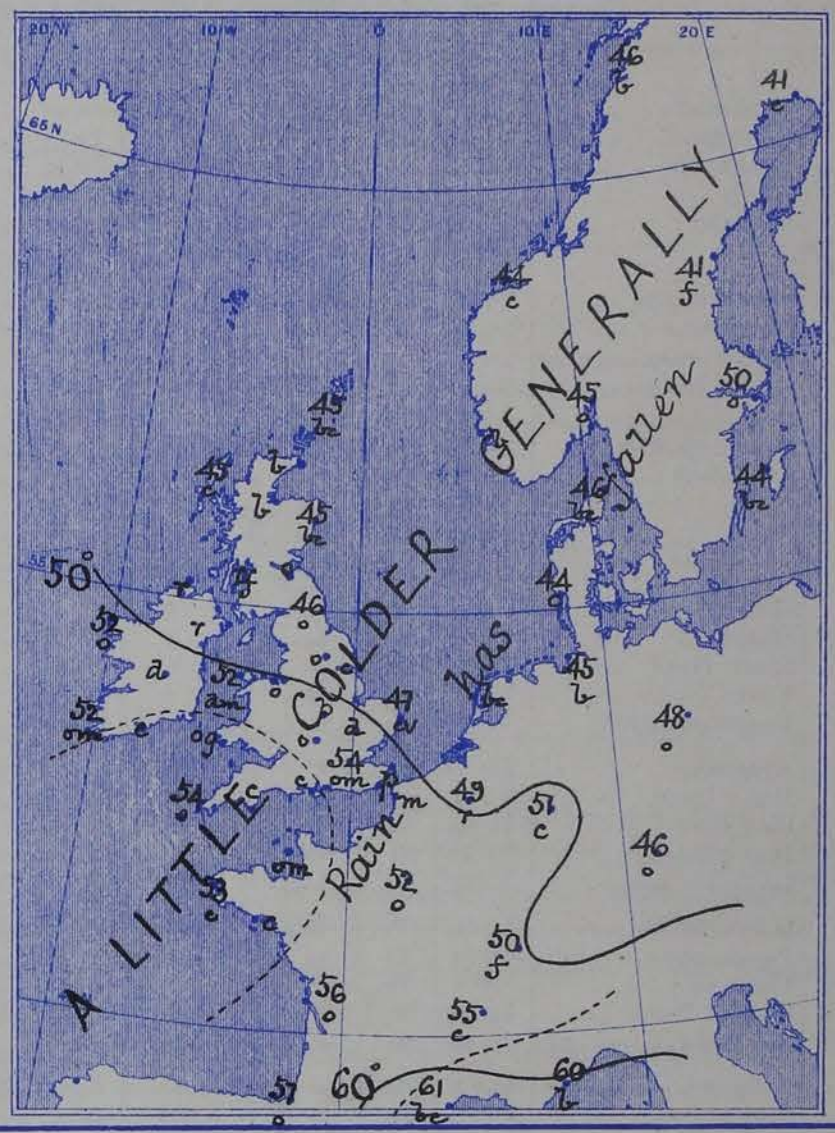
SEA—Rough ▬ ; *High* ▬



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 30.1 ins. and more, to 30.0 ins., over the Bay of Biscay, France, and the extreme SW. of our Islands.
Lowest (1) 29.3 ins. and less, to 29.4 ins. in a depression over Sweden, and (2) below 29.8 ins. in the northwest of our Islands.
Gradients slight and irregular over our Islands generally, but still rather steep for NW. winds over the eastern parts of the North Sea.
Barometer rising in the NW. of Norway, falling very generally elsewhere.

TEMPERATURE

Highest 75° at Lisbon, 61° to 60° in the S. of France, and above 50° over the W^m. and S^m. parts of our Islands generally.
Lowest 41° at Haparanda and Hernösand, 44° at Skudesnaes and Farö, 45° at Stornoway and Aberdeen. The maximum temperatures yesterday exceeded 60° in many places.

WIND

(1) Cyclonic – from E. over Lapland, from N. in Norway, from W. over the south of Denmark and from S. at Stockholm (2) Cyclonic from between SW. and SE. on our northwestern coasts.
(3) Anticyclonic from between W. and N. over the southern parts of our area, and very light in force.

WEATHER

Fine and bright in the S. of France and the W. of Norway, cloudy in most other places, and showery from time to time in many localities.
Showers have been prevalent, but not heavy; our SW^m. coasts, however, have had none. Bright Sunshine recorded yesterday amounted to 9 hrs. at Brighton, 8 hrs. at Eastbourne, and 5 hrs. at Cambridge, but at our W^m. stations there was hardly any.

SEA

Moderate in the far north, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The prevalence of a well marked depression off our NW. coasts, and of a smaller secondary over our west Midlands, at the same time that the barometer is still falling even at our most W^m. stations (indicating the approach of further disturbances from the Atlantic) makes it probable that mild showery changeable weather will continue, especially in the W. and N., with local thunderstorms over England.

FORECASTS

For the 24 hours ending at NOON on 11TH MAY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly. (S^ly. to W^ly.) winds; very changeable showery weather; thunder in places, some bright intervals.	6 SCOTLAND WEST	SW^ly. (S^ly. to W^ly.) winds; very changeable showery weather; thunder in places, some bright intervals.
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 ...	29.63	46	45	NW	6	o	2
Sumburgh Head	29.83	45	40	NW	5	c	5
Stornoway	30.02	47	42	N	4	c	4
Aberdeen	29.96	47	41	NNW	5	cq	4
Shields	29.96	50	48	N	2	o	2
Ardrossan	29.98	57	52	W	4	c	3
Malin Head ...	30.05	49	48	NNW	2	c	2
Belmullet	30.08	54	53	W	3	om	*
Holyhead	30.09	52	50	SW	2	op	1
Valencia	30.16	56	54	WSW	4	o	4
Scilly	30.16	56	54	WNW	3	om	3
Jersey	30.15	58	56	WNW	3	be	3
Hurst Castle ...	30.06	61	58	WSW	3	c	2
Dungeness ...	30.02	60	55	NW	4	c	3
North Foreland	30.03	59	52	WNW	3	bc	2
London (Westminster)	30.05	59	51	WNW	3	c	*
Yarmouth ...	29.98	56	52	WNW	3	c	3
Rochefort ...	30.17	61	59	NW	4	bc	*

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

Weather in morning fine over the N^W. half of Russia on the one hand, and over Italy and the Riviera on the other; fair in some localities over central and W^n. Europe, but not at all settled over Europe as a whole. Rain falling at several stations in France, our Islands, Germany and Scandinavia. Showers reported later in most districts, but amounts of rainfall not large.

Temperature in morning — highest, above 60° over several parts of S^W. Europe; 55° to 50° over France, Ireland and England as a whole, as well as over Germany, the Baltic and W. of Russia. Lowest 36° at Archangel, 42° at Bodö and at Sumburgh Hd., 45° at Stornoway, 46° at Aberdeen. Rising later to 60 and more in some parts of Ireland and England to 64° at Lorient, and 70° at Nice, but falling rapidly in the N. of Scotland at night — Sharp frost at Nairn and Wick.

Wind light to moderate in force. (1) Cyclonic from between SW. and NW. over the N^W. half of Europe, and from E., N. and NW. in the south; (2) Anticyclonic from NW. and N. over Spain, the Bay of Biscay and west of France, and from very various directions over central Europe and the south of Russia. No decided change later beyond a tendency to "back" towards SW. at our western stations.

Barometer highest (1) 30.2 ins. and more to 30.0 ins. in an anticyclonic system spreading in from the Atlantic over France and S. Germany, and (2) 30.0 ins. and more over the Black Sea. Lowest (1) 29.5 ins. and less to 29.6 ins. in a depression over Norway and Sweden, and (2) 29.8 ins. to 29.9 ins. in a large shallow system over Italy, Sicily and the SE^m. parts of the Mediterranean. Rising later over Norway and Scotland, but beginning to fall again in Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 11th May, 1898.

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 ...	29.36	41	SW	0	0	29.26	-.15	44	41	+3	NE	2	0	4	0	*	45	34	-
	Hernösand ...	29.30	38	SW	0	fog	29.15	-.15	37	36	-4	E	4	fog	4	fog	*	48	34	0.08
	Stockholm ...	29.26	44	S	2	0	29.17	-.16	45	43	-5	SW	2	0	4	0	*	52	41	0.16
	Wisby	29.34	42	SSW	4	c	29.30	-.12	44	42	0	WSW	6	b	4	c	*	50	39	-
	Karlstad ...	29.32	45	NNE	4	0	29.20	-.12	42	39	-1	S	2	b	4	0	*	*	*	0.28
	Bodö	29.32	42	E	4	bc	29.21	-.23	44	37	-2	E	4	b	1	bc	*	46	36	-
	Christiansund ...	29.49	41	N	3	r	29.21	-.38	40	37	-4	ESE	2	0	3	r	*	44	36	0.16
	Skudesnaes ...	29.48	43	NNW	4	bc	29.08	-.45	43	42	-1	SE	1	0	2	b.bc	*	48	37	*
	Færder (Christiania Fjord)	29.36	49	WSW	2	0	29.15	-.21	44	40	-1	ENE	4	0	3	0	*	50	41	-
	Skagen (The Scaw)	29.37	45	WSW	1	c	29.18	-.13	43	41	-3	SW	3	0	0	c	*	54	39	-
	Fanö	29.56	43	W	6	c	29.06	-.50	48	48	+4	SW	5	r	*	c	*	48	41	0.35
British Islands	Sumburgh Head	29.54	44	E	2	c	29.03	-.74	44	39	-1	E	4	c	6	c	*	49	38	-
	Stornoway ...	29.27	46	SSE	3	r	28.96	-.79	43	42	-2	E	3	0	3	d.r	1.9	46	34	0.55
	Wick	29.28	46	S	4	0	28.95	-.85	41	40	-6	ESE	7	ru	5	or	*	49	39	0.30
	Nairn	29.34	47	E	2	r	28.85	-.96	42	42	-4	N	0	r	1	r	*	53	35	0.36
	Aberdeen ...	29.45	42	SE	4	ogqr	28.82	-1.01	45	43	0	NW	3	og	3	c.ogqr	7.1	49	37	0.18
	Leith	29.44	51	SSW	2	r	28.83	-1.00	44	43	-4	W	2	om	*	r	*	52	40	0.30
	Shields	29.47	53	S	2	r	28.89	-0.99	48	44	+2	SW	4	c	2	r	*	54	43	0.30
	Spurn Head ...	29.56	53	SW	4	r	29.04	-.85	45	43	-1	W	6	cqp	5	oqp	*	53	45	0.15
	York	29.58	55	S	1	0	29.03	-.86	44	41	-3	W	4	bcq	*	d.q	?	55	42	0.20
	Loughborough ...	29.65	56	SW	3	r	29.17	-.74	45	43	-1	W	4	bcqpu	*	oqp.bc	*	60	45	0.17
	Ardrossan ...	29.42	51	WSW	2	0	28.83	-.98	45	44	-1	W	3	qp	3	r.o	*	51	42	0.38
	Malin Head ...	29.42	49	WSW	6	cmrq	29.00	-.76	44	43	-6	NW	6	oqr	5	c.rqm	*	52	40	0.64
	Belmullet ...	29.55	50	WSW	5	r	29.22	-.63	48	43	-4	NNW	4	0	*	om.r	*	53	40	0.25
	Donaghadee ...	29.51	52	WSW	4	0	28.99	-.84	43	42	-4	W	6	0	4	qp	*	57	39	0.11
	Liverpool (Bidston)	29.59	50	SW	4	r	29.10	-.77	46	41	-6	WSW	8	0	6	r	*	57	40	0.36
	Holyhead ...	29.61	51	SW	3	qf	29.17	-.71	48	45	-4	W	7	cq	6	rmqf	*	56	43	0.32
	Parsonstown ...	29.61	50	W	2	r	29.26	-.63	48	42	-6	W	3	cq	*	or	0.0	56	40	0.23
	Valencia ...	29.71	52	WSW	4	oq	29.39	-.59	49	45	-3	WSW	7	cqp	6	oq	0.0	55	45	0.17
	Roche's Point ..	29.71	54	W	5		29.39	-.58	50	46	-6	W	5	bpq	4	c.r	*	60	45	0.04
	Pembroke (St. Ann's Hd.)	29.70	51	W	5	0	29.32	-.65	48	43	-3	NW	8	b	6	0	0.0	52	42	0.05
	Scilly	29.87	54	SW	4	m	29.52	-.53	51	46	-3	WNW	7	c	4	o.om	0.4	56	45	0.01
	Prawle Point ...	29.84	51	WSW	5	f	29.46	-.56	49	46	-2	WNW	7	bc	6	rf	*	54	46	0.17
	Jersey (St. Aubin's)	29.93	55	W	5	cq	29.55	-.50	49	48	-4	WNW	5	orm	4	c.qf	*	57	48	0.23
	Hurst Castle ...	29.80	52	SW	5	om	29.39	-.56	51	47	-4	WSW	5	c	4	o.om	*	60	50	0.18
	Dungeness ...	29.76	52	WSW	4	0	29.27	-.66	51	51	+1	WSW	7	r	6	oq	*	56	49	0.06
	North Foreland	29.75	57	SW	2	0	29.27	-.67	51	48	-1	WSW	5	0	3	r.o	*	57	48	0.12
	London (Brixton) ...	29.73	59	SW	2	0	29.30	-.63	51	45	-3	W	5	oq	*	oqp	0.0	62	49	0.10
	Oxford	29.66	54	SW	5	0	29.27	-.64	50	45	-5	WSW	4	cq	*	oqp	*	63	48	0.04
	Cambridge ...	29.69	58	SW	3	r	29.21	-.71	50	45	-1	WSW	6	c	*	o.dqp	0.1	61	48	0.15
	Yarmouth ...	29.70	52	SSW	2	o am	29.13	-.78	50	47	+3	WSW	5	cq	4	c.oma	*	53	46	0.35
Germany & Holland	Cuxhaven ...	29.73	47	NNW	6	c	29.18	-.74	47	47	+2	SSW	6	r	*	c.r	*	50	45	0.20
	Berlin	29.71	49	W	4	r	29.38	-.35	47	44	-1	SW	3	0	*	bc	*	55	37	0.04
	Wiesbaden ...	*	*	*	*	*	29.60	-.31	52	50	+1	SW	2	r	*	*	*	53	46	0.24
	Munich	29.92	48	W	4	r	29.78	-.18	52	49	+6	W	6	0	*	r	*	54	46	0.20
	The Helder ...	29.72	47	SW	2	r	29.14	-.73	50	50	+3	SW	6	r	3	r	*	52	46	0.75
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	?	52	W	4	m	?	?	52	51	0	WSW	6	r	6	m	*	54	48	0.16
	Paris	29.93	57	W	2	0	29.63	-.39	54	52	+2	SSW	4	0	*	0	*	62	52	0.04
	Brest	29.99	54	WSW	2	c	29.64	-.47	54	51	+1	WSW	5	r	4	0	*	55	50	0.12
	Lorient	30.02	55	W	4	c	29.67	-.46	53	53	-1	WSW	6	r	7	c	*	64	45	0.04
France &	Rochefort ...	30.09	57	NW	4	0	29.84	-.29	56	54	0	WSW	6	0	*	bc.o	*	62	52	-
	Belfort	29.93	54	WSW	3	0	29.78	-.21	50	48	0	SW	5	0	*	0	*	59	48	-
	Lyons	30.02	58	W	1	0	29.87	-.18	53	?	-2	E	1	bc	*	0	*	64	52	-
	Nice	29.82	61	SW	1	bc	29.82	-.05	58	55	-2	N	0	bc	2	bc	*	72	52	-
	Perpignan ...	30.00	68	NW	3	b	29.95	-.13	60	54	-1	NW	2	b	*	b	*	72	52	-
	Biarritz ...	30.10	59	NW	3	0	29.98	-.17	56	52	-1	S	3	c	2	0	*	63	54	-
Peninsula.	Corunna ...																*			
	Lisbon	30.08	59	N	4	b	30.05	-.02	60	55	-15	NNW	5	b	*	b	*	79	57	-
	Azores (P. Delgada)	30.22	61	NE	4	b	30.21	-.01	61	58	-2	NE	4	c	2	b	*	68	59	-

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

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

Bright Sunshine yesterday Southport 0·0 hrs;

WEATHER CHARTS

FOR Wednesday 11th May, 1898

BAROMETER, WIND AND SEA.

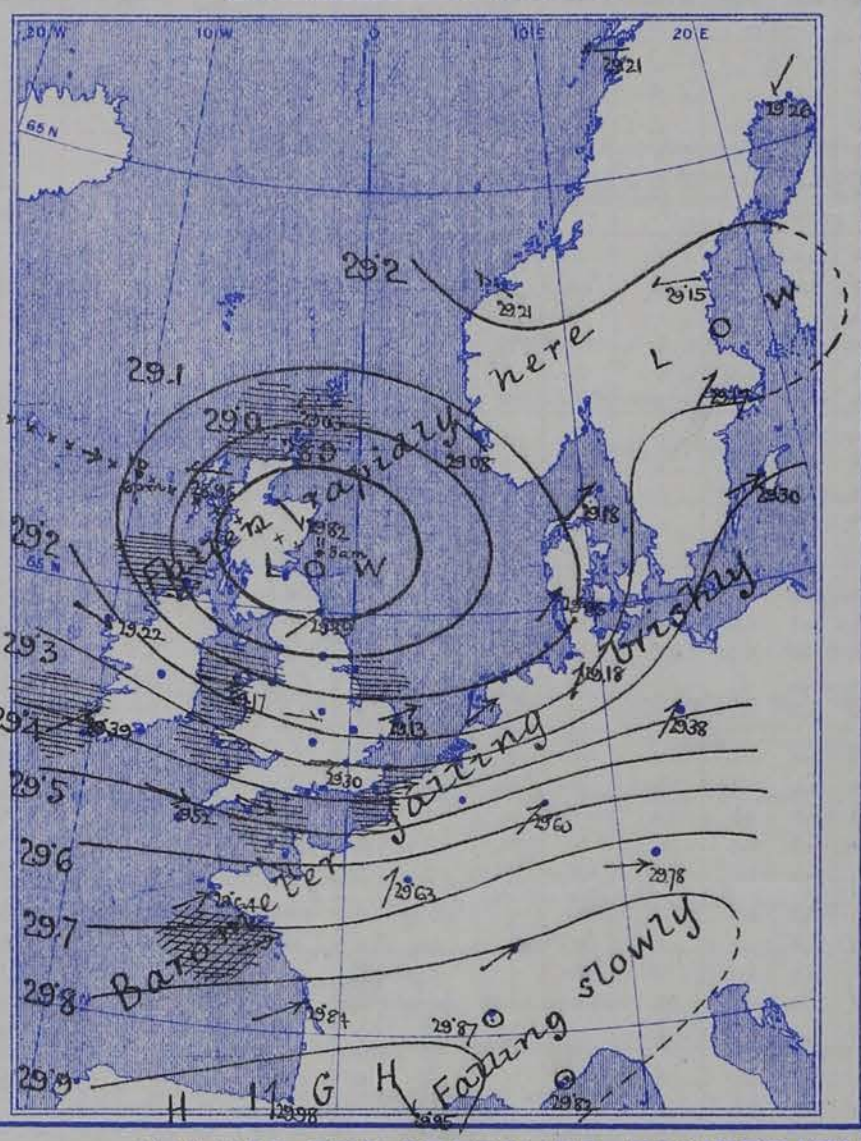
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▦

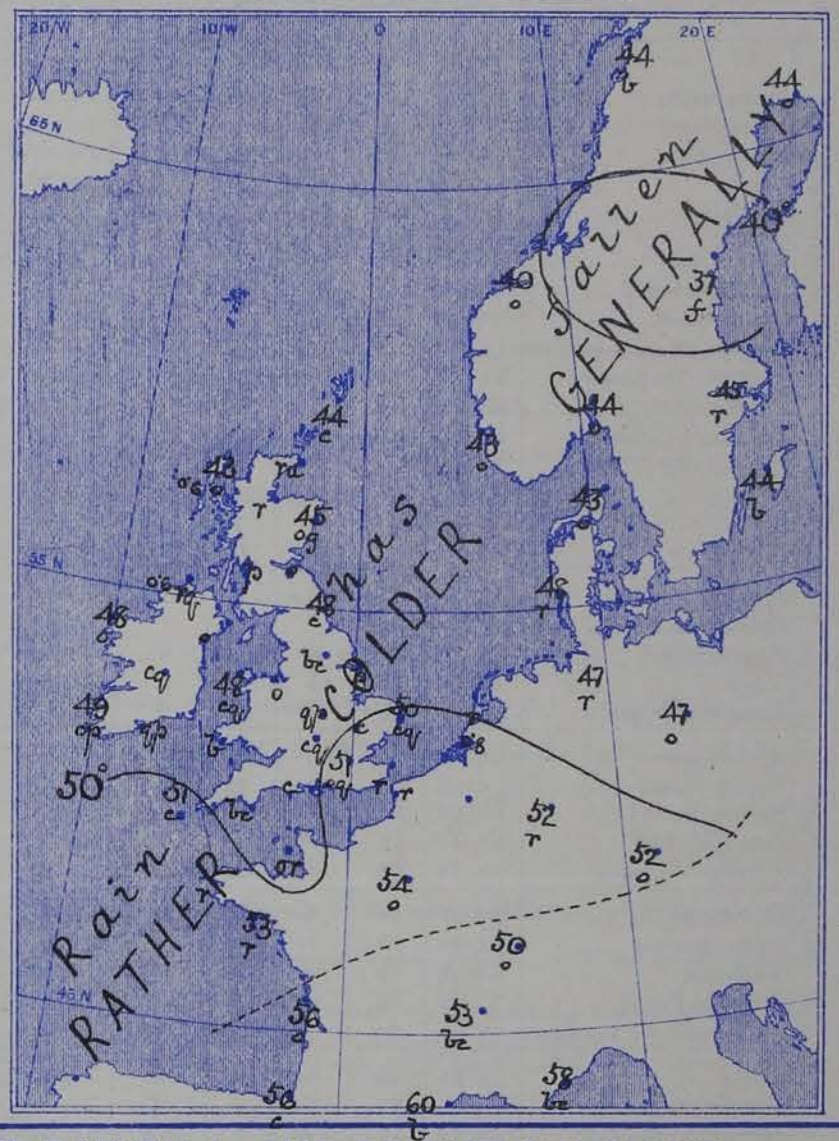


TEMPERATURE & WEATHER.

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, 29·9 ins: and more to 29·8 ins: over the northern parts of Spain and the southern parts of the Bay of Biscay and France.
Lowest, Below 28·9 ins: over the greater part of Scotland, and below 29·2 ins: over the east of Sweden.
Gradients rather steep over Ireland and England.
Barometer still falling except in the south of England, the fall has been rapid over Scotland, but is decreasing.

TEMPERATURE

Highest, 60° to 56° over the southwest and south of France, 51° to 49° over the south of England.
Lowest, 37° at Hernösand, 41° to 45° at the Scotch stations.
The maxima recorded over the midland and southern parts of England yesterday ranged from 63° to 60°.

WIND

Very strong and squally from the W.ward over the greater part of Ireland, England, and the north of France, but very strong from E. at Weik, moderate and variable over Scotland as a whole.
It has been strong to a gale in force on some parts of our coasts during the night.

WEATHER

Squally and changeable in most places – very rainy over Scotland.
Rain has fallen at almost all our stations; over the northeastern and northern districts, as well as at the Helder and Yarmouth, the fall has been considerable. Bright Sunshine recorded yesterday was 7·1 hrs: at Aberdeen; at all our other stations it was very slight, at many of them there was none.

SEA

Rough or rather so in most regions.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression is now moving away to the eastsoutheastward; the barometer, however, is not rising in its rear, and very changeable weather is still probable.

FORECASTS

For the 24 hours ending at NOON on 12TH MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. to N. winds, moderating; squally and showery to fair.
1	SCOTLAND EAST	W. to NW. winds, moderating; some showers, bright intervals.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W. winds, strong to moderate; passing showers, very bright intervals.
6	SCOTLAND WEST	NW. and Varying winds; squally to fair, but very changeable weather.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.55	48	47	N	8	b	2
Sumburgh Head	29.59	46	42	NE	2	b	4
Stornoway	29.52	44	43	S	3	r	3
Aberdeen	29.65	44	40	SW	4	oqrq	3
Shields	29.70	45	44	SE	3	r	2
Ardrossan	29.59	49	49	SE	2	r	2
Malin Head ...	29.57	50	50	WSW	5	c	3
Belmullet	29.73	51	50	W	4	om	*
Holyhead	29.74	51	51	SW	3	qmr	2
Valencia	29.86	54	53	WSW	5	oq	5
Scilly	29.97	55	53	WSW	4	of	3
Jersey	30.01	56	54	W	5	o	4
Hurst Castle ...	29.90	58	54	WSW	3	o	3
Dungeness ...	29.84	53	52	WSW	3	oq	2
North Foreland	29.85	52	51	S	3	r	2
London (Westminster)	29.83	61	55	SW	3	o	*
Yarmouth ...	29.81	50	48	SSW	3	c	3
Rochefort ...	30.13	62	58	NW	4	be	*

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

Weather in morning fine and bright at many of the Mediterranean stations and at Lisbon, also in the west of Norway and over Scotland, but not at all settled either over Continental Europe or over our Islands. Rain falling later all over the British Isles, and in many parts of France, Germany and northern Europe, and weather becoming very squally over the British Islands at night.

Temperature risen over Central Europe and Russia. Morning readings highest 68° at Barcelona and Algiers, and above 60° at many of the Mediterranean stations; 56° at Rochefort and at Vienna, 55° to 50° over the southern half of our Islands, 51° at Moscow. Lowest 41° at Haparanda, 45° at several of the Scotch stations, 46° at Shields and Spurn Head. Rising later to between 60° and 63° over many parts of England, and to between 55° and 60° over Ireland; touching 62° at Paris, 72° at Nice and Perpignan.

Wind Light and anticyclonic from between NW. and N. over southwestern Europe; and from SE. over Hungary and the south of Russia. Cyclonic over northern Europe — moderate to strong in force, and becoming as from between SW. and SE, moderate, on our own west and northwest coasts. Blowing a very strong squally breeze later — from the W.ward over Ireland, England, and the west and nath of France, and from E. over Caithness.

Barometer highest 30·1 in: and more to 29·9 in: over Spain, France, and the southern half of our Islands, and exceeding 29·9 in: in the southeast of Russia also. Lowest 29·3 in: and less, to 29·4 in: in a depression over Sweden, and below 29·7 in: off our extreme northwest coasts. A very local V shaped disturbance over north Wales and part of the northwest of England. A new and well-marked depression approaching Scotland later from the westnorthwestward, and causing a rapid fall of the barometer in that country.

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 12th May 1898.

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 ...	29.24	36	NE	0	0	29.21	−.05	40	40	−4	SE	2	r	#	0	#	45	32	0.24
	Hernösand ...	29.09	35	NE	0	f	28.95	−.20	37	37	0	S	6	f	#	f	#	39	32	0.28
	Stockholm ...	28.97	43	SW	4	r	28.90	−.27	45	43	0	S	8	o	#	r	#	52	39	0.28
	Wisby	29.04	48	S	11	r	29.06	−.24	47	44	+3	SW	11	bc	#	r	#	48	39	0.32
	Karlstad ...	28.76	43	SSE	6	r	28.68	−.52	42	41	0	SSW	4	o	#	r	#	#	#	0.43
	Bodö	29.06	42	NE	0	0	28.96	−.25	44	38	0	ESE	5	b	1	0	#	48	37	0.16
	Christiansund ...	28.91	44	ENE	2	b	28.38	−.83	44	41	+4	ENE	3	c	4	b	#	45	39	—
	Skudesnaes ...	28.71	46	NE	0	0	28.83	−.25	42	41	−1	NW	7	c	4	0	#	46	37	#
	Færder (Christiania Fjord)	28.68	38	ENE	6	r	28.66	−.49	43	41	−1	WSW	6	bc	4	r	#	45	37	0.83
	Skagen (The Scaw)	28.79	44	SW	4	bc	28.82	−.36	45	43	+2	W	7	bc	2	bc	#	48	39	0.24
	Fanö	28.67	44	SW	9	r	29.08	+.02	45	41	−3	W	7	bc	#	r	#	50	41	0.32
	Sumburgh Head	28.99	41	N	4	bc	28.96	−.07	42	41	−2	N	3	s	5	c,bc	#	47	35	0.10
	Stornoway ...	29.18	44	E	5	c	29.35	+.39	40	38	−3	N	5	ohp	5	c,p	4.9	47	33	0.15
	Wick	29.08	43	N	7	c	29.17	+.22	40	39	−1	N	6	ohpw	5	c	#	47	32	0.15
	Nairn	29.10	42	NNE	4	c	29.28	+.43	40	38	−2	WNW	2	c	2	c	#	47	35	0.15
	Aberdeen ...	29.02	41	NNW	5	bcpq	29.21	+.39	42	39	−3	NW	6	bcq	4	rpq,bp,sh	2.9	48	35	0.45
	Leith	29.06	43	NNE	3	0	29.29	+.46	49	42	+5	NW	3	bc	#	0	#	49	36	0.12
	Shields	29.01	44	NW	4	cp	29.27	+.38	43	39	−5	NNW	3	c	3	op,cp	#	50	34	0.03
	Spurn Head ...	29.02	49	W	6	c	29.25	+.21	45	41	0	NNW	4	cqp	3	c	#	51	42	0.01
	York	29.04	49	W	3	bc	29.29	+.26	44	40	0	N	2	b	#	q,bc	5.2	50	38	0.07
	Loughborough ...	29.15	48	WSW	3	0	29.30	+.13	45	42	0	NNE	2	omw	#	cpq,om	#	51	41	0.07
British Islands.	Ardrossan ...	29.05	48	NNE	3	p	29.34	+.51	46	43	+1	NW	4	b	3	op	#	51	38	0.01
	Malin Head ...	29.11	46	NNW	5	cq	29.42	+.42	42	42	−2	NNW	5	cq	3	c	#	48	38	0.04
	Belmullet ...	29.22	49	N	3	bc	29.60	+.38	44	42	−4	NNW	4	o	#	c,bc	#	51	40	0.04
	Donaghadee ...	29.11	52	NW	6	b	29.40	+.41	47	43	+4	NW	6	b	4	b	#	56	41	0.09
	Liverpool (Bidston)	29.11	49	WSW	3	bc	29.34	+.24	47	41	+1	NNE	2	b	2	p,bc	#	53	41	0.02
	Holyhead ...	29.13	47	WSW	3	opd	29.39	+.22	45	42	−3	N	3	c	2	cq,cm,pd	#	53	42	0.02
	Parsonstown ...	29.14	47	NW	1	r	29.53	+.27	46	43	−2	W	1	bp	#	or	2.9	50	38	0.32
	Valencia ...	29.18	49	WNW	4	cp	29.63	+.24	49	43	0	N	6	bchq	6	opq	2.5	51	44	0.17
	Roche's Point ...	29.17	48	WNW	4	bc	29.55	+.16	48	44	−2	N	5	bc	4	rq,bc	#	54	43	0.20
	Pembroke (St. Ann's Hd.)	29.16	47	W	7	r	29.39	+.07	48	44	0	NNE	5	bcpq	5	b,r	9.1	50	40	0.17
	Scilly	29.32	49	WSW	7	cqv	29.41	−.11	49	46	−2	NNW	7	c	5	bc,cq	9.2	54	45	0.57
	Prawle Point ...	29.31	49	W	7	cq	29.31	−.15	51	48	+2	NNW	4	c	3	cq	#	53	41	0.05
	Jersey (St. Aubin's)	29.45	53	WSW	6	bcp	29.27	−.28	50	47	+1	S	4	bcm	3	cp,bc	#	55	45	0.36
	Hurst Castle ...	29.31	56	WSW	6	cm	29.24	−.15	50	48	−1	WNW	3	c	2	cp,cm	#	57	47	0.05
	Dungeness ...	29.25	51	WSW	8	b	29.24	−.03	45	45	−6	SSW	3	r	3	bc,b	#	56	44	0.18
	North Foreland	29.24	54	SW	6	bc	29.23	−.04	47	46	−4	SW	2	p	2	bc	#	58	43	0.07
	London (Brixton) ...	29.22	54	WSW	4	c	29.23	−.07	48	45	−3	NW	1	o	#	bc,op	8.2	58	45	—
	Oxford	29.20	48	SW	3	0	29.28	+.01	44	43	−6	N	2	r	#	o,c	#	55	43	0.07
	Cambridge ...	29.17	54	SW	6	bq	29.26	+.05	45	44	−5	N	2	dg	#	bq	10.9	58	43	0.20
	Yarmouth ...	29.11	54	W	6	bcq	29.25	+.12	45	44	−5	NNW	2	org	4	p,bcq	#	55	43	0.12
Germany & Holland.	Cuxhaven ...	29.07	49	WSW	6	bc	29.18	.00	47	47	0	SW	4	opq	#	bc,r	#	52	45	0.35
	Berlin	29.27	51	SW	3	r	29.36	−.02	51	47	+4	SW	4	bc	#	r	#	55	47	0.24
	Wiesbaden ...	#	#	#	#	#	29.44	−.16	48	46	−4	SW	1	o	#	#	#	56	45	0.32
	Munich	29.55	56	SW	2	0	29.59	−.19	43	43	−9	W	3	r	#	0	#	63	43	0.47
	The Helder ...	29.08	51	SW	6	c	29.22	+.08	46	43	−4	WNW	1	o	3	c	#	54	46	0.20
Belgium.	Brussels ...	#	#	#	#	#	29.33		48	45		SSW	2	o	#	b	#	55	41	0.24
	Cape Gris Nez ...	?	51	W	5	b	?	?	50	47	−2	WSW	6	r	6	b	#	54	45	0.28
	Paris	29.47	48	SW	2	c	29.39	−.24	49	47	−5	S	3	c	#	c	#	55	42	0.35
	Brest	29.52	53	W	5	c	29.33	−.31	47	45	−7	NNW	5	o	4	c	#	54	43	0.04
	Lorient	29.55	52	W	6	c	29.33	−.34	48	45	−5	WNW	6	r	7	c	#	55	45	0.32
France &	Rochefort ...	29.63	53	WNW	6	r	29.51	−.33	53	50	−3	WNW	6	c	#	r	#	59	48	0.28
	Belfort ...	29.52	54	SSW	5	r	29.54	−.24	40	39	−10	SW	5	r	#	r	#	60	39	0.83
	Lyons	29.66	64	WSW	2	0	29.57	−.30	47	46	−6	SE	1	r	#	0	#	72	46	0.39
	Nice	29.74	60	SE	3	0	29.67	−.25	52	51	−6	E	1	r	3	0	#	66	50	0.04
	Perpignan ...	29.77	48	NE	2	c	29.56	−.39	60	56	0	W	2	0	#	c	#	71	57	—
	Biarritz ...	29.82	59	WSW	4	0	29.68	−.30	55	51	−1	W	7	r	5	0	#	63	50	0.28
Peninsula.	Corunna ...																#			
	Lisbon	30.06	57	NNW	5	0	30.06	+.01	58	54	−2	NNW	5	c	#	0	#	66	57	—
	Azores (P. Delgada)	30.23	60	NE	3	c	30.21	.00	61	56	0	E	1	0	2	c	#	66	59	—

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

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

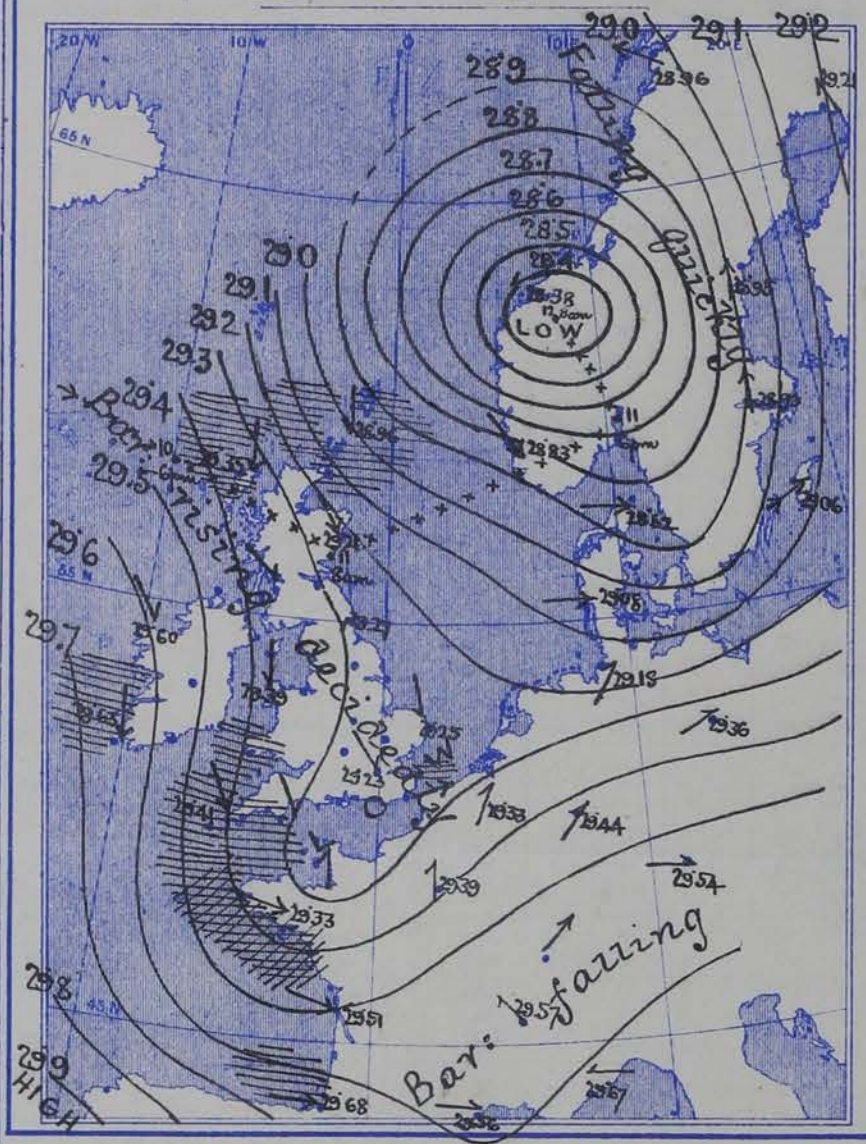
Bright Sunshine yesterday Southport 9.4hrs;

WEATHER CHARTS

FOR Thursday 12th May, 1898

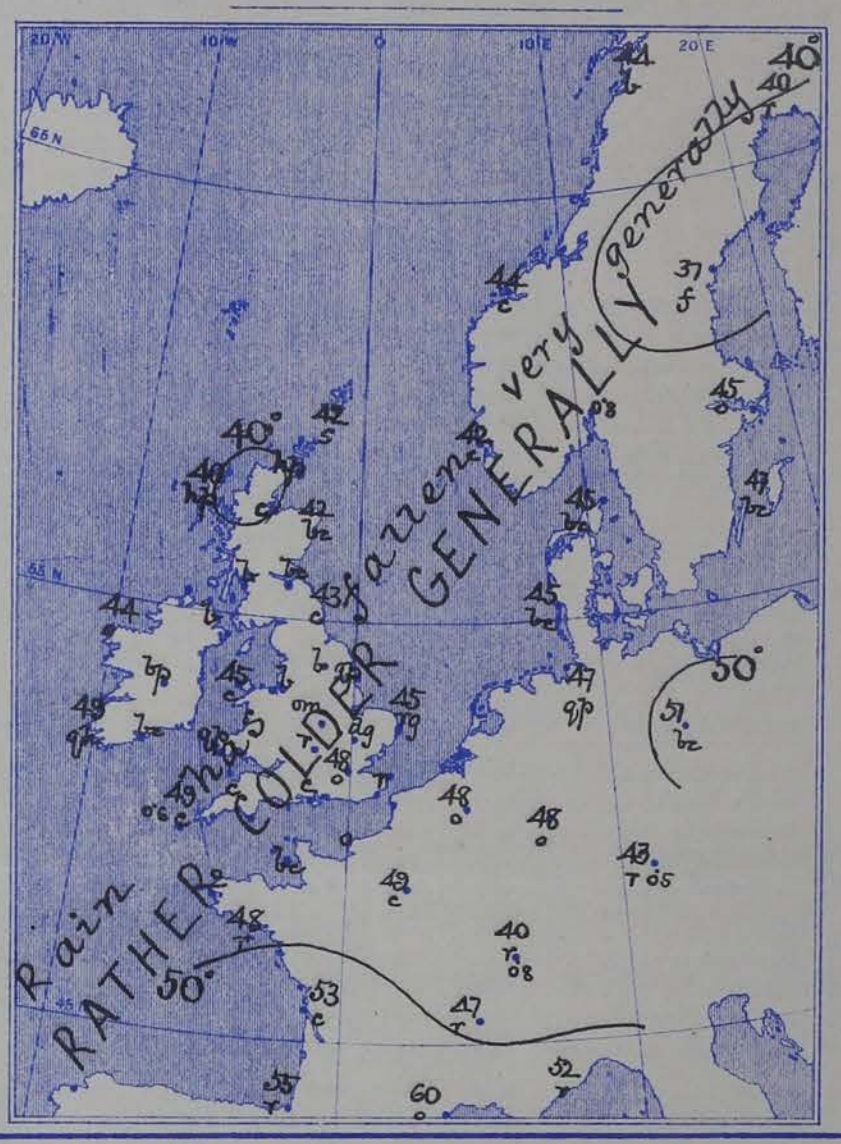
BAROMETER, WIND AND SEA.

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 29.6 ins. and more over the S.ern parts of France and the W.-parts of Ireland, and apparently much higher over the neighbouring parts of the Atlantic.
Lowest below 28.4 ins. in a depression over Norway, and below 29.3 ins. in a "V" shaped secondary lying over the English Channel, and moving southeastwards.
Gradients very steep over the W. of Norway, and between that region and the Shetland Islands, moderate elsewhere. Barometer rising decidedly at our W.n stations and the rise was spreading over England

TEMPERATURE — Highest 55° to 53° in the SW. of France, 51° at Berlin, and as Prawle Pt. 49° at Valencia, 48° in London.
Lowest 40° in the N. of Scotland, 42° at Aberdeen, 43° at Shields.
It was falling rather decidedly over our Islands generally. The thermometer failed to reach 60° at any of our own stations yesterday; frost occurred in Scotland early this morning.

WIND — N.ly to NW.ly over Gt. Britain and Ireland, and was blowing very strongly on the north and east coasts of Scotland, and a fresh to moderate breeze elsewhere. In the Channel the wind was W.ly to SW.ly, fresh to moderate in force.
A gale from WSW. has been felt at our southern stations, and from NE. in some parts of Scotland.

WEATHER — Still very changeable, with squalls and showers in many places; sleet and hail have fallen in the east of Scotland, rain in all our other districts and in France, but not in large quantities, 0.8 in. of rain has fallen at Belfort, and nearly an inch at Munich.
Bright Sunshine recorded yesterday amounted to 11 hrs. at Cambridge, 9 hrs. on the SW. coast of England, and more than 8 hrs. in London; elsewhere it was slighter and in Ireland there were less than 3 hrs.

SEA — Rather rough in the N. and W., slight in the S.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

(1) The depression noticed in the NE. yesterday has reached Norway and grown deeper. (2) The "V" shaped secondary in the S. is moving SE.wds, N.ly and NW.ly breezes are probable over our Islands, with colder weather and passing showers. Under the influence of the N.rn depression they will probably blow very strongly in the E. and N. of Scotland. A sharp night is probable, especially over our inland districts.

FORECASTS

For the 24 hours ending at NOON on 13TH MAY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	NW.ly gales and strong winds, cold showers, very cold tonight.	6 SCOTLAND WEST	NW.ly and N.ly breezes, very fresh at times, and showery, cold tonight
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	NW.ly and N.ly breezes, very fresh at times, and showery, cold tonight.	8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The North Cone was hoisted in Scotland yesterday, the South Cone elsewhere, the latter has been lowered this morning.

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 ...	28·91	46	44	SE.	1	o	1
Sumburgh Head	28·98	46	42	ENE.	4	c	6
Stornoway	29·09	47	43	E.	5	c	5
Aberdeen	28·92	41	40	NNE.	7	orgq	6
Shields	28·86	45	45	W	5	op	2
Ardrossan	28·96	48	47	WNW	6	op	3
Malin Head ...	29·07	48	46	NNW	5	c	4
Belmullet	29·17	51	49	NW	2	bc	*
Holyhead	29·15	51	47	W	6	cm	5
Valencia	29·24	50	46	W	8	opq	7
Scilly	29·43	53	49	WSW	7	c	4
Jersey	29·49	55	50	WSW	6	c	4
Hurst Castle ...	29·41	54	50	WSW	5	cp	4
Dungeness ...	29·26	55	52	WSW	8	bc	7
North Foreland	29·19	56	46	WSW	7	bc	5
London (Westminster)	29·25	59	57	WSW	6	bc	*
Yarmouth ...	29·11	54	47	WSW	6	bcq	4
Rochefort ...	29·65	59	56	WSW	8	o	*

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

Weather in morning changeable and unsettled over N^W^. W^n^ and central Europe, as well as over the N^n^. parts of the Mediterranean, with squally showery conditions in many places; fine over S^W^. Europe and the S^n^. half of the Mediterranean. Rain falling later over central, W^n^ and NW^n^ Europe very generally, sleet and hail in the E. of Scotland, but much bright sunshine recorded over the E. of England.

Temperature fallen somewhat over the British Islands and several parts of Continental Europe. Morning readings highest 71° at Algiers, 68° at Barcelona, and above 60° at many stations in the Mediterranean and Adriatic; 56° to 54° in the W. of France, 54° at Paris, 51° to 49° over the S^n^. counties of England. Lowest 41° at Wick, 42° at Nairn, 44° at Leith and York, and also at the stations in Lapland. Failing to reach 60° over our Islands yesterday, but touching 63° at Munich and at Biarritz.

Wind Cyclonic and very strong and squally over our Islands — W^ly^ over the southern half of the Kingdom, and NE^ly^ in the north. SW^ly^, moderate to fresh, over Germany, E^ly^ moderate to light, over the northern half of Scandinavia. Very variable, moderate to light, over southern Europe and the Mediterranean, but cyclonic in direction at the stations in the southeast of France, Corsica and NW of Italy.

Barometer Highest 30.0 ins. to 29.9 ins. over the Iberian peninsula and the southern parts of the Mediterranean. Lowest below 28.9 ins. in a well-marked depression over Scotland and below 29.2 ins. in another over Sweden. Below 29.8 ins. in a third (shallow) disturbance over the Gulf of Genoa and SE. of France. The Scotch depression moving E^wds^. and NE^wds^. later, and a "V" shaped secondary forming over Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday 13th May, 1898.

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 ...	29.15	39	S	4	r	29.37	+.16	40	37	0	S	6	b	*	r	*	41	34	0.51
	Hernösand ...	29.02	39	S	6	bc	29.34	+.39	38	36	+ 1	S	6	b	*	bc	*	43	32	0.08
	Stockholm ...	29.19	44	S	4	b	29.44	+.54	47	45	+ 2	SE	2	o	*	b	*	55	39	0.04
	Wisby	29.38	46	SSW	4	b	29.45	+.39	45	45	− 2	SSE	4	o	*	b	*	50	37	0.04
	Karlstad ...	29.18	42	SSW	6	b	29.38	+.70	43	40	+ 1	SW	4	b	*	b	*	*	*	—
	Bodö	28.89	46	ESE	4	c	29.05	+.09	45	41	+ 1	Z	0	c	0	c	*	50	37	0.04
	Christiansund ...	28.92	45	ENE	2	b	29.06	+.29	43	40	− 1	WSW	6	r	4	b	*	48	41	—
	Skudesnaes ...	29.10	43	WSW	2	c	29.26	+.43	43	42	+ 1	W	2	c	3	c	*	48	37	*
	Færder (Christiania Fjord)	29.08	45	SW	6	b	29.31	+.65	44	41	+ 1	SW	4	c	3	b	*	48	39	—
	Skagen (The Scaw)	29.23	43	WSW	2	b	29.37	+.55	44	41	− 1	SSW	2	c	0	b	*	50	39	—
	Fanc	29.30	43	WSW	4	b	29.40	+.32	45	41	0	WSW	4	b	*	b	*	52	41	—
British Islands.	Sumburgh Head	29.16	39	NNW	4	r	29.34	+.38	38	37	− 4	NNW	3	c	5	c,r	*	46	35	0.30
	Stornoway ...	29.44	41	N	6	c	29.49	+.14	37	36	− 3	N	2	c	2	hp,c	7.1	43	33	0.30
	Wick	29.30	45	N	5	bc	29.43	+.26	43	41	+ 3	N	4	bc	4	hp,bc	*	47	37	0.05
	Nairn	29.39	42	NW	4	c	29.49	+.21	42	39	+ 2	W	2	bc	1	rshp,c	*	47	35	0.12
	Aberdeen ...	29.34	44	NW	5	bc	29.49	+.28	43	38	+ 1	W	3	c	2	rshp,bc	9.2	47	36	0.21
	Leith	29.39	46	WNW	2	o	29.52	+.23	50	43	+ 1	WSW	3	bc	*	hp,o	*	56	36	0.01
	Shields	29.39	47	NW	1	ogw	29.55	+.28	44	40	+ 1	W	3	bc	3	shrp,ogw	*	49	36	0.03
	Spurn Head ...	29.42	42	NW	3	opl	29.58	+.33	43	40	− 2	WNW	4	c	4	pq,ol	*	48	38	0.16
	York	29.41	46	WSW	2	ct	29.59	+.30	42	38	− 2	WNW	1	b	*	c,pt	9.2	51	34	0.10
	Loughborough ...	29.46	45	NNW	3	c	29.66	+.36	45	42	0	WNW	3	c	*	cpq,bc	*	53	36	0.01
	Ardrossan ...	29.45	46	NW	3	bchp	29.55	+.21	45	43	− 1	WSW	3	chp	3	chp	*	50	37	0.03
	Malin Head ...	29.54	44	NNW	6	cq	29.56	+.14	47	47	+ 5	SSE	1	b	0	cq	*	47	39	0.03
	Belmullet ...	29.77	46	NW	4	op	29.63	+.03	46	44	+ ¾	NW	5	o	*	bc,op	*	48	39	0.10
	Donaghadee ...	29.54	48	NNW	6	b	29.60	+.20	47	43	0	WNW	4	b	2	b	*	52	36	—
	Liverpool (Bidston)	29.48	47	WNW	5	b	29.64	+.30	43	39	− 4	WSW	3	o	4	b	*	50	38	0.04
	Holyhead ...	29.54	45	NW	3	bchp	29.64	+.25	48	45	+ 3	W	2	cp	1	c,bchp	*	49	41	0.02
	Parsonstown ...	29.65	46	N	1	bc	29.68	+.15	47	44	+ 1	W	1	c	*	bc,p	9.3	52	38	0.04
	Valencia ...	29.77	49	NNW	6	c	29.70	+.07	48	45	− 1	W	4	cp	4	bcpq,c	9.3	51	43	0.12
	Roche's Point ...	29.67	50	NNW	5	b	29.71	+.16	50	46	+ 2	WNW	4	bc	3	hp,b	*	53	44	0.06
	Pembroke (St. Ann's Hd.)	29.62	45	N	2	b	29.69	+.30	47	45	− 1	WNW	5	bcp	4	b	8.9	50	43	0.17
	Scilly	29.67	52	WNW	5	cp	29.78	+.37	47	45	− 2	W	5	cp	4	c,cp	12.2	53	44	0.15
	Prawle Point ...	29.59	53	WNW	4	c	29.78	+.47	47	45	− 4	W	4	cpw	3	c	*	57	39	0.01
	Jersey (St. Aubin's)	29.55	54	NW	5	bcp	29.80	+.53	52	47	+ 2	NW	5	bc	4	bp,bcp,chp	*	55	46	0.07
	Hurst Castle ...	29.49	50	WNW	3	cp	29.74	+.50	49	44	− 1	W	3	bc	2	cp	*	55	48	—
	Dungeness ...	29.42	47	NE	3	bct	29.68	+.44	50	46	+ 5	WNW	3	b	2	rq,bct,thr	*	50	35	0.15
	North Foreland	29.43	45	N	3	c	29.67	+.44	46	43	− 1	W	4	b	3	cp,c	*	49	39	0.18
	London (Brixton) ...	29.46	46	NW	4	cp	29.70	+.47	47	42	− 1	NW	1	bc	*	cp,b	1.0	54	34	0.14
	Oxford	29.53	44	NW	2	b	29.70	+.42	46	41	+ 2	W	2	bc	*	cp,b	*	55	34	0.02
	Cambridge ...	29.47	44	N	2	o	29.67	+.41	46	43	+ 1	W	3	b	*	c,op	3.1	54	34	0.09
	Yarmouth ...	29.39	48	N	3	b	29.59	+.34	45	42	0	WNW	3	bc	3	bc,b	*	50	35	—
Germany & Holland.	Cuxhaven ...	29.30	46	Z	0	o	29.48	+.30	45	45	− 2	W	2	c	*	o	*	50	43	0.12
	Berlin	29.39	53	SSW	2	c	29.45	+.09	51	48	0	WSW	3	o	*	c	*	59	45	—
	Wiesbaden ...	*	*	*	*	*	29.64	+.20	46	42	− 2	NW	3	c	*	*	*	54	45	0.08
	Munich... ..	29.51	43	SW	4	r	29.66	+.07	44	42	+ 1	W	5	o	*	r	*	48	39	0.83
	The Helder ...	29.35	46	NNW	2	bc	29.56	+.34	48	43	+ 2	WNW	2	bc	2	bc	*	48	45	—
Belgium.	Brussels ...	*	*	*	*	*	29.69	+.36	45	43	− 3	SW	3	bc	*	c	*	55	37	0.16
	Cape Gris Nez...	?	48	NE	3	o	?	?	45	40	− 5	NW	4	b	4	o	*	50	41	0.12
	Paris	29.41	48	NW	2	o	29.78	+.39	47	44	− 2	WSW	2	bc	*	o	*	58	39	0.43
	Brest	29.69	50	NNW	4	c	29.85	+.52	48	45	+ 1	NW	3	c	3	c	*	52	43	0.08
	Lorient.... ...	29.65	55	NW	6	c	29.84	+.51	49	45	+ 1	NW	4	bc	5	c	*	57	45	0.04
France &	Rochefort ...	29.60	55	NW	6	c	29.84	+.33	49	47	− 4	WNW	3	r	*	c	*	59	46	0.04
	Belfort	29.47	45	SW	4	o	29.71	+.17	40	40	0	W	5	r	*	o	*	49	40	0.12
	Lyons	29.59	46	S	1	bc	29.84	+.27	47	44	0	NW	2	bc	*	bc,b	*	50	42	0.28
	Nice	29.39	56	WSW	5	c	29.59	−.08	56	45	+ 4	NW	3	b	3	c	*	57	46	0.08
	Perpignan ...	29.64	59	NW	4	b	29.93	+.37	53	46	− 7	NW	4	b	*	b	*	61	49	0.04
	Biarritz ...	29.76	57	WNW	7	bc	29.96	+.28	53	50	− 2	W	3	bc	5	bc	*	57	46	0.43
Penin-sula.	Corunna ...																*			
	Lisbon	30.13	56	NNE	3	b	30.17	+.11	56	50	− 2	N	4	bc	*	b	*	63	52	—
	Azores (P. Delgada)	30.21	61	NE	4	o	30.15	−.06	61	58	0	ESE	1	o	2	o	*	66	59	—

Erratum. In yesterday's report the 8 am Barometer reading at Christiansund should have been 28.77 in: not 28.38 in: as originally received.

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 14.1 hrs;

WEATHER CHARTS

FOR Friday, 13th May, 1898

BAROMETER, WIND AND SEA.

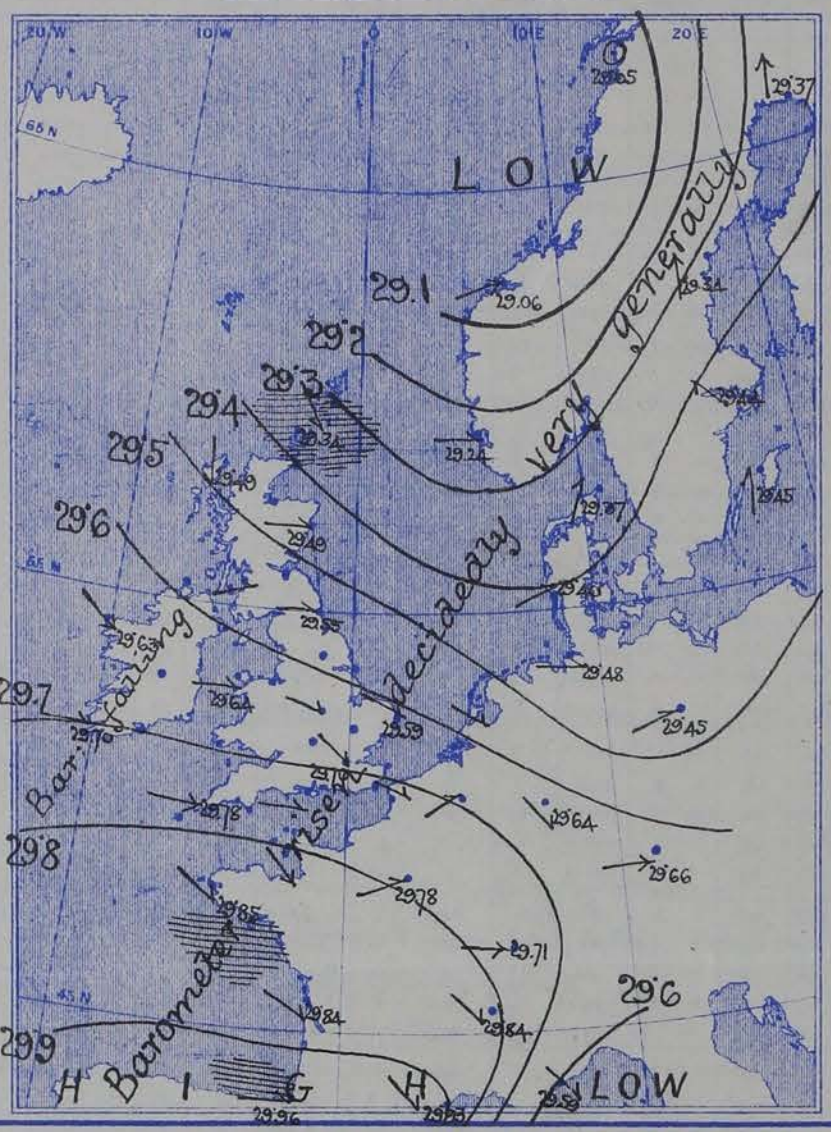
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

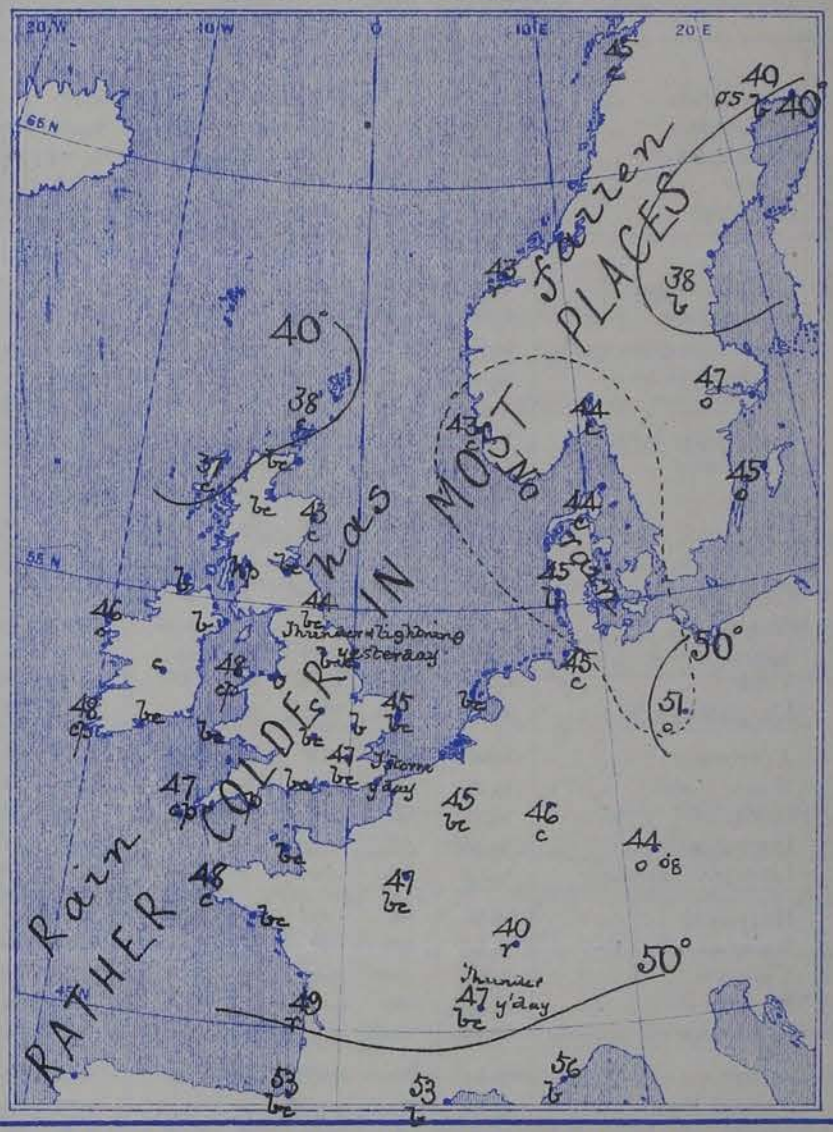


TEMPERATURE & WEATHER.

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 30.1 ins. and upwards in an anticyclone lying over and to the westward of Portugal.
Lowest 29.1 ins. and less in a depression lying over the northern parts of Norway and the adjacent parts of the Atlantic.
Gradients slight. Barometer rising over W^m. Europe generally, but falling again in Ireland.

TEMPERATURE

Highest 56° at Nice and Lisbon, 53° at Biarritz and Perpignan, 52° at Jersey and 51° at Berlin.
Lowest 37° at Stornoway, 38° at Herrisand and Dunbrugh Hd., 40° at Haparanda, & 42° at Mairs & York.
The maxima registered yesterday were below 50° at several of our N^rn. stations. Ground frost occurred over the inland parts of England at night; the thermometer on the grass falling to 30° in London, and also at Loughborough.

WIND

Light to moderate from the W^nd. over the greater part of our Islands, the Netherlands, Denmark and the eastern shores of the North Sea, but from the N^nd. in the extreme north of Scotland.
Moderate to strong from the S^nd. in Sweden.
NW^ly. in the west and south of France.

WEATHER

Fair over western Europe as a whole, but showery at many of our own W^rn. stations, with hail at Ardrossan.
Rain was falling at Rockefort and also at Christiansund.
Showers fell yesterday in nearly all parts of the United Kingdom, with sleet and hail in the north. A thunderstorm occurred at Dungeness, and thunder only at York, Eastbourne and Lyons. Lightning was seen at Spurn Head.

SEA

Moderate to slight generally, but rather rough at Dunbrugh Hd., and also in the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday over the south of Scandinavia is travelling away to the northwestward, but the fresh fall of the barometer in Ireland and the backing winds seem to point to the early approach of another disturbance towards our own western coasts.

FORECASTS

For the 24 hours ending at NOON on 14TH MAY 1898

DISTRICTS.		FORECASTS.
1	SCOTLAND NORTH	N^ly. winds, backing later; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^ly. to SW^ly. or S^ly. winds, fair at first, but with local showers, then dull and rainy.
6	SCOTLAND WEST	
7	ENGLAND N.W.	Wind backing to the SW^wd. or S^wd.; cloudy, unsettled, some rain.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The North Cone is still flying in districts 0 and 1.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	28·97	48	46	W	6	c	4	Valencia	29·72	50	45	NNW	6	bcpq	6
Sumburgh Head	29·06	42	42	NNW	4	c	6	Scilly	29·61	51	46	NNW	6	c	5
Stornoway	29·39	43	38	N	6	c	6	Jersey	29·45	55	50	W	5	b	4
Aberdeen	29·27	38	37	WNW	7	cq	5	Hurst Castle ...	29·38	54	49	NNE	2	cm	2
Shields	29·33	48	46	NW	3	c	4	Dungeness ...	29·32	46	45	NNE	4	rq	3
Ardrossan	29·39	50	47	NW	5	c	3	North Foreland	29·33	47	44	N	4	o	3
Malin Head ...	29·49	44	43	NNW	6	cq	5	London (Westminster)	29·35	51	44	NNW	3	cp	*
Belmullet	29·69	47	43	NW	4	bc	*	Yarmouth ...	29·33	50	45	N	3	bc	4
Holyhead ...	29·49	48	44	NNW	4	c	3	Rochefort ...	29·47	55	54	NW	6	c	*

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

Weather in morning changeable and showery over the greater part of our Islands, with hail and sleet in the north of Scotland. Cloudy or dull at most of the Continental stations, with rain over S. Germany and central and southern France, as well as over the Baltic provinces and the extreme northern parts of Sweden and Russia. Fine over the Mediterranean and the extreme south of Russia. Rain or passing showers occurring during day in nearly all parts of W^n. and N^n. Europe, thunder and lightning occurring at several of the English stations, and thunder heard at Lyons.

Temperature fallen in most of the western countries, but risen elsewhere. Morning readings highest 74° at Algiers and La Calle, 67° at Patras, and 65° at Brindisi and Cran; above 60° at the Mediterranean and Adriatic stations generally. Lowest (1) 37° at Hernösand, and 40° at Haparanda; (2) 40° at Stornoway, Wick and Nairn; below 45° at many of our own northern stations. Daily maxima below 45° in the north of our Islands generally and scarcely reaching 55° in the south. Thermometer exceeding 55° in France, and touching 61° at Perpignan, and 63° at Lisbon. Ground frost occurring over the inland parts of England at night.

Wind N^ly. or NW^ly. in our Islands, and fresh or strong in force on many parts of our western and extreme northern coasts. Strong from the W^wd. or NW^wd. in the west of France, light to fresh from the SW^wd. over central France, the Netherlands and Germany. Strong from the W^wd. in Denmark & the south of Norway; S^ly. or SW^ly. gales reported in the south of Sweden, light to moderate SE^ly. winds over Finland and the north of Scandinavia. Variable in Austria and the south of France; S^ly. or SW^ly. in Italy. Gale moderating later in the south of Sweden; no important change occurring elsewhere.

Barometer highest 30·0 ins. and upwards in two areas; — one lying off the S. of Spain, and the other over the E^rn. parts of the Mediterranean. Lowest 28·7 ins. and less in a well marked depression over the S. of Scandinavia, 29·3 ins. and less in a "V" shaped secondary system moving SE^wd. across the Channel and SE. of England. Scandinavian depression subsequently moving N^wds. Secondary disturbance passing SE^wds. and filling up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 14th May, 1898.

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 ...	29.53	35	S	2	c	29.41	+.10	40	40	0	NNW	2	o	#	c	#	45	34	-
	Hernösand ...	29.47	38	E	0	f	29.54	+.20	37	36	-1	E	o	f	#	f	#	48	36	-
	Stockholm ...	29.50	44	SE	2	o	29.75	+.31	46	42	-1	SW	4	bc	#	o	#	52	39	0.04
	Wisby	29.56	44	SW	4	o	29.87	+.42	45	42	0	WSW	4	b	#	o	#	50	39	-
	Karlstad ...	29.49	45	SW	2	b	29.67	-.29	44	41	+1	SSW	4	o	#	b	#	#	#	-
	Bodö	29.51	43	SW	4	c	29.34	+.29	49	42	+4	E	o	bc	o	c	#	49	37	-
	Christiansund ...	29.34	42	WSW	4	c	29.55	+.49	42	40	-1	WSW	5	r	5	c	#	43	39	0.20
	Skudesnaes ...	29.54	44	NW	4	c	29.73	+.47	40	39	-3	NNW	1	o h	2	o, c	#	46	36	#
	Færder (Christiania Fjord)	29.43	45	SW	4	b	29.65	+.34	44	39	0	W	4	bc	3	b	#	46	39	-
	Skagen (The Scaw)	29.56	44	W	4	bc	29.76	+.39	45	41	+1	W	3	o	1	bc	#	52	39	-
	Fanö	29.69	43	W	4	r	29.86	+.46	45	42	0	W	2	c	#	r	#	52	41	0.04
	Sumburgh Head	29.50	40	NW	3	o	29.66	+.32	41	38	+3	WNW	1	o	4	o	#	43	34	0.02
	Stornoway ...	29.58	44	N	4	c	29.68	+.19	43	39	+6	E	o	b	o	c	6.8	44	32	0.02
	Wick	29.54	42	N	4	bc	29.69	+.26	45	43	+2	W	2	bc	2	bc	#	45	30	0.01
	Nairn	29.58	45	E	0	c	29.71	+.22	43	41	+1	E	o	c	o	ph, c	#	48	34	0.10
	Aberdeen ...	29.60	41	S	1	o pq	29.71	+.22	45	43	+2	E	2	bc	3	hp.c.r	2.4	45	38	0.23
	Leith	29.56	51	W	2	o	29.69	+.17	46	43	-4	E	o	c	#	o	#	54	34	-
	Shields	29.59	46	SSE	2	o	29.67	+.12	44	42	o	N	3	c	3	c, r	#	52	35	0.05
	Spurn Head ...	29.61	48	SSE	4	c	29.61	+.03	48	47	+5	ENE	2	c p	4	c. p	#	57	43	0.04
	York	29.61	51	S	1	c	29.64	+.05	49	46	+7	NNW	1	b	#	c. p	7.1	54	39	0.05
	Loughborough ...	29.73	47	SW	4	o	29.63	-.03	46	44	+1	WNW	2	cnw	#	c. r. cm	#	57	43	0.10
British Islands.	Ardrossan ...	29.56	49	SSW	3	c	29.71	+.16	50	45	+5	NW	1	bw	1	c	#	51	35	-
	Malin Head ...	29.56	47	E	3	bc	29.72	+.16	48	47	+1	N	2	b	1	bp. c	#	51	42	0.21
	Belmullet ...	29.64	45	NW	4	bp	29.75	+.12	49	45	+3	NNW	2	b	#	o p. b	#	50	37	0.10
	Donaghadee ...	29.58	46	WSW	4	o	29.72	+.12	52	47	+5	NNW	5	b	3	o	#	52	43	0.01
	Liverpool (Bidston)	29.61	46	W	1	r	29.66	+.02	47	44	+4	NNE	1	o	1	c. r	#	51	40	0.43
	Holyhead ...	29.58	46	SW	4	q m r	29.69	+.05	47	45	-1	N	3	c	2	c p. q m r	#	51	42	0.71
	Parsonstown ...	29.56	49	W	1	c	29.73	+.05	46	43	-1	SE	1	b	#	c p. b	6.9	54	33	0.15
	Valencia ...	29.65	48	W	3	c p	29.72	+.02	49	45	+1	W	o	b	2	c p	5.1	52	35	0.09
	Roche's Point ...	29.60	49	NW	5	p	29.67	-.04	47	44	-3	N	1	b	2	p	#	52	40	0.40
	Pembroke (St. Ann's Hd.)	29.62	49	SW	5	c	29.68	-.01	49	45	+2	N	3	b	3	c	10.7	53	44	0.08
	Scilly	29.74	51	SW	5	c p	29.67	-.11	51	48	+4	N	2	c	3	c p	6.4	55	45	0.14
	Prawle Point ...	29.77	49	SW	6	c	29.68	-.10	52	51	+5	NNW	1	b	2	q p. q r	#	52	44	0.35
	Jersey (St. Aubin's)	29.85	53	W	5	o q	29.68	-.12	53	52	+1	SSE	3	o p m	3	c. o q	#	55	49	0.06
	Hurst Castle ...	29.73	51	WSW	5	c p	29.68	-.06	50	47	+1	E	o	bc	2	c p. q	#	54	46	0.34
	Dungeness ...	29.72	49	SW	6	c p	29.69	+.01	47	47	-3	SW	4	r	3	c, r	#	53	45	0.25
	North Foreland	29.75	50	SSW	5	c q	29.71	+.04	45	43	-1	SW	3	r	2	c. c q	#	54	43	0.46
	London (Brixton) ...	29.69	50	SW	3	c p	29.67	-.03	48	46	+1	WSW	2	bc	#	bc, p	9.3	58	45	0.18
	Oxford	29.67	48	SW	2	o	29.66	-.04	49	46	+3	W	2	b	#	c. p	#	55	44	0.06
	Cambridge ...	29.69	47	NNW	3	r	29.66	-.01	48	46	+2	SW	2	bc	#	c. r	7.6	58	43	0.07
	Yarmouth ...	29.67	53	W	2	b	29.64	+.05	49	47	+4	SW	3	c	4	c. b	#	53	43	-
Germany & Holland.	Cuxhaven ...	29.73	48	W	2	c	29.87	+.39	45	45	0	S	3	b	#	c	#	50	43	0.08
	Berlin	29.81	47	W	3	b	30.02	+.57	47	44	-4	SW	2	c	#	b	#	57	39	0.12
	Wiesbaden ...	#	#	#	#	#	30.03	+.39	45	43	-1	E	o	c	#	#	#	54	43	0.04
	Munich	29.98	43	SW	5	c	30.05	+.39	46	43	+2	SSW	3	b	#	c	#	52	34	0.04
	The Helder ..	29.74	47	WSW	1	bc	29.74	+.18	48	46	0	S	2	r	2	bc	#	52	43	0.28
Belgium.	Brussels ...	#	#	#	#	#	29.83	+.14	51	47	+6	S	5	o	#	c	#	54	42	0.04
	Cape Gris Nez ..	?	50	W	5	o	?	?	50	46	+5	SW	5	r	5	o	#	52	45	0.12
	Paris	29.89	53	WSW	2	c	?	?	48	45	+1	SSW	3	o	#	c	#	57	41	0.12
	Brest	29.88	52	SW	4	c	29.73	-.12	58	52	+5	W	4	o	3	c	#	55	46	0.12
	Lorient	29.92	52	W	5	c	29.72	-.12	54	54	+5	W	5	?	5	c	#	57	45	0.12
France &	Rochefort ...	29.93	54	NNW	4	bc	29.88	+.04	55	52	+6	SSW	5	o	#	bc	#	61	49	-
	Belfort	29.94	46	W	2	c	30.04	+.33	46	43	+6	E	o	m	#	c	#	50	?	0.08
	Lyons	30.00	48	E	1	b	30.08	+.24	49	46	+2	SSE	1	bc	#	b	#	56	39	0.04
	Nice	29.75	58	E	3	b	30.04	+.45	55	46	-1	E	1	b	2	b	#	66	48	-
	Perpignan ...	30.01	61	W	3	b	30.13	+.20	55	50	+2	W	1	b	#	b	#	65	45	-
	Biarritz ...	30.04	56	NNW	3	bc	30.00	+.04	55	48	+2	SE	3	c	3	bc	#	57	48	0.04
Peninsula.	Corunna ...																#			
	Lisbon	30.13	54	NNW	5	b	30.09	-.08	57	49	+1	N	3	b	#	b	#	66	50	-
	Azores (P. Delgada)	30.10	61	E	0	o	30.06	-.09	62	58	+1	E	o	o	1	o	#	66	59	-

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

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

Bright Sunshine yesterday Southport 9.5 hrs;

WEATHER CHARTS

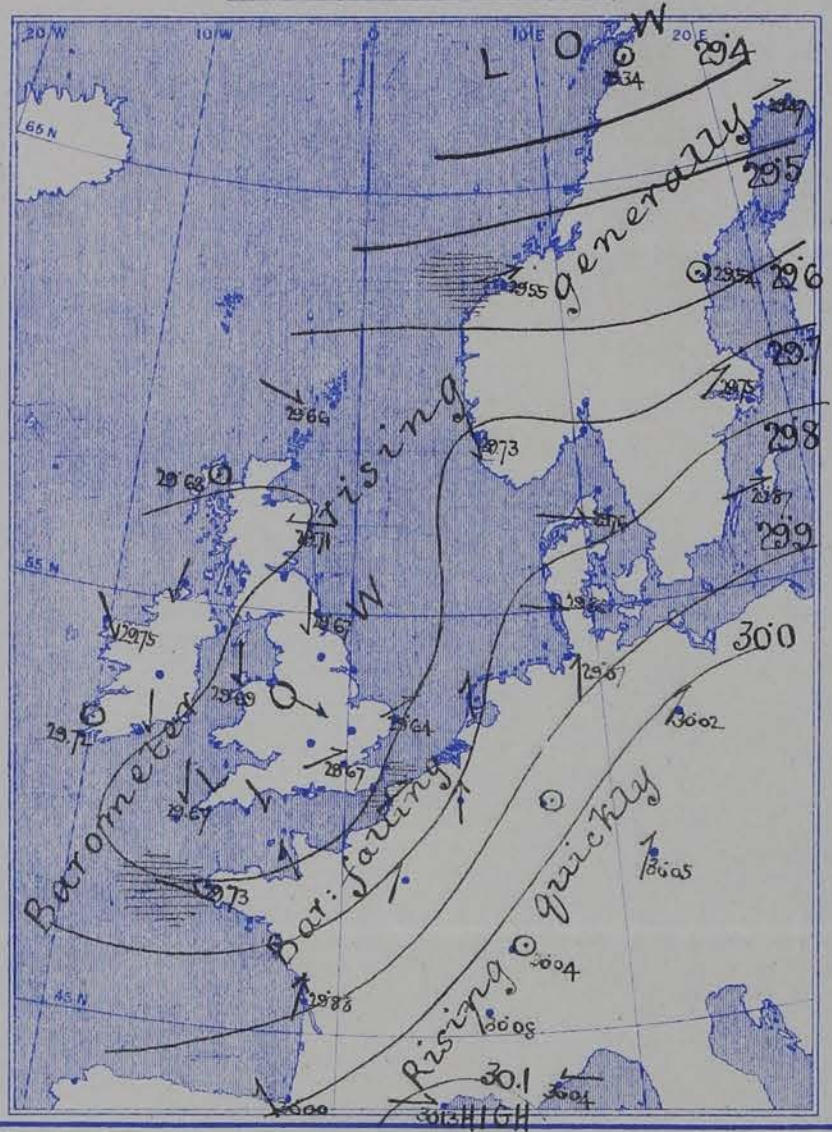
FOR Saturday, 14th May, 1898

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* ⟶ ; }

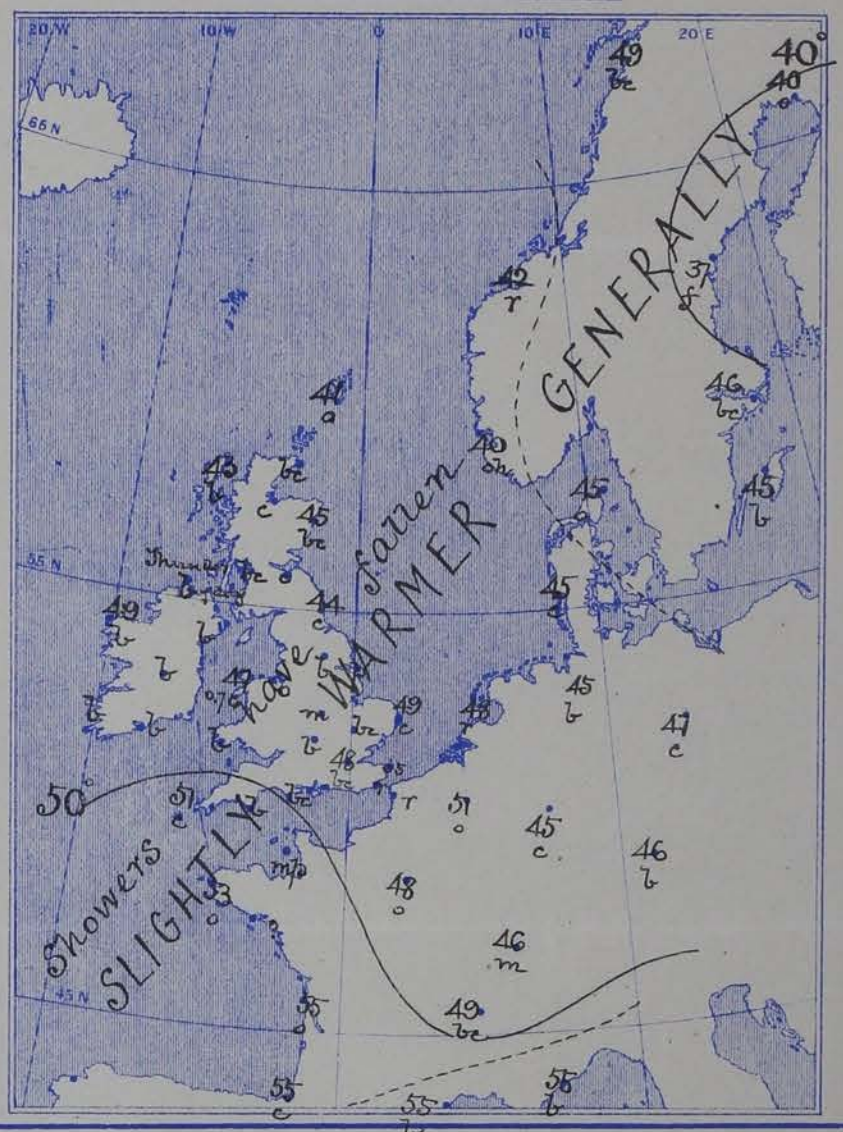
SEA—Rough ≡ ; *High* ▰



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, 30·1 in: and more to 30·0 in: over Spain, the south and east of France, and Central Germany.
Lowest. Below 29·4 in: over the west of Lapland, and below 29·7 in: all over England and Wales.
Gradients very slight and irregular over our Islands
Barometer rising unsteadily at our own stations: in the extreme west and northwest the rise is apparently checked.

TEMPERATURE

Highest, 55° in the southwest and south of France, 53° at Brest and Jersey, 52° at Donaghadee, 49° at Pembroke, Valencia and York.
Lowest. (1) 43° at Nairn, 46° at Parsonstown and Loughborough; (2) 37° at Hernösand.
It has again been low over Scotland and Ireland during the night, but not over England.

WIND

(1) Very light and variable (but cyclonic) over our Islands, and in several places calm.
(2) S. light to moderate over France and Germany, SW to W over the greater part of Scandinavia.

WEATHER

Very bright over Ireland and the western parts of Great Britain, changeable over England with heavy clouds and showers over our eastern and southeastern counties and in the north of France.
Rain has fallen over our Islands and their neighbourhood, and in several parts of England and Wales the fall has been considerable. Bright Sunshine recorded yesterday amounted to nearly 11 hrs: at Pembroke, more than 9 hrs: at Southport and in London: at Aberdeen it was only 2·5 hrs.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very changeable weather is still probable – sharp showers alternating with periods of very clear sky and sudden changes of temperature.

FORECASTS

For the 24 hours ending at NOON on 15TH MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind backing to SW and S.; weather becoming showery again.
1	SCOTLAND EAST	Varying light airs, N. at first, with some showers, SW later. Cold tonight, warmer tomorrow.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Varying airs; some passing showers, then fine. Cold tonight.
6	SCOTLAND WEST	Wind shifting to SW. or S. again; fine at first, showery 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 ...	29.42	46	44	W	4	o	3
Sumburgh Head	29.45	42	37	NW	3	o	5
Stornoway	29.54	44	41	ESE	3	c	3
Aberdeen	29.55	43	39	N	2	c	2
Shields	29.58	52	45	SW	2	c	3
Ardrossan	29.56	48	46	SW	3	c	3
Malin Head ...	29.56	44	44	SE	1	c	1
Belmullet	29.60	48	45	NNW	3	cp	*
Holyhead	29.62	51	48	SW	3	cp	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.65	50	47	WSW	4	cp	5
Scilly	29.78	54	51	WSW	5	cp	4
Jersey	29.87	55	49	WSW	6	c	5
Hurst Castle ...	29.75	54	51	SW	4	cp	3
Dungeness ...	29.74	50	48	WSW	5	c	4
North Foreland	29.74	53	45	W	2	c	2
London (Westminster)	29.71	56	47	W	3	c	*
Yarmouth ...	29.66	51	43	W	4	c	3
Rochefort ...	29.92	61	54	NW	4	bc	*

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

Weather in morning still fine and bright over the Spanish Peninsula, as well as over the extreme southeast of Europe, but changeable and unsettled elsewhere, though temporarily clear in several localities. Rain falling later all over the British Islands and many parts of France — the amounts being considerable at some stations in Wales and the south of England.

Temperature fallen over Central Europe, and many parts of the Mediterranean. Morning readings highest 71° at Palermo and above 65° on many of the coasts of the southern side of the Mediterranean; 66° at Hermanstadt, 61° at Lemberg, 59° at Moscow, and 51° at Archangel. Lowest 37° at Stornoway, 38° at Sumburgh Head, 43° at Aberdeen, Liverpool, and Spurn Head, 45° at Yarmouth and Cuxhaven. Not touching 60° later in any part of our Islands, but reaching 61° at Rochefort and 66° at Nice and Lisbon.

Wind (1) Light to moderate from the NW. over the United Kingdom, and from NW. and W. over France and Germany; Light from SE. and S. over Russia, Finland and the Gulf of Bothnia; (3) A well marked cyclonic circulation over the Mediterranean and Adriatic, causing SW. gales in some places; (4) Anticyclonic circulations prevalent over the Spanish Peninsula and also over the extreme southeast of Europe. Varying a good deal in direction from between SW. and NW. in several localities later, and shifting to E. at Malin Head.

Barometer (1) 30·1 ins: and more to 29·9 ins: over the Iberian Peninsula and Morocco; (2) 30·0 ins: to 29·9 ins: over Greece, Asia Minor, and the south of Russia. Lowest (1) below 29·1 ins: over the northwest of Norway, and below 29·5 ins: in a large "hollow" covering the whole of Scandinavia, the Baltic, and north Germany; (2) below 29·6 ins: in a small disturbance over the Gulf of Genoa, the southeast of France, and northern Italy. A very shallow V shaped disturbance advancing later over our Islands from the westward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 15th May, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.73	35	WSW	4	bc	30.10	+ .63	41	38	+ 1	SW	2	b	*	bc	*	45	34	—
	Hernösand ...	29.89	41	2	0	b	30.15	+ .61	44	40	+ 7	S	2	b	*	b	*	57	32	—
	Stockholm ...	30.08	44	S	2	b	30.22	+ .47	49	45	+ 3	S	2	b	*	b	*	52	39	0.20
	Wisby	30.12	43	S	4	b	30.22	+ .35	51	44	+ 6	SSE	4	b	*	b	*	52	39	—
	Karlstad ...	30.00	44	SW	4	b	30.10	+ .43	48	43	+ 4	ESE	4	o	*	b	*	*	*	—
	Bodö	29.74	44	SW	4	c	29.98	+ .64	43	41	— 6	SW	4	c	2	c	*	49	34	0.43
	Christiansund ...	29.87	43	WSW	3	c	29.95	+ .40	45	41	+ 3	S	3	b	4	c	*	45	41	0.04
	Skudesnaes ...	29.92	45	2	0	b	29.89	+ .16	46	45	+ 6	E	4	o	2	b	*	48	36	*
	Færder (Christiania Fjord)	29.93	45	WSW	6	b	30.01	+ .36	46	43	+ 2	E	2	o	2	b	*	46	45	—
	Skagen (The Scaw)	30.00	49	SE	1	c	29.95	+ .19	48	45	+ 3	SE	2	c	0	c	*	54	45	—
	Fanö	29.86	50	ESE	6	r	29.84	— .02	49	46	+ 2	ESE	1	c	*	r	*	59	45	—
	Sumburgh Head	29.73	44	S	3	o	29.70	+ .04	43	40	+ 2	SW	3	o	4	c.o	*	46	39	0.07
	Stornoway ...	29.68	48	WSW	4	o	29.72	+ .04	41	38	— 2	NW	4	o	4	o	8.7	50	35	0.10
	Wick	29.71	46	S	4	bc	29.75	+ .06	47	45	+ 2	NW	4	bc	2	bc	*	50	39	—
	Nairn	29.72	51	2	0	bc	29.79	+ .08	46	42	+ 3	WSW	3	b	1	bc	*	53	38	—
	Aberdeen ...	29.76	46	S	3	c	29.82	+ .11	44	42	— 1	NW	4	cq	2	bc.c	7.9	49	37	—
BRITISH ISLANDS.	Leith	29.76	52	WSW	2	c	29.82	+ .13	51	46	+ 5	WSW	1	c	*	c	*	55	41	—
	Shields	29.78	48	NE	1	b	29.86	+ .19	51	47	+ 7	SW	1	cm	3	b.bm	*	51	37	—
	Spurn Head ...	29.78	50	ESE	3	b	29.86	+ .25	51	48	+ 3	2	0	b	3	p.bw	*	54	44	—
	York	29.77	56	ENE	1	bc	29.88	+ .24	43	42	— 6	W	1	o	*	bc	7.0	58	39	—
	Loughborough ...	29.78	57	E	1	bc	29.88	+ .25	50	47	+ 4	NNW	1	bmw	*	c.bc.bm	*	61	37	—
	Ardrossan ...	29.78	53	NW	3	b	29.86	+ .15	46	45	— 4	WNW	3	op	2	bv	*	55	44	—
	Malin Head ...	29.79	51	NW	4	b	29.86	+ .14	47	46	— 1	WNW	3	bcp	1	b	*	53	43	0.06
	Belmullet ...	29.85	51	WNW	2	b	30.02	+ .27	50	42	+ 1	WNW	3	b	*	b	*	55	41	0.03
	Donaghadee ...	29.73	50	NE	3	b	29.89	+ .17	50	47	— 2	NW	3	c	1	b	*	55	40	—
	Liverpool (Bidston)	29.80	52	NW	2	bm	29.88	+ .22	51	47	+ 4	W	1	b	2	bm	*	54	40	—
	Holyhead ...	29.81	49	N	2	b	29.88	+ .19	52	49	+ 5	N	2	b	1	b	*	52	42	—
	Parsonstown ...	29.78	59	N	1	bc	29.95	+ .22	50	46	+ 4	2	0	b	*	bc	10.1	59	38	—
	Valencia ...	29.80	54	N	3	bc	30.00	+ .28	50	46	+ 1	NNW	3	c	3	b.bc	12.9	58	43	—
	Roche's Point ..	29.81	51	SSE	2	b	29.96	+ .29	51	47	+ 4	NNW	3	b	3	b	*	53	41	—
	Pembroke (St. Ann's Hd.)	29.77	56	SE	2	bc	29.88	+ .20	53	49	+ 4	NE	1	b	3	bc	12.8	54	45	—
	Scilly	29.72	51	E	4	r	29.89	+ .20	52	51	+ 1	N	4	c	3	c.r	6.5	56	47	0.21
	Prawle Point ...	29.80	51	S	4	c	29.83	+ .15	50	49	— 2	N	3	c	3	cp.r	*	54	45	0.47
	Jersey (St. Aubin's)	29.80	54	SSE	2	orm	29.79	+ .11	52	51	— 1	WSW	4	omp	4	c.orm	*	60	50	0.58
	Hurst Castle ...	29.81	54	SW	3	c	29.80	+ .12	49	48	— 1	E	4	op	3	bc.c	*	56	47	0.31
	Dungeness ...	29.77	53	SW	3	bc	29.80	+ .11	49	48	+ 2	E	4	p	3	b.bc	*	55	46	0.27
	North Foreland	29.80	53	SE	1	c	29.84	+ .13	49	48	+ 4	E	2	or	1	c	*	56	44	0.18
	London (Brixton) ...	29.81	57	SW	1	bc	29.84	+ .17	49	47	+ 1	ESE	1	gd	*	c.r	8.5	64	45	0.03
	Oxford	29.82	49	NW	1	bc	29.86	+ .20	48	45	— 1	N	2	bc	*	bc	*	58	37	—
	Cambridge ...	29.80	58	NW	1	b	29.88	+ .22	49	48	+ 1	N	1	ow	*	b	9.6	59	37	—
	Yarmouth ...	29.77	52	NE	3	bc	29.88	+ .24	50	48	+ 1	E	3	b	3	bc	*	52	40	0.07
GERMANY & HOLLAND.	Cuxhaven ...	29.85	50	S	4	o	29.91	+ .04	47	47	+ 2	WSW	3	o	*	br.o	*	52	45	0.39
	Berlin	30.03	55	SE	2	b	30.01	— .01	55	51	+ 8	SW	4	r	*	b	*	64	47	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30.09	49	NE	2	b	30.16	+ .11	56	51	+ 10	S	3	c	*	b	*	57	45	0.04
	The Helder ...	29.77	48	WSW	2	bc	29.91	+ .17	50	47	+ 2	2	0	bc	1	bc	*	52	45	0.16
BELGIUM.	Brussels ...	*	*	*	*	*	29.91	+ .08	52	52	+ 1	SE	2	o	*	o	*	54	45	0.20
	Cape Gris Nez ...	?	53	SW	2	bc	?	?	48	46	— 2	SE	2	r	2	bc	*	55	45	1.46
	Paris	29.87	55	NW	4	r	29.91	?	54	52	+ 6	S	3	r	*	r	*	59	48	0.39
	Brest	29.79	54	SSW	3	r	29.88	+ .15	52	50	— 1	W	3	c	3	r	*	54	48	0.79
	Lorient	29.84	55	SW	5	f	29.89	+ .17	53	51	— 1	W	4	bc	5	f	*	57	50	0.28
FRANCE &	Rochefort ...	29.93	56	SW	4	r	29.93	+ .05	55	52	0	WSW	4	c	*	r	*	57	43	0.16
	Belfort	30.04	54	W	3	r	30.05	+ .01	55	50	+ 9	W	1	o	*	r	*	62	46	—
	Lyons	30.08	58	S	2	o	30.10	+ .02	58	51	+ 9	S	3	cv	*	o	*	64	49	—
	Nice	30.15	57	S	2	b	30.17	+ .13	55	50	0	2	0	b	2	b	*	66	50	—
	Perpignan ...	30.07	62	E	1	o	30.10	— .03	57	55	+ 2	2	0	b	*	o	*	68	46	—
	Biarritz ...	29.97	61	NNE	3	c	30.02	+ .02	58	53	+ 3	WSW	2	b	2	c	*	64	54	—
PENINSULA.	Coruña ...																*			
	Lisbon	30.08	55	NNW	5	b	30.10	+ .01	62	56	+ 5	NNE	4	b	*	b	*	70	55	—
	Azores (P. Delgada)	30.10	63	2	0	o	30.10	+ .04	62	58	0	N	3	c	2	o	*	68	61	—

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

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

Bright Sunshine yesterday Southport 13.5 hrs;

WEATHER CHARTS

FOR SUNDAY, 15th MAY, 1898

BAROMETER, WIND AND SEA.

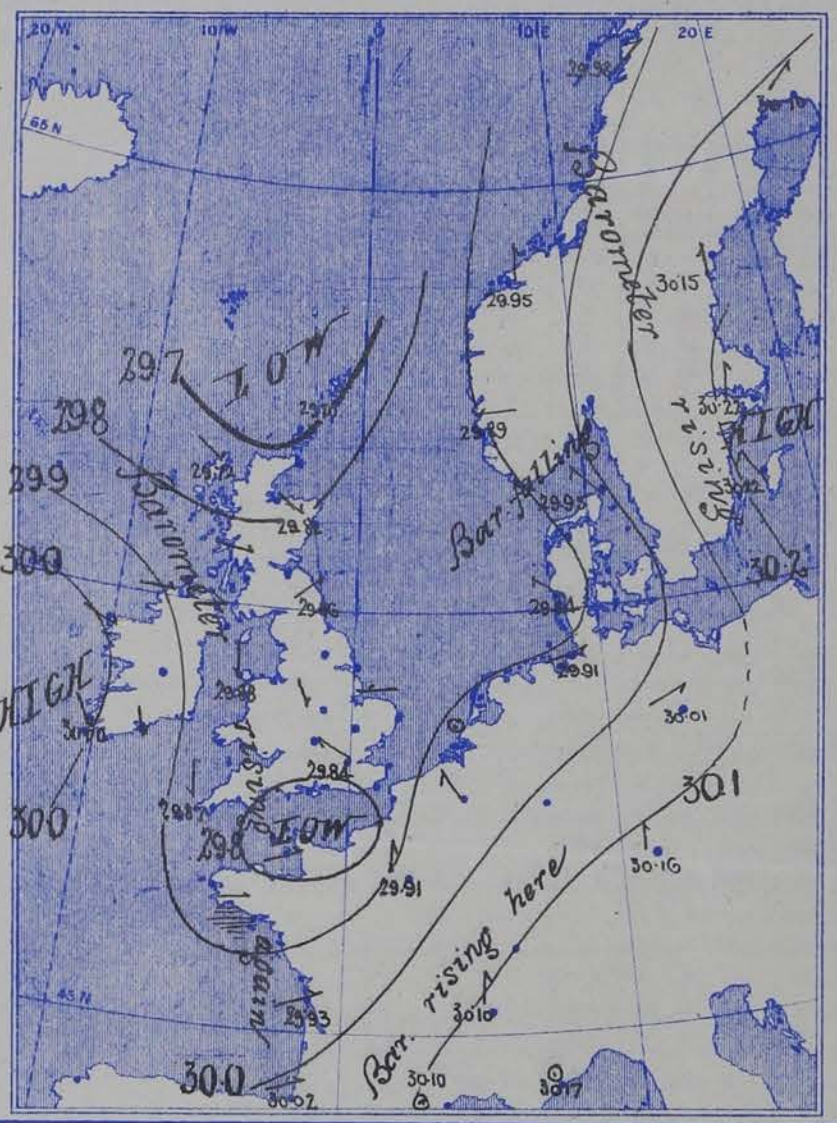
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

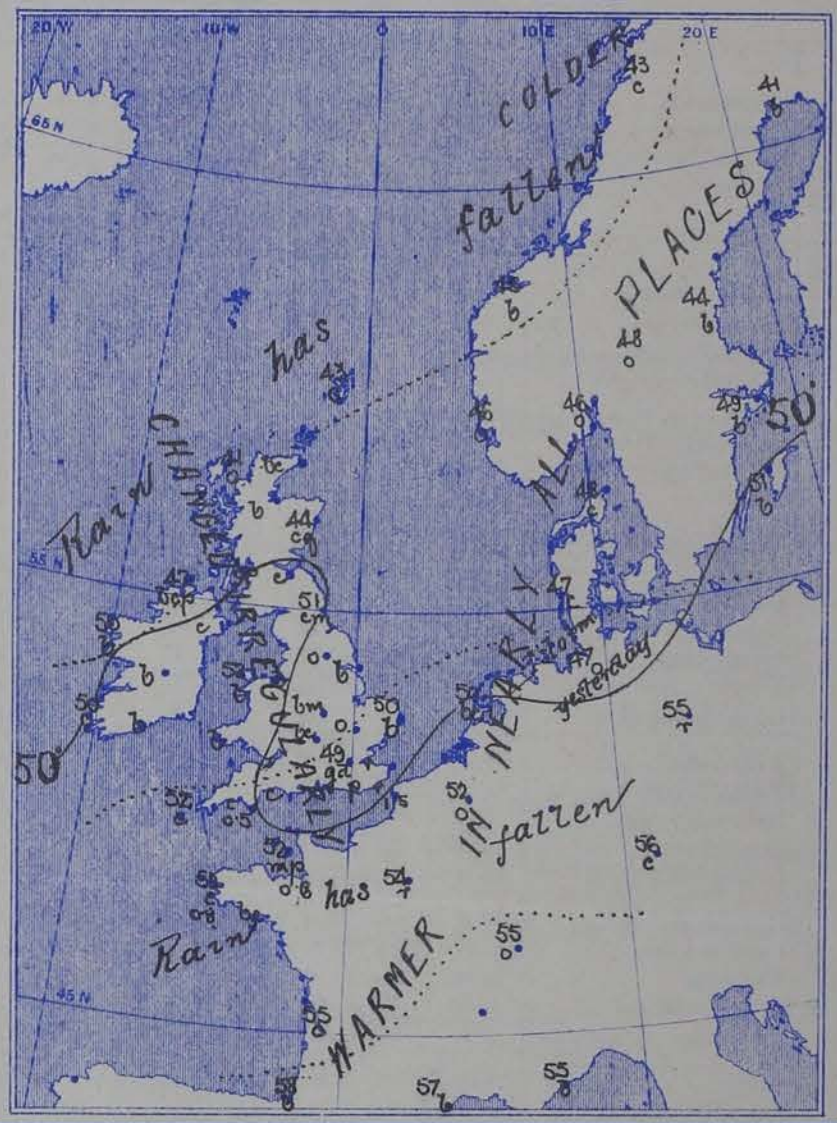


TEMPERATURE & WEATHER.

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 · 8	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 in: and upwards over the northern part of the Baltic; 30·0 in: and upwards in the extreme west of Ireland.
Lowest, 29·7 in: and less. in a shallow depression off the north of Scotland; 29·8 in: and less. in another shallow system over the English Channel
Gradient slight. Barometer rising generally.

TEMPERATURE

Highest, 62° at Lisbon, 58° at Lyons and Biarritz, 57° at Perpignan, 56° at Munich, and 55° at Berlin, Rochefort, and Nice.
Lowest, (1) 41° at Haparanda, and 43° at Bodo; (2) 41° at Stornoway, 43° at Turnburgh Head and York and 44° at Aberdeen.
The maxima registered yesterday were below 55° at most of our northern stations; at Jersey, however, the thermometer rose to 60° and in London and at Loughborough to 61°.

WIND

Light to moderate from the NW^ly in Scotland and Ireland, from the W^ly in the west of France, and from the S^ly over Central France and south Germany, but E^ly in the east and southeast of England, as well as on the eastern shores of the North Sea.
S^ly or SW^ly over the northern parts of Scandinavia; calm in the extreme south of France.

WEATHER

Fine over the greater part of our Islands and France, but dull and showery at the Channel stations, and rainy at the North Foreland as well as at C. Gris Nez and Paris; showery also in some parts of our extreme northwest coasts.
Cloudy or dull over Germany, Denmark, and the south of Norway, with rain at Berlin; fine in Sweden and the northern parts of Norway.
Heavy rain has fallen over the Channel and the north of France, the largest amounts being 1·5 in: at C. Gris Nez, 0·8 in: at Albert, and 0·6 in: at Jersey.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 16TH MAY. **1898**

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH		6 SCOTLAND WEST	
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	NONE ISSUED	9 IRELAND NORTH	NONE ISSUED.
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 ...	29.88	48	45	SSW	4	bc	2
Sumburgh Head	29.72	45	41	SSW	2	c	4
Stornoway	29.68	47	42	WSW	4	o	4
Aberdeen	29.76	47	45	SE	3	bc	3
Shields	29.74	49	46	NE	3	b	3
Ardrossan	29.75	54	49	NW	3	b	2
Malin Head ...	29.76	53	51	E	2	b	0
Belmullet	29.80	52	47	WNW	2	b	*
Holyhead	29.77	52	48	N	3	b	2
Valencia	29.75	55	48	NE	1	b	2
Scilly	29.73	53	49	E	3	c	3
Jersey	29.79	59	53	WNW	3	c	3
Hurst Castle ...	29.75	56	52	SW	4	bc	3
Dungeness ...	29.73	53	52	WSW	2	b	1
North Foreland	29.74	53	50	SE	2	bc	2
London (Westminster)	29.72	59	50	WNW	3	c	*
Yarmouth ...	29.69	50	48	ESE	3	bc	3
Rochefort ...	29.88	57	54	SW	6	o	*

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

Weather in morning fine over the greater part of our Islands, but dull and rainy in the extreme southeast of England and the neighbouring parts of the Continent. Fine over Southern Europe and also over the Baltic; cloudy or dull over the northern and central countries as a whole, with rain in Finland and also at Christiansund and Buda-Pesth. Weather improving later in the southeast of England, but showers falling on our extreme north and northwest coasts. Heavy rain setting in at night over the English Channel and the north of France.

Temperature fallen in Germany, Austria and Italy, but risen in most other countries. Morning readings highest 68° at Constantinople, 66° at Patras and 64° at Malta; above 55° over Southern Europe generally and also over Central Russia. Lowest 37° at Haparanda and 40° at Haparanda and Ulealeaa; lowest in our Islands 41° at Sumburgh Head, and 43° at Stornoway and Nairn. Daily maxima below 55° at most of our more northern stations, but thermometer reaching 60° or more in some parts of central and southern Europe. Exceeding 65° in the south of France and touching 70° at Lisbon.

Wind light to moderate from the N. over the north of England and the west of our Islands generally, from the W. in Brittany and from the SW. or S. over Central France, the east and southeast of England, the Netherlands, Germany, the Baltic, and the greater part of Scandinavia; calm or variable in Scotland. Variable over southern Europe generally, but W. or NW. in the southern parts of France and Italy. Subsequently shifting to the E. or NE. on our more southwest coasts; no important change occurring elsewhere.

Barometer highest 30·1 in. and upwards in an anticyclone lying over Spain, the south of France, and the western part of the Mediterranean, and also in smaller areas over southeastern Germany and the south of Russia. Lowest 29·4 in. and less, in a depression over the northern parts of Scandinavia; 29·7 in. and less, in a secondary system extending southwards over the greater part of our Islands. Secondary disturbance moving northeastwards later and partially filling up, but shallow depression appearing off mouth of English Channel in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Monday, 16th May, 1898.

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 ...	24.93	35	W	0	b	30.25	+.15	43	41	+ 2	SE	2	c	8	b	*	46	30	
	Hernösand ...	30.20	40	W	0	c	30.19	+.04	45	42	+ 1	E	4	c	*	c	*	52	30	-
	Stockholm ...	30.19	46	SE	4	bc	30.08	-.14	53	50	+ 4	SE	2	b	*	bc	*	57	37	0.04
	Wisby	30.15	47	SSE	4	r	30.06	-.16	53	50	+ 2	SSE	4	bc	*	r	*	59	45	0.28
	Karlstad ...	30.04	49	S	2	o	29.98	-.12	47	45	- 1	S	2	o	*	o	*	*	*	-
	Bodö	30.01	46	W	0	b	29.94	-.04	52	45	+ 9	E	4	b	1	b	*	52	41	-
	Christiansund ...	29.84	48	NE	1	o	29.86	-.09	45	43	0	N	1	bc	3	o	*	55	43	-
	Skudesnaes ...	29.88	45	W	0	o	29.89	.00	45	44	- 1	S	2	r	3	r. of	*	47	39	*
	Færder (Christiania Fjord)	29.97	46	ENE	2	o	29.93	-.08	46	45	0	ESE	2	o	2	o	*	46	45	0.32
	Skagen (The Scaw)	29.96	50	SSE	1	b	29.91	-.04	48	46	o	W	0	f	0	b	*	57	45	-
	Fanö	29.94	46	W	0	c	29.86	+.02	46	45	- 1	N	1	r	*	c	*	54	46	0.08
	Sumburgh Head	29.74	45	WSW	3	bc	29.81	+.14	39	38	- 4	W	3	r	4	bc	*	49	36	0.01
	Stornoway ...	29.89	44	NNW	5	c	30.04	+.32	43	38	+ 2	NNW	4	bc	4	c r sh. c	8.4	47	35	0.08
	Wick	29.85	50	NW	5	c	29.97	+.22	44	43	- 3	NW	5	b c h p	2	c	*	54	33	0.16
	Nairn	29.86	42	NW	3	r	30.03	+.24	42	39	- 4	W	2	c	1	r	*	52	32	0.07
	Aberdeen ...	29.84	46	N	3	bc	30.05	+.23	45	39	+ 1	NNW	3	bc	2	p.bc	5.9	50	34	0.40
	Leith	29.86	48	W	4	o	30.09	+.27	45	39	- 6	W	2	c	*	o	*	57	34	0.02
	Shields	29.87	49	ENE	1	c	30.09	+.23	43	39	- 8	NW	3	b	3	c	*	57	35	-
	Spurn Head ...	29.86	50	SSE	4	c	30.05	+.19	47	43	- 4	NW	5	bc	5	c	*	54	40	-
	York	29.87	51	WSW	2	c	30.12	+.24	45	42	+ 2	NNW	2	b	*	o, c	1.6	61	36	-
	Loughborough ...	29.88	58	W	1	o	30.13	+.25	47	42	- 3	NNW	3	bw	*	bc. o p. b	*	65	37	0.02
British Isles.	Ardrossan ...	29.92	46	NNW	5	b q p	30.11	+.25	48	46	+ 2	W	3	b	3	q p. b	*	52	38	0.01
	Malin Head ...	30.00	44	NNW	6	b c q p	30.13	+.27	44	43	- 3	NW	5	b c h q	3	c. q r	*	49	39	0.13
	Belmullet ...	30.12	47	NNW	4	b c p	30.25	+.23	47	42	- 3	NW	3	b	*	b. b c p	*	50	38	0.03
	Donaghadee ...	29.98	47	NNW	4	bc	30.17	+.28	48	44	- 2	NNW	4	b	2	bc	*	53	35	0.09
	Liverpool (Bidston)	29.95	50	NNW	3	c	30.18	+.30	47	42	- 4	NW	2	bc	4	c	*	55	43	-
	Holyhead ...	29.97	51	NW	3	c	30.20	+.32	49	45	- 3	NW	3	bc	2	c	*	56	43	-
	Parsonstown ...	30.07	50	W	2	bc	30.26	+.31	47	42	- 3	N	1	bc	*	bc	8.6	55	32	-
	Valencia ...	30.15	49	N	6	bc	30.32	+.32	49	43	- 1	NNW	2	bc	3	bc	9.3	52	40	0.02
	Roche's Point ..	30.06	52	NNW	4	b	30.31	+.35	47	44	- 4	NNW	3	b	3	b	*	55	41	-
	Pembroke (St. Ann's Hd.)	29.99	50	NW	4	c	30.23	+.35	48	42	- 5	NE	4	b	3	b, c	11.6	55	41	0.03
	Scilly	30.05	54	NW	4	c	30.23	+.36	49	45	- 3	NNE	4	bc	2	b, c	13.2	56	43	-
	Prawle Point ...	29.95	54	NNW	2	bc	30.18	+.35	51	46	+ 1	N	3	b	2	bc	*	58	43	-
	Jersey (St. Aubin's)	29.98	54	W	5	c	30.13	+.34	53	48	+ 1	NNW	5	bc	4	o, c	*	57	48	0.01
	Hurst Castle ...	29.93	53	WSW	3	bc	30.13	+.33	50	45	+ 1	NNE	4	b	2	bc	*	56	44	-
	Dungeness ...	29.89	50	SSE	1	c p	30.06	+.26	46	44	- 3	N	4	c	2	o p. c. f	*	53	40	0.11
	North Foreland	29.91	51	W	0	c	30.07	+.23	46	44	- 3	WNW	3	o	3	o, c	*	52	44	0.13
	London (Brixton) ...	29.91	53	WSW	1	b	30.11	+.27	46	41	- 3	NW	2	b	*	g a f. b m. p	0.0	55	43	0.06
	Oxford	29.92	56	SSE	1	r	30.14	+.28	46	41	- 2	N	3	b	*	c. r	*	63	40	0.19
	Cambridge ...	29.89	59	N	1	o	30.12	+.24	47	43	- 2	N	4	b	*	c. o	6.1	63	40	0.03
	Yarmouth ...	29.87	52	NE	3	bc	30.03	+.15	47	44	- 3	NNW	4	c	4	bc	*	53	44	0.06
Germany & Holland.	Cuxhaven ...	29.93	48	N	1	c	29.85	-.06	50	50	+ 3	NNW	2	o	*	c. r	*	54	47	0.28
	Berlin	30.00	60	SE	2	bc	29.99	-.02	58	53	+ 3	SW	3	b	*	bc	*	68	50	-
	Wiesbaden ...	*	*	*	*	*	30.04		52	51		W	0	o	*	*	*	63	46	1.14
	Munich... ..	30.10	56	E	2	c	30.15	-.01	60	55	+ 4	SSW	3	bc	*	c	*	68	48	-
	The Helder ...	29.84	50	NE	3	r	29.87	+.06	51	47	+ 1	WSW	1	b	1	r	*	54	46	0.16
Belgium.	Brussels ...	*	*	*	*	*	30.05	+.14	54	49	+ 2	S	1	b	*	o	*	61	43	0.04
	Cape Gris Nez...	?	50	NE	1	m	?	?	48	45	0	NE	4	r	4	m	*	54	45	0.20
	Paris	29.97	58	W	3	bc	30.06	+.15	53	53	- 1	W	1	bc	*	bc	*	60	49	0.55
	Brest	30.03	52	NW	2	bc	30.14	+.26	51	49	- 1	NE	2	c	2	bc	*	57	46	-
	Lorient... ...	30.01	54	W	4	c	30.10	+.21	49	47	- 4	NNW	2	b	2	c	*	59	46	-
France &	Rochefort ...	30.01	59	W	3	c	30.04	+.11	56	54	+ 1	W	0	c	*	bc, c	*	64	52	0.04
	Belfort	29.97	61	SSE	5	c	30.06	+.01	53	51	- 2	W	1	o	*	c	*	70	49	-
	Lyons	30.04	62	S	3	c	30.09	-.01	55	50	- 3	S	1	b	*	c	*	69	47	-
	Nice	30.18	57	SW	1	o	30.10	-.07	58	53	+ 3	W	0	b	1	o	*	64	48	-
	Perpignan ...	30.10	61	SE	1	bc	30.13	+.03	57	56	0	W	0	c	*	bc	*	73	50	-
	Biarritz ...	30.03	63	N	3	bc	30.02	.00	58	55	0	N	3	o	2	bc	*	64	55	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.10	59	NNW	5	b	30.02	-.08	60	55	- 2	NNW	5	c	*	b	*	70	57	-
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 11.2 hrs;

WEATHER CHARTS

FOR Monday, 16th May, 1898

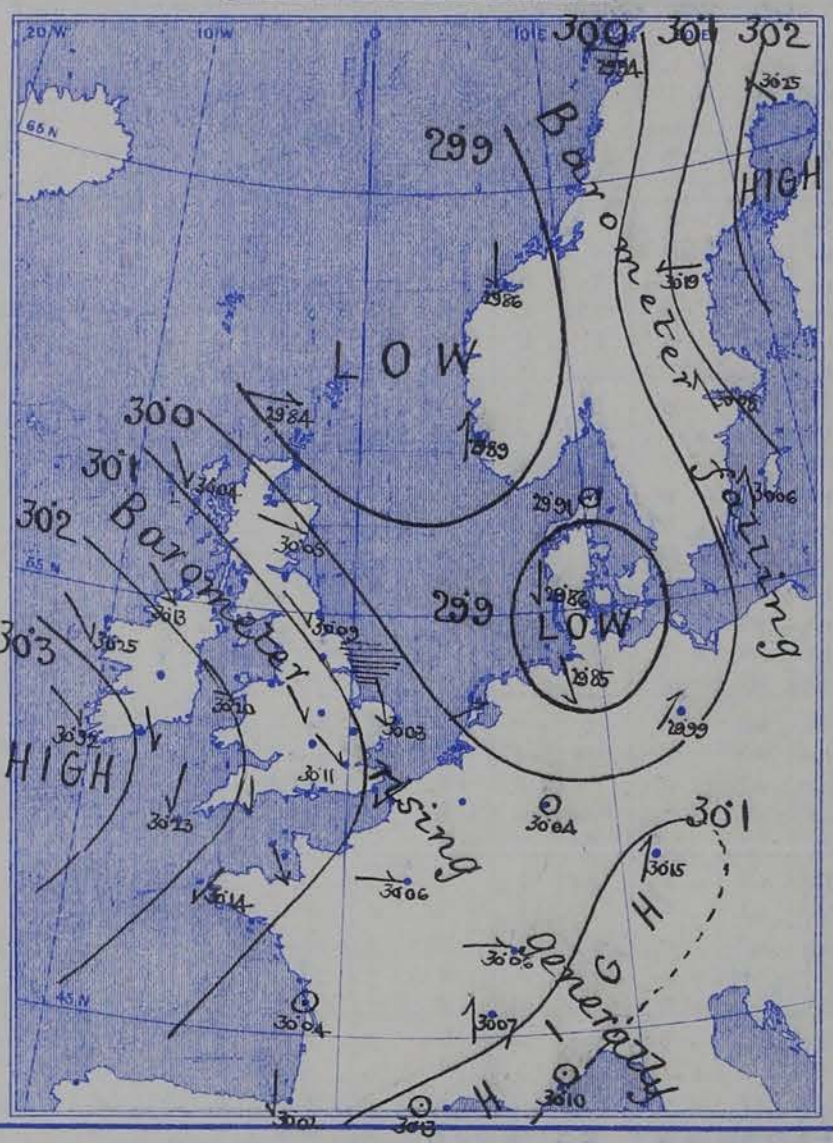
BAROMETER, WIND AND SEA.

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*

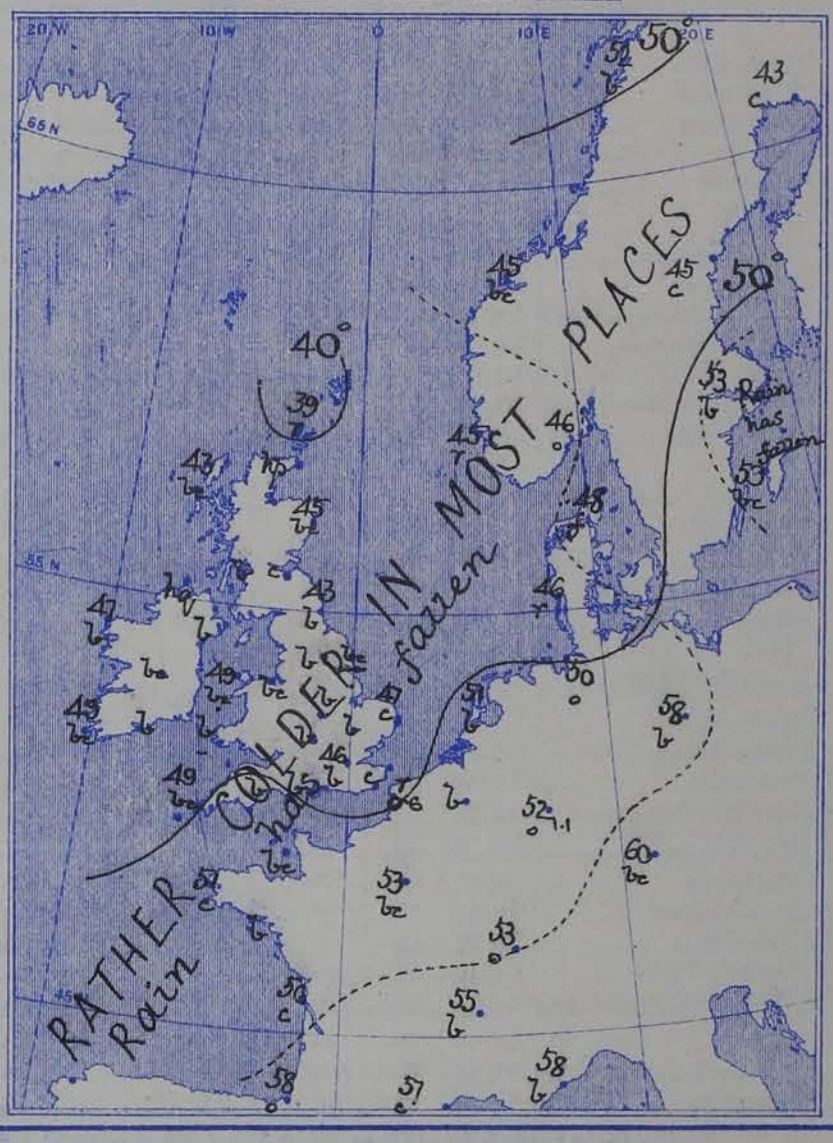


TEMPERATURE & WEATHER.

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, 30·3 ins: and upwards in an anticyclone lying over the south and southwest of Ireland; 30·2 ins: and upwards over the Gulf of Bothnia; 30·1 ins: and upwards over the southern parts of France and Germany.
Lowest, 29·9 ins: and less. in a large shallow area lying over and to the westward of Norway, and also in a smaller system over Denmark.
Gradients slight. Barometer rising generally, but falling in Scandinavia.

TEMPERATURE

Highest, 60° at Munich and Lisbon, 58° at Berlin, Nice, and Biarritz, 57° at Perpignan and 56° at Rochefort.
Lowest, 39° at Lumbugh Head, 42° at Nairn, 43° at Stornoway and Shields, and 44° at Wick and Malin Head.
During yesterday the thermometer rose to 60° and upwards at several of the inland stations over England, and to 65° at Loughborough.
In London it did not exceed 55° and on our east and southeast coasts it scarcely reached that point.

WIND

Light to moderate from the N. or NW. over our Islands and the north and west of France.
Light from between W. and S. over Germany and Central France, SE or E in Scandinavia.

WEATHER

Fine over the greater part of our Islands, France, and the Netherlands, but hail showers reported at Wick and Malin Hd.
Dull on the eastern shores of the North Sea, with rain at Rudesnaes and Vard. Fine in Sweden and the northern parts of Norway.
Rain fell yesterday at several of our own stations and also in the neighbouring parts of the Continent;—heavily at Wiesbaden.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone off the southwest of Ireland is advancing eastwards, and fine weather is likely to continue for a time over our eastern and southern districts. In the west and north the wind will probably back to the SW., with a renewal of unsettled weather.

FORECASTS

For the 24 hours ending at NOON on 17TH MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to SW. winds, moderate or fresh; changeable, some showers.
1	SCOTLAND EAST	NW. to W. winds, light; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	N. to NW. winds, light; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W. to SW. winds, light; fine at first, showery later.
7	ENGLAND N.W.	Same as Nos 1 and 2.
8	ENGLAND S.W.	N. winds, backing later, fair generally.
9	IRELAND NORTH	NW. to W. or SW. winds; fine at first, some rain later.
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	47	46	2	0	r	2
Sumburgh Head							
Stornoway	29.78	43	41	N	5	o hrsp	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.92	45	45	NNW	5	c	4
Belmullet	30.07	47	40	NNW	3	b	*
Holyhead							
Valencia							
Scilly							
Jersey	29.93	53	51	S	5	0	4
Hurst Castle ...							
Dungeness ...	29.84	51	50	ENE	2	0	1
North Foreland	29.87	50	48	NE	2	0	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.99	63	59	NW	5	be	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 8TH TO THE 14TH MAY 1898.

The most important features of pressure distribution during this week have been as follow:—

(1). High-pressure areas lying both over southwestern and northeastern Europe, while depressions appeared both over the northwestern countries, and the Mediterranean, thus occasioning SW¼ winds and showery weather over the northwestern districts, and NE¼ to NW¼ winds and more or less rain over the Mediterranean

(2) After Wednesday the northeastern high-pressure system gave way, the northwestern depressions became much deeper than those previously experienced, and secondary disturbances appeared over the southern parts of the British Isles and Central Europe, causing still more changeable, unsettled weather in those regions and in the south of France, while over the southern parts of the Mediterranean the weather cleared up considerably.

At the close of the week showers were again general over our southern counties, but over the northern parts of the Kingdom an improvement was in progress. Temperature, however, was falling over 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.

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 17th May 1898.

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	37	2	0	b	30·04	−·21	48	45	+ 5	S	4	bc	#	b	#	50	28	—
	Hernösand ...	29·94	43	S	4	r	29·85	−·34	44	42	− 1	S	6	0	#	r	#	48	30	0·43
	Stockholm ...	29·93	48	SE	4	b	30·06	−·02	51	45	− 2	S	2	b	#	b	#	57	43	0·04
	Wisby	30·01	50	S	4	b	30·14	+·08	45	43	− 8	WSW	4	b	#	b	#	59	41	—
	Karlstad ...	29·76	47	S	4	r	29·94	+·01	45	40	− 2	SW	6	b	#	r	#	#	#	0·20
	Bodö	29·90	52	ESE	4	c	29·69	−·25	51	44	− 1	E	4	0	1	c	#	55	37	—
	Christiansund ...	29·89	42	N	2	r	29·84	−·02	43	40	− 2	W	4	r	4	r	#	45	39	0·24
	Skudesnaes ...	29·95	44	W	6	c	30·02	+·13	42	41	− 3	WNW	6	c	3	c	#	46	36	#
	Færder (Christiania Fjord)	29·78	45	WSW	3	c	30·01	+·08	46	42	0	SW	6	b	4	c	#	46	41	0·20
	Skagen (The Scaw)	29·92	45	WSW	3	c	30·10	+·19	46	42	− 2	W	4	bc	1	c	#	52	41	0·12
	Fanö	30·09	44	WNW	4	c	30·19	+·33	45	40	− 1	W	2	bc	#	c	#	50	45	0·35
	Sumburgh Head	29·96	41	NW	3	bc	30·04	+·20	40	36	+ 1	N	1	·0	3	c,bc	#	46	33	0·11
	Stornoway ...	30·07	46	W	3	c	29·95	−·09	41	40	− 2	SSE	4	r	4	c	6·7	47	36	0·15
	Wick	30·05	40	NW	3	bc	30·03	+·06	47	43	+ 3	S	2	c	2	hp,bc	#	47	33	0·02
	Nairn	30·10	46	W	2	c	30·02	−·04	45	42	+ 3	WNW	1	bc	0	c	#	50	36	—
	Aberdeen ...	30·10	47	NW	2	bc	30·07	+·02	48	44	+ 3	SE	2	bc	1	hrp,bcq	12·4	50	35	0·02
	Leith	? 30·11	48	SE	3	bc	30·06	−·03	45	41	0	WSW	1	0	#	bc	#	55	37	0·01
	Shields	30·14	44	NNE	2	c	30·11	+·02	46	42	+ 3	WSW	2	c	2	op,c	#	48	36	0·01
	Spurn Head ...	30·18	46	SSE	3	cv	30·15	+·10	50	44	+ 3	SW	3	bc	3	c,cv	#	50	42	—
	York	30·17	50	W	1	bc	30·15	+·03	48	44	+ 3	SW	1	c	#	b,p,bc	10·6	54	38	0·03
	Loughborough ...	30·19	54	WNW	4	b	30·19	+·06	50	44	+ 3	W	2	cw	#	bc,c,bc	#	58	37	—
British Islands.	Ardrossan ...	30·13	50	W	4	b	30·01	−·10	43	43	− 5	S	5	rw	4	b	#	53	42	0·10
	Malin Head ...	30·18	45	NNW	5	c	29·96	−·17	49	49	+ 5	W	5	rw	4	bc,c	#	49	42	0·22
	Belmullet ...	30·27	49	WNW	3	o	30·13	−·12	50	49	+ 3	NW	4	o	#	cp,o	#	53	43	0·10
	Donaghadee ...	30·22	47	W	3	cp	30·05	−·12	44	43	− 4	SW	5	r	3	cp	#	53	40	0·13
	Liverpool (Bidston)	30·23	48	WNW	3	c	30·16	−·02	49	43	+ 2	WSW	1	o	2	c	#	50	42	—
	Holyhead ...	30·24	49	WSW	2	bc	30·15	−·05	46	44	− 4	SW	3	2w	2	bc	#	54	43	0·02
	Parsonstown ...	30·26	48	NW	1	r	30·13	−·13	50	49	+ 3	NW	1	or	#	bc,r	7·5	54	41	0·09
	Valencia ...	30·34	50	NW	2	c	30·24	−·08	52	48	+ 3	WNW	4	og	4	bc,c	11·0	52	43	0·04
	Roche's Point ..	30·31	52	NW	4	bc	30·22	−·09	51	49	+ 4	W	3	o	3	bc	#	54	44	—
	Pembroke (St. Ann's Hd.)	30·25	49	NW	4	c	30·21	−·02	49	45	+ 1	WSW	4	o	3	c	12·2	50	46	—
	Scilly	30·31	50	NNW	4	bc	30·26	+·03	52	47	+ 3	NW	3	b	1	c,bc	13·2	53	45	—
	Prawle Point ...	30·23	50	NNW	2	bc	30·26	+·08	50	47	− 1	SSW	2	b	1	bc	#	54	40	—
	Jersey (St. Aubin's)	30·22	53	NW	4	b	30·24	+·11	53	49	0	NNE	3	bw	3	b	#	54	46	—
	Hurst Castle ...	30·18	54	NNE	2	cw	30·23	+·10	50	45	0	2	0	bw	0	bc,cw	#	58	38	—
	Dungeness ...	30·16	50	ENE	4	b	30·21	+·15	50	48	+ 4	NNE	2	b	1	b	#	55	36	—
	North Foreland	30·20	48	NE	2	b	30·23	+·16	48	45	+ 2	WNW	2	b	2	b	#	52	38	—
	London (Brixton) ...	30·18	55	NNW	2	b	30·23	+·12	49	45	+ 3	SW	1	b	#	bc,c,bw	9·5	57	37	—
	Oxford	30·24	47	N	2	b	30·22	+·08	50	45	+ 4	S	1	bc	#	b	#	58	35	—
	Cambridge ...	30·19	52	N	1	o	30·22	+·10	49	44	+ 2	NNW	2	b	#	b,op	11·3	57	34	—
	Yarmouth ...	30·16	50	NNE	3	b	30·19	+·16	48	44	+ 1	WNW	1	b	2	bc,b	#	51	44	—
Germany & Holland.	Cuxhaven ...	30·08	50	W	2	o	30·21	+·36	46	46	− 4	N	2	bc	#	o	#	54	45	0·04
	Berlin	30·08	57	WNW	2	c	30·16	+·17	48	46	− 10	NW	3	r	#	c	#	64	46	0·08
	Wiesbaden ...	#	#	#	#	#	30·07	+·03	53	49	+ 1	N	1	o	#	#	#	61	45	0·16
	Munich... ..	30·08	55	E	2	c	30·04	−·11	53	52	− 7	NE	3	bc	#	c	#	66	50	0·51
	The Helder ...	30·14	47	NNE	2	bc	30·21	+·24	48	42	− 3	2	0	b	1	bc	#	54	43	—
France & Belgium.	Brussels ...	#	#	#	#	#	30·21	+·16	45	41	− 9	NNE	4	c	#	o	#	60	38	—
	Cape Gris Nez...	?	50	E	3	bc	?	?	48	44	0	ENE	1	bc	1	bc	#	54	39	—
	Paris	30·12	52	NNE	4	bc	30·16	+·10	44	43	− 9	N	3	bc	#	bc	#	62	41	—
	Brest	30·24	51	NE	3	b	30·32	+·18	45	40	− 6	NNE	1	b	1	b	#	55	37	—
	Lorient... ...	30·19	53	NE	4	bc	30·25	+·15	45	43	− 4	NNE	4	b	4	bc	#	59	43	—
	Rochefort ...	30·09	59	NW	4	c	30·10	+·06	47	46	− 9	NNE	4	b	#	c	#	66	45	—
	Belfort	30·04	54	WNW	1	r	29·98	−·08	50	49	− 3	E	1	o	#	r	#	64	50	0·08
	Lyons	30·09	52	N	1	r	30·00	−·09	52	51	− 3	N	2	o	#	fbr	#	71	50	0·16
	Nice	29·99	60	SW	2	b	29·93	−·17	54	51	− 4	E	1	o	2	b	#	66	50	—
	Perpignan ...	30·01	61	E	4	b	29·95	−·18	61	54	+ 4	NW	3	o	#	b	#	70	52	—
	Biarritz ...	30·04	57	NNW	4	o	30·01	−·01	52	50	− 6	W	5	r	2	o	#	61	50	0·04
Penin-sula.	Corunna ...																#			
	Lisbon ... ... †	29·95	58	NNW	5	b	29·89	−·13	64	55	+ 4	NNE	4	b	#	b	#	70	54	—
	Azores (P. Delgada)	30·25	61	NE	2	o	30·23	+·04	64	59	+ 3	NNE	1	b	2	o	#	66	59	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 12·5 hrs;

WEATHER CHARTS

FOR Tuesday, 17th May, 1898

BAROMETER, WIND AND SEA.

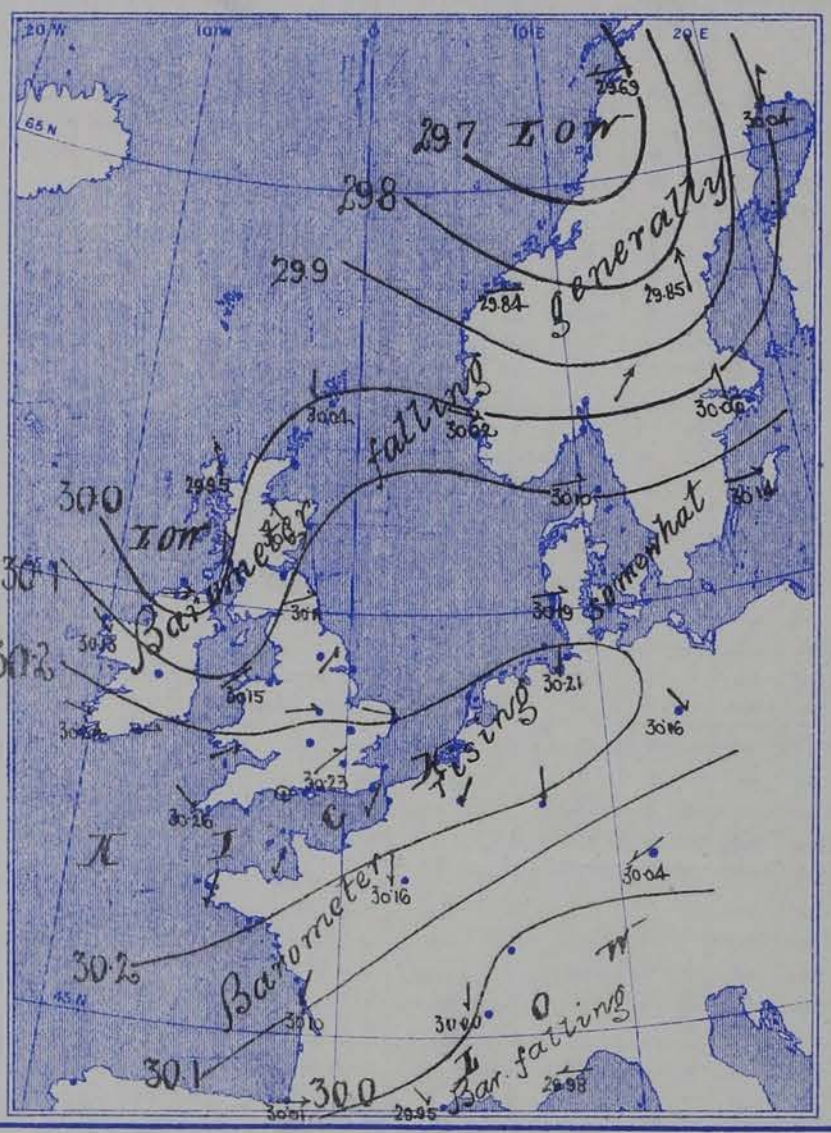
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

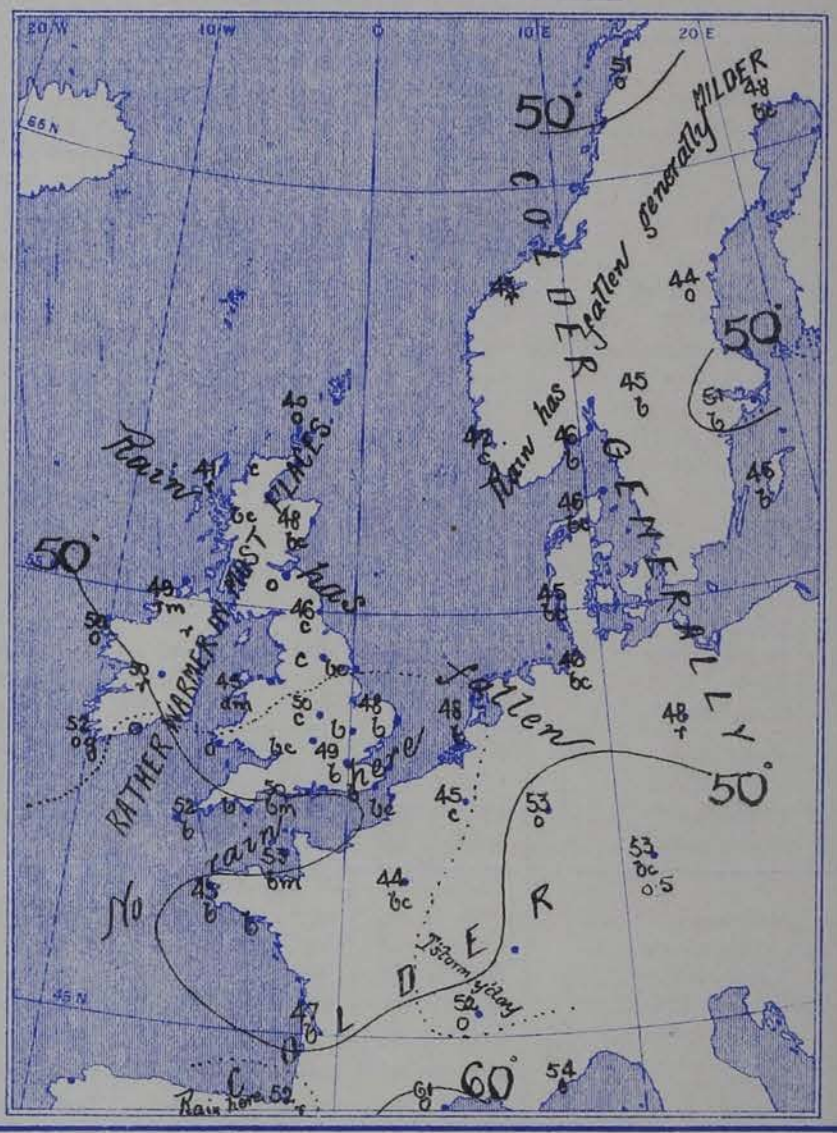


TEMPERATURE & WEATHER.

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 a narrow band stretching from the Atlantic over the S. of our Islands, the Netherlands and the N. of France.
Lowest 29.7 ins. and less in a depression lying off the N^rn. parts of the Norwegian coasts; 30.0 ins. and less in another disturbance off the W. of Scotland, and also over the S^rn. parts of France.
Gradients slight generally, but moderate over the northern parts of Scandinavia.
Barometer falling in our Islands, and also in the N. of Scandinavia & the S. of France, but rising elsewhere.

TEMPERATURE

Highest 61° at Perpignan, 54° at Nice, 53° at Jersey, Wiesbaden and Munich, and 52° at Valencia (Ireland) and Scilly.
Lowest (1) 40° at Edinburgh Kt., 41° at Sternoway, and 42° at Skudesnaes, (2) 44° at Paris, and 45° at Brest, Lorient and Brussels.
Ground frost occurred last night at some of our inland stations; in London and at Loughborough the thermometer on the grass fell to 30°.

WIND

Moderate to fresh from the W^rn. or NW^rn. in Ireland; light from the SW^rn. over England and from the S^rn. or SE^rn. in Scotland.
W^ly. on the eastern shores of the North Sea and strong in force in the S. of Norway, S^ly. in Sweden. E^ly. or NE^ly. in Germany; N^ly. over the greater part of France, but W^ly. in the extreme south of that country.

WEATHER

Rainy in the west of Scotland and the N^rn. and central parts of Ireland and dull in the S. of Ireland. Fair or fine in most other parts of W^rn. Europe, but dull in the S. of France, with rain at Biarritz. Rain was falling also at Berlin and Christiansund.
Since yesterday morning slight rain has fallen at most of our own W^rn. and N^rn. stations, and larger quantities in some parts of Scandinavia, Denmark & Germany. A thunderstorm occurred at Lyons in the afternoon.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland seems likely to move eastwards and to occasion rain in most parts of the United Kingdom. In its rear the winds will probably shift to the NW^rn., with colder weather over England.

FORECASTS

For the 24 hours ending at NOON on 18TH MAY. **1898**

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE^ly. winds, shifting later to the N^rn. or NW^rn.; unsettled, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^ly. to W^ly. winds, moderate, fair at first, some rain later.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	SW^ly. to NW^ly. winds, fresh, dull and rainy at first, some improvement later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W^ly. to NW^ly. winds, moderate, fine at first, then cloudy and showery.
9	IRELAND NORTH	NW^ly. to N^ly. winds, fresh, cloudy, showery.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.93	46		NW	4	o	
Sumburgh Head	29.91	45	42	NW	4	c	4
Stornoway	30.09	47	43	NW	4	c	4
Aberdeen	30.08	47	39	WNW	4	bca	2
Shields	30.14	45	41	SE	2	op	3
Ardrossan	30.12	52	48	W	4	b	3
Malin Head ...	30.18	44	44	WNW	5	bc	4
Belmullet	30.29	47	43	NW	3	cp	*
Holyhead	30.24	53	48	WNW	2	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.35	50	44	NW	4	bc	4
Scilly	30.28	52	47	NNW	4	c	2
Jersey	30.21	53	47	NW	4	b	3
Hurst Castle ...	30.17	58	54	NNE	3	bc	2
Dungeness ...	30.13	54	?	NNE	4	b	3
North Foreland	30.16	52	47	NNE	2	b	2
London (Westminster)	30.15	55	44	NNW	3	c	*
Yarmouth ...	30.13	51	45	N	4	bc	3
Rochefort ...	30.02	67	63	W	3	c	*

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

Continental information not yet received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 18th May, 1898.

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 ...	29.98	38	S	2	bc	30.09	+.05	44	39	+ 4	nnw	2	bc	*	bc	*	50	36	0.16
	Hernösand ...	30.13	44	E	0	b	30.31	+.46	46	40	+ 2	w	3	b	*	b	*	55	37	–
	Stockholm ...	30.23	48	S	2	b	30.31	+.25	50	45	– 1	nw	2	o	*	b	*	59	45	–
	Wisby	30.24	45	w	4	c	30.25	+.11	49	44	+ 4	ne	4	c	*	c	*	49	41	–
	Karlstad ...	30.20	46	sw	2	b	30.32	+.33	45	41	0	nnw	2	b	*	b	*	*	*	–
	Bodö	29.93	43	nnw	6	r	30.12	+.43	41	39	– 10	sw	6	o	3	r	*	52	36	0.55
	Christiansund ...	30.19	42	w	7	c	30.33	+.49	42	38	– 1	w	4	c	3	c	*	43	39	0.20
	Skudesnaes ...	30.28	44	E	0	b	30.36	+.34	46	43	+ 4	E	0	b	0	c,b	*	46	36	*
	Færder (Christiania Fjord)	30.18	46	sw	4	b	30.33	+.32	45	40	– 1	nne	4	b	2	b	*	48	43	–
	Skagen (The Scaw)	30.26	43	w	1	b	30.32	+.22	45	44	– 1	se	1	b	0	b	*	52	37	–
	Fanö	30.26	43	E	0	b	30.32	+.13	43	41	– 2	n	3	b	*	b	*	50	37	–
BRITISH ISLANDS.	Sumburgh Head	30.19	43	ESE	1	o	30.31	+.27	47	45	+ 7	SSW	1	b	3	o	*	47	37	–
	Stornoway ...	30.14	52	E	4	b	30.29	+.34	49	46	+ 8	w	3	bc	3	b	0.6	52	36	0.03
	Wick	30.21	44	S	3	b	30.28	+.25	53	52	+ 6	sw	1	b	0	b	*	62	32	–
	Nairn	30.15	51	ENE	2	b	30.33	+.31	50	46	+ 5	w	1	b	1	b	*	53	31	–
	Aberdeen ...	30.18	46	SSE	2	b	30.36	+.29	50	45	+ 2	S	2	bw	1	b	14.0	51	34	–
	Leith	30.14	48	ENE	3	bc	30.35	+.29	50	46	+ 5	E	1	bc	*	bc	*	50	30	0.14
	Shields	30.14	47	SSE	2	o	30.36	+.25	46	46	0	n	1	cp	2	om,p	*	52	38	–
	Spurn Head ...	30.10	49	SE	4	o	30.30	+.15	50	46	0	E	4	b	4	o	*	53	46	–
	York	30.10	45	SSE	1	r	30.33	+.18	51	47	+ 3	E	1	b	*	c.or	2.3	52	38	0.08
	Loughborough ...	30.09	47	SE	1	r	30.29	+.10	50	46	0	E	3	bcw	*	c,or,b	*	55	39	0.23
	Ardrossan ...	30.11	49	NE	3	om	30.34	+.33	48	46	+ 5	n	2	bf	2	om	*	49	38	0.08
	Malin Head ...	30.09	50	nnw	5	c	30.30	+.34	50	49	+ 1	ESE	2	bm	1	bc.c	*	52	44	–
	Belmullet ...	30.20	53	nnw	3	o	30.30	+.17	53	49	+ 3	E	1	bc	*	o	*	53	46	0.02
	Donaghadee ...	30.10	51	n	5	cp	30.33	+.28	50	46	+ 6	E	5	bc	3	cp	*	55	42	0.13
	Liverpool (Bidston)	30.03	48	nw	1	r	30.31	+.15	49	45	0	ENE	2	m	?	r	*	49	41	0.51
	Holyhead ...	30.06	49	nnw	3	bc	30.28	+.13	51	48	+ 6	ENE	3	f	2	rmbc	*	51	43	0.32
	Parsonstown ...	30.12	53	nw	1	c	30.27	+.14	49	46	– 1	SE	1	o	*	o,c,r	1.1	56	42	0.05
	Valencia ...	30.22	53	nw	4	c	30.26	+.02	51	46	– 1	NE	3	o	3	o,c	1.8	54	48	–
	Roche's Point ..	30.15	53	nw	4	c	30.25	+.03	50	47	– 1	NNE	3	c	3	c	*	54	45	–
	Pembroke (St. Ann's Hd.)	30.07	50	nw	3	o	30.21	.00	50	46	+ 1	ESE	5	b	3	o	0.1	51	45	0.24
	Scilly	30.13	51	nnw	3	o,m	30.08	–.18	51	48	– 1	NNE	5	cm	2	cmp	4.2	54	47	0.01
	Prawle Point ...	30.11	51	sw	3	c	30.13	–.13	49	47	– 1	E	5	bc	4	c,rl	*	53	45	0.12
	Jersey (St. Aubin's)	30.16	52	w	3	bcm	30.09	–.15	54	49	+ 1	ENE	4	bm	3	bcm	*	56	49	–
	Hurst Castle ...	30.12	51	WSW	3	r	30.16	–.07	52	48	+ 2	ENE	4	bm	3	c,r	*	57	46	0.10
	Dungeness ...	30.13	52	SSW	1	c	30.15	–.06	52	50	+ 2	ENE	5	c	4	c	*	54	48	–
	North Foreland	30.17	49	SE	2	o	30.21	–.02	51	47	+ 3	NE	4	b	4	bc,o	*	52	47	–
	London (Brixton) ...	30.10	53	sw	2	o	30.22	–.01	52	46	+ 3	NE	2	bc	*	o,p	3.1	59	41	–
	Oxford	30.10	47	w	0	r	30.25	+.03	51	46	+ 1	ENE	3	b	*	c,r	*	56	41	0.23
	Cambridge ...	30.11	54	S	2	o,m	30.28	+.06	50	46	+ 1	ENE	3	bw	*	c,om	5.0	56	35	–
	Yarmouth ...	30.14	48	SSE	4	cq	30.25	+.06	49	46	+ 1	ENE	5	bc	4	c	*	51	45	–
GERMANY & HOLLAND.	Cuxhaven ...	30.19	50	NE	3	c	30.26	+.05	46	45	0	NE	4	c	*	c	*	52	43	–
	Berlin	30.10	42	NNE	5	o	30.07	–.09	47	44	– 1	NNE	4	o	*	o	*	54	45	0.16
	Wiesbaden ...	*	*	*	*	*	30.01	–.06	49	46	– 4	n	3	o	*	*	*	54	48	–
	Munich	29.93	53	w	5	r	29.94	–.10	50	50	– 3	nw	1	o	*	r	*	66	48	0.39
	The Helder ...	30.18	49	NE	3	b	30.23	+.02	50	45	+ 2	ENE	5	b	3	b	*	52	46	–
BELGIUM.	Brussels ...	*	*	*	*	*	30.13	–.08	48	43	+ 3	ENE	5	bc	*	bc	*	57	40	–
	Cape Gris Nez ...	?	49	ENE	1	c	?	?	51	46	+ 3	E	4	bc	4	c	*	55	44	–
	Paris	30.09	54	NE	2	bc	30.02	–.14	46	44	+ 2	NNE	3	bc	*	bc	*	59	41	–
	Brest	30.18	52	NW	2	c	30.01	–.31	48	47	+ 3	NE	1	c	1	c	*	54	43	0.12
	Lorient	30.14	56	?	4	bc	30.02	–.23	46	43	+ 1	E	3	r	2	bc	*	64	45	0.28
FRANCE &	Rochefort ...	30.09	61	NNE	4	bc	29.99	–.11	49	47	+ 2	ENE	3	bc	*	bc	*	66	43	–
	Belfort	29.95	49	E	4	r	29.87	–.11	47	46	– 3	ENE	4	m	*	r	*	58	45	0.12
	Lyons	29.95	55	n	2	o	29.86	–.14	48	47	– 4	NNW	2	m	*	o	*	61	48	–
	Nice	29.84	59	W	0	b	29.76	–.17	59	54	+ 5	NE	1	c	3	b	*	68	50	–
	Perpignan ...	29.89	57	nw	4	o	29.82	–.13	50	47	– 11	nw	1	r	*	o	*	69	48	0.20
	Biarritz ...	30.02	66	NNW	4	o	29.94	–.07	49	47	– 3	nw	4	r	4	o	*	55	46	0.55
PENINSULA.	Corunna ...																*			
	Lisbon	29.88	62	n	5	b	29.94	+.05	58	56	– 6	NNE	5	b	*	b	*	75	57	–
	Azores (P. Delgada)	30.30	61	ESE	1	b	30.29	+.06	63	60	– 1	NE	1	c	2	b	*	68	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*

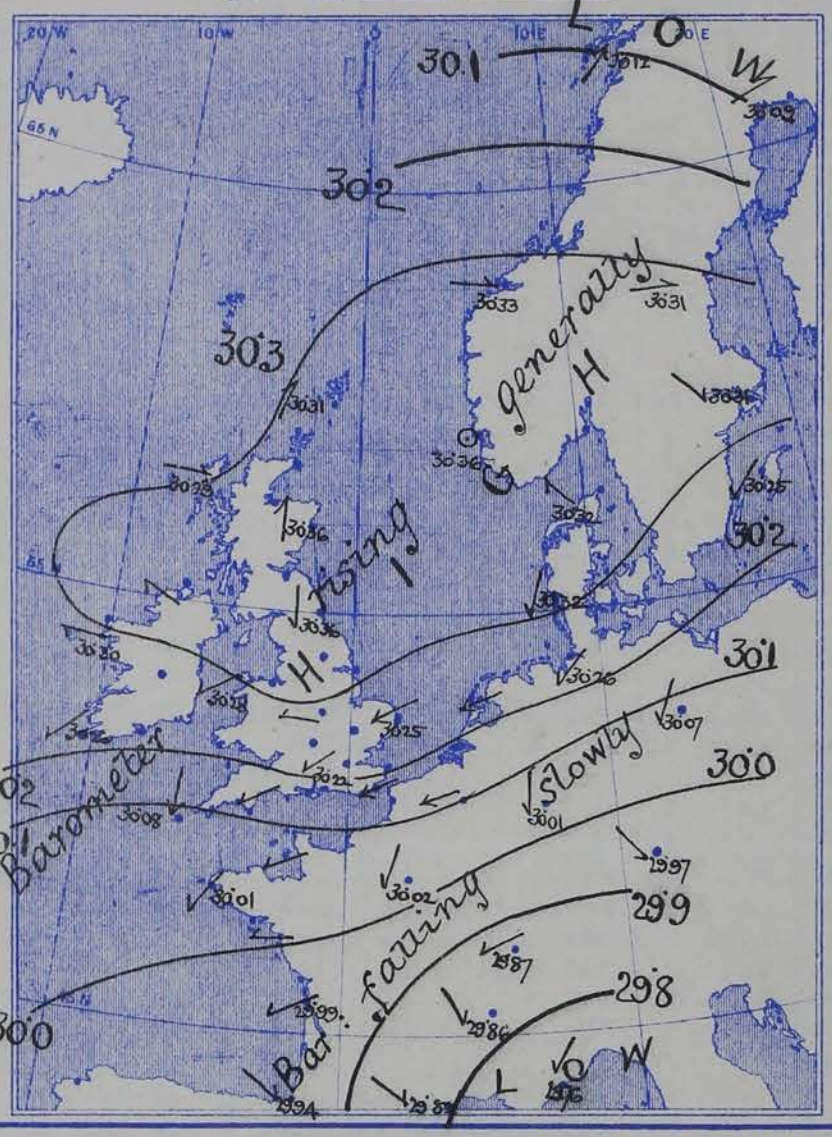
Bright Sunshine yesterday Southport... 0.2 hrs;

WEATHER CHARTS

FOR Wednesday, 18th May, 1898

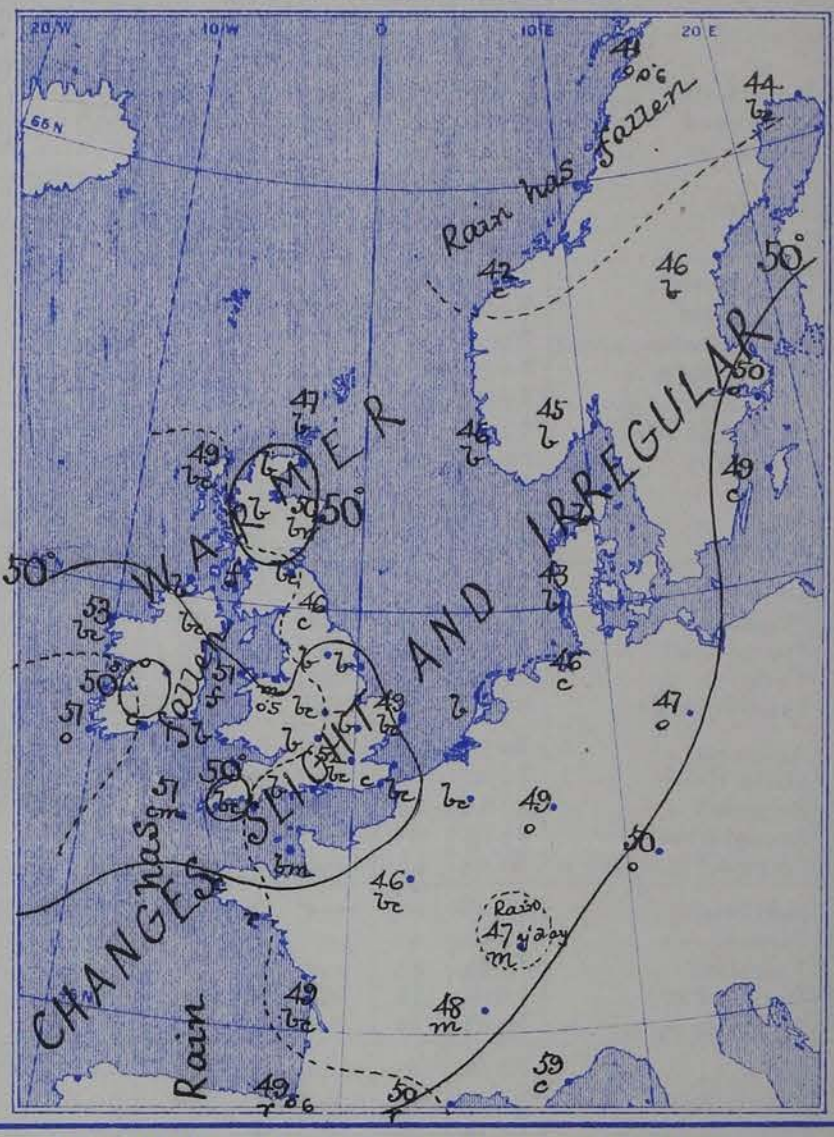
BAROMETER, WIND AND SEA.

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 upwards, in an anticyclone extending from Denmark and the south of Scandinavia over all the more northern parts of the United Kingdom.
Lowest, 29·8 in: and less, in a depression over the south of France.
Gradients moderate over Germany, the Netherlands, and the south of our Islands, but slight elsewhere.
Barometer rising at all but the French stations.

TEMPERATURE

Highest, (1) 59° at Nice and 58° at Lisbon; (2) 54° at Jersey, and 52° in London, and at Hurst Castle and Dungeness; (3) 53° at Wick and Belmullet.
Lowest, 41° at Bodö, 42° at Christiansund, 43° at Fanö, and 44° at Haparanda; lowest in our Islands 46° at Shields.
Frost occurred in Scotland last night; at Leith the sheltered thermometer fell to 30° and at Nairn to 31°.

WIND

E$^{\frac{1}{4}}$ or NE$^{\frac{1}{4}}$ over the greater part of Western Europe, and fresh in force on several parts of the English coast, as well as in the Netherlands
NW$^{\frac{1}{4}}$ in the south of France; SW$^{\frac{1}{4}}$ in the north of Scandinavia

WEATHER

Fine over north-western Europe generally, but dull in the south of Ireland, and foggy at Arderosan and Holyhead.
Cloudy or dull in Germany and the west and south of France, with rain at Lorient, Biarritz, and Perpignan.
Rain fell yesterday in many parts of our Islands, France, and Germany, and also in the north of Scandinavia.

SEA

Moderate on our eastern and southern coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday morning off the west of Scotland advanced southeastwards over England later in the day, but has now entirely dispersed, while an anticyclone has been formed over our Islands and the northern parts of the Continent. Fair dry weather is therefore likely to continue for a time in most districts, but the depression over the south of France appears to be spreading northwards, so that increasing winds from the E$^{\frac{1}{4}}$ or NE$^{\frac{1}{4}}$ are probable on our southern coasts.

FORECASTS

For the 24 hours ending at NOON on 19$^{\frac{TH}{11}}$ MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW$^{\frac{1}{4}}$ winds, light; fair generally.
1	SCOTLAND EAST	Light variable airs; fair generally, warmer.
2	ENGLAND N.E.	E$^{\frac{1}{4}}$ and NE$^{\frac{1}{4}}$ winds, light or moderate; fine generally.
3	ENGLAND EAST	Same as N°5.
4	MIDLAND COUNTIES	Same as N°2
5	ENGLAND SOUTH	E$^{\frac{1}{4}}$ and NE$^{\frac{1}{4}}$ winds, strong on coast; fair generally.
6	SCOTLAND WEST	Same as N°2
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as N°5.
9	IRELAND NORTH	NE$^{\frac{1}{4}}$ winds, light or moderate; fair generally.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·19	44	42	SSE	2	c	3
Sumburgh Head	30·13	43	40	E	1	0	3
Stornoway	30·05	51	47	E	4	b	4
Aberdeen	30·11	50	44	SE	3	b	2
Shields	30·09	47	45	E	2	om	2
Ardrossan	30·02	45	44	NE	3	om	2
Malin Head ...	30·04	50	49	NNW	6	bc	4
Belmullet	30·07	51	50	NNW	3	0	*
Holyhead	30·03	49	48	Sw	4	rm	3
Valencia	30·23	52	49	NW	4	0	4
Scilly	30·19	52	51	W	3	cpm	1
Jersey	30·21	56	49	NNW	3	bc	3
Hurst Castle ...	30·17	55	48	Sw	3	c	2
Dungeness ...	30·17	51	48	SSE	1	c	1
North Foreland	30·18	52	47	SE	2	bc	2
London (Westminster)	30·14	57	49	Sw	2	0	*
Yarmouth ...	30·16	49	46	SSE	4	c	4
Rochefort ...	30·11	63	52	NE	4	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

FOR THE 24 HOURS ENDED AT 8 AM. ON MAY 17TH 1898.

Weather in morning fine over the greater part of our Islands and the Continent, but showers of hail or rain reported on our own extreme north and northwest coasts. Dull over Denmark, North Germany, and the south of Scandinavia, with rain at Jano and Skudesnaes. Rain falling later at many of our own western and northern stations, as well as in Scandinavia, Germany, and Central France.

Temperature fallen in our Islands, but risen in most of the Continental countries. Morning readings highest 72° at La Calle, 70° at Katras, 68° at Athens, and 65° at Odessa; above 60° in many parts of southern and eastern Europe. Lowest 39° at Sumburgh Head, 42° at Nairn, and 43° at Stornoway and Shields, as well as at Haparanda. Daily maxima below 50° on several parts of our northern coasts, and below 55° at all but a few of our central and southern stations. Temperature exceeding 65° in many parts of France and Germany, and reaching 71° at Lyons. Ground frost occurring over Great Britain at night.

Wind light to moderate from the NW^ds over the greater part of our Islands, but N^ly at the English Channel stations. Calm or variable over France, Italy, and Austria; S^ly or SE^ly over Eastern Germany, the Baltic, Finland, and the south of Scandinavia; E^ly over the north of Scandinavia. Subsequently backing to the W^ds in the extreme northwest of our Islands, and shifting to the same quarter in Denmark and the south of Norway.

Barometer highest 30·3 ins: and upwards in an anticyclone extending from the Atlantic over the south of Ireland and also in another system over the north of Russia. Lowest 29·9 ins: and less, in three shallow depressions, one lying over and to the westward of Norway, another Denmark and North Germany, and third near Breidivi; 30·0 ins: and less, in another shallow system over the extreme south of Russia. Depressions over Norway and Denmark moving northwards later; new disturbance beginning to approach our own extreme northwest coasts.

The Continental Information for yesterday has not arrived.

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 Thursday, 19th May, 1898.

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 ...	30·14	35	SW	2	b	30·24	+·15	42	39	- 2	NW	4	b	*	b	*	48	32	-
	Hernösand ...	30·35	45	W	0	b	30·43	+·12	51	42	+ 5	NW	4	bc	*	b	*	57	32	-
	Stockholm ...	30·35	48	NNE	2	b	30·41	+·10	52	43	+ 2	E	4	b	*	b	*	59	41	-
	Wisby	30·26	44	ENE	4	b	30·28	+·03	54	45	+ 5	ENE	6	b	*	b	*	55	41	-
	Karlstad ...	30·32	53	NNW	1	b	30·41	+·09	51	444	+ 6	ENE	2	b	*	b	*	*	*	-
	Bodö	30·11	40	N	6	o	30·43	+·31	39	34	- 2	NW	4	b	2	o	*	44	32	-
	Christiansund ...	30·36	46	N	3	o	30·46	+·13	48	43	+ 6	WSW	2	o	3	o	*	50	42	-
	Skudesnaes ...	30·41	46	NNW	6	b	30·38	+·02	49	46	+ 3	NNE	3	b	1	b	*	52	39	*
	Færder (Christiania Fjord)	30·33	51	W	1	b	30·40	+·07	49	42	+ 4	NNE	4	b	2	b	*	52	45	-
	Skagen (The Scaw)	30·32	49	NNE	1	b	30·34	+·02	50	46	+ 5	ENE	1	b	0	b	*	55	41	-
	Fanö	30·26	50	NE	1	b	30·20	-·12	50	45	+ 7	NE	4	c	*	b	*	66	43	-
	Sumburgh Head	30·36	49	SW	1	c	30·37	+·06	50	48	+ 3	NE	1	b	3	bc.c	*	53	39	-
	Stornoway ...	30·30	52	S	4	b	30·26	-·03	50	49	+ 1	W	0	b	0	b	12·3	54	37	-
	Wick	30·36	50	S	2	b	30·34	+·06	50	46	- 3	S	2	b	1	b	*	59	39	-
	Nairn	30·31	60	E	1	b	30·31	-·02	52	50	+ 2	E	1	b	0	b	*	62	344	-
	Aberdeen ...	30·38	48	SE	2	b	30·36	·00	49	46	- 1	E	2	bcw	1	b	15·3	53	344	-
British Islands.	Leith	30·32	54	E	1	b	30·31	-·04	50	46	0	ENE	1	c	*	b	*	55	37	-
	Shields	30·37	48	E	2	bc	30·28	-·08	47	43	+ 1	NE	4	c	3	bc	*	52	42	-
	Spurn Head ...	30·29	48	E	4	bc	30·08	-·22	47	45	- 3	NNE	5	o	5	bc	*	53	43	-
	York	30·33	52	ESE	2	b	30·19	-·14	50	44	- 1	NNE	3	b	*	b	13·7	57	36	-
	Loughborough ...	30·28	52	ENE	4	b	30·11	-·18	48	45	- 2	NE	5	cqw	*	bc.bq.c	*	56	38	-
	Ardrossan ...	30·30	58	N	2	bm	30·28	-·06	49	46	+ 1	NE	4	bf	2	bm	*	59	40	-
	Malin Head ...	30·28	53	ESE	4	bm	30·22	-·08	51	50	+ 1	ESE	5	bcm	2	b,bm	*	53	47	-
	Belmullet ...	30·30	57	NNW	1	bc	30·23	-·07	53	47	0	WSW	1	c	*	o,bc	*	58	42	-
	Donaghadee ...	30·32	53	NNE	3	b	30·27	-·06	49	45	- 1	E	5	bc	3	b	*	56	44	-
	Liverpool (Bidston)	30·28	54	ENE	3	b	30·19	-·12	47	42	- 2	NE	2	b	3	bm	*	57	38	-
	Holyhead ...	30·27	52	NE	3	b	30·19	-·09	52	43	+ 1	NE	5	c	3	b	*	57	41	-
	Parsonstown ...	30·26	60	W	0	b	30·19	-·08	51	46	+ 2	E	1	b	*	b	6·8	60	37	-
	Valencia ...	30·26	55	W	0	om	30·16	-·10	51	47	0	W	0	bm	1	o,om	1·3	57	37	-
	Roche's Point ..	30·28	55	SE	2	b	30·16	-·09	52	48	+ 2	NE	2	b	2	b	*	56	44	-
	Pembroke (St. Ann's Hd.)	30·20	50	NE	4	c	30·09	-·12	45	41	- 5	E	4	b	3	b,c	10·5	55	39	-
	Scilly	30·14	55	NE	1	bc	30·01	-·07	54	48	+ 3	NE	5	c	2	c.bc	8·2	57	47	-
	Prawle Point ...	30·12	52	NE	4	bc	29·95	-·18	46	43	- 3	NNE	6	c	5	bc	*	54	41	-
	Jersey (St. Aubin's)	30·03	54	NE	7	em	29·83	-·26	48	46	- 6	NE	6	om	5	bm.cm	*	59	47	-
	Hurst Castle ...	30·11	54	ENE	5	bm	29·90	-·26	47	45	- 5	NNE	4	og	3	bc,bm	*	57	42	-
	Dungeness ...	30·05	50	NE	6	bc	29·80	-·35	49	48	- 3	NE	8	ogj	4	bc	*	54	46	-
	North Foreland	30·15	48	NE	6	b	29·87	-·34	47	47	- 4	NE	6	o	6	b	*	52	45	-
	London (Brixton) ...	30·17	52	ENE	3	c	29·93	-·29	46	45	- 6	NE	3	ogq	*	bc.b	11·2	59	40	-
	Oxford	30·23	45	NE	3	b	30·01	-·24	45	43	- 6	NNE	4	ogj	*	b	*	56	37	-
	Cambridge ...	30·24	52	NE	4	b	30·01	-·27	48	46	- 2	NNE	4	o	*	b	13·6	57	36	-
	Yarmouth ...	30·21	48	NE	6	b	29·98	-·27	48	46	- 1	NE	7	ogq	5	b	*	51	44	0·01
Germany & Holland.	Cuxhaven ...	30·19	52	NE	4	o	30·06	-·20	52	51	+ 6	E	6	c	*	o	*	54	46	0·08
	Berlin	30·03	51	N	5	o	29·99	-·08	49	48	+ 2	NE	3	r	*	o	*	57	46	0·04
	Wiesbaden ...	*	*	*	*	*	29·77	-·24	58	54	+ 9	N	4	o	*	*	*	52	47	0·04
	Munich... ..	29·80	57	NE	4	b	29·69	-·25	62	56	+ 12	SE	5	b	*	b	*	62	48	-
	The Helder ...	30·15	48	NE	6	bc	29·94	-·29	52	48	+ 2	ENE	6	o	4	bc	*	52	48	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·80	-·33	46	45	- 2	NE	5	o	*	o	*	54	42	-
	Cape Gris Nez...	?	48	NE	5	o	?	?	49	47	- 2	E	6	o	6	bc	*	57	41	-
	Paris	29·91	50	NE	5	o	29·73	-·29	45	45	- 1	NNE	3	r	*	o	*	53	41	0·24
	Brest	30·02	50	ENE	4	b	29·89	-·12	46	44	- 2	NE	4	o	2	b	*	57	45	-
	Lorient... ...	29·94	53	NE	5	c	29·80	-·22	46	45	0	NNE	6	r	3	c	*	63	45	-
France &	Rochefort ...	29·81	52	NNE	4	r	29·69	-·30	49	48	0	NE	4	o	*	o,r	*	63	45	0·55
	Belfort	29·74	50	E	5	m	29·65	-·22	46	46	- 1	ENE	4	f	*	m	*	59	44	0·04
	Lyons	29·71	53	NNW	1	r	29·68	-·18	50	50	+ 2	NNW	1	m	*	r	*	53	48	0·24
	Nice	29·70	52	NE	2	r	29·61	-·15	59	53	0	ENE	2	c	3	r	*	61	50	0·51
	Perpignan ...	29·70	55	NW	3	c	29·67	-·15	54	48	+ 4	W	1	c	*	c	*	60	48	0·28
	Biarritz ...	29·82	56	NNW	4	c	29·64	-·30	50	47	+ 1	WSW	5	r	4	c	*	59	48	0·32
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 13·2 hrs;

WEATHER CHARTS

FOR Thursday, 19th May, 1898

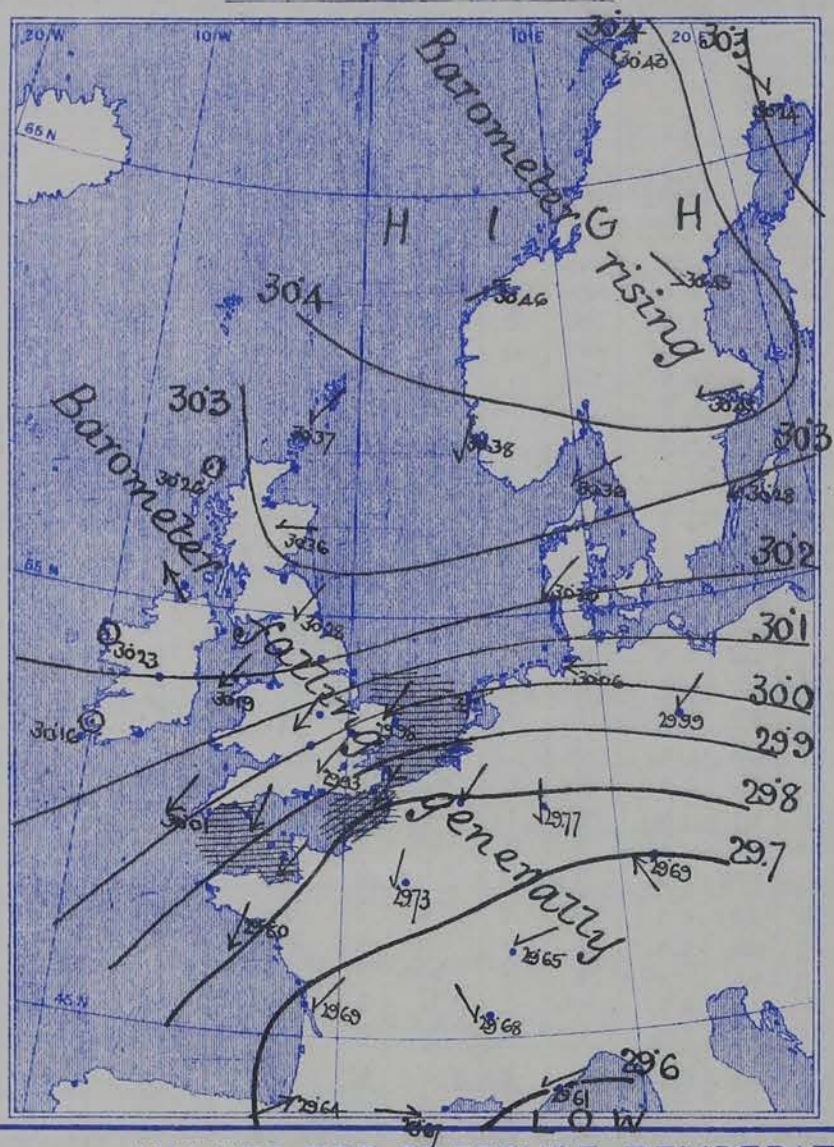
BAROMETER, WIND AND SEA.

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* ▩

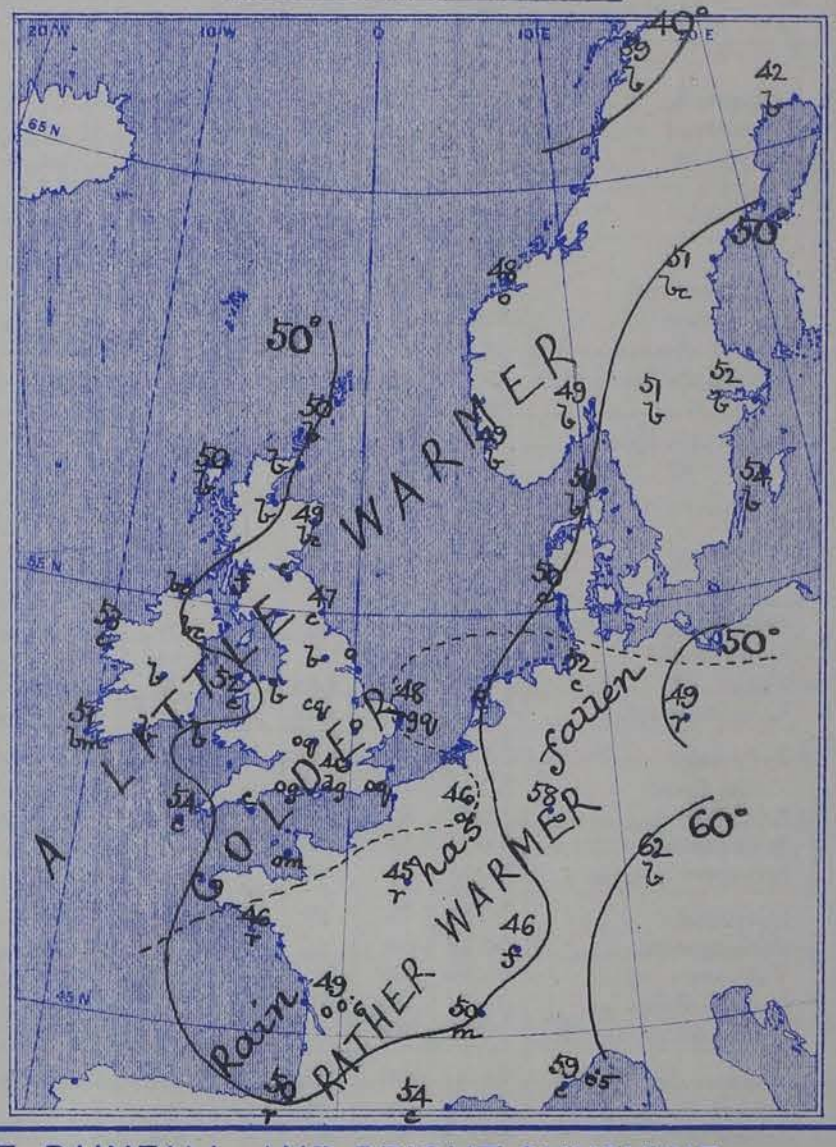


TEMPERATURE & WEATHER.

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, 30·4 ins: and upwards in Scandinavia; 30·2 ins: and upwards in an anticyclone extending from Northern Europe over all the more northern parts of our Islands.
Lowest, 29·7 ins: and less. in a depression lying over France.
Gradients moderate to rather steep over the Netherlands and the southern parts of England and the North Sea, slight elsewhere.
Barometer falling at all but the Scandinavian stations, – most in the Netherlands and the southeast of England.

TEMPERATURE

Highest, (1) 62° at Munich, 59° at Nice, and 54° at Perpignan; (2) 54° at Scilly and 55° at Belmullet; (3) 54° at Wisby.
Lowest, (1) 39° at Bodö and 42° at Haparanda; (2) 45° at Limerick and Oxford, and 46° in London; (3) 45° at Paris, and 46° at Brussels and Belfort.
The maxima registered yesterday were below 50° on many parts of our north and east coasts, and below 60° at all stations in our Islands excepting Nairn and Parsonstown.

WIND

NE. over Western Europe as a whole and strong to a gale in force on the east and southeast coasts of England; Light from the S.W. or SE. on our extreme north and northwest coast.
W. in the south of France; NW. over the northern parts of Scandinavia.

WEATHER

Fine in the western and northern parts of our Islands generally, and also in Scandinavia and Denmark.
Dull in France, Germany, the Netherlands, and the Central and southeastern parts of England, with rain in many places.
Considerable amounts of rain fell yesterday at some of the French stations, but in our Islands the weather remained dry.

SEA

High at Dungeness and rough or rather so on our Eastern and Southern coasts generally, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system over France is spreading northwards, and is likely to occasion a further increase of wind from the northeastward on many parts of the English coast, with cloudy weather and rain in places.

FORECASTS

For the 24 hours ending at NOON on 20th MAY, 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and SE. winds, light; fair generally.
1 SCOTLAND EAST	E. winds, freshening; fair generally.
▼ 2 ENGLAND N.E.	NE. winds, increasing to a gale; fair at first, some rain later.
▼ 3 ENGLAND EAST	Same as No 5
4 MIDLAND COUNTIES	NE. winds, fresh; cloudy, some rain.
▼ 5 ENGLAND SOUTH	NE. winds, strong, a gale on coast; dull, some rain.
6 SCOTLAND WEST	Same as No 1
▼ 7 ENGLAND N.W.	NE. winds, freshening; fair generally.
8 ENGLAND S.W.	NE. winds, strong; fair at first, some rain later.
9 IRELAND NORTH	Same as No 7.
10 IRELAND SOUTH	
WARNINGS	At 7·10 pm yesterday to districts 3, 5, and part of 8, and at 9·55 am today to district 2 "Hoist North Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·43	51	48	N	6	b	1
Sumburgh Head	30·35	51	48	SW	2	bc	3
Stornoway	30·33	53	49	S	4	bc	4
Aberdeen	30·39	53	47	SSE	2	b	1
Shields	30·38	51	49	NE	2	b	2
Ardrossan	30·34	56	54	N	2	bm	2
Malin Head ...	30·32	53	53	ESE	3	b	2
Belmullet	30·32	55	50	NNW	1	o	*
Holyhead	30·29	56	52	NE	2	b	1
Valencia	30·27	54	49	NE	3	o	3
Scilly	30·14	55	49	ENE	5	c	2
Jersey	30·08	58	49	NE	6	b	5
Hurst Castle ...	30·13	57	51	ENE	4	be	3
Dungeness ...	30·09	54	51	NE	6	bc	5
North Foreland	30·22	50	46	NE	5	b	5
London (Westminster)	30·19	56	56	ENE	3	c	*
Yarmouth ...	30·25	51	46	NE	6	b	4
Rochefort ...	29·94	59	53	NE	3	o	*

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

Weather in morning fine over northern and northwestern Europe generally, but foggy on some parts of our own northwest coasts. Cloudy or dull in most of the central and southern countries with rain in several parts of northern Germany and the south of France as well as at Bilbao and Naples. Considerable quantities of rain falling later at some of the French stations, and smaller amounts in Holland and Germany.

Temperature risen in our Islands and also in Austria and Italy; fallen in most other countries. Morning readings highest 75° at Sfax, 71° at Brindisi, 68° at Genis, and 67° at Athens; above 60° in many parts of southern and eastern Europe, but below 50° over Central Spain. Lowest 41° at Bodö, 42° at Christiansund, and 43° at Vardö and Copenhagen. Daily maxima below 55° in most parts of our own north and east coasts, but thermometer reaching 60° at Belmullet and 62° at Nairn; exceeding 60° also in the west and south of France.

Wind light to fresh from the E.ard or NE.ly over Ireland, England, and a considerable portion of the Continent, but W. or SW. in the extreme north of Scotland and the northern parts of Scandinavia. Light to moderate from between N. and W. in the south of France; variable in Austria and Italy. Subsequently increasing to a strong breeze from the NE.ly over the Netherlands, the north of France, and the south and east of England.

Barometer highest 30·3 ins. and upwards in an anticyclone extending from Denmark and the south of Scandinavia over all the more northern parts of the United Kingdom. Lowest 29·7 ins. and less, in a large shallow depression over Algeria and the western parts of the Mediterranean. Depression subsequently spreading northwards, and barometer falling rather decidedly over France

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Friday, 20th May, 1898.

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 ...	30·49	39	NW	2	bc	30·52	+·28	43	37	+ 1	S	2	b	*	bc	*	48	32	–
	Hernösand ...	30·48	48	W	0	b	30·56	+·13	48	42	– 3	S	2	b	*	b	*	59	32	–
	Stockholm ...	30·44	50	NE	4	b	30·46	+·05	54	47	+ 2	NE	4	c	*	b	*	57	37	–
	Wisby	30·34	47	ENE	6	b	30·32	+·04	57	46	+ 3	ESE	6	b	*	b	*	57	45	–
	Karlstad ...	30·38	57	S	2	b	30·41	·00	53	45	+ 2	NE	2	b	*	b	*	*	*	–
	Bodö	30·51	43	N	2	b	30·47	+·04	46	40	+ 7	E	4	b	1	b	*	46	36	–
	Christiansund ...	30·45	51	ENE	1	b	30·41	–·05	49	48	+ 1	W	0	b	1	b	*	50	45	–
	Skudesnaes ...	30·32	57	NNE	1	b	30·32	–·06	59	54	+ 10	ENE	5	b	1	b	*	64	39	*
	Færder (Christiania Fjord)	30·34	55	W	1	b	30·39	–·01	51	44	+ 2	NE	4	b	2	b	*	59	48	–
	Skagen (The Scaw)	30·27	53	E	3	c	30·28	–·06	50	47	0	ENE	3	b	0	c	*	57	43	–
	Fanö	30·06	53	E	6	c	29·99	–·21	53	50	+ 3	E	6	c	*	c	*	64	48	–
British Isles.	Sumburgh Head	30·34	47	NE	1	b	30·31	–·06	48	45	– 2	NE	3	b	4	c, b	*	50	43	–
	Stornoway ...	30·20	56	E	3	c	30·22	–·04	51	46	+ 1	SE	3	b	3	bc. c	8·2	63	39	–
	Wick	30·37	46	S	3	bc	30·28	–·06	51	47	+ 1	ESE	3	b	2	bc	*	58	35	–
	Nairn	30·24	53	ENE	4	b	30·27	–·04	50	47	– 2	E	1	b	0	b	*	56	29	–
	Aberdeen ...	30·29	47	ENE	4	bq	30·21	–·15	53	48	+ 4	N	4	bq	4	bq	1·4	53	39	–
	Leith	30·23	52	E	3	c	30·16	–·15	52	47	+ 2	ENE	2	o	*	c	*	54	45	–
	Shields	30·16	47	NNE	3	o	30·05	–·23	48	47	+ 1	NNE	3	o	4	c, o	*	50	42	–
	Spurn Head ...	29·94	52	NNE	5	c	29·81	–·27	49	48	+ 2	NNE	5	o	5	c, q	*	52	47	–
	York	30·05	52	ESE	3	c	29·94	–·25	51	47	+ 1	ENE	3	o	*	o, c	4·7	53	46	–
	Loughborough ...	29·93	51	NE	5	o	29·85	–·26	49	48	+ 1	NE	5	oq	*	o pq	*	51	46	0·02
	Ardrossan ...	30·18	53	NE	4	cm	†30·14	–·14	54	47	+ 5	NE	6	cm	2	bm, cm	*	57	43	–
	Malin Head ...	30·15	51	ESE	4	bm	30·16	–·06	51	50	0	NE	4	b	2	bm	*	53	48	–
	Belmullet ...	30·12	56	NNE	3	b	30·14	–·09	54	48	+ 1	NNE	4	b	*	b	*	60	45	–
	Donaghadee ...	30·14	55	ENE	5	c	30·11	–·16	50	47	+ 1	NNE	6	c	4	c	*	56	45	–
	Liverpool (Bidston)	30·00	53	NE	3	o	29·93	–·26	53	49	+ 6	N	2	o	2	c pm	*	54	47	–
	Holyhead ...	30·00	50	NE	6	op	29·96	–·23	50	48	– 2	ENE	3	cm	2	b, op	*	52	43	–
	Parsonstown ...	30·05	55	E	2	bc	30·03	–·16	53	48	+ 2	NW	1	b	*	bc	12·0	57	46	–
	Valencia ...	30·01	58	NNE	4	cm	30·01	–·15	50	46	– 1	NE	3	om	3	bcm, cm	12·7	60	48	–
	Roche's Point ..	29·98	58	NNE	4	b	29·95	–·21	53	50	+ 1	NE	3	o	3	b	*	59	46	0·01
	Pembroke (St. Ann's Hd.)	29·85	49	ENE	4	r	29·87	–·22	51	49	+ 6	NE	4	oq	3	c, r	7·7	52	44	0·16
	Scilly	29·79	50	NNE	6	r	29·77	–·24	52	50	– 2	ENE	4	o	3	c, r	8·2	56	48	0·26
	Prawle Point ...	29·74	46	NNE	6	r	29·78	–·17	49	49	+ 3	NE	4	rm	3	o, r	*	49	44	0·40
	Jersey (St. Aubin's)	29·65	50	E	3	om	29·73	–·10	53	52	+ 5	NE	3	cm	3	r. om	*	53	46	0·47
	Hurst Castle ...	29·72	50	NE	4	rm	29·73	–·17	52	51	+ 5	NNE	3	om	2	rm	*	52	46	0·26
	Dungeness ...	29·69	51	NE	5	oqr	29·66	–·14	51	51	+ 2	NNE	3	q	2	r. oqr	*	52	48	0·13
	North Foreland	29·75	52	NE	5	o	29·69	–·18	50	50	+ 3	NNW	4	r	3	or. o	*	52	47	0·12
	London (Brixton) ...	29·77	49	ENE	3	r	29·74	–·19	50	49	+ 4	ENE	2	oqa	*	orq, o	0·0	51	46	0·56
	Oxford	29·82	47	NE	3	r	29·79	–·22	49	48	+ 4	NE	3	f	*	o, p	*	50	45	0·30
	Cambridge ...	29·85	50	NE	3	o	29·77	–·24	50	50	+ 2	N	3	oq	*	or	0·0	53	45	0·15
	Yarmouth ...	29·83	51	NE	7	c	29·73	–·25	50	49	+ 2	NNE	5	oq	5	cq, qr	*	52	46	0·03
Germany & Holland.	Cuxhaven ...	29·93	52	ENE	6	o	29·84	–·22	50	50	– 2	E	7	o	*	o, r	*	55	48	0·12
	Berlin	29·84	66	NE	3	b	29·80	–·19	64	60	+ 15	NE	5	b	*	b	*	68	49	–
	Wiesbaden ...	*	*	*	*	*	29·58	–·19	64	60	+ 6	NE	1	o	*	*	*	70	55	0·12
	Munich... ..	29·60	61	SE	3	c	29·57	–·12	62	57	0	SE	2	b	*	c	*	73	52	0·04
	The Helder ...	29·79	57	ENE	5	o	29·67	–·27	53	51	+ 1	NE	5	o	4	o	*	55	50	0·28
Belgium.	Brussels ...	*	*	*	*	*	29·60	–·20	52	52	+ 6	NNE	2	r	*	o	*	58	45	–
	Cape Gris Nez ...	?	53	E	3	m	?	?	51	50	+ 2	E	3	r	3	m	*	54	45	0·08
	Paris	29·67	57	NE	2	bc	29·65	–·08	50	50	+ 5	NW	1	r	*	bc	*	59	45	0·08
	Brest	29·69	47	NNE	4	r	29·66	–·23	52	50	+ 6	ENE	3	b	2	r	*	54	45	0·12
	Lorient... ...	29·61	49	NNE	4	r	29·65	–·15	51	51	+ 5	?NE	4	c	4	r	*	52	46	0·20
France &	Rochefort ...	29·61	55	NE	2	o	29·68	–·01	51	48	+ 2	ESE	4	c	*	r. o	*	63	46	0·16
	Belfort	29·59	58	E	2	c	29·53	–·12	52	52	+ 6	W	3	r	*	c	*	69	46	1·02
	Lyons	29·58	65	E	1	c	29·69	+·01	49	48	– 1	NW	1	r	*	c	*	69	48	0·39
	Nice	29·60	59	W	0	c	29·60	–·01	58	53	– 1	W	0	r	2	c	*	68	50	0·04
	Perpignan ...	29·65	56	SSW	1	o	29·76	+·09	54	48	0	NW	2	c	*	o	*	61	47	0·16
	Biarritz ...	29·65	50	WSW	6	r	29·73	+·08	51	46	+ 1	WSW	5	c	3	r	*	52	46	0·71
Peninsula.	Corunna ...																*			
	Lisbon	29·99	55	NW	3	o	29·98	–·11	57	51	0	SSW	2	o	*	o	*	68	54	–
	Azores (P. Delgada)	30·25	61	NNW	4	bc	30·15	–·18	61	55	– 2	NNE	4	bc	3	bc	*	68	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 6.0 hrs;

WEATHER CHARTS

FOR Friday, 20th May, 1898

BAROMETER, WIND AND SEA.

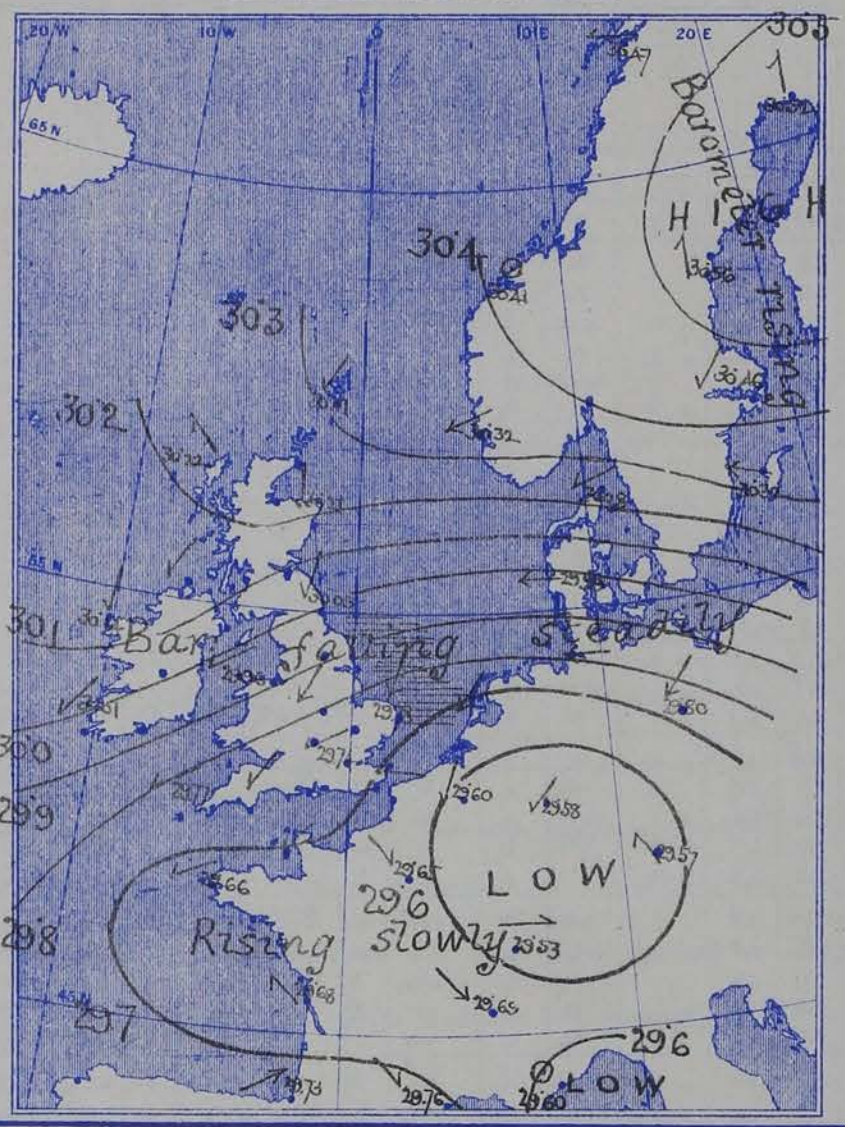
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

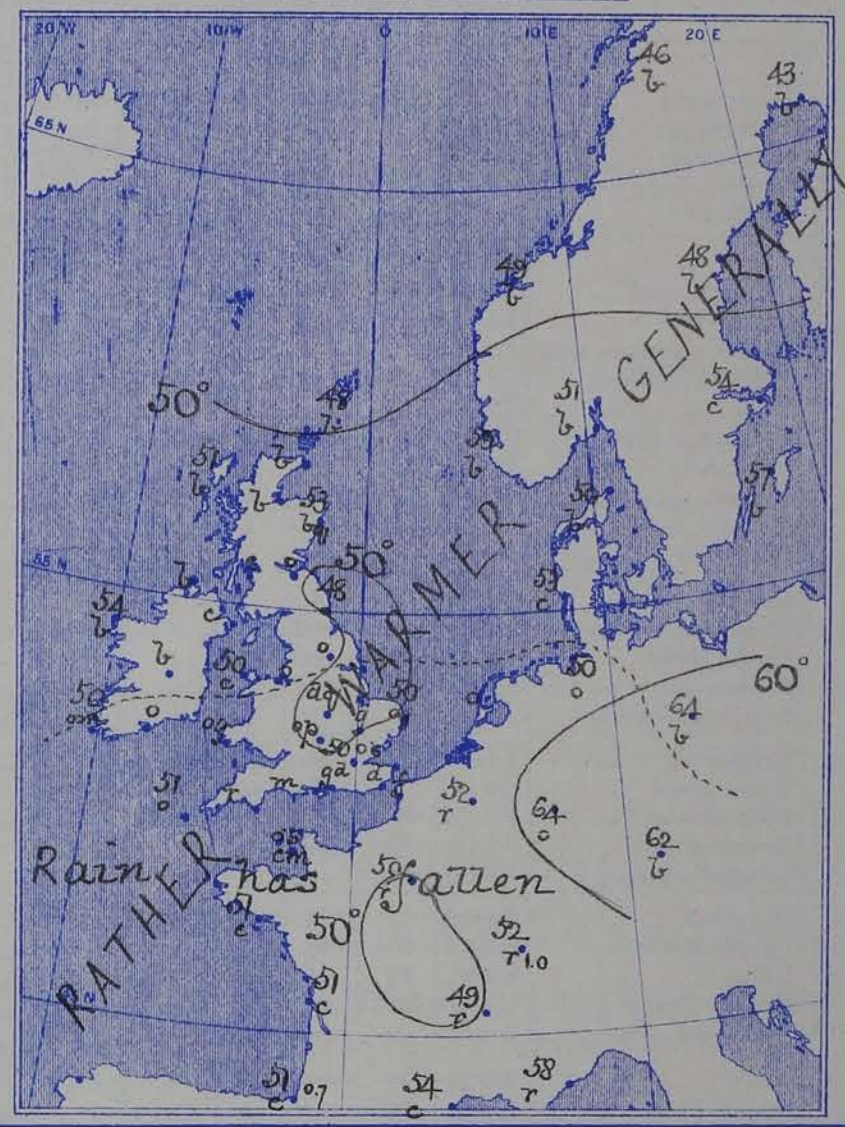


TEMPERATURE & WEATHER.

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, 30·5 in: and upwards over the northern parts of Sweden; 30·2 in: and upwards, in an anticyclone extending from Northern Europe over the north of Scotland.
Lowest, 29·6 in: and less, in a depression lying over Western Germany and the east of France and also in another system over the Gulf of Genoa.
Gradients rather steep over Denmark, the North Sea, and the north of England, but slight elsewhere.
Barometer rising a little in France and the extreme south of England, as well as in Sweden, but falling elsewhere.

TEMPERATURE

Highest, (1) 64° at Berlin and Wiesbaden, and 62° at Munich; (2) 59° at Skudesnaes and 57° at Wisby; (3) 58° at Nice, and 57° at Lisbon.
Lowest, (1) 45° at Haparanda, 46° at Bodö, and 48° at Hernösand; (2) 48° at Lerwick Head and Shields.
The maxima registered yesterday were below 55° over England, at Rawlins the thermometer did not exceed 49°. At Helmsdale and Valencia, however, it rose to 60°, and at Stornoway to 63°.

WIND

E. in Denmark and the north of Scotland, and NE. in most other parts of Western Europe; strong in force at Aberdeen and Donaghadee, as well as at Jarö and Esbjerg.
NW. over the central and southern parts of France. Light from the S. and in the Gulf of Bothnia.

WEATHER

Dull over England, the Netherlands, central and southern France and Western Germany, with rain in several places, and with fog in most at some of the Channel stations.
Fine in most other parts of our area, but dull in the south of Ireland.
Considerable quantities of rain fell yesterday in the south of England, France, and the Netherlands, the largest amounts measured this morning being 1·0 in: at Helder, 0·7 in: at Biarritz, 0·6 in: in London, and 0·5 in: at Jersey.

SEA

Rather rough off the east of England, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Germany continues to spread slowly northwards, and cloudy unsettled weather is likely to prevail for a time in many parts of the United Kingdom. In the extreme south, however, some improvement is anticipated within the ensuing twenty-four hours.

FORECASTS

For the 24 hours ending at NOON on 21ST MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. and NE. winds, freshening; fine at first, showery later.
1	SCOTLAND EAST	NE. winds, freshening considerably; dull, some rain.
◭ 2	ENGLAND N.E.	N. and NE. winds, strong; dull, some rain.
◭ 3	ENGLAND EAST	
4	MIDLAND COUNTIES	N. winds, moderate or fresh; dull and rainy at first, some improvement later.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE. winds, strong in places; cloudy, some showers.
◭ 7	ENGLAND N.W.	
8	ENGLAND S.W.	NE. winds, moderate or fresh; cloudy, some showers.
◭ 9	IRELAND NORTH	Same as Nos 6 & 7
10	IRELAND SOUTH	Same as No 8.
	WARNINGS	At 7·10 pm yesterday to district 7 and part of 9 "Hoist North Cone". At 10·20 am today to district 5 and part of 8 "Lower Cone". The signals are still flying in districts 2 and 3.

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 ...	30·38	64	57	E	1	b	1
Sumburgh Head	30·38	46	45	E	1	c	3
Stornoway	30·24	63	54	E	3	bc	2
Aberdeen	30·31	48	45	ENE	4	bcq	8
Shields	30·21	49	47	NE	4	c	4
Ardrossan	30·20	56	52	NE	5	bm	2
Malin Head ...	30·19	52	50	ESE	5	b	3
Belmullet	30·16	59	50	NE	2	b	*
Holyhead	30·08	50	46	NNE	5	o	4
Valencia	30·08	59	52	NNE	4	bcm	4
Scilly	29·89	55	50	NNE	6	c	3
Jersey	29·69	50	50	NE	5	r	4
Hurst Castle ...	29·76	49	48	NE	5	rm	3
Dungeness ...	29·70	50	50	NE	6	r	5
North Foreland	29·76	51	50	NE	6	r	5
London (Westminster)	29·80	52	49	NE	5	qpa	*
Yarmouth ...	29·86	51	48	ENE	6	qr	5
Rochefort ...	29·64	55	53	E	2	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, 21st May, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		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 ...	30·32	37	W	0	b	30·27	-·25	50	46	+7	W	0	bc	*	b	*	50	28	-
	Hernösand ...	30·40	48	S	2	b	30·28	-·28	51	42	+3	S	2	b	*	b	*	59	34	-
	Stockholm ...	30·37	48	NE	6	o	30·25	-·21	54	47	0	ENE	4	c	*	o	*	57	39	-
	Wisby	30·24	53	ESE	6	b	30·13	-·19	56	50	-1	ESE	4	c	*	b	*	59	41	-
	Karlstad ...	30·30	57	ENE	4	o	30·21	-·20	54	45	+1	NE	4	bc	*	o	*	*	*	-
	Bodö	30·38	46	W	0	b	30·23	-·24	50	44	+4	NE	2	b	0	b	*	54	39	-
	Christiansund ...	30·29	55	NE	1	b	30·17	-·24	50	48	+1	N	1	b	1	b	*	61	45	-
	Skudesnaes ...	30·20	62	NE	1	bc	30·12	-·20	59	54	0	NE	1	b	2	b,bc	*	66	50	*
	Færder (Christiania Fjord)	30·26	54	ENE	1	o	30·19	-·20	51	45	0	NNE	4	bc	2	o	*	57	50	-
	Skagen (The Scaw)	30·16	52	ENE	3	o	30·06	-·22	52	49	+2	ENE	3	bc	0	o	*	63	48	-
	Fanö	29·91	58	E	6	b	29·89	-·10	56	54	+3	E	6	o	*	b	*	70	48	-
	Sumburgh Head	30·26	49	NE	3	b	30·17	-·14	49	47	+1	NE	3	b	4	b	*	52	42	-
	Stornoway ...	30·17	58	E	3	b	30·12	-·10	54	49	+3	E	2	b	2	b,	14·7	63	41	-
	Wick	30·25	45	E	3	bc	30·17	-·11	52	49	+1	E	3	b	3	bc	*	55	36	-
	Nairn	30·18	55	E	3	b	30·16	-·11	50	49	0	E	1	c	1	b	*	56	39	-
	Aberdeen ...	30·18	51	NE	4	cq	30·10	-·11	54	50	+1	NE	4	bcq	4	bq,cq	10·0	55	48	-
	Leith	30·11	50	ENE	3	o	30·04	-·12	52	48	0	ENE	4	o	*	o	*	57	48	-
	Shields	30·01	46	NNE	4	r	29·94	-·11	49	48	+1	NNE	3	o	*	a, r	*	51	45	0·18
	Spurn Head ...	29·75	49	NNE	6	o	29·75	-·06	48	48	-1	NNE	4	r	4	o,r	*	50	49	0·35
	York	29·90	48	N	2	r	29·83	-·11	48	47	-3	N	2	o	*	o,r	0·0	53	46	0·82
	Loughborough ...	29·78	49	NNE	4	o	29·75	-·10	49	49	0	NNE	2	r	*	aq,qm	*	49	48	0·47
British Isles.	Ardrossan ...	30·07	57	NE	6	bm	?30·02	-·12	58	50	+4	NNE	6	om	2	bm	*	65	49	-
	Malin Head ...	30·09	52	N	6	b	30·06	-·10	52	52	+1	NNE	4	b	3	b	*	54	48	-
	Belmullet ...	30·14	54	NE	4	b	30·07	-·07	54	52	0	NE	4	b	*	b	*	56	49	-
	Donaghadee ...	30·01	57	NNE	7	b	29·95	-·16	53	49	+3	NNW	7	c	5	b	*	60	40	-
	Liverpool (Bidston)	29·86	51	NNE	3	o	29·80	-·13	50	49	-3	NE	2	r	?	omr	*	55	48	0·38
	Holyhead ...	29·88	52	NE	6	c	29·83	-·13	50	49	0	NNE	4	om	3	om,c	*	54	47	-
	Parsonstown ...	29·95	64	NW	2	c	29·92	-·11	54	50	+1	E	1	o	*	b,c	10·1	66	49	-
	Valencia ...	29·96	59	N	6	bc	29·90	-·11	53	50	+3	NE	6	o	4	bc	8·5	62	49	-
	Roche's Point ..	29·88	64	NNE	5	c	29·83	-·12	54	51	+1	N	4	o	3	c	*	67	51	-
	Pembroke (St. Ann's Hd.)	29·76	51	NE	5	r	29·75	-·12	52	50	+1	E	3	gr	3	or	0·0	54	50	0·26
	Scilly	29·72	52	NNE	4	r	29·71	-·06	52	50	0	E	1	o	1	om,r	0·0	55	50	1·37
	Prawle Point ...	29·72	50	NE	2	r	29·72	-·06	50	49	+1	E	1	of	1	r	*	50	48	0·42
	Jersey (St. Anbin's)	29·70	53	NNW	2	orm	29·76	+·03	53	52	0	SW	3	om	3	rm	*	57	50	0·42
	Hurst Castle ...	29·66	51	NNE	1	rm	29·73	·00	52	51	0	SSW	2	om	2	rm	*	53	51	0·46
	Dungeness ...	29·57	51	NNE	3	am	29·77	+·11	51	51	0	SSW	3	o	2	a,f	*	52	50	0·15
	North Foreland	29·59	51	N	3	m	29·77	+·08	54	53	+4	S	3	c	3	f,m	*	54	48	0·15
	London (Brixton) ...	29·65	51	NE	3	oqa	29·74	·00	52	51	+2	SW	2	o	*	oqa,o	0·0	52	50	0·19
	Oxford	29·70	49	NE	3	r	29·72	-·07	51	51	+2	NE	1	r	*	a,r	*	51	48	0·36
	Cambridge ...	29·69	50	N	3	am	29·72	-·05	53	53	+3	N	1	a	*	am	0·0	54	49	0·45
	Yarmouth ...	29·63	51	NE	5	cq	29·75	+·02	52	51	+2	SSW	4	cf	4	o,cg,t	*	52	48	0·08
Germany & Holland.	Cuxhaven ...	29·77	54	E	7	o	29·85	+·01	56	55	+6	S	1	o	*	o	*	59	50	-
	Berlin	29·76	70	NE	2	c	29·87	+·07	65	61	+1	NW	4	b	*	c	*	79	59	-
	Wiesbaden ...	*	*	*	*	*	29·97	+·39	56	53	-8	SW	1	bc	*	*	*	73	52	-
	Munich... ..														*		*			
	The Helder ...	29·62	57	NE	4	r	29·80	+·13	53	52	0	SSW	2	r	2	r	*	57	52	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·89	+·29	56	52	+4	SSW	4	c	*	r	*	67	49	0·20
	Cape Gris Nez...	?	52	S	2	r	?	?	53	51	+2	SW	4	o	4	r	*	54	45	0·12
	Paris	29·72	53	SW	4	c	29·89	+·24	54	52	+4	S	2	bc	*	c	*	55	48	0·35
	Brest	29·71	54	ENE	1	o	29·72	+·06	52	51	0	SSW	1	o	2	o	*	61	48	-
	Lorient... ...	29·71	61	SW	1	c	29·76	+·11	53	51	+2	WSW	3	o	2	c	*	63	50	-
France &	Rochefort ...	29·82	57	SW	4	c	29·83	+·15	54	51	+3	ESE	3	c	*	c	*	61	48	-
	Belfort	29·81	49	W	3	o	29·94	+·41	53	50	+1	E	2	o	*	o	*	57	46	0·08
	Lyons	29·88	50	SE	1	o	29·97	+·28	53	51	+4	S	1	o	*	o	*	56	46	0·20
	Nice	29·87	54	SW	1	bc	30·01	+·41	54	50	-4	ENE	3	bc	2	bc	*	59	46	0·24
	Perpignan ...	29·85	59	E	1	b	29·92	+·16	58	54	+4	E	1	b	*	b	*	64	45	0·04
	Biarritz ...	29·78	57	NNE	4	b	29·76	+·03	55	52	+4	ESE	2	b	2	b	*	61	46	-
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport... 1·8 hrs;

WEATHER CHARTS

FOR Saturday 21st May, 1898

BAROMETER, WIND AND SEA.

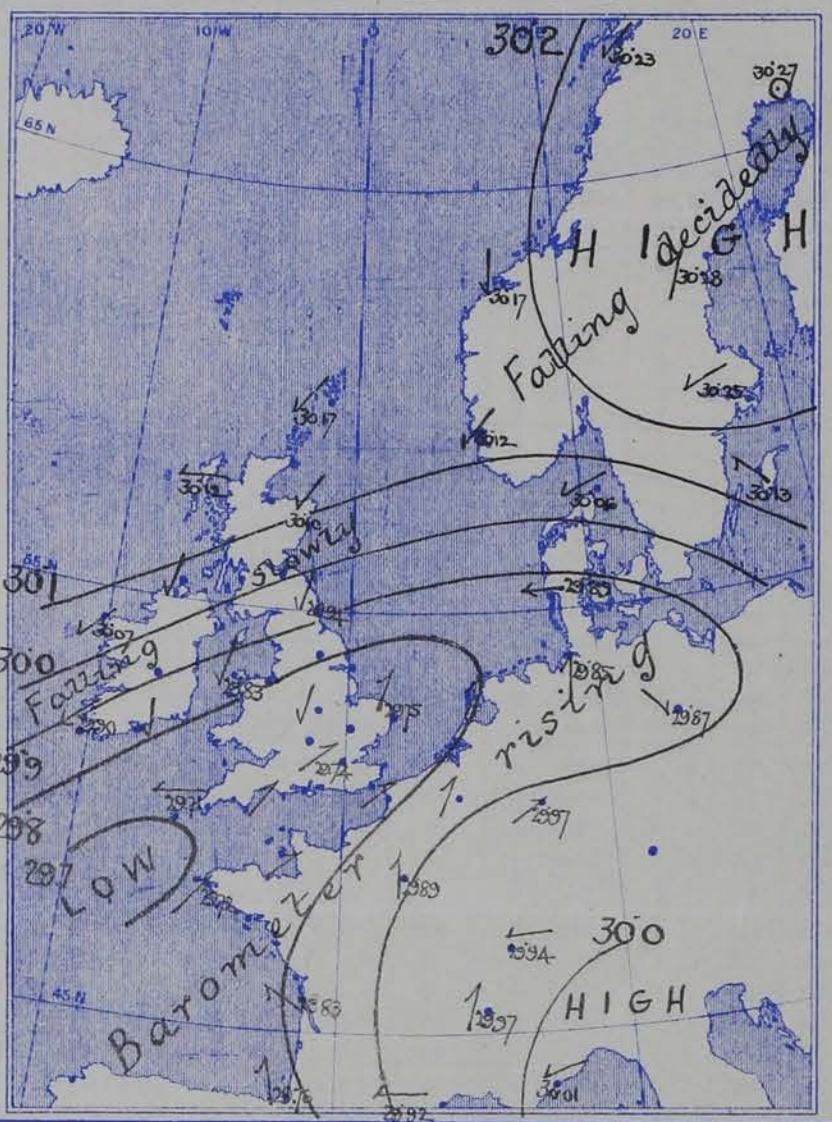
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

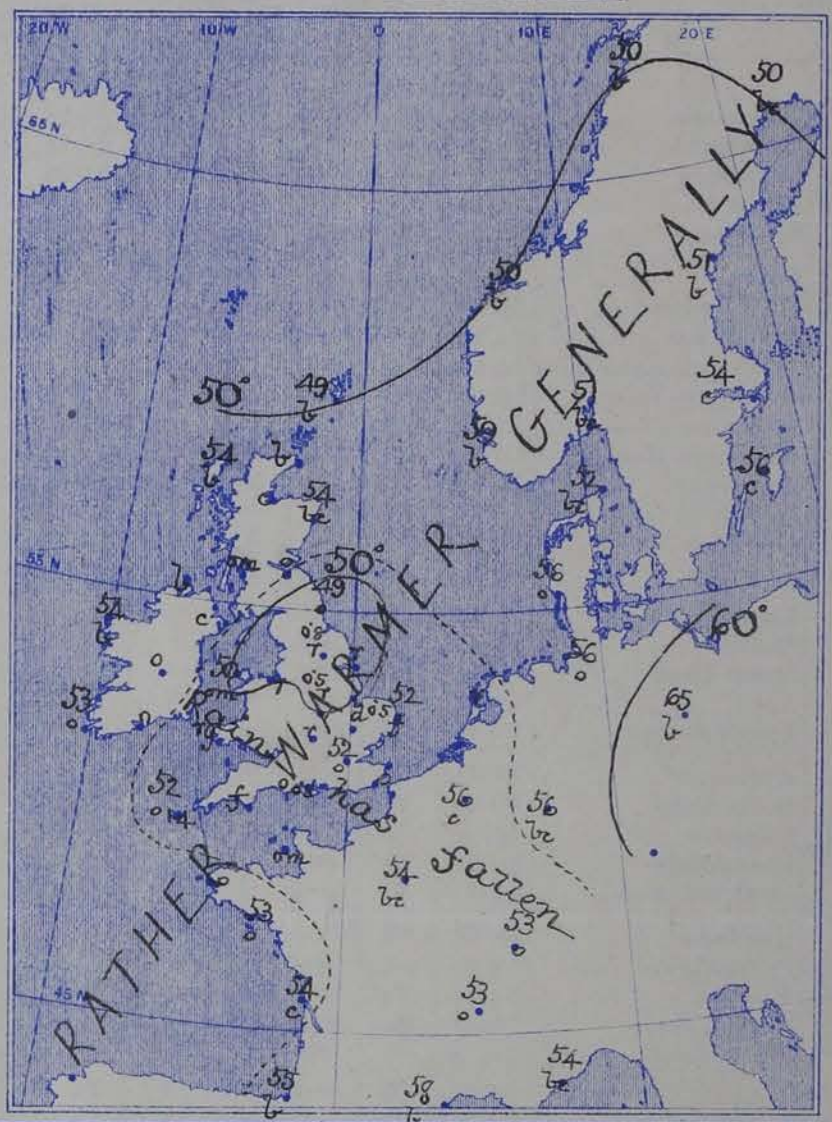


TEMPERATURE & WEATHER.

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 in: and upwards, in a large anticyclone lying over Scandinavia; 30·0 in: and upwards over the southeast of France
Lowest, 29·8 in: in a complex area lying over England, the Channel and the Bay of Biscay
Gradients slight generally, but moderate over Ireland and the north of England.
Barometer rising in the south of England and also over France, Germany, and the Netherlands; falling elsewhere, – most in Scandinavia.

TEMPERATURE

Highest, (1) 65° at Berlin, 59° at Skudenaes, and 58° at Perpignan; (2) 58° at Ardrossan, and 54° at Belmullet, Parsonstown and Rochebeit.
Lowest, 48° at York and Spurn Head, and 49° at Lumburgh Head, Shields, and Loughborough.
The maxima registered yesterday were below 55° at nearly all the English stations; at Ardrossan, however, the thermometer rose to 65°, at Parsontown to 66° and at Roche's Point to 67°.

WIND

Light to moderate from the S.W. over France, the Netherlands, and the southeast of England.
E. in Denmark; NE. in the south of Scandinavia and the northern and western parts of our Islands; strong in force in some parts of Ireland and the west of Scotland.
Calm or variable over the northern part of Scandinavia.

WEATHER

Fine in the extreme north and northwest of our Islands, as well as in Scandinavia, Germany, and the central and southern parts of France
Dull elsewhere, with rain over Wales and the northern and central parts of England, as well as at the Hilder.
Rain fell yesterday over nearly the whole of England, France, and the Netherlands, the largest amounts being 1·4 in: at Scilly, 0·8 in: at York, and 0·5 in: at Loughborough, Mount Carke, and Cambridge.

SEA

Moderate to smooth generally, but rather rough at Donaghadee.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday morning over Western Germany has advanced over England, and is still inclined to move slowly in a northwesterly direction. Some improvement in the weather is probable over the south of England, but in the north conditions are likely to continue rainy and unsettled.

FORECASTS

For the 24 hours ending at NOON on 22ND MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. and NE. winds, light; fair generally.
1	SCOTLAND EAST	NE. winds, moderate or fresh; dull, rain at times.
2	ENGLAND N.E.	
3	ENGLAND EAST	Varying S. breezes; changeable & showery at first, improving temporarily later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 1 and 2
7	ENGLAND N.W.	
8	ENGLAND S.W.	Light breezes, chiefly E.; changeable, some showers.
9	IRELAND NORTH	N. and NE. winds, strong in places; fair at first; some rain later.
10	IRELAND SOUTH	
	WARNINGS	The NORTH CONE is still flying in district 7 and part of 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.27	??	59	ENE	6	b	2
Sumburgh Head	30.28	49	47	NE	4	b	4
Stornoway	30.21	63	53	E	2	b	2
Aberdeen	30.20	54	47	NE	5	bq	5
Shields	30.04	48	47	NNE	3	d	4
Ardrossan	30.06	65	55	NE	6	bm	2
Malin Head ...	30.13	53	52	NE	5	b	3
Belmullet	30,15	55	49	NNE	5	b	*
Holyhead	29.91	53	50	NE	4	om	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.98	61	53	N	6	bc	4
Scilly	29.77	53	50	NNE	5	om	3
Jersey	29.71	56	55	NNW	3	r	3
Hurst Castle ...	29.69	52	51	NNE	2	rm	2
Dungeness ...	29.59	52	52	NNE	3	d	2
North Foreland	29.61	50	49	N	4	f	3
London (Westminster)	29.67	52	51	NE	3	gmd	*
Yarmouth ...	29.68	51	50	NE	4	o	4
Rochefort ...	29.79	58	55	SW	4	o	*

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

Weather in morning dull over England, the Netherlands, central and southern France, and western Germany, with rain in places. Fine over Scotland and the northern and central parts of Ireland, as well as over northern, eastern, and southern Europe generally. Dull in Portugal and also in Austria, with rain at Budapesth. Rain falling later over nearly the whole of England, France, and the Netherlands, heavily in places.

Temperature rises in the western and central countries, but falls elsewhere. Morning readings highest 76° at Rhindiri, 73° at Athens and Patras, and 72° at Hermanstadt; above 60° in most parts of central and southern Europe, but below it in Spain and the south of France. Lowest 39° at Archangel, 43° at Haparanda and Wisborg, and 46° at Bodö and Kuopio. Daily maxima below 55° over the greater part of England, but thermometer exceeding 60° in many parts of Ireland and the west of Scotland, and reading 67° at Rochefort Point. Exceeding 60° also over France and Belgium and exceeding 70° in Germany; touching 79° at Berlin.

Wind moderate to strong from the E^{ly} or NE^{ly} over Germany, Denmark, the Baltic, and the south of Scandinavia, and from the NE^{ly} or N^{ly} over our Islands and the Netherlands. Light from the NW^{ly} over the greater part of France and Spain; W^{ly} or SW^{ly} in Italy; SE^{ly} in Austria. S^{ly} over the northern parts of Sweden. Subsequently backing to the SW^{ly} in France; no important change occurring elsewhere.

Barometer highest 30·60 ins: at Kuopio, 30·2 ins: and upwards in an anticyclone covering the whole of northern Europe, and extending westwards over the north of Scotland. Lowest 29·6 ins: and less in a well marked depression over Northern Germany and the east of France; 29·7 ins: and less in another system over the Bay of Biscay. Depression subsequently moving northwards or northwestwards, barometer falling in our Islands, but rising in France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 22nd May, 1898.

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 ...	30·10	36	Z	0	c	29·95	−·32	40	38	− 10	SSE	2	c	*	c	*	68	30	—
	Hernösand ...	30·11	49	S	2	b	29·99	−·29	54	47	+ 3	E	2	bc	*	b	*	59	34	—
	Stockholm ...	30·11	50	ENE	2	b	30·01	−·24	58	52	+ 4	E	2	c	*	b	*	61	43	—
	Wisby	30·03	55	ESE	4	b	29·97	−·16	65	59	+ 9	SSE	2	b	*	b	*	66	45	—
	Karlstad ...	30·08	58	ESE	2	b	30·00	−·21	60	52	+ 6	NE	2	c	*	b	*	*	*	—
	Bodö	30·09	47	N	4	bc	30·13	− 40	43	41	− 7	NW	4	o	1	bc	*	52	41	—
	Christiansund ...	30·13	51	NE	3	b	30·15	−·02	47	43	− 3	NE	5	c	3	b	*	57	45	—
	Skudesnaes ...	30·02	57	N	2	o	29·95	−·17	57	54	− 2	N	4	c	1	o	*	61	50	*
	Færder (Christiania Fjord)	30·01	58	NNE	2	c	29·97	−·22	54	51	+ 3	NNE	3	o	2	c	*	58	54	—
	Skagen (The Scaw)	29·95	55	ENE	2	o	29·95	− ·11	55	53	+ 3	E	1	b	0	o	*	61	50	—
	Fanö	29·95	51	WSW	2	o	29·97	+ ·08	51	50	− 5	W	4	b	*	o	*	61	48	—
British Islands.	Sumburgh Head	30·11	48	NE	3	b	30·01	−·16	47	45	− 2	NE	4	o	5	b	*	51	44	—
	Stornoway ...	30·02	57	E	3	b	29·96	−·16	48	47	− 6	E	4	r	4	b	14·9	63	44	—
	Wick	30·10	49	E	4	c	30·00	−·17	47	46	− 5	E	5	or	4	c	*	60	45	0·01
	Nairn	30·04	53	E	3	bc	29·95	−·21	47	47	− 3	E	3	o	3	bc	*	58	45	0·13
	Aberdeen ...	30·01	50	E	5	ogq	29·93	−·17	47	47	− 7	NE	5	orggm	5	cq.oqq	3·8	56	46	0·41
	Leith	29·92	50	ENE	3	o	29·87	− ·17	48	48	− 4	ENE	1	o	*	o	*	58	46	0·15
	Shields	29·85	46	N	3	r	29·89	−·05	48	48	− 1	E	1	o	4	r	*	49	45	0·76
	Spurn Head ...	29·79	51	Z	0	c	29·86	+ ·11	54	52	+ 6	ESE	2	b	3	om	*	54	48	0·01
	York	29·82	48	N	1	r	29·86	+ ·03	56	53	+ 8	ESE	1	bc	*	a.p	0·0	57	46	0·24
	Loughborough ...	29·79	52	NE	1	o	29·83	+ ·08	54	52	+ 5	E	1	bcw	*	am,om,c	*	54	45	0·05
	Ardrossan ...	29·90	58	NE	4	o	29·83	− ·19	52	51	− 6	NE	3	om	2	c.o	*	64	48	0·08
	Malin Head ...	29·92	53	N	2	b	29·80	−·26	49	48	− 3	ESE	4	or	1	b	*	54	48	0·13
	Belmullet ...	29·94	54	NE	5	o	29·77	−·30	51	50	− 3	ENE	2	o	*	b	*	56	49	0·01
	Donaghadee ...	29·87	54	NNE	6	c	29·82	− ·13	50	47	− 3	ESE	5	o	3	c	*	62	47	0·29
	Liverpool (Bidston)	29·79	50	ENE	2	r	29·80	·00	55	51	+ 5	E	3	c	2	r	*	55	47	0·44
	Holyhead ...	29·78	50	NE	3	ogpm	29·76	− ·07	54	52	+ 4	N	1	cm	0	ogmp	*	54	48	0·07
	Parsonstown ...	29·86	59	E	1	o	29·71	−·21	52	51	− 2	Z	0	o	*	o, or	0·7	64	48	0·32
	Valencia ...	29·81	60	NNE	5	cm	29·67	−·23	51	50	− 2	NE	3	rm	3	o,cm	0·9	63	49	0·08
	Roche's Point ...	29·76	59	NE	3	or	29·69	− ·14	52	52	− 2	SE	4	rm	3	o.r	*	64	50	0·48
	Pembroke (St. Ann's Hd.)	29·72	52	SE	1	r	29·71	−·04	52	50	0	SE	4	og	3	r	0·0	54	50	0·16
	Scilly	29·67	53	SSE	1	f	29·63	−·08	53	51	+ 1	E	2	omp	1	r, f	0·0	55	50	0·08
	Prawle Point ...	29·75	50	ENE	2	o	29·71	−·01	51	50	+ 1	ENE	2	o	2	ogd	*	52	49	0·03
	Jersey (St. Aubin's)	29·76	57	SE	2	c	29·70	−·06	57	53	+ 4	E	3	cm	3	c.gp	*	58	51	0·03
	Hurst Castle ...	29·78	55	ESE	1	cv	29·76	+ ·03	55	53	+ 3	E	2	c	1	om,cv	*	57	52	0·03
	Dungeness ...	29·82	54	S	2	bc	29·79	+ ·02	54	53	+ 3	ENE	3	c	2	b, bc	*	59	50	—
	North Foreland	29·86	54	ESE	2	bc	29·85	+ ·08	56	52	+ 2	E	2	bc	2	b,bc	*	61	49	—
	London (Brixton) ...	29·80	58	S	2	c	29·81	+ ·07	58	53	+ 6	ESE	2	o	*	o.bc	0·7	59	47	—
	Oxford	29·87	54	SSE	2	o	29·80	+ ·08	58	53	+ 7	ESE	2	b	*	op, c	*	58	49	0·02
	Cambridge ...	29·82	60	S	3	b	29·84	+ ·12	55	50	+ 2	ESE	2	om	*	b	2·5	61	42	—
	Yarmouth ...	29·84	55	SSE	3	b	29·88	+ ·13	54	52	+ 2	ESE	2	b	2	bcb	*	57	48	—
Germany & Holland.	Cuxhaven ...	29·96	55	N	1	b	29·97	+ ·12	53	52	− 3	N	1	b	*	b	*	59	52	—
	Berlin														*		*			
	Wiesbaden ...	*	*	*	*	*	29·97	·00	55	52	— 1	SW	1	b	*	*	*	66	48	—
	Munich	29·99	57	SW	6	o	29·98		53	52		S	2	bc	*	o	*	64	48	0·83
	The Helder ...	29·91	57	ESE	1	b	29·93	+ ·13	57	54	+ 4	Z	0	b	1	b	*	64	52	—
France & Belgium.	Brussels ...	*	*	*	*	*	29·89	·00	62	55	+ 6	SE	3	b	*	b	*	66	47	—
	Cape Gris Nez.	?	56	SSW	1	c	?	?	54	52	+ 1	NNW	1	bc	1	c	*	61	48	0·04
	Paris	29·89	59	SSE	2	b	29·82	− ·07	59	53	+ 5	S	2	bc	*	b	*	64	48	0·04
	Brest	29·72	54	S	2	o	29·67	−·05	53	52	+ 1	SE	1	o	1	o	*	55	50	—
	Lorient	29·76	55	SW	3	c	29·67	− ·09	51	48	− 2	ENE	2	bc	2	c	*	59	50	—
	Rochefort ...	29·73	64	NE	2	bc	29·68	− ·15	57	54	+ 3	SSE	3	o	*	bc	*	73	50	—
	Belfort	29·92	57	SE	2	c	29·88	− ·06	53	51	0	E	2	o	*	c	*	66	44	0·04
	Lyons	29·91	60	S	3	b	29·89	− ·08	52	52	− 1	SSW	1	r	*	b	*	68	49	0·08
	Nice	30·01	55	SE	2	c	29·98	−·03	51	49	− 3	SW	2	r	2	c	*	63	50	0·08
	Perpignan ...	29·86	62	S	2	o	29·82	− ·10	58	57	0	E	2	r	*	o	*	68	55	—
	Biarritz ...	29·68	71	E	3	c	29·66	− ·10	63	56	+ 8	S	4	o	2	c	*	72	55	—
Peninsula.	Corunna ...														*					
	Lisbon	29·66	55	SSW	5	o	29·67	+ ·06	58	55	0	SSW	4	o	*	o	*	59	54	1·02
	Azores (P. Delgada)	30·08	59	NNE	4	c	30·02	−·12	59	53	0	NNW	2	o	2	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 0·0 hrs;

WEATHER CHARTS

FOR Sunday, 22nd May, 1898

BAROMETER, WIND AND SEA.

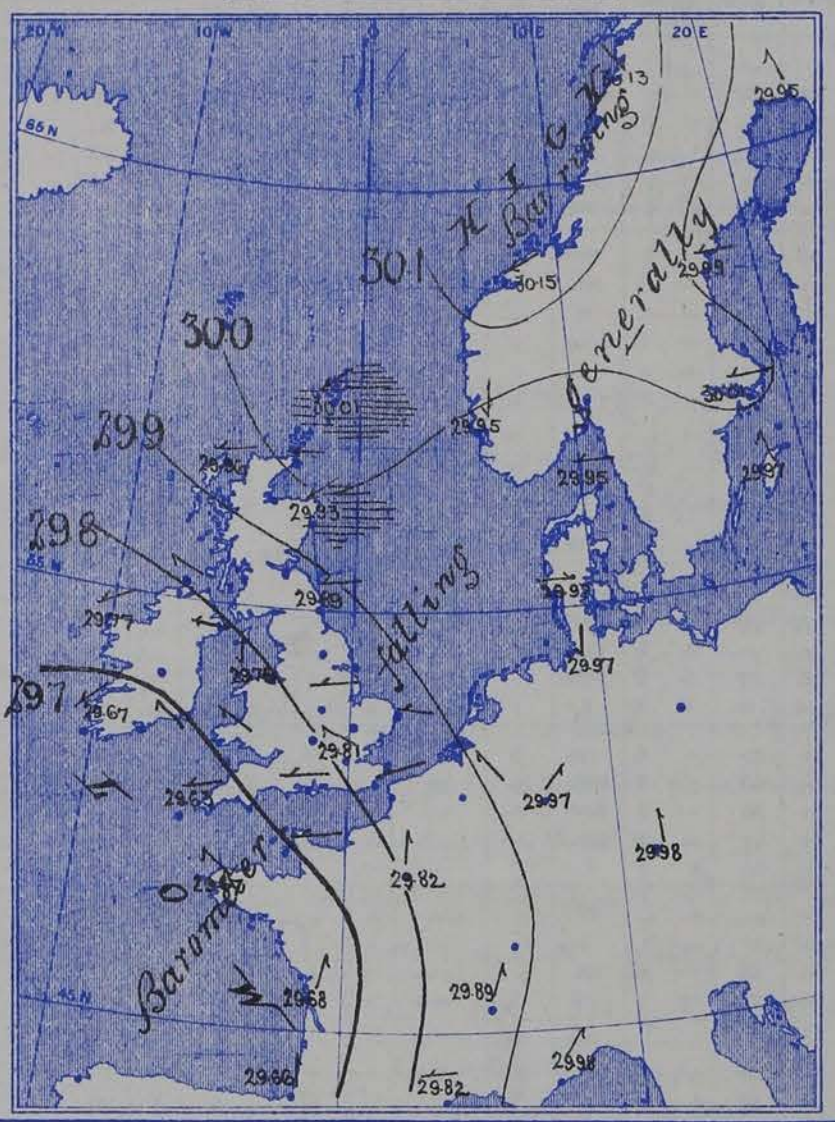
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

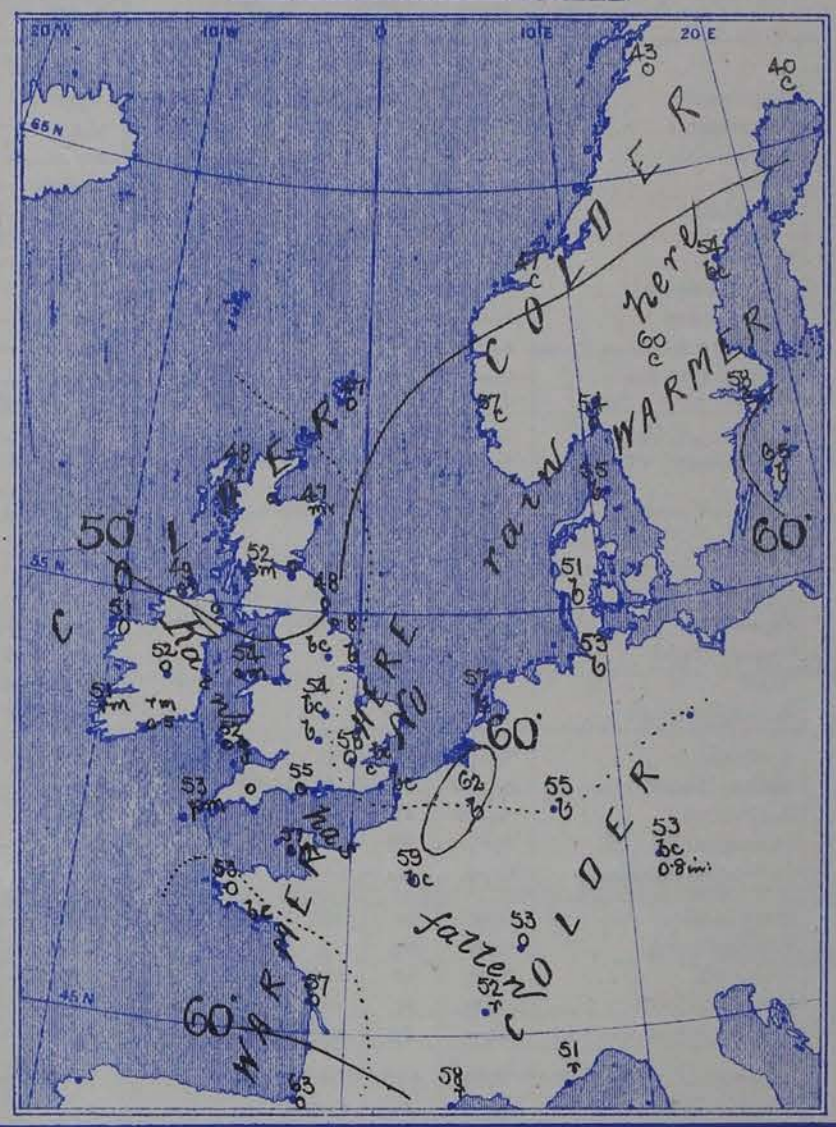


TEMPERATURE & WEATHER.

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, 30·1 in: and upwards in an anticyclone lying off the west of Norway.
Lowest, 29·7 in: and less, in a large shallow area lying over the Spanish Peninsula, the Bay of Biscay, the west of France, and the extreme southwest of our Islands
Gradients slight. Barometer falling in most parts of our area.

TEMPERATURE

Highest, (1) 65° at Wisby, 60° at Karlstad; (2) 63° at Biarritz and 62° at Brussels; highest in our Islands 58° in London and at Oxford.
Lowest, 40° at Haparanda, 43° at Bodö, and 47° at Lerwick Head, Wick, Nairn and Aberdeen.
During yesterday, the thermometer rose to 60° and upwards in most parts of the United Kingdom, and to 64° at Ardrossan, Parsonstown and Roche's Point. At some stations in the northern and eastern parts of England, however, it did not reach 55°.

WIND

Light from the S. or SE. over France and Germany; E. or NE. over our Islands and the greater part of Scandinavia and fresh in force on the north coasts of Ireland and Scotland. Variable in Denmark.

WEATHER

Fine over the eastern and central parts of England, as well as in Sweden, Denmark, Germany, the Netherlands and the north of France, cloudy or dull elsewhere, with rain in many parts of Ireland and Scotland, and also in the south of France.
Rain fell yesterday in most parts of our Islands, France, and Germany, the largest amounts being 0·8 in: at Shields and Yarmouth and 0·5 in: at Rochefort

SEA

Slight or smooth generally, but rather rough at Lerwick Head and Aberdeen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 23rd May, 1898

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.
Skudesnaes ...	30·07	62	58	Z	0	o	0
Sumburgh Head	30·15	49	47	NE	3	b	4
Stornoway	30·08	62	55	E	3	b	3
Aberdeen	30·04	52	48	NE	5	cq	5
Shields	29·91	47	47	N	3	r	4
Ardrossan	29·94	62	54	NE	5	c	4
Malin Head ...	29·99	54	51	N	4	b	3
Belmullet	30·00	55	52	NNE	6	b	*
Holyhead	29·80	51	50	NE	4	rgm	3
Valencia	29·85	59	53	NE	6	o	5
Scilly	29·70	53	51	SSW	1	r	0
Jersey	29·78	58	55	SSE	3	c	3
Hurst Castle ...	29·78	55	53	SSW	2	om	2
Dungeness ...	29·82	58	55	SSE	2	b	1
North Foreland	29·85	61	53	S	3	b	2
London (Westminster)	29·80	57	53	SW	2	o	*
Yarmouth ...	29·81	57	54	S	4	be	4
Rochefort ...	29·83	69	61	S	2	c	*

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

Weather in morning rainy over Wales and the northern and central parts of England, dull in the southern parts of England and Ireland, as well as in many parts of Denmark, Germany, the Netherlands, France, and the Spanish Peninsula. Fine in the extreme north and northwest of our Islands and also over northern and eastern Europe generally and in Italy. Rain falling during day in most parts of the United Kingdom, as well as at several of the French and German stations, but weather improving in the east and southeast of England.

Temperature risen generally, but fallen in Greece and Italy. Morning readings highest 69° at Sirke, Athens, Patras, and Odessa, and 68° at Nicolaieff and Algiers; above 60° in most parts of central, southern, and Eastern Europe, but below 55° over Central Spain. Lowest (1) 46° at Archangel and 49° at Uleaborg; (2) 48° at York and Spurn Hd and 49° at Sumburgh Hd, Shields, and Loughborough. Rising during day to 60° and upwards in several parts of the United Kingdom, but remaining below 55° in the north of England. Exceeding 65° at many of the French and German stations, and reaching 72° at Biarritz.

Wind light to moderate from the S.E. over France, the Netherlands, Western Germany, and the southeast of England; E. over Denmark and the Baltic; N.E. over the south of Scandinavia and all the northern and western parts of the United Kingdom, and strong in force on our northwest coasts. Calm over the northern parts of Russia and Scandinavia; E. or N.E. in the south of Russia, and also over the Spanish Peninsula and the extreme south of France; N. (NE to NW) over Italy and the Adriatic. Subsequently backing to the S.E. over France and the southeast of England; no important change occurring elsewhere.

Barometer highest 30·3 ins: and upwards over Finland; 30·1 ins: and upwards, in an anticyclone covering the whole of northern Europe and extending westwards over the north of Scotland. Lowest 29·6 ins. and less, in a depression lying off the southwest coasts of Portugal; 29·8 ins: and less, in a large shallow area extending from Spain over the Bay of Biscay and the greater part of England. Portuguese depression subsequently moving northwards, low pressure area over England spreading gradually over Ireland and Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 23rd May, 1898.

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 ...	29.94	47	N	0	c	29.94	-.01	45	41	+ 5	NNW	2	0	*	c	*	48	34	-
	Hernösand ...	29.98	52	N	0	b	30.01	+.02	51	44	- 3	NW	6	b	*	b	*	68	39	-
	Stockholm ...	29.96	59	E	2	bc	29.95	-.06	51	47	- 7	ENE	4	r	*	bc	*	70	45	0.08
	Wisby	29.93	55	SE	4	bc	29.86	-.11	55	54	- 10	NNE	2	bc	*	bc	*	72	50	-
	Karlstad ...	29.90	68	ENE	1	0	29.91	-.09	52	51	- 8	NE	4	tlr	*	0	*	*	*	0.51
	Bodö	30.22	40	NNW	4	0	30.23	+.10	44	39	+ 1	N	4	c	2	0	*	45	?	-
	Christiansund ...	30.14	49	N	4	b	30.14	-.01	45	41	- 2	N	4	bc	4	b	*	52	41	-
	Skudesnaes ...	29.94	57	N	2	m	29.86	-.09	55	54	- 2	ENE	4	r	2	m	*	62	50	*
	Færder (Christiania Fjord)	29.89	62	NNE	2	b	29.89	-.08	53	50	- 1	NNE	5	0	3	b	*	63	52	-
	Skagen (The Scaw)	29.88	57	N	1	c	29.82	-.13	58	55	+ 3	E	1	m	0	c,tl	*	68	48	-
	Fanö	29.91	51	NW	2	bc	29.83	-.14	50	49	- 1	NW	4	0	*	bc	*	63	48	-
	Sumburgh Head	30.00	49	NE	4	0	29.95	-.06	46	45	- 1	NE	4	0	6	0	*	50	44	-
	Stornoway ...	29.94	50	E	4	0	29.94	-.02	50	49	+ 2	E	3	c	3	r.0	0.5	51	45	0.05
	Wick	30.00	46	E	3	r	29.99	-.01	48	46	+ 1	E	3	0	2	r	*	48	45	0.03
	Nairn	29.96	48	E	1	0	29.97	+.02	49	48	+ 2	E	2	0	1	0	*	49	45	0.04
	Aberdeen ...	29.96	48	E	3	0q	29.96	+.03	50	48	+ 3	NE	2	0q	2	0q	0.0	50	46	0.01
	Leith	29.89	50	ENE	1	0	29.94	+.07	47	47	- 1	E	1	m	*	0	*	53	44	0.03
	Shields	29.89	49	NE	1	0f	29.91	+.02	44	44	- 4	NNE	3	f	3	0f	*	49	42	-
	Spurn Head ...	29.80	52	E	4	b	29.80	-.06	55	52	+ 1	E	4	b	4	b,l	*	57	50	-
	York	29.83	60	E	1	b	29.84	-.02	55	52	- 1	NNE	2	c	*	b	11.8	67	45	-
	Loughborough ...	29.74	65	SE	3	c	29.81	-.02	51	51	- 3	N	1	0gf	*	ptl,f2	*	66	48	0.07
British Isl.	Ardrossan ...	29.81	58	NE	2	bcm	29.84	+.01	52	50	0	NE	5	bm	2	bcm	*	60	46	-
	Malin Head ...	29.78	51	E	5	cm	29.78	-.02	50	48	+ 1	E	6	cp	3	c,m	*	53	48	0.02
	Belmullet ...	29.74	55	NNE	2	0	29.75	-.02	54	52	+ 3	ESE	2	0	*	0,p	*	60	48	0.08
	Donaghadee ...	29.78	57	NNW	3	c	29.80	-.02	51	50	+ 1	E	6	c	4	c	*	57	48	0.12
	Liverpool (Bidston)	29.74	52	W	2	0	29.79	-.01	54	51	- 1	ESE	2	m	?	bc,tlr	*	63	47	1.03
	Holyhead ...	29.76	53	W	0	tlr	29.74	-.02	54	53	0	NE	1	cp	0	tlr	*	62	50	0.22
	Parsonstown ...	29.69	55	SE	1	r	29.71	.00	55	52	+ 3	SE	1	c	*	c,r,c	3.9	63	46	0.14
	Valencia ...	29.63	57	ESE	2	0	29.65	-.02	55	52	+ 4	E	2	0	3	0	0.6	60	49	0.06
	Roche's Point ...	29.68	54	SE	4	c	29.70	+.01	53	51	+ 1	ESE	4	0	3	c	*	58	50	-
	Pembroke (St. Ann's Hd.)	29.70	55	SE	4	r	29.71	.00	55	53	+ 3	SE	3	c	3	c,r	4.2	57	49	0.33
	Scilly	29.64	54	SE	2	rm	29.62	-.01	54	52	+ 1	E	3	0	2	rm	0.0	55	51	0.03
	Prawle Point ...	29.68	52	ENE	2	c	29.69	-.02	57	55	+ 6	NNE	3	bc	2	c,pl	*	57	50	0.03
	Jersey (St. Aubin's)	29.69	58	ESE	4	orm	29.67	-.03	63	58	+ 6	SE	1	bm	1	c,tlr	*	65	52	0.33
	Hurst Castle ...	29.73	55	SSW	3	tlr	29.70	-.06	59	56	+ 4	NE	1	bcm	1	tlr	*	63	53	0.16
	Dungeness ...	29.72	58	ENE	2	b	29.70	-.09	59	56	+ 5	ENE	2	c	1	bc,b	*	62	52	-
	North Foreland	29.77	54	ENE	2	b	29.74	-.11	56	54	0	ENE	2	b	1	b	*	58	52	-
	London (Brixton) ...	29.74	68	SE	2	bcv	29.74	-.07	61	58	+ 3	SE	1	bm	*	cp,bc,bw	4.9	71	48	0.04
	Oxford	29.73	61	SSE	1	c	29.75	-.05	58	55	0	NNE	3	0	*	c	*	68	49	-
	Cambridge ...	29.76	69	E	2	b	29.77	-.07	62	59	+ 7	E	1	0	*	b,t	11.2	71	44	-
	Yarmouth ...	29.83	57	E	4	b	29.79	-.09	55	53	+ 1	E	3	b	3	b	*	58	50	-
Germany & Holland.	Cuxhaven ...	29.91	57	W	0	b	29.86	-.11	55	54	+ 2	N	1	c	*	b	*	59	52	-
	Berlin	29.86	63	SE	3	b	29.82		60	58		SSE	1	bc	*	t	*	72	54	0.39
	Wiesbaden ...	*	*	*	*	*	29.80	-.17	60	56	+ 5	NE	1	b	*	*	*	72	52	-
	Munich	29.88	59	W	0	c	29.81	-.17	60	57	+ 7	SE	2	b	*	c	*	66	46	-
	The Helder ...	29.83	59	ENE	2	b	29.81	-.12	58	54	+ 1	E	1	b	2	b	*	61	55	-
Belgium.	Brussels ...	*	*	*	*	*	29.77	-.12	64	59	+ 2	E	1	bc	*	c	*	73	51	-
	Cape Gris Nez ...	?	65	S	1	c	?	?	62	56	+ 8	SE	2	b	1	c	*	70	48	-
	Paris	29.72	68	ESE	2	bc	29.74	-.08	59	58	0	SE	1	bc	*	bc	*	73	51	-
	Brest	29.63	57	E	1	0	29.69	+.02	55	53	+ 2	ENE	1	b	1	0	*	63	52	-
	Lorient	29.65	57	S	1	bc	29.64	-.03	57	55	+ 6	E	1	b	1	bc	*	68	48	-
France &	Rochefort ...	29.62	66	S	2	c	29.63	-.05	56	54	- 1	S	1	c	*	c	*	79	55	0.16
	Belfort	29.79	63	E	1	0	29.78	-.10	58	55	+ 5	W	0	m	*	0	*	69	50	-
	Lyons	29.78	58	S	2	c	29.75	-.10	58	55	+ 6	S	1	r	*	0	*	66	52	0.12
	Nice	29.79	60	E	8	r	29.78	-.20	59	58	+ 8	W	0	0	2	r	*	64	51	0.12
	Perpignan ...	29.75	57	E	5	b	29.78	-.04	59	58	+ 1	W	0	0	*	r	*	62	52	0.83
	Biarritz ...	29.60	64	S	3	0	29.70	+.04	59	54	- 4	SW	2	0	2	0	*	72	55	-
Peninsula.	Corunna ...																*			
	Lisbon	29.80	58	WSW	4	c	29.91	+.24	59	54	+ 1	NNW	4	bc	*	c	*	63	55	-
	Azores (P. Delgada)	30.06	59	NNW	3	0	30.06	+.04	61	54	+ 2	NNW	2	c	2	0	*	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 6.7 hrs;

WEATHER CHARTS

FOR Monday 23rd May, 1898

BAROMETER, WIND AND SEA.

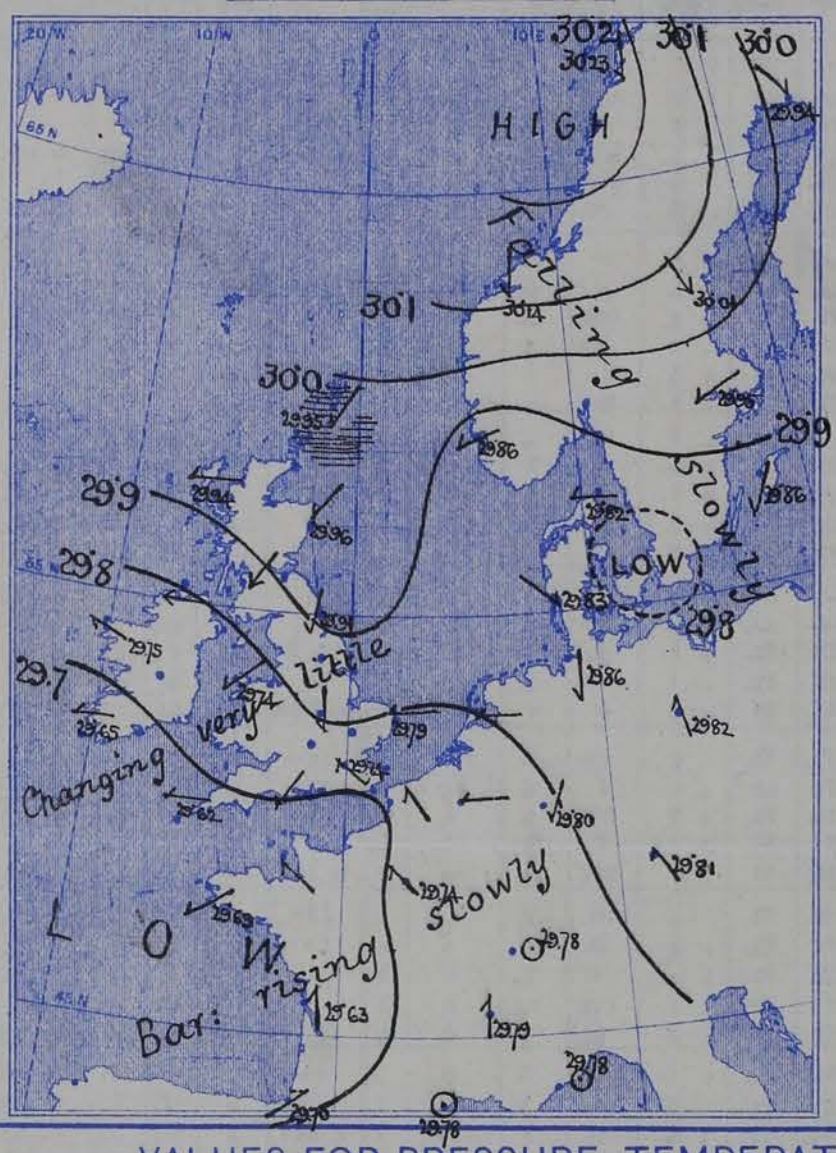
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

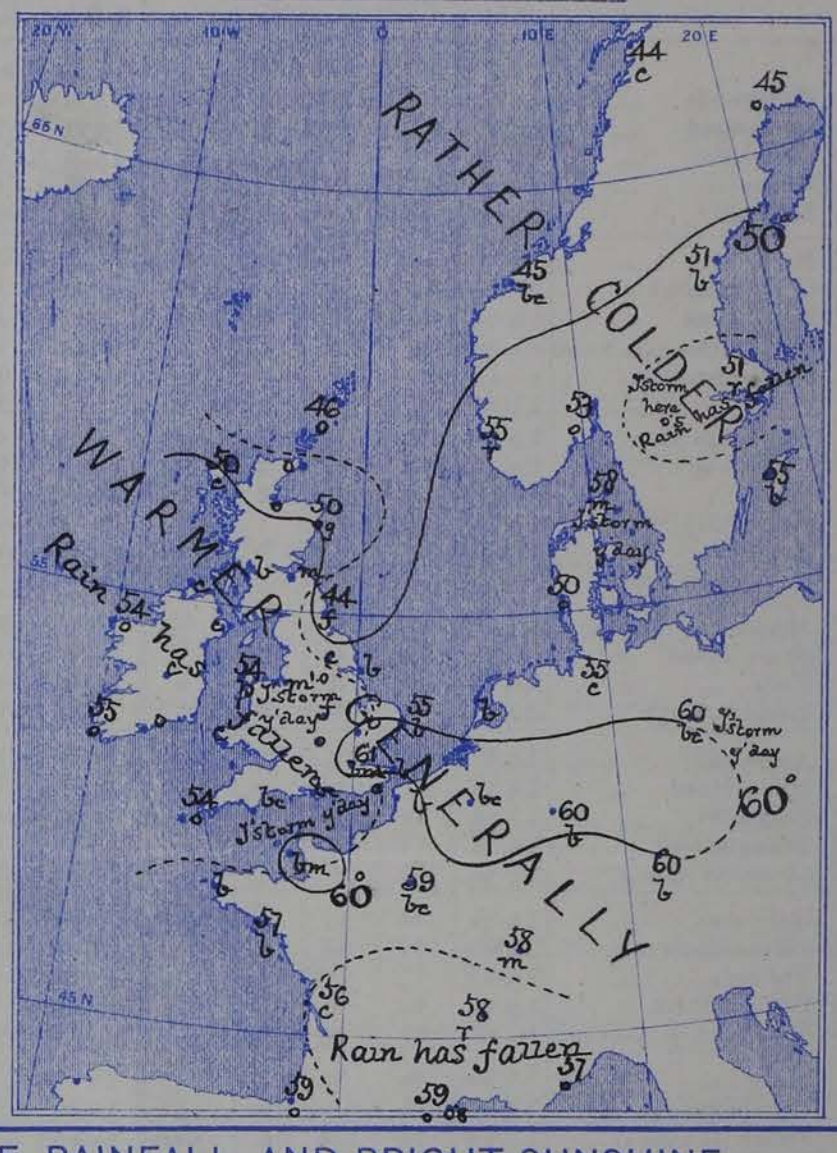


TEMPERATURE & WEATHER.

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 off the northern parts of the Norwegian coast; 29·9 ins: and upwards in the south of Portugal.
Lowest, 29·7 ins: and less in a large shallow depression lying over the Bay of Biscay, the west and north of France, and the extreme south and southwest of our Islands; 29·8 ins: and less in another shallow depression over Denmark.
Gradient slight. Barometer changing very little in our Islands, rising slightly in France, falling in Scandinavia, Denmark and Germany.

TEMPERATURE

Highest, 64° at Brussels, 63° at Jersey, 62° at Cambridge, 61° in London, and 60° at Berlin, Wiesbaden, and Munich.
Lowest, (1) 44° at Shields and 47° at Leith; (2) 44° at Bodö and 45° at Haparanda and Christiansund.
During yesterday the thermometer rose to 65° and upwards at many of the English stations, and to 71° in London and at Cambridge. On some parts of our north and northeast coasts it did not reach 50°.

WIND

E. or NE. over the greater part of our Islands and also in the south of Scandinavia; light or moderate in force generally, but strong in the north of Ireland.
Light from the S. or SE. over the greater part of France and Germany, but calm in the extreme south of France.
N. or NW. over the northern parts of Scandinavia.

WEATHER

Fair on the east and south coasts of England, as well as over the Netherlands, Germany, and the north of France.
Cloudy or dull elsewhere, with fog at Shields, passing showers at Holyhead, rain in the south of Scandinavia, and a thunderstorm at Karlstad.
Rain fell yesterday, at all but a few of our eastern and southern stations, and thunderstorms occurred in many parts of England and Wales, as well as at Skagen and Berlin, the accompanying rainfall being as much as 1·0 in: at Liverpool. A Solar halo was seen yesterday at Oxford.

SEA

Slight or smooth generally, but rough at Lerwick and Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometrical changes are at present slight and of a rather indefinite character. The low pressure area in the south is, however, inclined to spread northwards so that showers and local thunderstorms are not improbable over our Islands.

FORECASTS

For the 24 hours ending at NOON on 24TH MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. and NE. winds, moderate; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	E. and NE. winds, light; fair at first, doubtful later, probably local thunderstorms.
6	SCOTLAND WEST	E. or NE. winds, moderate; changeable, some showers, thunder locally.
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 ...	29.96	62	55	SW	0	0	1
Sumburgh Head							
Stornoway	29.96	48	47	ESE	4	0	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.79	52	51	E	3	c	1
Belmullet	29.75	55	53	ENE	2	0	*
Holyhead							
Valencia							
Scilly							
Jersey	29.68	62	58	ESE	2	c	2
Hurst Castle ...							
Dungeness ...	29.77	62	59	ENE	2	bc	1
North Foreland	29.80	58	55	E	3	b	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.67	72	66	SW	2	bc	*

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

Continental Information not received.

SUMMARY OF THE CHANGES IN THE WEATHER OVER EUROPE FROM THE 15TH TO THE 21ST MAY 1898.

During this period the distribution of pressure over Europe was somewhat complex and the weather very changeable, with heavy falls of rain in many of the western and southern countries. Early in the week two anticyclones were observed, the one fairly stationary over northern Russia, the other spreading over our Islands from the Atlantic. Prior to the advance of the latter a small shallow depression moved eastwards along the English Channel and occasioned rain over the south of England and the neighbouring parts of the Continent, while later on another shallow system formed over the North Sea, whence it passed finally on to Denmark, and afterwards northwards across Scandinavia, several other disturbances being observed in the meantime over Southern Europe and the Mediterranean.

On the 17th yet another shallow depression appeared off the west of Scotland and advanced in a south-southeasterly direction, but eventually dispersed on reaching England. The anticyclone over northern Russia now extended westwards, and for a time embraced the whole of the United Kingdom, its influence being felt over our extreme northern districts until very nearly the close of the week. On the 18th however, a large and complex depression began to spread northwards from Algeria and the western parts of the Mediterranean, and later on when the borders of the system reached our own southern coasts the wind increased considerably from the NE. in many parts of our Islands and the Continent, with a pale in the east and southeast of England, as well as over the Irish Sea. Considerable falls of rain occurred over England on the 19th and 20th, and still larger amounts in many parts of France and northern Italy, the weather being cold in England and France, but fine and warm in Ireland and Scotland. By the end of the week the depression had spread almost entirely over our Islands and the North Sea, and while the rainy weather had extended over Ireland and Scotland the conditions in the south were improving with light S. breezes and a rising temperature.

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 24th May, 1898.

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 ...	30·04	39	N	4	o	30·01	+ ·07	40	37	— 5	ENE	4	c	*	o	*	50	37	0·04
	Hernösand ...	30·00	47	2	o	bc	29·94	— ·07	45	40	— 6	NW	4	o	*	bc	*	57	45	—
	Stockholm ...	29·89	46	NE	4	r	29·84	— ·11	42	39	— 9	NE	6	o	*	r	*	59	42	0·12
	Wisby	29·75	47	ENE	4	r	29·75	— ·11	43	42	— 12	NE	6	o	*	r	*	68	43	0·16
	Karlstad ...	29·90	49	NE	2	o	29·89	— ·02	50	44	— 2	NE	4	b	*	o	*	*	*	0·39
	Bodö	30·13	43	NNW	4	b	30·03	— ·20	46	41	+ 2	N	2	o	1	b	*	46	37	—
	Christiansund ...	30·06	47	NE	8	b	29·97	— ·17	46	44	+ 1	NE	4	c	4	b	*	50	43	—
	Skudesnaes ...	29·86	56	2	o	o	29·91	+ ·05	54	51	— 1	2	o	b	o	b,o	*	61	50	*
	Færder (Christiania Fjord)	29·86	54	ENE	4	o	29·90	+ ·01	51	44	— 2	NNE	4	bc	2	o	*	55	48	0·12
	Skagen (The Scaw)	29·76	51	ENE	3	o	29·84	+ ·02	49	45	— 9	NE	4	b	1	o	*	66	46	—
	Fanö	29·74	50	WNW	2	o	29·69	— ·14	53	52	+ 3	NNE	2	o	*	o	*	54	48	—
	Sumburgh Head	29·94	48	NE	4	bc	29·91	— ·04	47	46	+ 1	NE	5	o	6	c,bc	*	50	43	—
	Stornoway ...	29·93	52	E	5	c	29·94	·00	48	45	— 2	E	4	o	4	bc,c	12·6	55	44	—
	Wick	29·97	46	E	3	o	29·93	— ·06	46	45	— 2	E	3	o	2	o	*	48	44	—
	Nairn	29·96	50	E	2	c	29·95	— ·02	47	45	— 2	ENE	1	o	1	c	*	52	44	—
	Aberdeen ...	29·94	49	NNW	3	og	29·92	— ·04	46	44	— 4	NNW	3	og	3	o.og	0·0	54	45	—
	Leith	29·91	50	ESE	2	c	29·91	— ·03	48	47	+ 1	E	1	o	*	c	*	50	45	—
	Shields	29·91	45	NNE	2	of	29·92	+ ·01	44	44	o	N	3	o	3	of	*	47	42	—
	Spurn Head ...	29·81	52	ENE	3	b	29·87	+ ·07	46	45	— 9	N	4	o	4	b,f	*	57	44	—
	York	29·84	60	E	1	b	29·91	+ ·07	48	46	— 7	NNE	1	o	*	b,c	5·2	66	44	—
	Loughborough ...	29·77	64	ENE	2	c	29·88	+ ·07	48	47	— 3	ENE	3	omw	*	c,tl,om	*	70	46	0·01
British Islands.	Ardrossan ...	29·87	56	NE	5	bm	29·87	+ ·03	52	50	o	NNE	3	bm	1	pm,b	*	59	46	0·01
	Malin Head ...	29·80	52	ESE	2	cm	29·85	+ ·07	52	50	+ 2	E	4	bm	2	cm	*	55	49	—
	Belmullet ...	29·76	56	ENE	1	o	29·81	+ ·06	57	55	+ 3	E	3	o	*	op,o	*	62	52	0·03
	Donaghadee ...	29·85	56	SE	3	c	29·88	+ ·08	54	52	+ 3	NNW	3	bc	1	c	*	58	48	—
	Liverpool (Bidston)	29·76	64	E	4	bc	29·84	+ ·05	55	50	+ 1	ESE	2	b	2	bcm	*	66	46	—
	Holyhead ...	29·74	61	NE	2	ctp	29·79	+ ·05	55	53	+ 1	NE	2	cmp	1	bcm,ctp	*	66	51	0·06
	Parsonstown ...	29·72	60	E	1	c	29·77	+ ·06	58	55	+ 3	SE	1	c	*	op,c	1·4	61	52	0·02
	Valencia ...	29·65	56	E	2	o	29·75	+ ·10	57	53	+ 2	E	2	c	2	o	0·0	58	52	0·09
	Roche's Point ..	29·68	57	ESE	4	o	29·80	+ ·10	55	54	+ 2	SE	1	c	3	r.o,lp	*	58	50	0·40
	Pembroke (St. Ann's Hd.)	29·68	66	2	o	c	29·77	+ ·06	51	50	— 4	SW	2	f	2	c	5·2	67	49	0·02
	Scilly	29·67	54	SSE	1	ef	29·75	+ ·13	58	55	+ 4	SSW	1	c	o	f,ef	4·0	58	52	—
	Prawle Point ...	29·68	60	E	2	bc	29·76	+ ·07	52	52	— 5	SW	2	o	2	bc,f	*	65	50	—
	Jersey (St. Aubin's)	29·67	67	E	2	bc	29·79	+ ·12	55	54	— 8	WNW	3	o	3	lp,bc,pg	*	71	51	0·22
	Hurst Castle ...	29·70	65	E	1	cm	29·75	+ ·05	59	57	o	ENE	1	cm	1	bc,cm	*	70	55	—
	Dungeness ...	29·71	58	NE	3	c	29·75	+ ·05	56	55	— 3	NE	4	c	3	bc,c	*	64	53	—
	North Foreland	29·74	60	E	1	c	29·80	+ ·06	54	52	— 2	NE	3	c	2	c	*	60	52	—
	London (Brixton) ...	29·72	62	SE	1	o	29·80	+ ·06	55	53	— 6	ENE	2	oa	*	bc,pt,og	8·0	76	54	0·04
	Oxford	29·75	61	SE	1	o	29·82	+ ·07	53	51	— 5	NE	2	o	*	c,t,lr	*	72	51	0·03
	Cambridge ...	29·75	68	E	2	bc	29·86	+ ·09	53	51	— 9	N	3	o	*	bc	8·0	77	46	—
	Yarmouth ...	29·79	56	ENE	3	c	29·84	+ ·05	49	47	— 6	NNE	4	ef	4	b,c	*	59	46	—
Germany & Holland.	Cuxhaven ...	29·80	55	NW	2	f	29·72	— ·14	52	52	— 3	WSW	3	m	*	f	*	57	50	—
	Berlin	29·73	68	2	o	bc	29·72	— ·10	61	57	+ 1	NW	4	bc	*	bc	*	75	54	—
	Wiesbaden ...	*	*	*	*	*	29·77	— ·03	59	56	— 1	W	1	o	*	*	*	73	57	—
	Munich	29·79	57	W	3	r	29·85	+ ·04	56	52	— 4	W	5	bc	*	r	*	72	48	0·12
	The Helder ...	29·80	58	NE	2	b	29·78	— ·03	51	50	— 7	NNW	2	o	2	b	*	61	46	—
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	?	65	SE	1	m	?	?	55	55	— 7	E	1	m	o	mw	*	73	52	—
	Paris	29·73	65	SE	2	bc	29·78	+ ·04	54	54	— 5	SSE	2	o	*	bc	*	71	51	0·04
	Brest	29·70	57	NW	1	c	29·78	+ ·09	54	52	— 1	W	1	bc	2	c	*	59	50	—
	Lorient	29·71	58	W	4	c	29·81	+ ·17	54	53	— 3	WNW	1	c	1	c	*	68	48	—
France &	Rochefort ...	29·72	57	W	4	r	29·80	— ·17	58	57	+ 2	WNW	3	c	*	r	*	66	54	0·35
	Belfort	29·80	55	W	3	o	29·82	+ ·04	53	50	— 5	W	1	o	*	o	*	72	50	0·32
	Lyons	29·82	58	S	2	bc	29·87	+ ·08	57	51	— 1	SW	1	c	*	bc	*	65	49	0·04
	Nice	29·90	57	E	3	c	29·94	+ ·16	58	50	— 1	E	2	bc	2	c	*	64	55	—
	Perpignan ...	29·81	61	NE	2	o	29·90	+ ·12	60	57	+ 1	2	0	b	*	o	*	69	57	0·04
	Biarritz ...	29·79	63	NNW	3	bc	29·84	+ ·14	57	55	— 2	ENE	3	o	2	bc	*	66	55	—
Peninsula.	Coruna ...														*		*			
	Lisbon	29·99	59	WNW	3	b	29·96	+ ·05	57	55	— 2	SW	4	o	*	b	*	63	55	0·04
	Azores (P. Delgada)	30·15	61	NNW	3	c	30·18	+ ·12	63	57	+ 2	NNW	3	b	2	c	*	68	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 7·0 hrs;

WEATHER CHARTS

FOR Tuesday 24th May, 1898

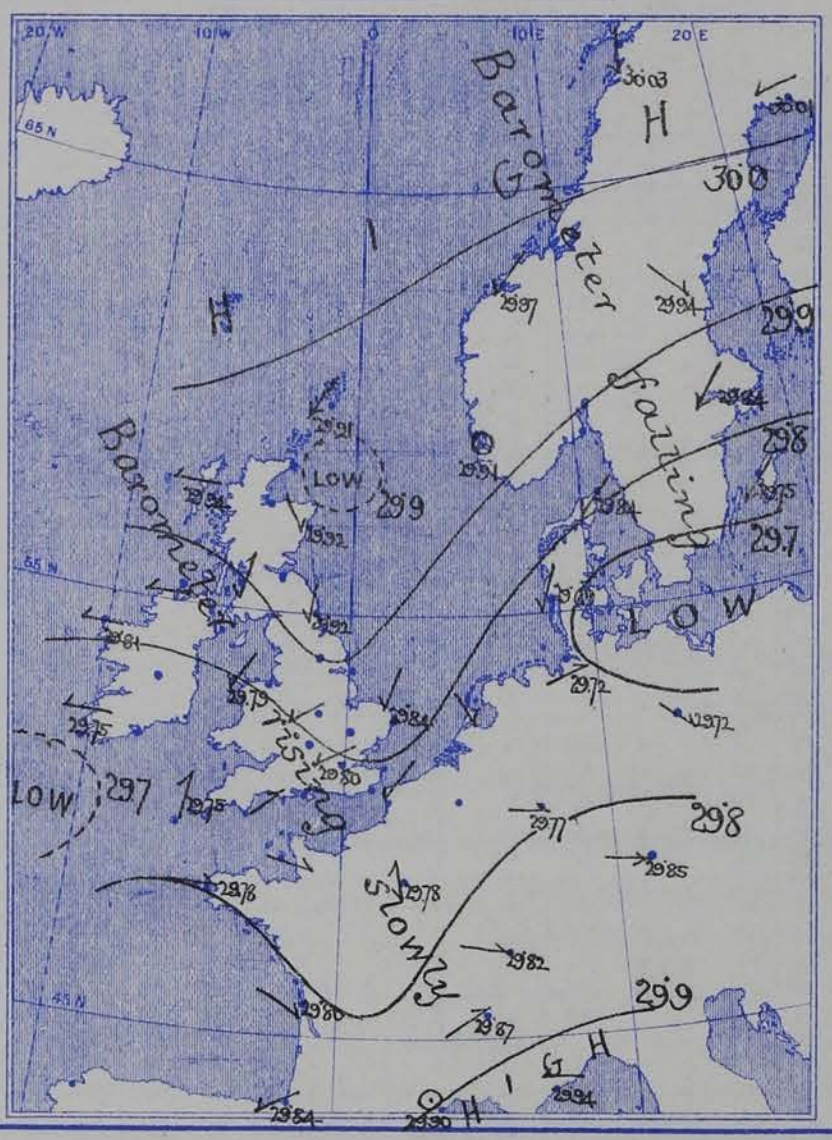
BAROMETER, WIND AND SEA.

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* ▬

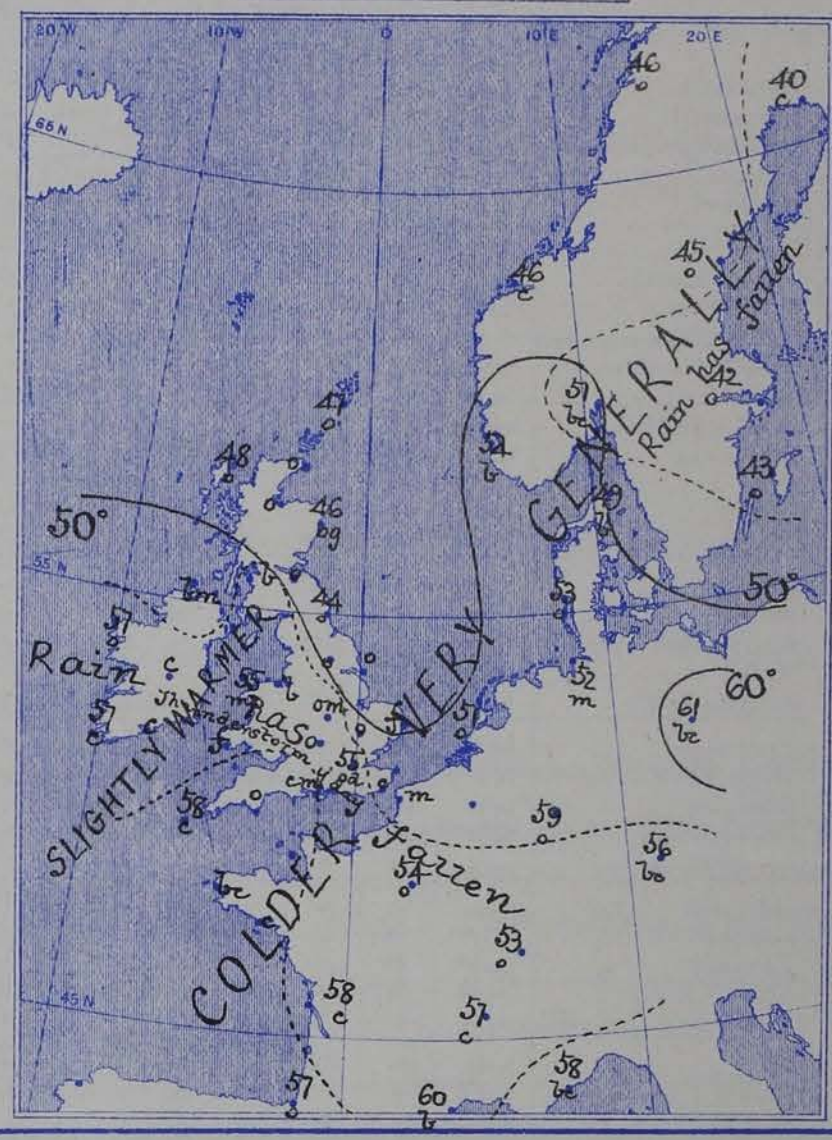


TEMPERATURE & WEATHER.

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) 30.0 ins. and more to 29.9 ins. over the most northern parts of our area, (2) exceeding 29.9 ins. in the south of France.
Lowest below 29.7 ins. (1) in a shallow depression over N. Germany and the Baltic, and (2) in another off our extreme southwestern coasts.
Gradients slight. Distribution was very complex. Barometer rising in the south and west, falling over Germany and Scandinavia.

TEMPERATURE

Highest 61° at Berlin, 60° at Perpignan, 58° at Parsonstown, 55° in London.
Lowest 40° at Haparanda, 46° to 48° in the N. and E. of Scotland, 44° at Shields.
The highest of the maxima recorded yesterday were 77° at Cambridge, 76° in London, 71° at Jersey, 70° at Loughborough. At Paris the maximum was 73°, at Belfort 72°, but at Nice only 64°.

WIND

Chiefly NE. by N. over our Islands, and variable from the W. by N. over France; in the south of Sweden it is NE. by N., but in Germany NW. by N. to W. by N.

WEATHER

Cloudy or overcast at most stations with slight misty showers in some parts of England.
Rain had fallen in many parts of Ireland, the S. of England and France, and locally over some parts of Germany and Sweden. Thunderstorms had occurred in many places.
Bright sunshine reported yesterday amounted to 12½ hrs. both at Stornoway and Eastbourne, to 11.8 hrs. at Hastings, 10 hrs. at Brighton, 8 hrs. both at Cambridge and in London. In Ireland there was hardly any.

SEA

Still rough in the far N.; it was moderate at Spurn Hd. and Yarmouth, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable close weather is still probable, with local showers, and in some cases thunder.

FORECASTS

For the 24 hours ending at NOON on 25TH MAY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Varying N. by W. to E. by N. airs, dull, showery, some thunder.	6 SCOTLAND WEST	Varying N. by W. to E. by N. airs, dull, showery, some thunder.
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 ...	29.87	60	56	SW	0	o	1
Sumburgh Head	29.95	48	46	NE	4	c	6
Stornoway	29.90	55	51	E	5	bc	6
Aberdeen	29.95	53	50	N	2	o	3
Shields	29.92	46	46	NNE	2	of	3
Ardrossan	29.84	57	56	NE	5	pm	2
Malin Head ...	29.88	54	52	E	2	c	*
Belmullet	29.74	61	56	E	3	op	*
Holyhead	29.77	62	59	NW	1	bcm	*

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.67	57	52	E	3	o	3
Scilly	29.64	56	55	SE	3	f	2
Jersey	29.67	65	61	ESE	2	p	2
Hurst Castle ...	29.68	70	61	E	2	bc	2
Dungeness ...	29.71	61	59	NE	2	bct	*
North Foreland	29.74	59	56	E	2	bc	*
London (Westminster)	29.73	72	61	E	3	bm	*
Yarmouth ..	29.79	59	55	NNE	3	b	3
Rochefort ...	29.67	59	55	SW	4	r	*

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

Weather in morning in a very changeable condition over our Islands and the W. and central countries of Europe generally — clear in some places, cloudy, overcast or misty in others, with showers in some parts of France, the British Islands and the S. of Scandinavia; thunderstorm at Karlsruhe. Rain falling later in several parts of Ireland, England and France, as well as in some parts of Germany and Sweden. Thunder and lightning in several parts of England.

Temperature changing fitfully. Morning readings highest 73° at Athens, 71° at Constantinople and Brindisi, and exceeding 60° at many stations in Russia, Germany, France and England. Lowest (1) 37° at Archangel, 45° at Haparanda and Christiansund, 46° at Sumburgh H., (2) 44° at Shields, 47° at Leith. Rising later to 70° or more in several parts of France, Germany and England, and touching 73° at Paris, 75° at Berlin, 76° in London, and 77° at Cambridge, but falling briskly over England still later.

Wind light to moderate and very variable over the British Islands and Europe generally, but chiefly N. ¾ E. ¾ over the northern countries and S. ¾ to W. ¾ in the south. No decided change later.

Barometer highest (1) 30.2 ins. and more to 29.9 ins. over Nrn Europe, including Scotland (2) exceeding 29.9 ins. over SErn Europe, the N. of Africa and the SW. of Spain, and exceeding 30.0 ins. in the Azores. Lowest below 29.7 ins. over the Bay of Biscay, the W. and N. of France, and the SW. of our Islands, and below 29.9 ins. all over central and Ern Europe. Rising later at the SWrn stations. No decided change elsewhere.

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 Wednesday, 25th May, 1898.

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 ...	29.98	39	E	6	r	29.95	-.06	44	37	+ 4	NE	6	bc	4	r	4	45	34	0.08
	Hernösand ...	29.89	42	NE	2	0	29.83	-.11	40	37	- 5	NE	4	0	4	0	4	50	37	0.04
	Stockholm	29.79	39	NNE	4	0	29.75	-.09	42	39	0	N	4	0	4	0	4	46	37	-
	Wisby	29.75	40	NNE	4	0	29.72	-.03	41	39	- 2	N	6	0	4	0	4	43	37	0.04
	Karlstad ...	29.80	48	NNW	2	c	29.78	-.11	44	39	- 6	E	4	0	4	c	4	4	4	-
	Bodö	30.03	44	E	4	b	30.04	+.01	45	37	- 1	ENE	4	b	1	b	4	52	36	-
	Christiansund ...	29.83	48	NE	4	bc	29.76	-.21	49	43	+ 3	NE	5	bc	?8	bc	4	52	45	-
	Skudesnaes ...	29.79	47	NW	4	c	29.58	-.33	46	44	- 8	W	0	0	1	c	4	55	43	4
	Færder (Christiania Fjord)	29.72	53	W	3	0	29.71	-.19	41	39	- 10	SE	6	r	3	0	4	57	41	0.35
	Skagen (The Scaw)	29.76	51	NNW	1	0	29.68	-.16	47	45	- 2	ESE	3	r	0	0	4	61	45	0.08
	Fanö	29.75	50	NE	1	b	29.68	-.01	48	47	- 5	SE	2	b	4	b	4	59	48	-
	Sumburgh Head	29.92	47	N	3	c	29.81	-.10	45	42	- 2	N	3	0	5	bc.c	4	51	40	0.01
	Stornoway ...	29.97	51	E	5	bc	29.94	.00	45	43	- 3	N	6	0	6	b,bc	12.2	54	42	-
	Wick	29.96	46	E	3	0	29.87	-.06	47	46	+ 1	E	3	0	2	0	4	50	40	0.03
	Nairn	29.96	50	ENE	1	0	29.90	-.05	48	45	+ 1	E	1	c	1	0	4	55	41	-
	Aberdeen ...	29.90	47	NNW	4	0 g q	29.83	-.09	45	43	- 1	NW	5	0 g q r	4	0 g q	0.0	50	43	-
British Islands.	Leith	29.88	51	E	1	b	29.83	-.08	54	49	+ 6	E	1	bc	4	b	4	57	44	-
	Shields	29.90	48	NE	1	0	29.84	-.08	47	45	+ 3	N	3	0	3	0	4	49	43	-
	Spurn Head ...	29.87	47	N	4	0	29.76	-.11	47	46	+ 1	N	4	0 r	4	0	4	50	46	-
	York	29.87	56	E	1	c	29.82	-.09	47	45	- 1	N	3	0	4	0	0.4	58	45	-
	Loughborough ...	29.87	53	NE	2	0	29.83	-.05	49	47	+ 1	W	0	0 q m	4	0 m,q m	4	56	46	-
	Ardrossan ...	29.83	62	NNW	1	b m	29.82	-.05	54	52	+ 2	WSW	1	b m	1	b m	4	65	50	-
	Malin Head ...	29.87	55	E	2	b m	29.88	+.03	49	47	- 3	NE	5	b c m w	3	b m	4	57	47	-
	Belmullet ...	29.86	58	NE	3	c									4		4			
	Donaghadee ...	29.85	64	NNW	3	b	29.94	-.04	54	52	0	NNW	2	m	0	b	4	64	49	-
	Liverpool (Bidston)	29.82	60	SSE	1	b	29.80	-.04	52	50	- 3	SE	1	0	?	b m	4	68	48	-
	Holyhead ...	29.82	57	NW	1	bc	29.80	+.01	56	54	+ 1	NW	1	b f	1	c m,bc	4	63	49	-
	Parsonstown ...	29.80	61	W	0	0	29.84	+.07	58	55	0	N	1	b	4	0 k,b	2.4	69	47	0.02
	Valencia ...	29.83	51	W	1	0	29.84	+.09	61	57	+ 4	NNE	1	b c m	2	c.0	4.7	61	51	0.01
	Roche's Point ...	29.81	53	S	2	c	29.83	+.03	55	54	0	N	1	o m	2	c	4	59	49	-
	Pembroke (St. Ann's Hd.)	29.81	50	NE	2	0	29.80	+.03	54	52	+ 3	S	1	o q m	0	0	0.2	57	50	-
	Scilly	29.80	58	NNW	1	bc	29.75	.00	55	54	- 3	E	2	f	1	c,bc	13.5	62	51	-
	Prawle Point ...	29.79	55	W	4	bc	29.81	+.05	51	50	- 1	ENE	3	c	2	r f	4	58	49	0.11
	Jersey (St. Aubin's)	29.80	59	WNW	3	bc	29.76	-.03	53	52	- 2	NE	4	o p m	3	c g,bc	4	60	52	0.02
	Hurst Castle ...	29.80	57	SSE	1	c m	29.80	+.05	54	52	- 5	NE	1	o m	1	f,c m	4	63	52	0.08
	Dungeness ...	29.80	53	NE	4	0	29.78	+.03	50	48	- 6	NNE	3	o p a	2	c.0	4	58	49	-
	North Foreland	29.84	51	N	3	0	29.80	.00	47	46	- 7	NNW	2	0	2	0	4	54	46	-
	London (Brixton) ...	29.80	61	NE	2	bc	29.82	+.02	49	47	- 6	NE	1	o g	4	c.0	3.3	70	47	-
	Oxford	29.85	50	NE	1	b	29.83	+.01	47	46	- 6	W	0	0	4	b	4	60	46	-
	Cambridge ...	29.85	56	N	3	b	29.81	-.05	51	49	- 2	N	1	c	4	b	10.0	61	45	-
	Yarmouth ...	29.84	52	N	3	c	29.77	-.07	49	48	0	NNW	3	c g m	3	bc.c	4	55	45	-
Germany & Holland.	Cuxhaven ...	29.69	54	NNE	2	0	29.69	-.03	49	49	- 3	E	2	0	4	0	4	55	46	-
	Berlin	29.63	65	N	3	b	29.62	-.10	59	56	- 2	SW	2	0	4	b	4	73	54	-
	Wiesbaden ...	*	*	*	*	*	29.70	-.07	57	55	- 2	W	0	0	4	*	4	69	54	0.04
	Munich	29.79	55	W	4	0	29.76	-.09	53	51	- 3	SW	5	r	4	0	4	64	50	0.04
	The Helder ...	29.77	51	NNE	2	0	29.72	-.06	50	48	- 1	NNW	1	0	1	0	4	54	50	-
Belgium.	Brussels ...	*	*	*	*	*	29.76		50	50		NW	2	0	4	r	4	68	?43	0.04
	Cape Gris Nez ...	?	51	E	4	0	?	?	50	49	- 5	E	2	0	1	0	4	59	46	-
	Paris	29.77	58	E	1	r	29.76	-.02	52	51	- 2	NNE	2	0	4	r	4	71	57	0.20
	Brest	29.79	59	NW	1	bc	29.73	-.05	54	53	0	NE	1	bc	1	bc	4	63	48	-
	Lorient	29.80	60	W	0	b	29.71	-.10	52	51	- 2	ENE	4	b	2	b	4	68	48	-
France &	Rochefort ...	29.75	63	NW	3	bc	29.63	-.17	59	57	+ 1	ESE	3	0	4	bc	4	70	54	-
	Belfort	29.79	56	W	4	0	29.76	-.06	56	54	+ 3	W	2	0	4	0	4	64	50	-
	Lyons ...	29.82	58	WSW	1	bc	29.75	-.12	57	52	0	S	1	b	4	bc	4	66	46	0.08
	Nice	29.81	57	SW	3	c	29.74	-.20	59	56	+ 1	ESE	1	b	2	c	4	68	52	-
	Perpignan ...	29.79	65	SE	2	bc	29.72	-.18	59	?	- 1	W	1	bc	4	bc	4	72	52	-
	Biarritz ...	29.68	67	ENE	4	bc	29.69	-.15	60	55	+ 3	SW	4	b	2	bc.thr	4	72	55	0.16
Peninsula.	Corunna ...																4			
	Lisbon	29.97	57	W	4	b	29.92	-.04	56	54	- 1	WSW	5	r	4	b	4	64	54	0.08
	Azores (P. Delgada)	30.25	60	NNE	4	c	30.18	.00	60	54	- 3	NNE	3	bc	2	c	4	68	54	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on the 4 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 10.4 hrs;

WEATHER CHARTS

FOR Wednesday 25th May, 1898

BAROMETER, WIND AND SEA.

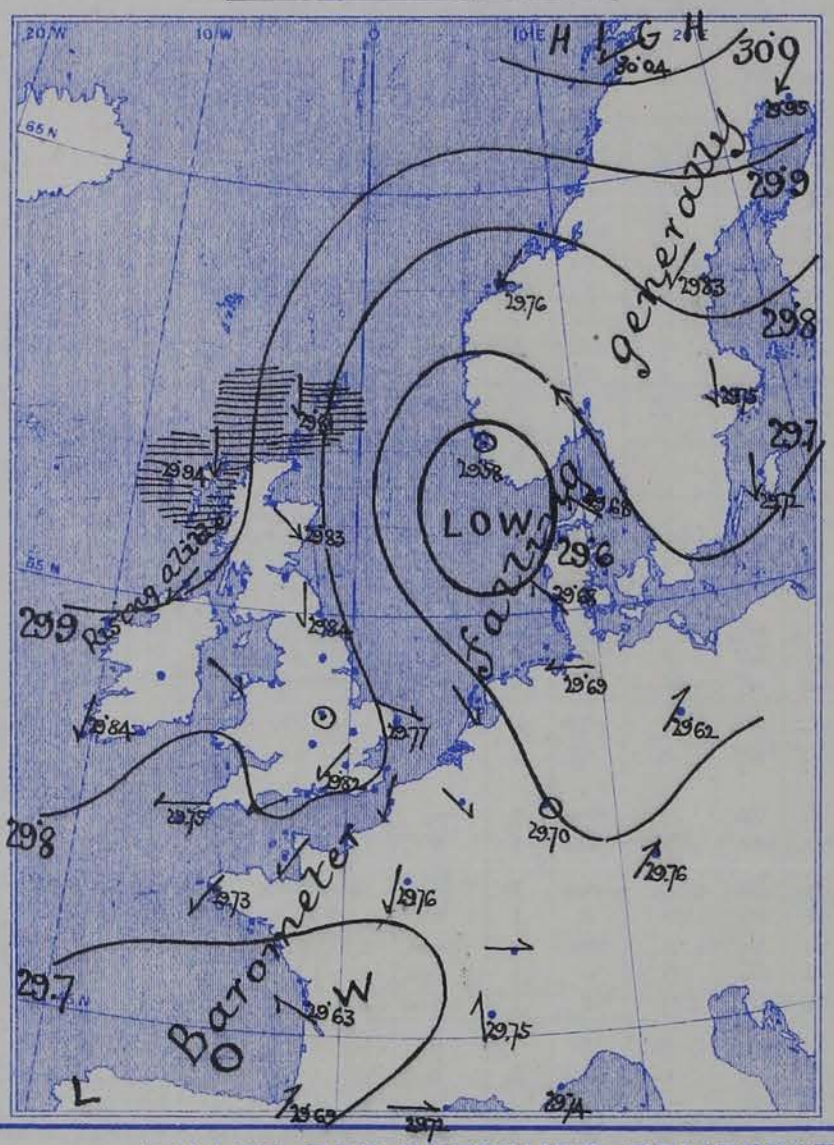
BAROMETER—Isobars are drawn for each tenth of an inch.

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) 30·0 ins: and more to 29·9 ins: over Lapland and the north of Scandinavia, and exceeding 29·9 ins: over the northwest of Scotland also.
Lowest: Below 29·7 ins: over the Bay of Biscay and the southwest of France, and below 29·6 ins: over the southwest of Norway and the northwest of Germany.
Gradient: slight – mainly favourable for N. (NW to NE) winds in our Islands, very variable on the Continent
Barometer falling except in the extreme northwest, where it is inclined to rise

TEMPERATURE

Highest, 60° to 56° over the southern parts of France, 61° at Valencia (Ireland), 59° at Berlin.
Lowest, 45° to 40° over the northern parts of Scandinavia, 47° to 45° on the north and northeast coasts of Great Britain, 47° at Oxford. It has fallen considerably over the South midland Counties.
The maxima recorded yesterday exceeded 60° in many parts of our Islands, and touched 70° in London, 71° at Paris, 73° at Berlin, 72° at Perpignan & Biarritz.

WIND

N. to NE. over Scandinavia and the greater part of our Islands, S. and SW. over Southern Europe. The N. wind is strong to moderate at our northern stations, light over England, and the SW. winds are light generally.

WEATHER

Dull and unsettled at the northern, eastern and southern stations, with rain in some places, and a very gloomy appearance in others.
Rain has fallen locally in several parts of the Kingdom, and thunder has occurred in a few places.
Bright Sunshine recorded yesterday amounted to 12·2 hrs: at Stornoway, 10·4 hrs: at Southport, and 8·7 hrs at Llandudno, elsewhere it was less, but up to 6 pm it exceeded 5½ hrs: at Hastings.

SEA

Still rough in the far north, moderate in the northeast, smooth on our south and west coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems over the Continent are encroaching more and more on our coasts, and seem likely to cause rain at many of our stations, and thunderstorms in some places.

FORECASTS

For the 24 hours ending at NOON on 26TH MAY, 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW. and N. winds; dull, rain at times, some thunder in places.	6 SCOTLAND WEST	N. and NE. breezes; some showers, bright intervals, cold tonight.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.86	55	50	NW	4	c	2
Sumburgh Head	29.92	50	48	NE	5	bc	6
Stornoway	29.95	54	49	E	5	b	5
Aberdeen	29.91	49	46	NNW	4	ogq	3
Shields	29.92	49	47	NE	2	o	3
Ardrossan	29.86	63	59	NNW	1	bm	1
Malin Head ...	29.87	57	54	E	3	b	1
Belmullet	29.85	61	58	ENE	3	o	*
Holyhead	29.82	61	58	NNE	2	cm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.81	57	54	W	0	0	1
Scilly	29.78	60	55	NE	1	c	0
Jersey	29.80	58	54	W	3	c	3
Hurst Castle ...	29.78	60	57	SSW	1	cm	1
Dungeness ...	29.78	54	52	ENE	4	c	3
North Foreland	29.84	52	50	NNE	4	o	4
London (Westminster)	29.79	65	59	ENE	2	bc	*
Yarmouth ...	29.84	54	52	NNE	4	bc	4
Rochefort ...	29.79	65	61	NW	3	bc	*

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

Weather in morning fine and bright over the Mediterranean and nearly the whole of southern and southeastern Europe, cloudy generally and unsettled over the northern countries, with showers in many places, and fog or mist at several stations, chiefly over England and the Channel on the one hand, and over North Germany on the other. Some rain falling later over certain parts of Scandinavia, Scotland, Ireland, the southwest of England, and various parts of France, thunder occurring at Parsonstown, Hurst Castle and Biarritz.

Temperature falling over Great Britain. Morning readings highest 73° to 68° over southeastern Europe, 69° at Algiers and Trieste, and exceeding 60° at all the Mediterranean stations and over the southern parts of Germany and Russia; 58° at Rochefort, Scilly, and Parsonstown, 55° in London. Lowest 37° at Archangel, 39° at Kuopio, 42° at Stockholm, 47° at St Petersburg and at Sumburgh Hd. (2) 44° at Shields, 46° at Aberdeen and Spurn Head, 48° at Loughborough. Rising later to 60° and more in many parts of our Islands, and touching 69° at Parsonstown, 70° in London, 71° at Paris, 72° at Biarritz and 73° at Berlin.

Wind light to fresh in force, but very variable in direction;—but mainly NE? to E? over all the northern countries and W? in the south. Varying in direction locally later, but no general alteration reported anywhere.

Barometer highest 30·0 in: and more to 29·9 in: over the extreme northern and also over the extreme southern parts of our area, lower over the western and central countries. 29·6 in: and less to 29·7 in: over the Baltic Provinces, the Baltic, Eastern Germany and Central Russia, apparently below 29·7 in: off our extreme southwest coast, and below 29·8 in: in a broad band extending from the Atlantic across the south of our Islands and the north of France to North Germany. Hardly any change in our Islands later, but barometer falling decidedly in the southwest of France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 26 May, 1898.

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 ...	29.93	39	NE	4	r	29.93	-.02	38	37	- 6	E	2	r	*	r	*	50	34	0.24
	Hernösand ...	29.85	39	N	4	0	29.87	+.04	41	38	+ 1	N	4	0	*	0	*	48	36	-
	Stockholm ...	29.82	41	NE	4	0	29.75	.00	42	40	0	NE	2	0	*	0	*	46	37	-
	Wisby	29.77	48	ESE	4	b	29.69	-.03	43	41	+ 2	E	4	0	*	b	*	48	37	-
	Karlstad ...	29.76	44	NE	4	0	29.74	-.04	42	38	- 2	NNE	4	0	*	0	*	*	*	-
	Bodö	29.98	48	W	0	b	29.95	-.09	48	40	+ 3	ENE	4	c	1	b	*	50	37	-
	Christiansund ...	29.73	54	NE	8	b	29.76	.00	46	40	- 3	NE	6	b	4	b	*	54	43	-
	Skudesnaes ...	29.60	48	ESE	2	0	29.62	+.04	47	42	+ 1	ENE	6	0	3	c,o	*	55	43	*
	Færder (Christiania Fjord)	29.69	42	E	5	r	29.69	-.02	40	39	- 1	ENE	6	r	4	r	*	43	39	?2.05
	Skagen (The Scaw)	29.62	49	SE	3	r	29.58	-.10	45	44	- 2	ESE	4	r	1	r	*	54	45	0.24
	Fanö	29.58	46	WNW	1	c	29.50	-.18	46	44	- 2	W	1	c	*	c	*	54	46	0.04
	Sumburgh Head	29.76	48	N	3	b	29.72	-.09	48	44	+ 3	N	3	c	5	c,b	*	52	40	-
	Stornoway ...	29.91	47	NE	5	0	29.89	-.05	45	43	0	N	3	c	3	r.o	2.1	50	38	0.02
	Wick	29.83	41	N	4	0	29.80	-.07	47	45	0	N	5	0	3	0	*	51	39	0.02
	Nairn	29.87	48	NNE	3	c	29.84	-.06	47	45	- 1	NNE	2	c	2	c	*	52	41	0.01
	Aberdeen ...	29.80	47	NNW	5	cq	29.77	-.06	47	44	+ 2	NW	5	cqp	4	cqp.cq	4.0	51	41	0.03
	Leith	29.80	52	E	1	c	29.81	-.02	55	48	+ 1	NNW	2	bc	*	c	*	58	42	-
	Shields	29.80	47	NNW	3	c	29.78	-.06	48	44	+ 1	NNE	3	c	3	o,c	*	50	38	-
	Spurn Head ...	29.74	48	N	5	b	29.74	-.02	47	44	0	NW	5	bc	4	c,bv	*	52	43	-
	York	29.78	50	NNW	3	c	29.79	-.03	49	44	+ 2	N	2	b	*	o,c	5.1	54	36	-
	Loughborough ...	29.78	52	ENE	1	0	29.81	-.02	50	45	+ 1	SW	1	bcmw	*	om.cm	*	53	44	-
British Isles.	Ardrossan ...	29.75	60	NNE	2	bcm	29.83	+.01	53	47	- 1	ENE	1	bm	0	bm	*	62	44	-
	Malin Head ...	29.85	49	N	5	bc	29.87	-.01	49	44	0	N	3	c	2	c,bc	*	50	44	-
	Belmullet ...	29.95	50	NNE	4	0	29.95	+.03	50	45	- 1	NE	3	0	*	0	*	55	42	0.01
	Donaghadee ...	29.79	56	NW	6	b	29.86	+.02	51	48	- 3	NNE	4	bc	2	b	*	60	48	-
	Liverpool (Bidston)	29.76	54	W	0	c	29.81	+.01	51	44	- 1	E	2	bc	?	oq,c	*	58	46	-
	Holyhead ...	29.78	52	NNW	2	bm	29.79	-.01	51	50	- 5	NE	2	cm	1	f.bm	*	57	47	-
	Parsonstown ...	29.79	64	N	1	b	29.87	+.03	50	47	- 8	N	1	bc	*	b	11.1	66	41	-
	Valencia ...	29.80	62	N	3	bm	29.89	+.05	50	45	- 11	NNE	4	bc	3	bm	13.0	64	46	-
	Roche's Point ..	29.79	60	SE	1	tlr	29.85	+.02	51	47	- 4	NNW	3	bc	3	tlr	*	63	45	0.20
	Pembroke (St. Ann's Hd.)	29.75	54	ENE	3	b	29.79	-.01	53	50	- 1	ENE	3	c	2	b	8.5	57	48	-
	Scilly	29.74	56	ENE	2	b	29.78	+.03	56	52	+ 1	NNE	2	bcmw	0	c.b	8.4	58	52	-
	Prawle Point ...	29.77	52	SW	2	c	29.76	-.05	55	53	+ 4	WSW	2	o	1	c	*	56	50	-
	Jersey (St. Aubin's)	29.73	55	NE	3	oq	29.77	+.01	55	50	+ 2	E	3	cm	3	c.o.cm	*	57	50	-
	Hurst Castle ...	29.75	56	SW	1	om	29.79	-.01	56	49	- 4	ESE	2	opa	2	cm.om	*	59	?50	-
	Dungeness ...	29.73	52	SSW	1	o	29.78	.00	49	45	- 1	NNW	1	bc	1	o	*	54	42	-
	North Foreland	29.75	51	NNE	2	r	29.78	-.02	49	45	+ 2	NW	3	bc	2	o.r	*	55	44	-
	London (Brixton) ...	29.75	54	NE	2	oq	29.80	-.02	48	44	- 1	NW	1	oq	*	o.oq	0.2	59	45	-
	Oxford	29.77	50	ENE	2	o	29.82	-.01	49	46	+ 2	ENE	1	oq	*	o	*	57	46	-
	Cambridge ...	29.78	49	NNE	1	o	29.80	-.01	49	45	- 2	N	3	b	*	o	1.1	59	36	-
	Yarmouth ...	29.74	49	NNW	4	c	29.74	-.03	49	45	0	NNW	4	bc	3	c.cv	*	50	42	-
Germany & Holland.	Cuxhaven ...	29.63	52	W	0	0	29.59	-.10	49	49	0	WSW	2	o	*	o	*	54	46	0.08
	Berlin	29.61	57	NW	2	0	29.63	+.01	55	52	- 4	SW	3	c	*	o	*	66	46	0.08
	Wiesbaden ...	*	*	*	*	*	29.69	-.01	52	49	- 5	N	2	o	*	*	*	64	52	-
	Munich... ..	29.73	53	W	0	b	29.75	-.01	58	53	+ 5	W	3	b	*	b	*	64	46	0.04
	The Helder ...	29.67	49	N	2	0	29.67	-.05	49	45	- 1	WNW	4	bc	2	o	*	54	46	-
Belgium.	Brussels ...	*	*	*	*	*	29.76	.00	48	44	- 2	WNW	4	o	*	r	*	55	45	-
	Cape Gris Nez...	?	55	E	1	m	?	?	50	44	0	ENE	2	c	1	m	*	55	43	-
	Paris	29.71	55	NNW	2	0	29.76	.00	53	50	+ 1	NNW	2	bc	*	o	*	60	47	-
	Brest	29.70	59	SW	1	c	29.75	+.02	52	51	- 2	E	1	o	1	c	*	70	46	-
	Lorient... ...	29.69	59	SE	1	t	29.76	+.05	54	54	+ 2	E	1	r	1	t	*	72	52	0.55
France &	Rochefort ...	29.67	61	W	3	bc	29.71	+.08	57	55	- 2	W	1	b	*	bc	*	66	54	-
	Belfort														*		*			
	Lyons	29.68	61	W	1	o	29.77	+.02	58	53	+ 1	SSW	1	bc	*	tl.ol	*	73	53	-
	Nice	29.80	61	E	2	o	29.81	+.07	59	57	o	W	0	bc	2	c	*	64	54	-
	Perpignan ...	29.72	61	E	2	o	29.79	+.07	60	56	+ 1	NE	2	b	*	o	*	68	50	0.95
	Biarritz ...	29.67	62	NNE	4	c	29.73	+.04	60	54	o	S	3	o	1	c	*	68	55	-
Penin-sula.	Corunna ...																*			
	Lisbon	29.88	56	WSW	3	o	29.84	-.08	59	54	+ 3	SSW	3	c	*	o	*	61	54	0.16
	Azores (P. Delgada)	30.12	59	W	0	bc	30.08	-.10	60	55	o	N	2	c	2	bc	*	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 5.2 hrs;

WEATHER CHARTS

FOR Thursday, 26th May, 1898

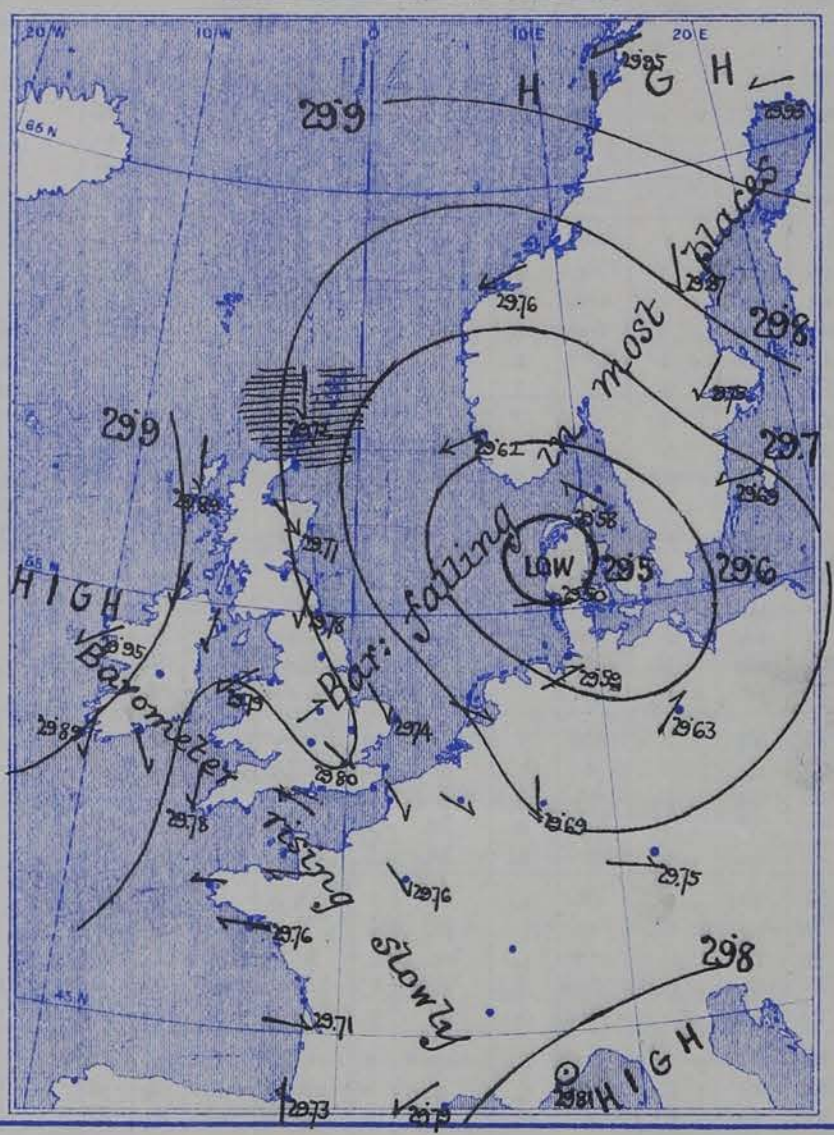
BAROMETER, WIND AND SEA.

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 ▩

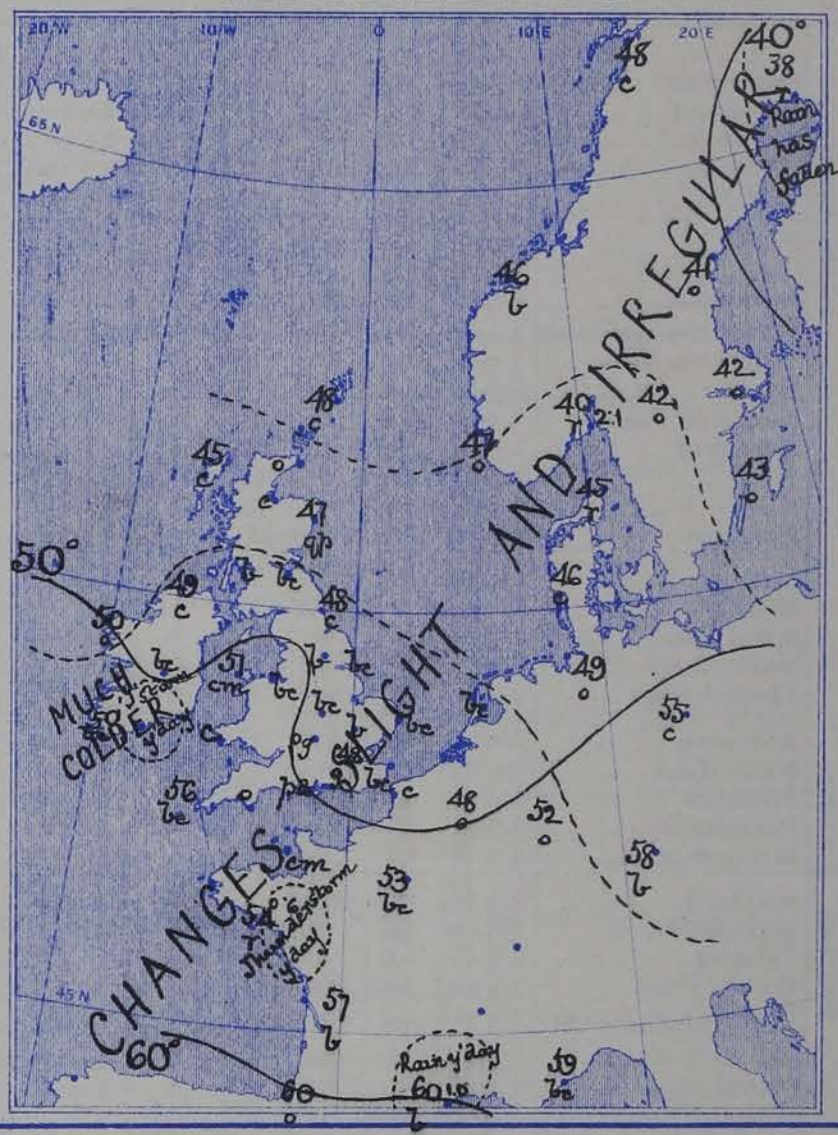


TEMPERATURE & WEATHER.

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, 29·9 ins: and more (1) over the extreme west of Ireland, and (2) over Lapland and the northern parts of Sweden and Norway. Lowest, 29·5 ins: and less, to 29·6 ins: over the eastern shores of the North Sea, and apparently below 29·7 ins: over the west of France. Gradient moderate over our northern and eastern districts, slight and variable elsewhere. Barometer beginning to rise on our extreme southwest coasts

TEMPERATURE — Highest, 60° at Biarritz and Perpignan, 56° at Scilly, 53° at Paris. Lowest, 38° at Haparanda, 42° at Stockholm and Karlstad, 45° at Stornoway, 47° in the northeast of Scotland, 48° in London. The maxima recorded yesterday did not exceed 55° to 59° over the southern parts of England, but touched 63° to 66° in Ireland, 64° to 66° in Germany, 72° at Lorient, 68° at Perpignan and Biarritz.

WIND — NE. moderate to strong over Scandinavia; N (but variable) over our Islands, very light and variable over France; W to SW over Germany. Rather more W over the eastern parts of Great Britain, than it was yesterday, and apparently backing generally.

WEATHER — Fine in many places, but still showery in the east of Scotland and rather so at Hurst Castle. Considerable rain has fallen on the eastern shores of the North Sea, and at some of the French stations, small quantities over Scotland. Thunder occurred in some places. Bright Sunshine recorded yesterday amounted to more than 11 hrs in Ireland and to nearly 10 hrs at Clandudno, elsewhere it was much less, and in the south east and east of England there was hardly any.

SEA — Fairly down in the north, moderate on our east coasts, slight to smooth in the south and west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The wind is now inclined to "back" a little over our Islands with a rise of temperature over England, and not much rain.

FORECASTS

For the 24 hours ending at NOON on 27TH MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N and NW winds; cloudy, some rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW breezes; changeable weather, but fair as a whole.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Varying NW to NE breezes, light; dull, some rain in places.
6	SCOTLAND WEST	N breezes, moderate; fair.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No 5
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 ...	29.55	55	48	SE	4	c	2
Sumburgh Head	29.78	49	45	N	3	c	5
Stornoway	29.92	49	47	NE	5	r	5
Aberdeen	29.82	49	44	NW	5	c q p	5
Shields	29.83	47	45	N	2	o	3
Ardrossan	29.77	60	55	W	0	b m	0
Malin Head ...	29.88	49	45	NE	5	c	4
Belmullet	29.94	53	49	NE	4	b c	*
Holyhead	29.81	54	51	N	2	f	1
Valencia	29.83	61	58	NNW	4	b m	4
Scilly	29.75	56	53	E	4	c	3
Jersey	29.74	56	54	ENE	4	c	3
Hurst Castle ...	29.78	58	54	NE	1	c m	1
Dungeness ...	29.76	52	49	SE	1	o	1
North Foreland	29.76	54	50	NW	1	o	1
London (Westminster)	29.76	58	52	NNW	2	o q	*
Yarmouth ...	29.75	50	48	NNW	3	c	3
Rochefort ...	29.65	64	60	SW	4	b c	*

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

Weather in morning fine and bright at several stations in the extreme south-west, and north of the British Islands, cloudy or overcast and hazy elsewhere, with rain in many places — particularly in the north of Italy and south of Austria and over the Skager Rack. Rain falling later in considerable quantity over the south and west of France and in the south of Norway, and small quantities in Scotland, some parts of Ireland and over Germany; thunder occurring at Rockenpoint and Lorient and Lyons.

Temperature fallen very generally. Morning readings highest 75° at Constantinople, 72° at Athens, 71° at Alpiers, and exceeding 60° at most of the Mediterranean and Adriatic stations, 55° at Scilly and Rockinpoint, 58° at Parsonstown. Lowest (1) 37° at Kuopio, 40° at Hernösand, 41° at Visby; (2) 45° at Sumburgh Head and Aberdeen, 47° at York, Oxford, and the North Foreland. Maxima recorded later very little above 50° in Scotland, 55° to 59° over England, 63° to 66° over Ireland, 66° at Berlin, 70° to 72° on the north-west coast of France.

Wind continuing exceedingly variable — moderate to strong from between NE and NW over most of the northern and north-western countries, and from SW and W in the far south; separate cyclonic circulations of very light winds observed over the centre of France and many parts of north-western and central Europe. Very little change later.

Barometer highest 30·0 ins: and more to 29·8 ins: (1) over the extreme northern parts of Europe, and (2) over Algeria and the greater part of the Mediterranean, as well as over the north-west of our Islands. Lowest 29·5 ins: and less over Central Russia, 29·6 ins: and less over Austria and the north-eastern parts of the North Sea, as well as over the southern half of the Bay of Biscay. Changing little and irregularly later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Friday, 27th May, 1898.

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 ...	30·01	41	ENE	2	0	30·07	+·14	42	38	+ 4	E	6	0	*	0	*	45	32	0·04
	Hernösand ...	29·83	43	NE	4	0	29·69	−·18	41	41	0	NE	8	0	*	0	*	48	36	0·04
	Stockholm ...	29·65	43	NE	4	0	29·67	−·08	48	46	+ 6	SW	2	bc	*	0	*	48	39	0·24
	Wisby	29·62	48	SSW	4	0	29·72	+·03	48	46	+ 5	SW	4	c	*	0	*	50	34	–
	Karlstad ...	29·63	42	NE	4	r	29·58	−·16	45	43	+ 3	SSE	2	r	*	r	*	*	*	0·32
	Bodö	29·92	49	ESE	4	bc	29·93	−·02	49	42	+ 1	ESE	4	b	1	bc	*	50	39	–
	Christiansund ...	29·72	51	ESE	4	c	29·62	−·14	51	43	+ 5	SE	2	c	2	c	*	57	45	–
	Skudesnaes ...	29·65	46	NNW	2	0	29·68	+·06	47	45	0	NNW	4	c	2	r.0	*	48	41	*
	Færder (Christiania Fjord)	29·63	42	ENE	4	r	29·59	−·10	42	40	+ 2	NNW	2	0	2	r	*	43	39	0·28
	Skagen (The Scaw)	29·56	44	ENE	3	r	29·62	+·04	45	43	0	NNW	2	0	0	r	*	50	43	0·55
	Fanö	29·58	47	WSW	5	c	29·76	+·26	46	43	0	WNW	4	r	*	c	*	54	46	0·04
British Isles.	Sumburgh Head	29·77	49	NE	3	c	29·79	+·07	46	43	− 2	NNW	3	c	4	b,c	*	52	41	–
	Stornoway ...	29·90	47	NE	4	c	29·91	+·02	45	43	0	NW	3	c	3	c	6.3	51	39	0·03
	Wick	29·89	45	N	4	bc	29·87	+·07	47	45	0	N	4	c	2	bc	*	50	37	0·15
	Nairn	29·86	53	NNW	1	bc	29·92	+·08	47	43	0	W	1	0	1	bc	*	55	30	–
	Aberdeen ...	29·83	47	NNW	4	bcq	29·92	+·15	46	43	− 1	NW	4	cq,p	3	cp.bcq	11·3	51	39	0·03
	Leith	29·84	52	E	1	0	29·91	+·10	51	46	− 4	E	1	0m	*	0	*	58	39	–
	Shields	29·83	48	NNW	2	c	29·95	+·17	50	45	+ 2	N	2	c	3	c	*	51	39	–
	Spurn Head ...	29·82	48	N	4	c	29·95	+·21	52	46	+ 5	NW	2	b	3	c	*	53	44	–
	York	29·83	51	N	1	0	29·97	+·18	50	46	+ 1	NNW	1	b	*	c.0	9.3	55	38	–
	Loughborough ...	29·83	55	ESE	1	c	29·98	+·17	51	46	+ 1	E	0	bmw	*	cm.bcm	*	58	36	–
	Ardrossan ...	29·82	54	NNW	3	c	29·94	+·11	51	47	− 2	W	3	0	2	b,c	*	59	42	–
	Malin Head ...	29·90	49	N	4	bc	29·97	+·10	48	45	0	NW	2	c	1	bc	*	50	45	–
	Belmullet ...	30·00	50	NNE	4	bc	30·06	+·11	52	47	+ 2	NW	2	0	*	0.bc	*	53	45	–
	Donaghadee ...	29·89	54	NNW	6	b	29·98	+·12	54	49	+ 3	NNE	4	b	2	b	*	58	44	–
	Liverpool (Bidston)	29·85	53	NNW	3	b	29·98	+·17	50	47	− 1	NSW	1	0	1	b	*	55	44	–
	Holyhead ...	29·87	50	N	3	b	29·98	+·19	50	48	− 1	NW	2	c	1	c,b	*	56	46	–
	Parsonstown ...	29·88	56	N	1	bc	30·04	+·17	49	45	− 1	W	0	0	*	bc	6·8	59	39	–
	Valencia ...	29·94	54	NNE	3		30·08	+·19	50	45	0	NNE	2	0	2	c	9.9	56	42	–
	Roche's Point ..	29·87	63	N	3	bc	30·05	+·20	52	47	+ 1	N	3	b	2	bc	*	61	46	–
	Pembroke (St. Ann's Hd.)	29·82	55	E	2	b	29·99	+·20	52	48	− 1	NNE	3	b	2	b	11.0	56	45	–
	Scilly	29·83	54	NNW	3	bc	29·94	+·16	54	52	− 2	NNE	4	0	2	c,bc	9.3	58	51	–
	Prawle Point ...	29·79	52	ENE	2	0	29·96	+·20	51	50	− 4	NE	2	0	1	0	*	55	45	–
	Jersey (St. Aubin's)	29·79	60	SSW	2	cm	29·91	+·14	56	53	+ 1	NNE	2	bm	2	bcm	*	63	50	–
	Hurst Castle ...	29·84	52	ENE	1	0m	29·94	+·15	52	52	+ 2	NE	1	bm	1	0m	*	54	45	–
	Dungeness ...	29·82	51	SW	3	0	29·95	+·17	55	50	+ 6	E	1	c	0	c.0	*	56	46	–
	North Foreland	29·84	52	S	1	bc	29·99	+·21	52	47	+ 3	NE	2	b	2	b,bc	*	54	46	–
	London (Brixton) ...	29·82	54	NW	1	0q	29·98	+·18	55	53	+ 7	SE	2	bc	*	0q,c	0.1	56	45	–
	Oxford	29·85	50	SW	1	c	29·97	+·15	53	47	+ 4	SE	2	bm	*	&	*	57	44	–
	Cambridge ...	29·84	54	NNE	1	0	29·99	+·19	51	47	+ 2	ENE	1	bcw	*	b,0	11·3	61	43	–
	Yarmouth ...	29·81	53	NNW	3	b	29·95	+·21	50	47	+ 1	NNW	3	bc	3	bc,b	*	53	45	–
Germany & Holland.	Cuxhaven ...	29·67	50	W	4	bc	29·83	+·24	49	49	0	NW	4	bc	*	bc	*	55	46	0·04
	Berlin	29·70	55	WNW	2	b	29·87	+·24	53	48	− 2	WNW	5	c	*	b	*	63	46	–
	Wiesbaden ...	*	*	*	*	*	29·97	+·28	49	45	− 3	NW	2	bc	*	*	*	59	46	–
	Munich... ..	29·81	52	W	0	c	29·99	+·24	49	48	− 9	NW	2	r	*	c	*	66	48	0·49
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*	29·99	+ 23	51	46	+ 3	SW	1	b	*	b	*	57	37	–
	Cape Gris Nez...	?	52	W	1	c	?	?	51	47	+ 1	E	1	m	0	c	*	57	43	–
	Paris	29·84	57	NE	2	bc	29·94	+·18	51	48	− 2	NE	2	0	*	bc	*	64	48	–
	Brest	29·80	55	NW	1	b	29·89	+·14	51	49	− 1	NNW	1	0	1	b	*	61	48	–
	Lorient... ...	29·80	57	WNW	4	c	29·90	+·14	54	52	0	NE	2	m	1	c	*	72	50	0·16
France &	Rochefort ...	29·76	63	NW	3	bc	29·82	+·11	55	55	− 2	NNW	3	bc	*	bc	*	70	52	–
	Belfort	29·76	55	W	4	c	29·91	+·18	54	52	− 1	ENE	2	m	*	c	*	64	48	–
	Lyons ... ... †	29·83	55	E	1	0	29·93	+·16	52	50	− 6	E	1	0	*	0.tr	*	71	48	0·28
	Nice	29·89	60	W	0	c	29·90	+·09	55	52	− 4	NE	4	c	3	c	*	68	50	0·67
	Perpignan ...	29·81	62	NE	2	0	29·88	+·09	58	57	− 2	W	0	0	*	0	*	67	53	0·04
	Biarritz ...	29·76	64	NE	2	0	29·84	+·11	59	57	− 1	WSW	4	0	2	0.tl	*	68	54	–
Peninsula.	Corunna ...																*			
	Lisbon	29·88	56	NNW	3	c	29·97	+·13	58	55	− 1	WSW	3	c	*	c	*	64	55	0·08
	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 11·9 hrs;

WEATHER CHARTS

FOR Friday, 27th May, 1898

BAROMETER, WIND AND SEA.

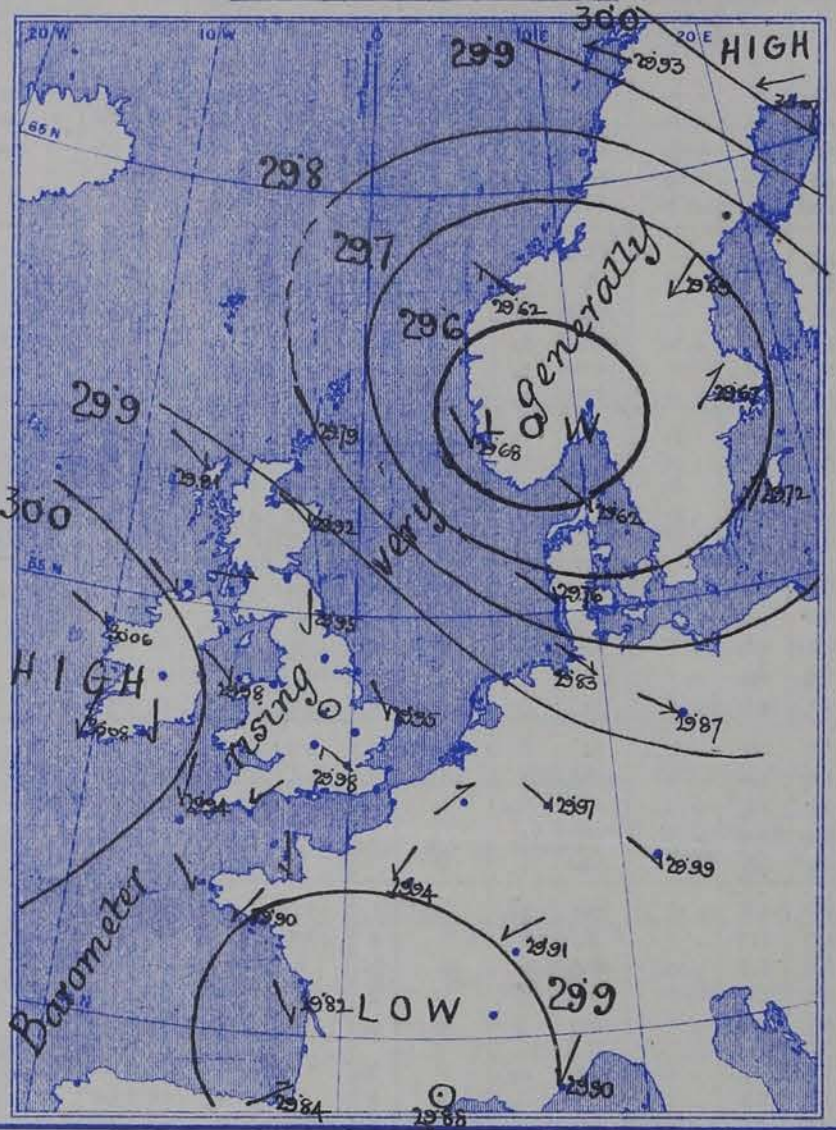
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

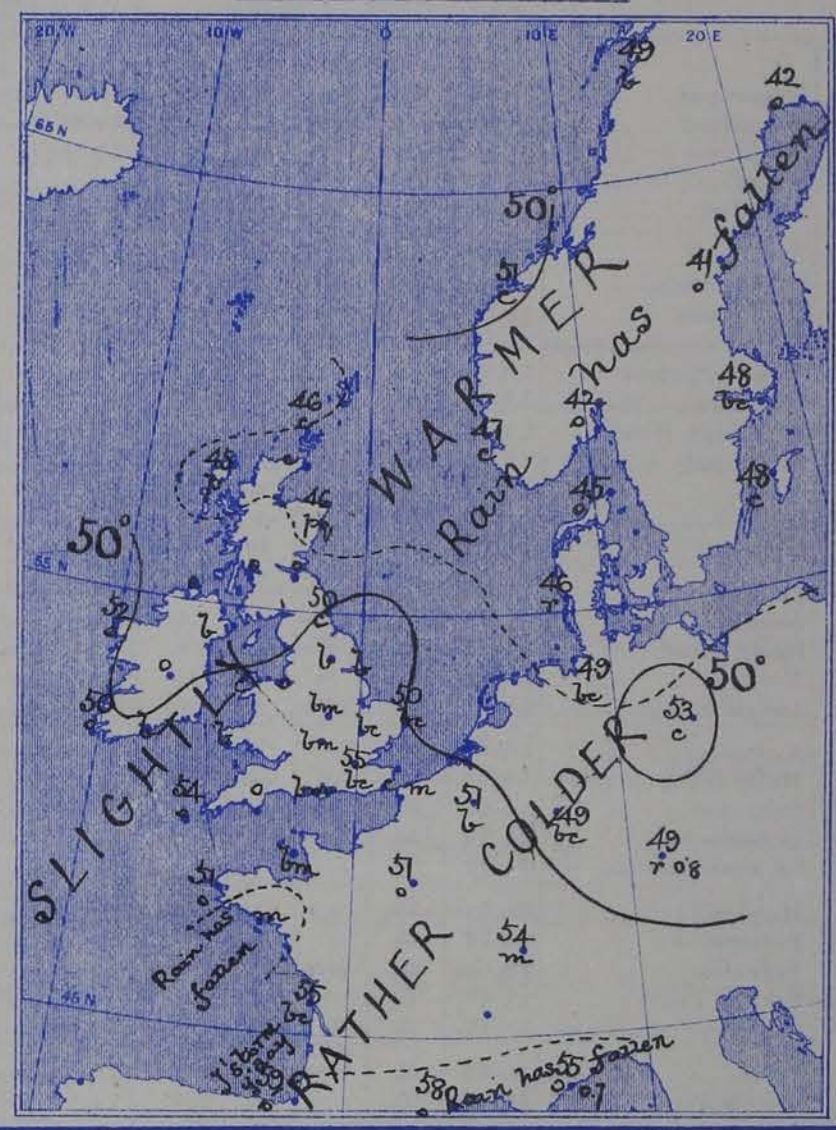


TEMPERATURE & WEATHER.

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) 30·0 in: and more over Ireland and exceeding 29·9 in: over the United Kingdom generally and the northeast of France; (2) 30·0 in: and more to 29·8 in: over Lapland and the north of Sweden.
Lowest, (1) Below 29·6 in: in a shallow depression over the southern half of Scandinavia, (2) Below 29·9 in: in another over the southwestern half of France.
Gradients slight.
Distribution of an anticyclonic ("ridge") type over our Islands. Barometer rising except at some of the northern stations.

TEMPERATURE

Highest, 59° to 55° over the southern parts of France, 55° to 52° over the south of England, 51° at Leith and Aberdeen.
Lowest, 41° to 42° in the north of Sweden, 45° to 47° over the northern parts of Scotland
The maxima recorded yesterday exceeded 60° at three of our stations only, but touched 63° at Jersey and Belfast, 64° at Paris, 68° at Nice, and 72° in the west of France.

WIND

Very light and anticyclonic over our Islands — NW. at the northern and eastern stations, NE. and E. in the south (but varying in some localities). To the eastward of the North Sea it is stronger and cyclonic.

WEATHER

Fair over our Islands and France as a whole, showery at some of the more northern stations.
There has been no rain during the past twenty-four hours at the English and Irish stations, but some has fallen in various parts of the Continent and in Scotland; thunderstorms have occurred at Lyons and Biarritz.
Bright Sunshine recorded yesterday was between 11 and 12 hrs at Aberdeen, Southport, Pembroke and Cambridge, and exceeded 9 hrs: at York and Valencia (Ireland). In London there was hardly any.

SEA

Moderate in the far north, slight in the east, smooth on our southern and western coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of fine weather is probable over Ireland and England, but some slight further showers are likely in the north of Scotland.

FORECASTS

For the 24 hours ending at NOON on 28TH MAY, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. winds, moderate; some showers today, finer and milder tomorrow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW. breezes, light; fine, warmer.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Varying E. and NE. airs; fine, warm.
6	SCOTLAND WEST	N. breezes, light; fine, hazy in places.
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 ...	29·69	48	44	ENE	4	r	3	Valencia	29·92	55	49	NNE	4	c	4
Sumburgh Head	29·75	52	46	NE	4	b	5	Scilly	29·82	56	52	N	3	c	1
Stornoway	29·89	51	45	NNE	4	c	4	Jersey	29·80	60	57	ESE	3	bc	3
Aberdeen	29·80	50	45	NW	5	cqr	5	Hurst Castle ...	29·82	53	50	E	2	om	1
Shields	29·82	49	46	NNE	3	c	3	Dungeness ...	29·80	52	47	SSW	2	c	1
Ardrossan	29·83	59	53	NNW	3	b	2	North Foreland	29·81	54	53	SE	2	b	1
Malin Head ...	29·90	49	44	N	4	bc	3	London (Westminster)	29·80	56	48	NW	1	0	*
Belmullet	29·98	52	46	NNE	3	0	*	Yarmouth ...	29·79	53	47	NNW	4	bc	
Holyhead	29·85	54	50	NNE	2	c	1	Rochefort ...	29·75	66	64	NW	2	bc	*

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

Weather in morning still showery at several of the North Sea and Baltic stations, as well as over the more northern parts of Continental Europe, dull over the greater part of our Islands, fine over the southern countries of Europe and the Mediterranean. Rain falling later at many of the Continental stations and in Scotland. Thunderstorms reported at Biarritz and Lyons, but weather remaining dry over England and Ireland and tending to clear up.

Temperature rose in nor thern Europe, changed little and irregularly elsewhere. Morning readings highest 73° at Athens 69° at Algiers, and above 60° at the Mediterranean stations generally; 68° at Moscow, 64° at Kiew, 62° at Riga; 56° to 50° over the southwestern parts of our Islands and 55° at Leith. Lowest 38° at Haparanda, 39° at Archangel, 41° at Hernösand, 42° at Karlstad; below 50° over almost the whole of Scotland and the northeast and east of England, exceeding 60° later at only three of our stations, but touching 63° at Jersey and Berlin, 64° at Paris, 68° at Nice and Biarritz, and 72° at Lorient.

Wind moderate to strong in force from between N. and E. over Scandinavia and Scotland; NW to N over England; very variable and light over France and Germany, and variable but chiefly S. over southern Europe. No very decided change later, except in the northwest of Norway, where the wind drew into SE. and fell light.

Barometer highest 29·9 in: and more to 29·8 in: (1) over Finland and northern Europe generally; (2) over Ireland and the greater part of Scotland (3) over the greater part of Spain and the Mediterranean, the Adriatic and Greece. Lowest (1) below 29·6 in: in shallow disturbances lying over Central Russia, Poland, and Denmark, and below 29·7 in: over Central Europe generally. Some other very shallow systems over the more western countries. Rising slowly over our Islands all day, but falling irregularly in parts of Norway and Sweden.

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, 28th May, 1898.

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.	Dired.	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 ...	30·08	44	E	6	0	30·09	+·02	39	39	- 3	E	4	r	#	0	#	48	36	–
	Hernösand ...	29·85	39	NE	0	fg	29·93	+·24	37	37	- 4	N	2	fg	#	fg	#	46	37	0·16
	Stockholm ...	29·84	49	S	2	c	29·91	+·24	56	49	+ 8	SSW	2	bc	#	c	#	57	43	–
	Wisby	29·86	46	S	4	b	29·94	+·22	46	44	- 2	NNW	4	b	#	b	#	53	37	–
	Karlstad ...	29·76	48	S	2	c	29·86	+·28	48	45	+ 3	SSE	2	o	#	c	#	#	#	0·04
	Bodö	29·88	47	ESE	6	r	29·85	-·08	51	43	+ 2	ESE	6	b	1	r	#	54	41	0·12
	Christiansund ...	29·62	46	ESE	1	c	29·69	+·07	46	42	- 5	SW	1	r	2	c	#	51	41	–
	Skudesnaes ...	29·77	49	NNW	6	c	29·91	+·23	46	43	- 1	NW	6	c	2	c	#	54	41	#
	Færder (Christiania Fjord)	29·70	50	SSW	2	o	29·80	+·21	52	49	+ 10	S	1	o	2	o	#	52	41	0·04
	Skagen (The Scaw)	29·78	46	WSW	2	bc	29·87	+·25	49	46	+ 4	WNW	3	bc	0	bc	#	54	43	–
	Fanö	29·91	47	W	6	c	29·99	+·23	48	44	+ 2	WNW	2	c	#	c	#	54	45	0·04
British Islands.	Sumburgh Head	29·84	47	NW	3	c	29·90	+·11	47	44	+ 1	W	2	o	4	bc.c	#	50	39	0·02
	Stornoway ...	29·91	52	WNW	3	c	30·02	+·11	47	44	+ 2	WNW	4	c	4	c	1·0	54	42	0·20
	Wick	29·90	48	N	4	c	29·99	+·12	51	49	+ 4	N	4	c	2	c	#	53	43	0·05
	Nairn	29·93	51	NW	0	c	30·01	+·09	51	47	+ 4	W	1	c	1	c	#	52	42	0·03
	Aberdeen ...	29·94	46	S	1	ogp	30·02	+·10	50	47	+ 4	N	3	cp	2	c.ogp	1·4	54	45	0·04
	Leith	29·93	53	E	1	c	30·04	+·13	57	51	+ 6	NW	3	bcm	#	c	#	58	43	–
	Shields	29·95	47	NE	3	o	30·05	+·10	50	48	0	N	2	bc	3	o	#	53	40	–
	Spurn Head ...	29·91	50	SE	4	o	30·03	+·08	50	48	- 2	N	3	c	3	c.op	#	54	47	0·03
	York	29·94	56	WNW	2	o	30·05	+·08	51	47	+ 1	NNW	1	b	#	c.o	5·1	59	44	–
	Loughborough ...	29·94	59	SE	1	o	30·07	+·09	52	48	+ 1	WNW	2	cmw	#	cm.om	#	62	42	–
	Ardrossan ...	29·96	53	W	3	c	30·09	+·15	54	50	+ 3	W	4	bc	2	o,c	#	55	44	–
	Malin Head ...	29·97	50	S	1	of	30·12	+·15	49	45	0	NNW	4	c	3	c.of	#	50	45	0·09
	Belmullet ...	30·07	52	NNW	3	o	30·23	+·17	50	44	- 2	NNW	3	o	#	m.o	#	53	44	0·01
	Donaghadee ...	30·01	49	NNW	4	c	30·12	+·14	54	50	0	NNW	4	b	2	r.c	#	55	46	0·03
	Liverpool (Bidston)	30·00	50	NNW	3	o	30·09	+·11	51	48	+ 1	NW	1	c	2	bc.o	#	54	47	–
	Holyhead ...	30·02	51	W	1	og	30·09	+·11	51	50	+ 1	NW	1	cp	0	bc.og	#	54	48	0·02
	Parsonstown ...	30·05	54	NW	1	o	30·16	+·12	50	48	+ 1	NNW	1	o	#	o	0·6	55	47	–
	Valencia ...	30·13	53	NW	3	o	30·22	+·14	52	46	+ 2	NNW	4	c	3	c.o	3·5	55	48	0·01
	Roche's Point ..	30·08	55	NNW	3	c	30·17	+·12	54	50	+ 2	N	4	c	3	c	#	57	50	–
	Pembroke (St. Ann's Hd.)	30·04	51	NNW	4	b	30·11	+·12	53	50	+ 1	NE	3	o	2	b	13.2	54	48	–
	Scilly	30·03	53	NNW	4	bc	30·10	+·16	54	52	0	NNW	4	c	1	o,bc	10.3	57	50	–
	Prawle Point ...	29·99	54	WSW	2	bc	30·07	+·11	57	53	+ 6	NNE	3	bc	2	bc	#	57	45	–
	Jersey (St. Aubin's)	29·95	60	NNW	3	bm	30·04	+·13	57	53	+ 1	NNW	3	bm	3	c.bm	#	63	50	–
	Hurst Castle ...	29·97	58	S	1	bm	30·05	+·11	54	50	+ 2	NE	3	cm	2	bm	#	61	49	–
	Dungeness ...	29·98	53	ENE	3	b	30·03	+·08	51	48	- 4	E	3	o	2	bc.b	#	58	47	–
Germany & Holland.	North Foreland	30·02	51	E	2	c	30·05	+·06	51	48	- 1	SW	0	o	0	b,c	#	54	47	0·03
	London (Brixton) ...	29·96	57	SE	1	o	30·07	+·09	53	48	- 2	NW	1	bc	#	c.op,bc	3·2	63	47	0·04
	Oxford	29·97	58	SSW	1	o	30·08	+·11	51	48	- 2	NNW	2	ou	#	c.op	#	62	46	0·04
	Cambridge ...	29·97	57	SE	1	o	30·06	+·07	52	50	+ 1	NNW	2	bc	#	c.o	6·8	63	45	0·09
	Yarmouth ...	29·98	53	SSE	4	bc	30·00	+·05	52	50	+ 2	W	2	cm	2	bc	#	54	46	0·07
Belgium.	Cuxhaven ...	29·96	52	W	3	bc	30·02	+19	50	50	+ 1	W	2	o	#	bc	#	54	43	0·04
	Berlin	29·98	55	SW	0	b	30·05	+18	53	49	0	NW	2	b	#	b	#	61	46	–
	Wiesbaden ...	#	#	#	#	#	29·99	+·02	51	47	+ 2	SW	0	b	#	#	#	59	41	–
	Munich	30·00	53	SE	3	o	29·91	-·08	51	49	+ 2	E	5	c	#	o	#	61	41	–
	The Helder ...	29·99	51	NW	1	b	30·02		52	47		SW	0	bc	2	b	#	55	48	–
France &	Brussels ...	#	#	#	#	#	30·04	+·05	49	46	- 2	NNE	1	o	#	b	#	62	40	–
	Cape Gris Nez ...	?	51	E	2	b	?	?	50	45	- 1	E	1	o	1	b	#	57	45	–
	Paris	30·03	57	NE	2	bc	30·00	+·06	53	49	+ 2	NE	2	bc	#	bc	#	64	46	–
	Brest	29·97	60	N	2	b	30·06	+·17	52	49	+ 1	N	2	b	1	b	#	63	45	–
	Lorient	29·93	61	W	4	b	30·03	+·13	51	50	- 3	N	3	b	2	b	#	68	48	–
Peninsula.	Rochefort ...	29·85	62	NW	3	b	29·92	+·10	57	56	+ 2	NNW	3	b	#	b	#	68	55	–
	Belfort	29·88	55	NE	3	m	29·89	-·02	49	46	- 5	NE	2	m	#	m	#	65	42	–
	Lyons ...	29·84	64	N	1	o	29·92	-·01	53	49	+ 1	N	1	c	#	o	#	69	49	–
	Nice	29·81	55	NE	3	r	29·78	-·12	52	52	- 3	NE	1	m	2	r	#	63	50	1·50
	Perpignan ...	29·89	55	NE	2	r	29·94	+·06	58	54	0	N	3	o	#	r	#	67	54	0·35
	Biarritz ...	29·92	63	NW	3	o	30·01	+·17	59	56	0	NNW	5	klr	3	o	#	66	55	–
	Corunna ...																#			
	Lisbon	30·08	59	WSW	2	c	30·16	+·19	61	55	+ 3	NNE	3	b	#		#	64	55	–
	Azores (P. Delgada)	30·10	62	ESE	4	bc	30·12	+·07	64	59	+ 1	ESE	5	c	5	bc	#	68	61	–

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

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

Bright Sunshine yesterday Southport 9·0 hrs;

WEATHER CHARTS

FOR Saturday, 28th May, 1898

BAROMETER, WIND AND SEA.

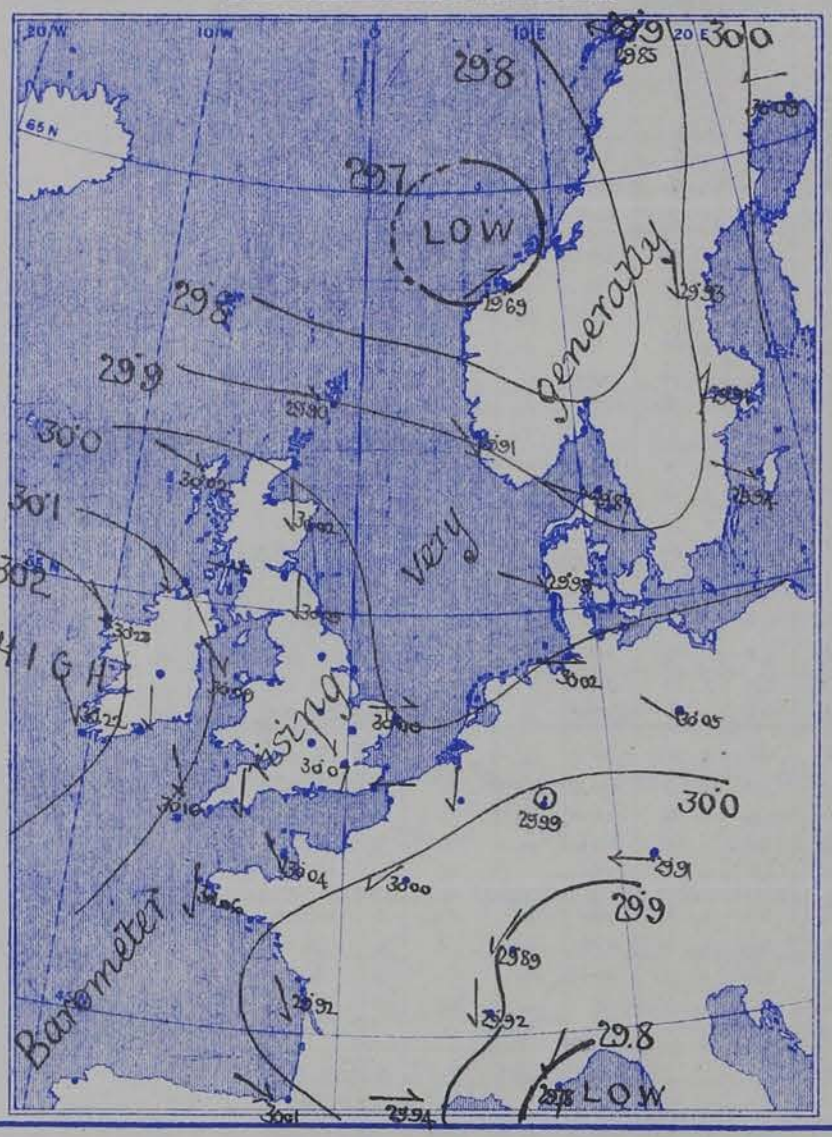
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤

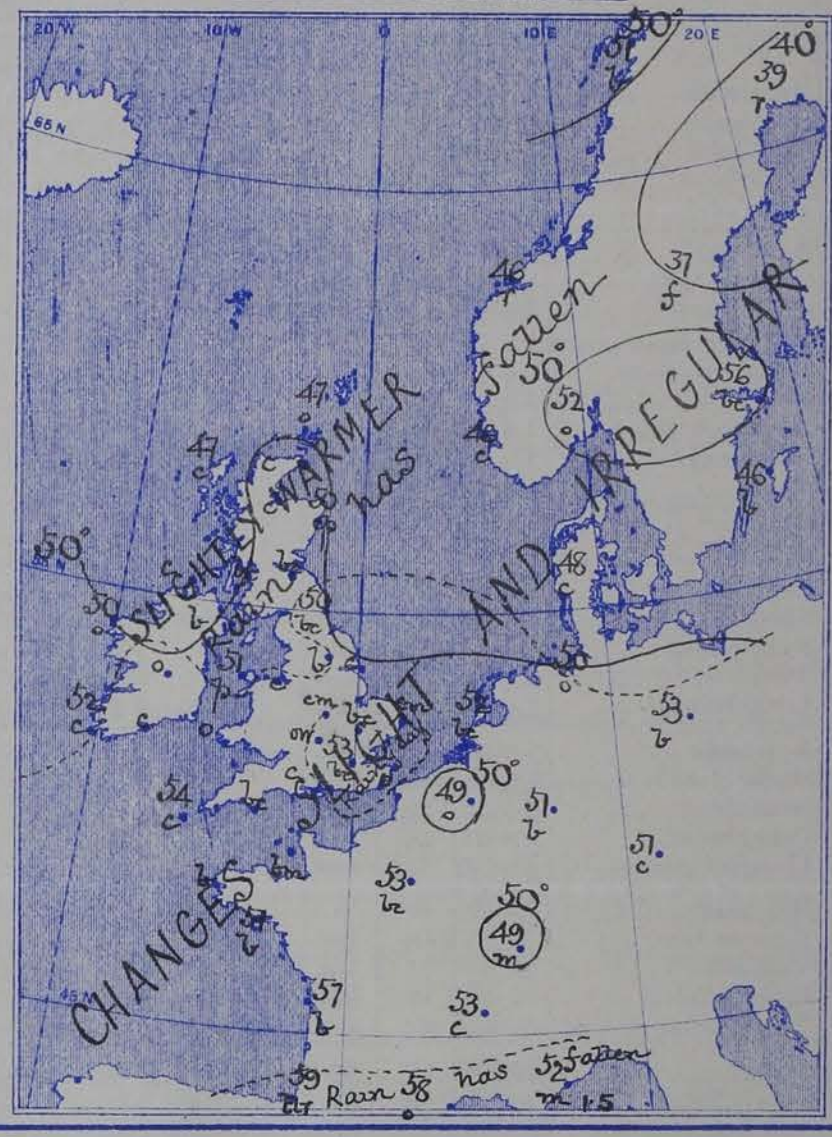


TEMPERATURE & WEATHER.

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, 30·0 ins: and more to 30·2 ins: over our Islands, and apparently still higher over the adjacent parts of the Atlantic.
Lowest (1) Below 29·7 ins: in a depression off the northwest of Norway, and (2) below 29·8 ins: in another over the northeastern parts of the Mediterranean.
Gradients in our Islands very slight and favourable for N^ly winds. Barometer still rising.

TEMPERATURE

Highest, 59° to 57° in the southwest of France, 57° at Jersey and Prawle Point, 53° at Pembroke and in London. 61° at Lisbon
Lowest 39° to 37° over the northern parts of Sweden, 46° at Wick, Skudenaes and Christiansund, 47° at Lerwick Head and Stornoway, 50° at Aberdeen, Shields and Cuxhaven.

WIND

N^ly in direction, and light to moderate in force over the British Islands as a whole; variable, and cyclonic over Scandinavia; NE^ly and light over France.
There are slight local variations in some localities and in the north of Scotland the direction was more W^ly than in other parts of our Islands.

WEATHER

Still changeable over the United Kingdom:— clear in some places, cloudy in the remainder and slightly showery in a few localities. Slight falls are reported in many parts of our Islands and in Scandinavia, and a heavy fall (1·5 ins:) at Nice.
Bright Sunshine recorded yesterday was— at Pembroke 13·2 hrs:; at Southport 9·0 hrs, at Scilly 10·3 hrs. it was less elsewhere, and as small as 0·6 hr: at Parsonstown.

SEA

Moderate at our most northern stations, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the continuous rise of the barometer over our Islands, and the dying out of the various local Disturbances in our neighbourhood, the conditions are at present favourable for fair, but cool weather, over almost the whole Kingdom.

FORECASTS

For the 24 hours ending at NOON on 29th MAY, **1898**

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly and N^ly breezes, moderate to light; a slight shower or two in places, but fair as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	N^ly breezes, light, possibly a slight shower at times, bright fine intervals.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N^ly breezes, light; fair as a whole, Cool nights, but mild days.
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 ...	29.70	53	47	W	4	c	2
Sumburgh Head	29.82	49	45	NW	3	bc	4
Stornoway	29.92	51	47	WNW	3	c	3
Aberdeen	29.92	52	45	WNW	3	c	3
Shields	29.93	49	46	E	3	o	3
Ardrossan	29.96	53	50	W	3	o	2
Malin Head ...	29.99	49	47	WNW	2	c	1
Belmullet	30.07	50	49	W	4	om	*
Holyhead	30.02	53	49	NW	2	bc	1
Valencia	30.13	55	50	NNW	4	o	4
Scilly	30.00	56	52	NNE	4	o	0
Jersey	29.95	62	57	NE	3	c	3
Hurst Castle ...	29.97	61	55	S	1	bm	2
Dungeness ...	29.99	56	50	NE	3	bc	2
North Foreland	30.03	54	49	E	2	b	2
London (Westminster)	29.97	61	52	SE	2	cq	*
Yarmouth ...	29.99	53	48	SE	3	bf	3
Rochefort ...	29.83	68	65	NNW	3	b	*

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

Weather in morning fair as a whole over the Mediterranean, but changeable in all other places, with rain in several localities, both over our Islands, and several parts of Continental Europe. Slight rain falling later over many parts of the United Kingdom and the eastern shores of the North Sea, and large quantities in the south of France (1·5 ins: at Nice)

Temperature not changing decidedly anywhere. Morning readings highest 76° at Athens, 74° at Rhindia, 73° both at La Calle and at Constantinople; considerably above 60° over the Mediterranean as a whole as well as over southeastern Europe and Central Russia; above 50° over Germany, France, and our Islands. Lowest 41° at Hernösand, 42° at Haparanda, 45° at Stornoway, 46° at Sumburgh Head, Aberdeen and Faroë. Rising later to between 50° and 57° over Ireland, to between 60° and 63° in several parts of England, to 64° at Paris and 67° at Perpignan.

Winds (1) anticyclonic from NW and NE. over our Islands, light and variable over France, Italy, Dalmatia and Greece; (2) cyclonic (and moderate to strong) from NW. and SW. over the southern parts of Scandinavia and from E. in the north; (3) very light and cyclonic over the west and southwest of France and the northeast of Spain. No decided change later.

Barometer (1) highest 30·0 ins: and more to 29·9 ins: over the British Islands, and in a band extending thence in a southeasterly direction across the east of France and the west of Germany to Switzerland and Italy; (2) 30·0 ins: and more to 29·9 ins: over the most northern parts of Europe. Lowest (1) below 29·6 ins: in a shallow depression over the south of Norway; below 29·7 ins: in another over Central Russia; (2) below 29·9 ins: in a very shallow but complex system over the west and south of France and some parts of the Mediterranean. Rising somewhat irregularly later over our Islands and western Europe.

NOTE. Owing to the operation of the Factory Act the Report for Monday will not be issued until Wednesday, the 1st June.

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 29th May, 1898.

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 ...	29.91	50	2	0	c	29.84	−.25	47	42	+8	E	2	0	*	c	*	54	34	—
	Hernösand ...	29.92	40	2	0	f	29.83	−.10	42	41	+5	2	0	f	*	f	*	50	34	—
	Stockholm ...	29.89	50	SW	2	b	29.91	.00	54	48	−2	W	2	fb	*	fb	*	59	43	—
	Wisby	29.91	48	SW	5	b	29.91	−.03	46	44	0	W	4	b	*	b	*	52	41	—
	Karlstad ...	29.88	50	NW	2	0	29.85	−.01	46	44	−2	S	2	0	*	0	*	*	*	—
	Bodö	29.91	48	ESE	6	bc	29.80	−.05	49	45	−2	N	2	b	1	bc	*	55	43	—
	Christiansund ...	29.90	46	2	0	c	29.68	−.01	43	?	−3	SE	3	r	3	c	*	48	43	0.12
	Skudesnaes ...	30.00	49	W	2	c	29.90	−.01	47	46	+1	SSW	6	r	3	c	*	51	43	*
	Færder (Christiania Fjord)	29.87	53	SW	2	bc	29.82	+.02	50	44	−2	NNW	2	0	2	bc	*	54	46	—
	Skagen (The Scaw)	29.94	47	WNW	2	bc	29.91	+.04	49	45	0	WNW	4	c	1	bc	*	54	45	—
	Fanö	30.05	46	WNW	2	b	30.02	+.03	50	46	+2	W	3	c	*	b	*	55	46	—
	Sumburgh Head	29.86	47	WSW	3	r	29.68	−.22	46	44	−1	WSW	3	0	4	c,r	*	53	36	0.36
	Stornoway ...	29.94	54	W	4	r	29.86	−.16	46	40	−1	WNW	4	0	4	0,r	0.5	54	42	0.15
	Wick	29.94	49	W	2	r	29.80	−.19	47	46	−4	NW	5	0	2	r	*	51	45	0.18
	Nairn	29.99	52	W	3	c	29.87	−.14	53	47	+2	W	5	c	2	c	*	58	46	—
	Aberdeen ...	30.00	51	SSE	2	bc	29.87	−.15	53	48	+3	WNW	2	0g	1	p,bc,r	4.2	58	45	0.12
BRITISH ISLANDS.	Leith	30.03	56	W	3	b	29.92	−.12	54	50	−3	WSW	4	0	*	b	*	65	46	—
	Shields	30.05	53	SE	3	0	30.00	−.05	55	52	+5	WSW	3	0	2	0,r	*	55	42	0.02
	Spurn Head ...	30.09	50	E	3	b	30.03	.00	54	51	+4	WNW	4	bc	3	b	*	55	46	—
	York	30.09	57	SSE	1	0	30.06	+.01	54	50	+3	NNW	3	c	*	0	?	59	41	—
	Loughborough ...	30.10	57	NNW	1	0	30.10	+.03	54	50	+2	WNW	3	bcwv	*	c,0g,bc	*	62	41	—
	Ardrossan ...	30.10	53	W	4	0	30.00	−.09	56	52	+2	W	3	c	2	0	*	58	44	—
	Malin Head ...	30.13	50	WNW	5	bc	30.05	−.07	50	49	+1	WNW	5	cp	4	bc	*	52	49	0.09
	Belmullet ...	30.22	55	W	3	0	30.17	−.06	53	52	+3	WNW	4	0	*	0	*	55	45	0.01
	Donaghadee ...	30.17	53	NNW	3	bc	30.08	−.04	57	55	+3	WNW	4	c	2	bc	*	59	46	0.03
	Liverpool (Bidston)	30.13	51	WNW	3	c	30.11	+.02	50	48	−1	W	4	0	3	c	*	56	47	—
	Holyhead ...	30.16	51	NNW	2	bc	30.13	+.04	52	51	+1	W	3	pow	2	b,bc	*	55	46	0.01
	Parsonstown ...	30.19	60	NW	1	c	30.19	+.03	55	52	+5	W	1	0	*	c	6.9	60	47	—
	Valencia ...	30.29	53	WNW	3	b	30.29	+.07	53	52	+1	W	2	0g	3	b	9.9	54	50	—
	Roche's Point ..	30.22	59	NNW	3	b	30.26	+.09	55	52	+1	NNW	3	c	3	b	*	61	49	—
	Pembroke (St. Ann's Hd.)	30.17	56	N	3	bc	30.19	+.08	52	50	−1	NNW	3	c	2	bc	11.3	57	48	—
	Scilly	30.17	55	NNW	4	c	30.22	+.12	54	51	0	NW	4	bc	1	p,c	5.7	57	50	—
	Prawle Point ...	30.14	54	W	2	bc	30.19	+.12	57	53	0	NNW	1	bc	1	bc	*	61	45	—
	Jersey (St. Aubin's)	30.10	57	NW	3	b	30.17	+.13	56	55	−1	NW	3	bcm	3	bm	*	60	50	—
	Hurst Castle ...	30.09	61	N	2	c	30.15	+.10	60	52	+6	NNE	1	c	0	c	*	64	48	—
	Dungeness ...	30.06	53	2	0	bc	30.10	+.07	53	50	+2	NNW	2	0	1	0,bc	*	59	40	—
	North Foreland	30.08	54	NW	1	c	30.11	+.06	53	50	+2	NNW	2	bc	1	c	*	56	46	—
	London (Brixton) ...	30.08	58	N	2	bc	30.13	+.06	53	48	0	WNW	2	c	*	0,bc	1.8	61	47	—
	Oxford	30.09	55	NE	1	0	30.14	+.06	53	49	+2	W	2	c	*		*	63	44	—
	Cambridge ...	30.10	59	N	2	b	30.12	+.06	53	49	+1	NW	3	b	*	b	6.8	60	42	—
	Yarmouth ...	30.06	53	NNE	4	bc	30.07	+.07	52	49	0	W	2	b	2	bc	*	57	44	—
GERMANY & HOLLAND.	Cuxhaven ...	30.06	50	NW	2	bc	30.06	+.04	50	49	0	NNW	2	bc	*	bc	*	54	45	—
	Berlin	30.01	57	NNW	2	c	30.04	−.01	55	48	+2	E	2	c	*	c	*	66	49	—
	Wiesbaden ...	*	*	*	*	*	30.00	+.01	59	51	+8	N	2	b	*	*	*	64	52	—
	Munich... ..	29.92	51	W	1	r	29.95	+.04	48	48	−3	2	0	r	*	r	*	59	49	0.28
	The Helder ...	30.06	51	NE	2	0	30.07	+.05	55	50	+3	2	0	b	1	0	*	57	46	—
BELGIUM.	Brussels ...	*	*	*	*	*	30.09	+.05	50	47	+1	NNE	1	0	*	0	*	62	47	—
	Cape Gris Nez...	?	52	E	1	0	?	?	52	50	−1	NE	1	bc	1	0	*	57	46	—
	Paris	30.02	60	N	3	b	30.09	+.09	50	50	−3	N	3	b	*	b	*	66	47	—
	Brest	30.15	57	N	2	b	30.22	+.16	52	50	0	N	2	bc	1	b	*	59	46	—
	Lorient... ...	30.09	61	N	4	b	30.20	+.17	52	50	+1	N	4	b	2	b	*	68	48	—
FRANCE &	Rochefort ...	30.04	62	NNW	4	c	30.10	+.18	54	53	−3	N	3	c	*	c	*	64	52	—
	Belfort	29.87	56	N	2	m	29.94	+.05	50	48	+1	E	1	m	*	m	*	66	48	—
	Lyons	29.88	62	N	2	c	29.95	+.03	53	47	0	N	3	0	*	c	*	68	49	—
	Nice	29.77	55	2	0	r	29.74	−.04	57	52	+5	2	0	c	1	r	*	61	52	0.04
	Perpignan ...	29.94	61	W	3	0	29.98	+.04	59	52	+1	NW	4	c	*	0	*	67	56	—
	Biarritz ...	30.06	61	NW	4	0	30.09	+.08	59	55	0	NW	6	0	3	0	*	63	54	—
PENINSULA.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.14	63	SE	4	0	30.10	−.02	63	61	−1	ESE	5	0	6	0	*	66	61	0.04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 11.4 hrs;

WEATHER CHARTS

FOR Sunday, 29th May, 1898

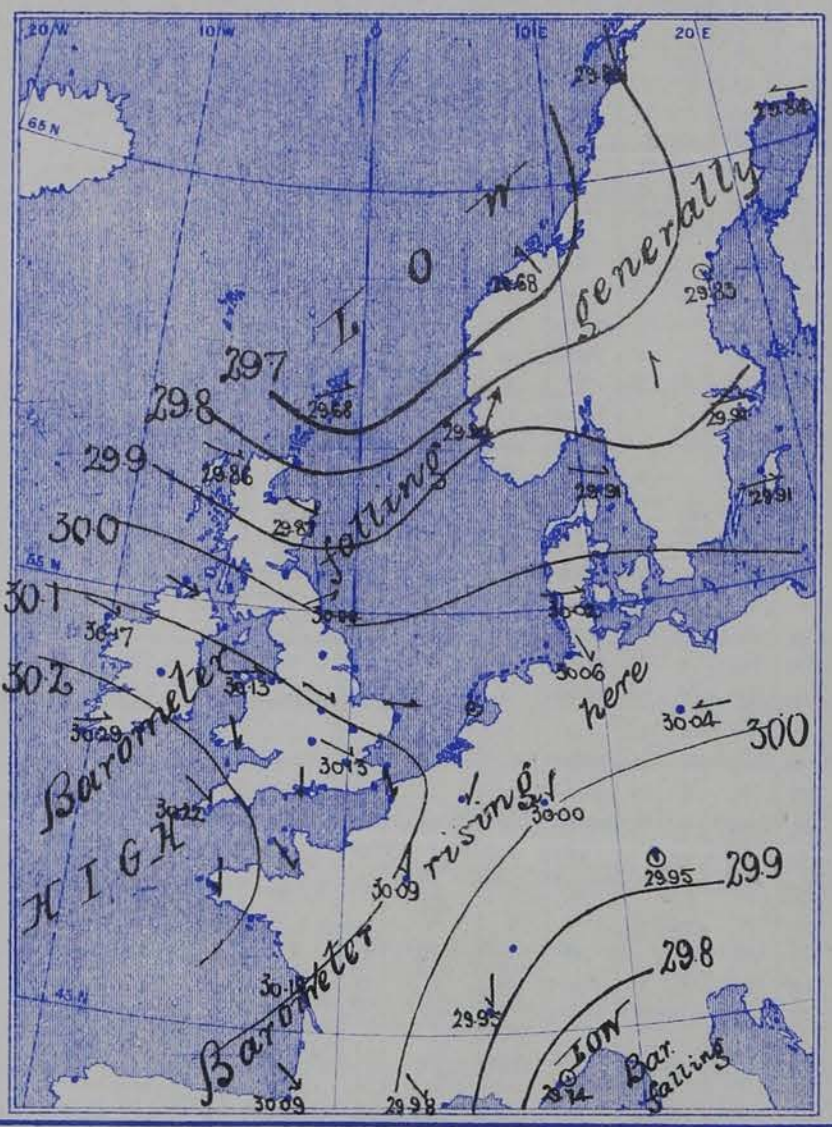
BAROMETER, WIND AND SEA.

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* ▬

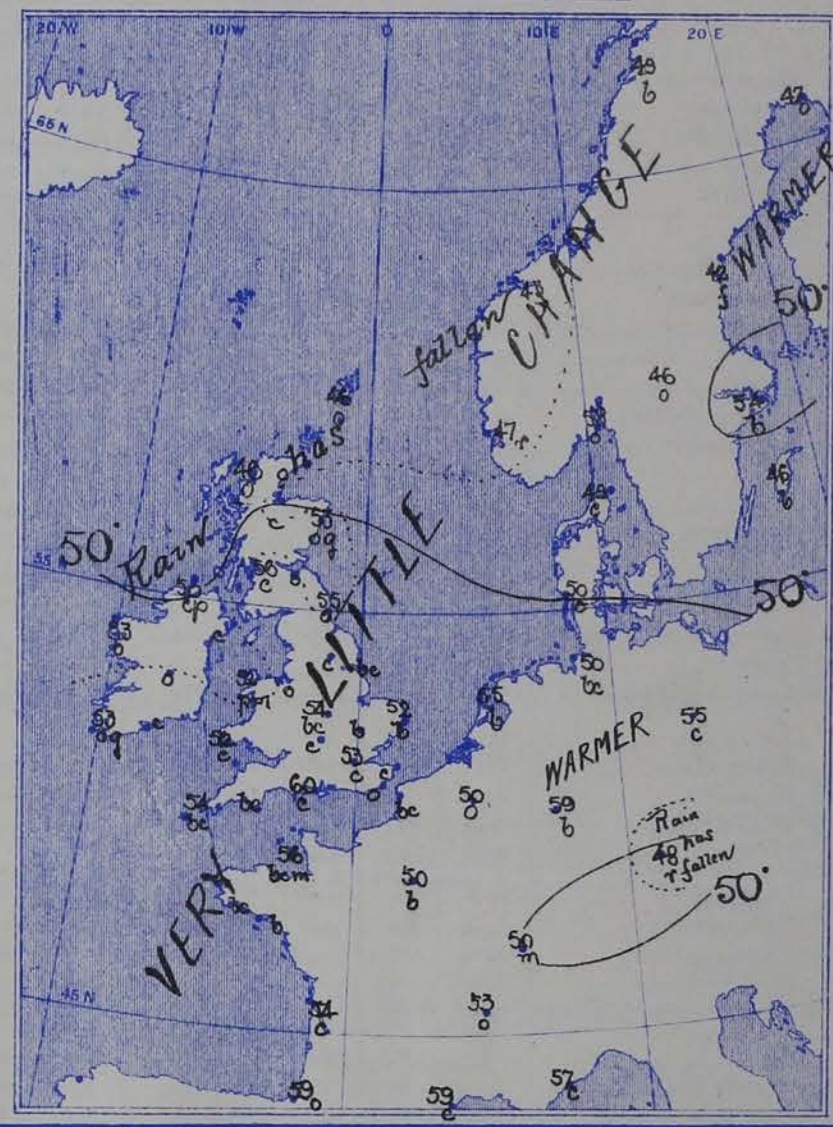


TEMPERATURE & WEATHER.

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 extreme northwest of France.
Lowest, 29·7 ins. and less, in a depression lying to the northward of our Islands; 29·8 ins. and less, in another Depression over the Gulf of Genoa.
Gradients slight generally, but moderate in the extreme north.
Barometer rising slightly in the extreme south of our Islands, and also over France, Germany, and the Netherlands, but falling elsewhere.

TEMPERATURE

Highest, 60° at Hunt Castle, 59° at Wiesbaden Biarritz and Perpignan, and 57° at Donaghadee, Prawle Point and Nice.
Lowest, 42° at Haparanda, 43° at Christiansund, and 46° at Wick, Karlstad, Lerwick Head and Holyhead.
During yesterday the thermometer rose to 60° and upwards at several of the English and Irish stations, and to 65° at Leith. On our extreme north and northwest coasts it did not reach 55°.

WIND

W^{ly} or NW^{ly} over our Islands, light or moderate in force generally, but fresh on some parts of our north and northwest coasts.
Light from the N^{wd} over France, the Netherlands and Western Germany.
W^{ly} in Denmark and the south of Sweden, S^{ly} or SE^{ly} in the west of Norway, light from between N. and E. in the north of Scandinavia.

WEATHER

Cloudy and showery over the northern parts of the United Kingdom and raining in the west of Norway.
Fine in most other parts of Western Europe, but cloudy or dull in the south of France. A solar halo is reported at Oxford.
Since yesterday morning rain has fallen at many of our own northern stations, the amounts being, however, mostly slight. A solar halo was seen yesterday at Liverpool.

SEA

Moderate on our extreme north and northwest coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 30th MAY, **1898**

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 ...	29·99	51	?	WNW	4	c	2
Sumburgh Head	29·91	50	47	W	3	c.	4
Stornoway	30·01	53	47	W	4	o	4.
Aberdeen	30·03	52	47	SE	3	c	2
Shields	30·08	54	49	E	3	c	3
Ardrossan	30·10	58	55	W	4	c	2
Malin Head ...	30·14	51	46	WNW	4	c	3
Belmullet	30·24	54	48	W	1	b	*
Holyhead	30·15	54	51	W	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·27	53	47	NW	4	b	4
Scilly	30·14	54	52	NNW	3	cp	1
Jersey	30·09	59	55	NNW	3	b	3
Hurst Castle ...	30·08	62	56	N	2	c	2
Dungeness ...	30·04	56	52	ESE	1	o	0
North Foreland	30·07	55	51	L	0	c	0
London (Westminster)	30·06	58	51	N	2	omg	*
Yarmouth ...	30·04	56	53	NNE	3	c	3
Rochefort ...	29·95	61	59	NNW	2	bc	*

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

Weather in morning fair or fine over the greater part of our Islands, but showery at some of the northern stations. Dull over Spain, the south of France and northern Italy, with rain at Turin and Trieste and a thunderstorm at Biarritz; raining also over the Gulf of Finland and at Christiansund, but fair over northern and central Europe as a whole. Rain falling later at several of our northern and northwestern stations; no important change occurring elsewhere, but solar halo seen at Liverpool.

Temperature changed very irregularly. Morning readings highest 76° at Brindisi and Athens, 73° at Patras and Constantinople, and 69° at Lesina and Palermo; above 60° in many parts of S^rn. and E^rn. Europe. Lowest 37° at Hernösand, 39° at Haparanda, 40° at Archangel, and 46° at Wisby, Christiansund and Skudesnaes. Rising during day to 60° or a little above it at several of the English and Irish stations, and to 65° at Leith. Exceeding 65° in many parts of France and Germany, and reaching 68° at Lorient and Lyons.

Wind light to moderate from the N^rn. or NW^rn. over the greater part of our Islands and France, but E^ly. or NE^ly. in the eastern parts of the Channel. W^ly. in Denmark; S^ly. at most of the Scandinavian stations. E^ly. or NE^ly. over the northern and central parts of Russia; SW^ly. in the south of Russia. Calm or variable in Austria, W^ly. or SW^ly. in Italy; variable over the Spanish peninsula. Subsequently backing to the W^rd. in the north of Scotland; no important change occurring elsewhere.

Barometer highest 30·2 ins. and upwards in the west of Ireland; 30·0 ins. and upwards in an anticyclone extending from the Atlantic over the whole of our Islands and also over Spain and spreading in the form of a broad band over the Netherlands and the northern parts of Germany. Lowest 29·7 ins. and less in a depression off the west of Norway, and also in another disturbance over central Russia; 29·8 ins. and less in two other systems lying respectively over the Gulf of Genoa, and over the northern parts of the Adriatic. New disturbance beginning to approach our extreme N^rn. coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Monday 30th May, 1898.

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 ...	29.66	45	N	2	r	29.59	— ·25	46	45	— 1	W	2	o	#	r	#	52	43	0·32
	Hernösand ...	29.65	44	S	4	o	29.58	— ·25	49	45	+ 7	E	2	b	#	o	#	54	34	—
	Stockholm ...	29.75	53	SW	2	bc	29.71	— ·20	56	50	+ 1	SSE	4	o	#	bc	#	61	43	—
	Wisby	29.82	51	WSW	4	b	29.78	— ·13	52	47	+ 6	S	4	o	#	b	#	57	41	—
	Karlstad ...	29.71	49	SSW	4	o	29.54	— ·31	48	46	+ 2	SE	6	r	#	o	#	#	#	—
	Bodö	29.61	50	E	4	c	29.53	— ·27	53	45	+ 4	E	5	b	1	c	#	57	45	—
	Christiansund ...	29.56	46	SE	2	r	29.42	— ·26	46	42	+ 3	SW	2	c	3	r	#	50	43	0·08
	Skudesnaes ...	29.63	46	SSW	4	o	29.48	— ·42	44	42	— 3	NW	6	c	2	o	#	52	39	#
	Færder (Christiania Fjord)	29.66	51	SSW	6	o	29.40	— ·42	47	45	— 3	S	5	o	4	o	#	53	46	0·32
	Skagen (The Scaw)	29.73	49	WSW	3	m	29.47	— ·44	46	45	— 3	SW	3	r	1	m	#	54	45	0·04
	Fanö	29.85	50	SW	5	o	29.59	— ·43	45	43	— 5	NW	5	c	#	o	#	55	45	0·24
	Sumburgh Head	29.51	43	W	3	o	29.52	— ·16	46	43	0	NW	4	c	4	o	#	48	37	0·32
	Stornoway ...	29.77	46	NNW	6	c	29.78	— ·08	46	45	0	WNW	4	c	4	r. c	2·6	48	37	0·07
	Wick	29.66	40	NW	6	c	29.69	— ·11	48	47	+ 1	NW	7	chp.	3	c	#	50	38	0·20
	Nairn	29.76	44	NW	1	c	29.76	— ·11	48	43	— 5	WNW	3	bc	2	c	#	57	39	0·05
	Aberdeen ...	29.71	46	NW	5	o	29.76	— ·11	47	42	— 6	NW	4	cq	2	pq. o	0·4	57	39	0·14
British Islands.	Leith	29.76	51	WSW	4	r	29.82	— ·10	51	45	— 3	WNW	2	o	#	r	#	59	37	0·05
	Shields	29.83	53	WSW	4	r	29.84	— ·16	47	43	— 8	WNW	3	bc	2	r	#	62	38	0·02
	Spurn Head ...	29.87	56	WNW	4	o	29.85	— ·18	49	46	— 5	WNW	3	cv	3	bc. rq. v	#	61	46	0·09
	York	29.92	55	WSW	2	o	29.87	— ·19	49	43	— 5	W	2	b	#	o. cp	?	61	43	0·03
	Loughborough ...	29.98	58	W	2	o	29.91	— ·19	53	47	— 1	NW	3	bcw	#	c. op. bc	#	61	47	0·03
	Ardrossan ...	29.81	52	W	5	r	29.88	— ·12	49	47	— 7	WNW	3	c	2	r	#	57	42	0·08
	Malin Head ...	29.89	49	WNW	6	ogrm	29.88	— ·17	47	46	— 3	NNW	3	orm	2	orqm	#	53	46	0·09
	Belmullet ...	30.09	53	WNW	5	o	30.02	— ·15	52	51	— 1	WNW	5	o	#	o	#	55	50	0·03
	Donaghadee ...	29.89	54	W	4	o	29.91	— ·17	49	48	— 8	W	3	o	1	o	#	62	45	0·13
	Liverpool (Bidston)	29.96	53	WSW	6	r	29.93	— ·18	50	46	0	WNW	3	o	3	r	#	59	47	0·12
	Holyhead ...	30.02	54	W	4	ofp	29.94	— ·19	50	49	— 2	W	2	dm	1	opf	#	59	47	0·03
	Parsonstown ...	30.09	56	W	2	o	29.99	— ·20	55	52	0	W	2	o	#	oq	0·0	58	51	—
	Valencia ...	30.23	54	WNW	5	omq	30.15	— ·14	54	52	+ 1	WNW	5	omq	4	omq	0·0	56	51	—
	Looche's Point ...	30.18	56	NW	5	c	30.08	— ·18	55	53	0	NW	3	o	3	c	#	58	52	—
	Pembroke (St. Ann's Hd.)	30.09	54	WNW	4	o	30.02	— ·17	52	50	0	NW	4	oq	4	o	1·0	54	50	0·03
	Scilly	30.19	55	WNW	4	c	30.08	— ·14	55	52	+ 1	WNW	4	o	2	c	10·8	58	51	—
	Prawle Point ...	30.13	55	NW	3	bc	30.04	— ·15	53	51	— 4	WNW	3	o	3	bc. p	#	63	50	0·02
	Jersey (St. Aubin's)	30.14	56	W	4	og	30.05	— ·12	55	53	— 1	W	4	og	3	og	#	61	53	—
	Hurst Castle ...	30.07	59	WNW	2	c	29.96	— ·19	57	53	— 3	WNW	4	op	2	c	#	62	53	—
	Dungeness ...	30.01	55	WSW	3	c	29.88	— ·22	53	50	0	NNW	4	cp	2	c. p	#	61	50	0·10
	North Foreland	30.01	57	W	2	o	29.89	— ·22	51	49	— 2	NW	4	c	2	bc. o	#	61	49	0·21
	London (Brixton) ...	30.02	59	W	2	c	29.92	— ·21	53	49	0	NW	3	c	#	o. bc. p	0·8	62	49	0·12
	Oxford	30.01	55	W	2	o	29.94	— ·20	52	47	— 1	NNW	2	c	#	c. o. r	#	62	48	0·04
	Cambridge ...	29.99	59	WNW	2	o	29.91	— ·21	52	49	— 1	N	2	c	#	o	3·1	61	49	0·12
	Yarmouth ...	29.96	59	W	3	c	29.86	— ·21	51	45	— 1	NW	3	bc	3	c	#	59	46	0·19
Germany & Holland.	Cuxhaven ...	29.95	52	W	0	b	29.61	— ·45	50	50	0	S	4	r	#	b	#	55	45	0·16
	Berlin	29.98	56	W	0	b	29.80	— ·24	51	53	+ 2	S	3	c	#	b	#	61	48	—
	Wiesbaden ...	*	#	#	#	#	29.85	— ·15	57	52	— 2	NNW	2	c	#	#	#	66	50	—
	Munich	29.96	50	W	0	o	29.90	— ·05	54	50	+ 6	W	3	o	#	o	#	57	46	0·04
	The Helder ...	29.93	52	SW	1	b	29.77	— ·30	51	45	— 4	NNW	3	bc	2	b	#	59	48	0·28
Belgium.	Brussels ...	*	*	*	*	*	29.83	— ·26	52	52	+ 2	WSW	2	r	#	b	#	53	44	0·12
	Cape Gris Nez ...																#			
	Paris	30.02	60	N	3	bc	29.97	— ·12	53	51	+ 3	SSW	1	o	#	bc	#	65	43	—
	Brest	30.24	55	N	3	bc	30.12	— ·10	54	52	+ 2	NW	1	o	1	bc	#	59	50	—
	Lorient	30.14	59	NW	4	bc	30.10	— ·10	55	52	+ 3	NW	3	o	4	bc	#	66	52	—
France &	Rochefort ...	30.11	61	NW	4	o	30.10	+ ·07	55	54	+ 1	NNW	4	bc	#	o	#	70	52	—
	Belfort	29.93	53	E	2	r	29.90	— ·04	48	48	— 2	WSW	2	f	#	r	#	65	41	0·20
	Lyons	29.93	60	NNW	3	b	29.97	+ ·02	56	49	+ 6	NNW	2	b	#	b	#	65	50	—
	Nice	29.69	59	NE	4	c	29.71	— ·03	63	54	+ 6	NE	2	bc	2	c	#	70	54	—
	Perpignan ...	29.95	61	NW	5	b	30.01	+ ·03	59	52	0	NW	4	b	#	b	#	68	55	—
	Biarritz ...																#			
Peninsula.	Corunna ...																#			
	Lisbon	30.16	57	N	5	b	30.10		63	56		NNE	4	b	#	b	#	66	55	—
	Azores (P. Delgada)	30.10	64	SE	4	o	30.03	— ·07	63	63	0	SE	2	r	5	o	#	64	63	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 1·2 hrs;

WEATHER CHARTS

FOR Monday, 30th May, 1898

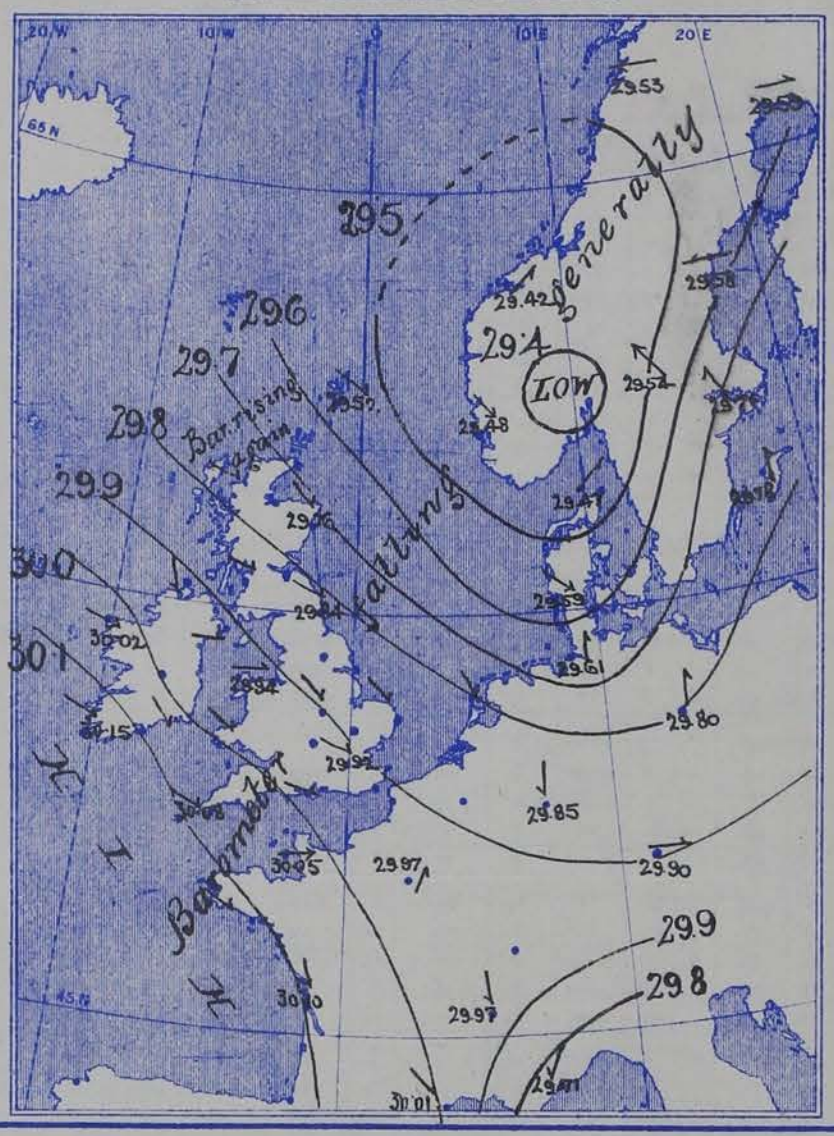
BAROMETER, WIND AND SEA.

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* ▬

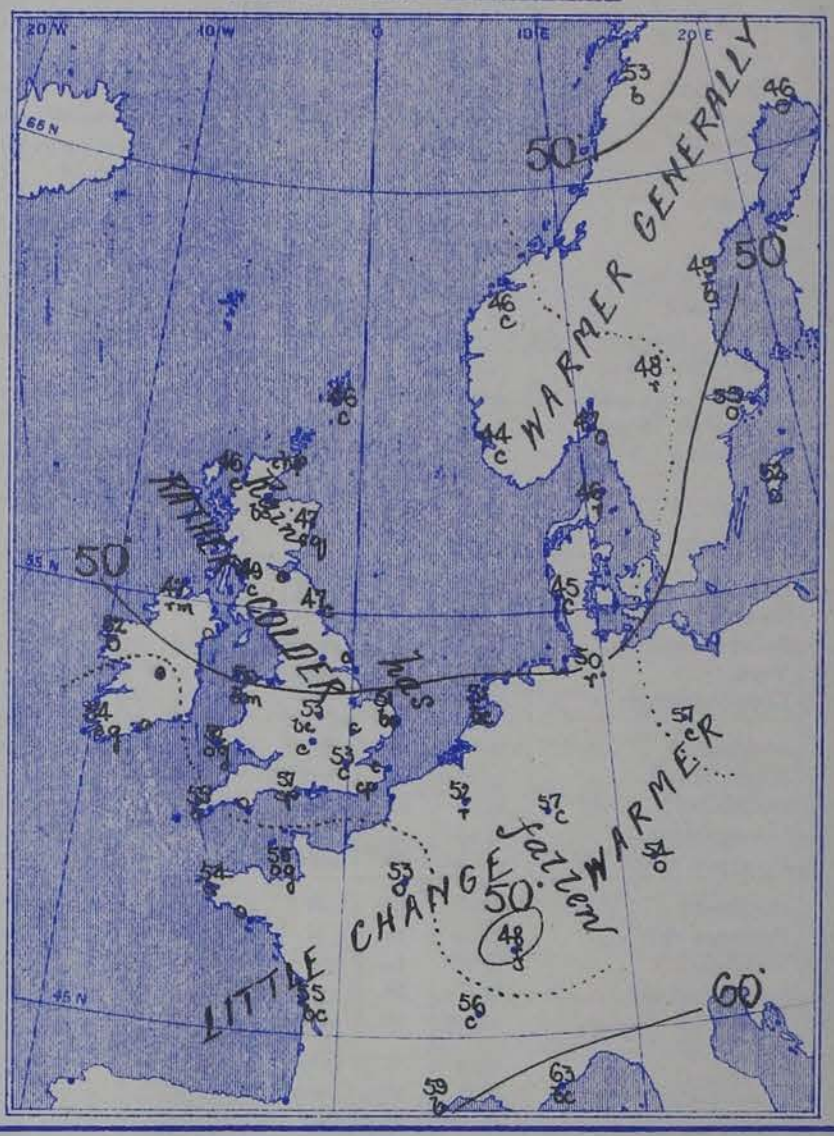


TEMPERATURE & WEATHER.

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 30.1 ins. and upwards in an anticyclone extending from the Atlantic over the Bay of Biscay and the extreme southwest of Ireland.
Lowest 29.4 ins. and less in a depression with its centre over the S. of Norway.
Gradients slight. Barometer rising a little in the N. and E. of our Islands, but falling elsewhere, – briskly in Scandinavia and Denmark.

TEMPERATURE

Highest 63° at Nice and Lisbon, 59° at Perpignan, 57° at Kew Castle, Berlin and Wiesbaden, and 56° at Lyons.
Lowest 44° at Skudesnaes, 45° at Fano, and 46° at Haparanda, Christiansund, Skagen, Turnburgh Ht. and Stornoway.
During yesterday the thermometer rose to 60° or slightly above it at several of the English stations and also at Donaghadee. In the N. of Scotland it did not exceed 50°.

WIND

Light to moderate from the NW^ward over western Europe generally, but strong in force at Wick, and also on the eastern shores of the North Sea.
S^ly over north Germany and the south of Sweden; E^ly over the northern parts of Scandinavia.

WEATHER

Changeable and showery over the greater part of our area, but temporarily fine in the eastern part of Gt. Britain, as well as in the south of France.
Since yesterday morning rain has fallen over all but the southwestern parts of the United Kingdom as well as at many of the Continental stations, but the amounts have been mostly slight.

SEA

Moderate on some parts of our SW^rn and extreme N^rn coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Scandinavia is apparently moving SE^wards and small secondary systems are passing in a similar direction across our own islands. Cool showery weather seems likely to continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 31ST MAY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^ly winds fresh, cool, changeable, some showers.	6 SCOTLAND WEST	NW^ly winds, backing later, cloudy, some rain.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	Same as No. 5.	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	NW^ly and W^ly winds, moderate, cool, changeable, some showers.	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.77	51	48	W3W	4	c	2
Sumburgh Head							
Stornoway	29.80	45	44	NW	4	od	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.93	51	51	WNW	5	r	4
Belmullet	30.13	55	53	W	5	o	*
Holyhead							
Valencia							
Scilly							
Jersey	30.17	60	52	NW	3	c	3
Hurst Castle ...							
Dungeness ...	30.06	56	53	NNW	1	c	1
North Foreland	30.07	61	54	W	2	bc	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.05	65	64	NNW	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 EUROPE FROM THE 22ND TO THE 28TH MAY 1898.

In the course of this week the distribution of pressure over Europe has been constantly, though gradually, changing. At no time were the gradients steep, but in direction they were altering so as to cause considerable changes in the direction of the wind, and in many cases showery and thundery weather.

At the very commencement pressure was highest over Nrn. and central Europe, lowest over the Bay of Biscay and off our SWn. coasts on the one hand, and over the Black Sea on the other – the Wn. and NWn. parts of Europe having winds from between S. and E. while Russia had calms and NE. airs. Then there was a complex period – pressures exceeding 29.9 ins. being reported both over the most northern and the most southern parts of our area, while a 'trough' of relatively low values separated the two. NE. and E. breezes were felt in the north, variable and SW. to W. winds in the south and none of great strength. After Tuesday, however, the highest pressures were located in the N. and W., the lowest over Russia and Sn. Europe, and cool N. winds and dry weather were reported over the British Islands and NWn. Europe.

At the close of the week this was all changing and depressions were advancing over our Nrn. districts from the NWd., with a decided fall of temperature, and rain.

There have been no general and heavy rains during the week, but in many localities thunder showers have brought considerable temporary falls, and in most places there has been a little rain at times. Temperature has been much higher over Russia than over NWn. 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.

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 31st May. 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...														#		#			
	Hernösand ...														#		#			
	Stockholm ...														#		#			
	Wisby														#		#			
	Karlstad ..														#		#	#	#	
	Bodö	29.55	55	E	6	bc	29.69	+ .16	53	44	0	ESE	6	o	1	bc	#	61	45	—
	Christiansund ...	29.37	42	SW	2	r	29.45	+ .03	45	42	— 1	SE	3	bc	4	r	#	46	41	0.43
	Skudesnaes ...	29.52	45	W	6	o	29.54	+ .06	44	42	— 4	WSW	4	c	3	o	#	48	39	#
	Færder (Christiania Fjord)	29.45	52	SW	4	bc	29.62	+ .22	49	44	+ 2	WSW	5	b	3	bc	#	52	45	—
	Skagen (The Scaw)	29.59	45	W	4	b	29.69	+ .22	48	45	+ 2	SSW	2	bc	0	b	#	54	41	—
	Fanö	29.73	46	WNW	4	c	29.70	+ .11	46	43	+ 1	Z	0	b	#	c	#	54	45	0.04
	Sumburgh Head	29.46	44	WNW	4	c	29.44	— .08	44	41	— 2	WNW	2	o	4	r.c	#	47	37	0.07
	Stornoway ...	29.71	49	NNW	5	c	29.59	— .19	41	39	— 5	NNW	5	op	5	c	7.2	50	37	0.10
	Wick	29.62	44	NW	6	c	29.53	— .16	44	43	— 4	NW	4	chp	2	c	#	49	37	0.15
	Nairn	29.69	48	WNW	3	o	29.57	— .19	42	41	— 6	W	1	r	1	o	#	56	39	0.03
	Aberdeen ...	29.67	53	WNW	4	bcq	29.56	— .21	46	42	— 1	NW	3	oq	1	bcq	5.8	58	40	—
British Islands.	Leith	29.68	57	W	3	bc	29.56	— .26	47	44	— 4	W	3	r	#	bc	#	61	41	—
	Shields	29.71	55	W	3	c	29.56	— .28	47	44	0	NW	1	op	2	c	#	58	40	—
	Spurn Head ...	29.75	52	WSW	4	o	29.55	— .30	51	48	+ 2	WSW	2	o	3	o.p	#	56	49	0.01
	York	29.76	52	W	2	r	29.56	— .31	49	48	0	WSW	1	or	#	c, or	6.5	58	45	0.03
	Loughborough ...	29.80	52	W	3	o	29.62	— .29	52	50	— 1	W	1	opw	#	c. op. c	#	57	49	0.07
	Ardrossan ...	29.74	51	W	3	o	29.57	— .31	45	44	— 4	W	3	p	2	c, o	#	53	42	0.09
	Malin Head ...	29.79	50	WNW	5	opd	29.65	— .23	43	43	— 4	NNW	6	chrq	4	opd	#	50	42	0.11
	Belmullet ...	29.94	53	WNW	4	ow	29.83	— .19	47	45	— 5	NNW	5	c	#	ow	#	55	44	0.13
	Donaghadee ...	29.80	54	WNW	3	op	29.63	— .28	47	45	— 2	WNW	4	c	2	op	#	53	44	0.14
	Liverpool (Bidston)	29.82	49	W	5	p	29.60	— .33	49	46	— 1	W	3	o	4	p	#	53	47	0.16
	Holyhead ...	29.85	53	W	4	dw	29.64	— .30	48	48	— 2	NW	4	rgw	3	c, dw	#	53	47	0.42
	Parsonstown ...	29.93	55	W	3	o	29.75	— .24	49	46	— 6	NW	2	or	#	o, or	0.5	59	48	0.14
	Valencia ...	30.09	54	W	4	rw	29.90	— .25	52	51	— 2	NW	6	rw	5	ow, rw	0.1	57	51	0.04
	Roche's Point ..	30.00	57	NNW	6	cq	29.82	— .26	53	52	— 2	NW	5	p	4	cq	#	59	53	0.02
	Pembroke (St. Ann's Hd.)	29.94	53	NW	5	o	29.71	— .31	52	50	0	WNW	5	oq	4	o	0.6	55	50	0.01
	Scilly	30.03	55	WNW	5	ow	29.90	— .18	55	53	0	WNW	5	ow	3	ow	3.7	57	52	—
	Prawle Point ...	29.99	54	WNW	3	c	29.82	— .22	52	52	— 1	W	4	rw	4	c	#	59	51	0.05
	Jersey (St. Aubin's)	30.01	56	W	5	ogw	29.86	— .19	55	53	0	WSW	5	oq	4	bc, ogw	#	60	54	—
	Hurst Castle ...	29.90	57	WNW	4	ov	29.73	— .23	57	50	0	WSW	4	op	3	ow, ov	#	60	54	—
	Dungeness ...	29.85	54	WSW	4	c	29.66	— .22	55	54	+ 2	WSW	4	op	3	c	#	61	52	0.02
	North Foreland	29.85	53	S	2	o	29.66	— .23	54	53	+ 3	WSW	3	c	2	bc, o	#	56	49	0.10
	London (Brixton) ...	29.84	55	WSW	3	c	29.67	— .25	56	52	+ 3	W	3	op	#	c, op	2.9	59	52	0.02
	Oxford	29.84	54	W	3	op	29.65	— .29	54	51	+ 2	W	2	op	#	op	#	57	51	0.02
	Cambridge ...	29.81	53	SSW	3	r	29.63	— .28	52	52	0	SW	2	o	#	c, r	5.7	61	49	0.20
	Yarmouth ...	29.80	52	SSE	4	r	29.61	— .25	53	50	+ 2	WSW	3	bc	2	b. r	#	54	47	0.07
Germany & Holland.	Cuxhaven ...	29.77	50	NW	4	bc	29.73	+ .12	48	47	— 2	S	1	b	#	bc	#	54	41	0.08
	Berlin	29.74	51	WNW	3	o	29.78	— .02	52	46	— 5	WNW	2	b	#	o	#	64	43	—
	Wiesbaden ...	*	*	*	*	*	29.82	— .03	47	46	— 10	Z	0	o	#	*	#	59	45	0.20
	Munich... ..	29.88	49	W	4	r	29.89	— .01	49	46	— 5	W	4	o	#	r	#	61	45	0.35
	The Helder ...	29.82	49	Z	0	bc	29.60	— .17	48	47	— 3	S	2	r	1	bc	#	52	45	0.04
Belgium.	Brussels ..	*	*	*	*	*	29.72	— .11	52	51	0	SW	3	r	#	o	#	57	46	0.20
	Cape Gris Nez ..	?	53	W	4	r	?	?	53	52		W	4	r	4	r	#	61	50	0.08
	Paris	29.95	57	NW	4	o	29.87	— .10	55	52	+ 2	SW	2	o	#	o	#	58	53	0.04
	Brest	30.09	55	NW	2	o	30.02	— .10	54	51	0	NW	3	o	2	o	#	57	50	—
	Lorient... ...																#			
France &	Rochefort ...	30.09	61	NW	4	c	30.03	— .07	54	?	— 1	WNW	4	c	*	c	#	63	52	—
	Belfort	29.90	50	W	1	r	29.90	.00	48	47	0	W	1	r	*	r	#	62	44	0.16
	Lyons	29.96	57	NW	2	o	30.01	+ .04	54	52	— 2	WNW	2	o	*	o	#	63	50	—
	Nice	29.70	61	NE	1	c	29.75	+ .04	63	57	0	Z	0	bc	1	c	#	72	57	—
	Perpignan ...	29.97	62	NW	4	b	30.04	+ .03	61	54	+ 2	NW	3	b	*	b	#	70	55	—
	Biarritz ...	30.09	59	NW	4	o	30.08		57	55		W	3	o	2	o	#	61	52	—
Peninsula.	Corunna ...																#			
	Lisbon	30.05	60	NNW	5	b	30.03	— .07	66	58	+ 3	NE	3	b	*	b	#	75	57	—
	Azores (P. Delgada)	30.00	63	SE	4	r	29.91	— .12	64	64	+ 1	SE	5	r	7	r	#	66	63	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 1.5 hrs;

WEATHER CHARTS

FOR Tuesday, 31st May, 1898

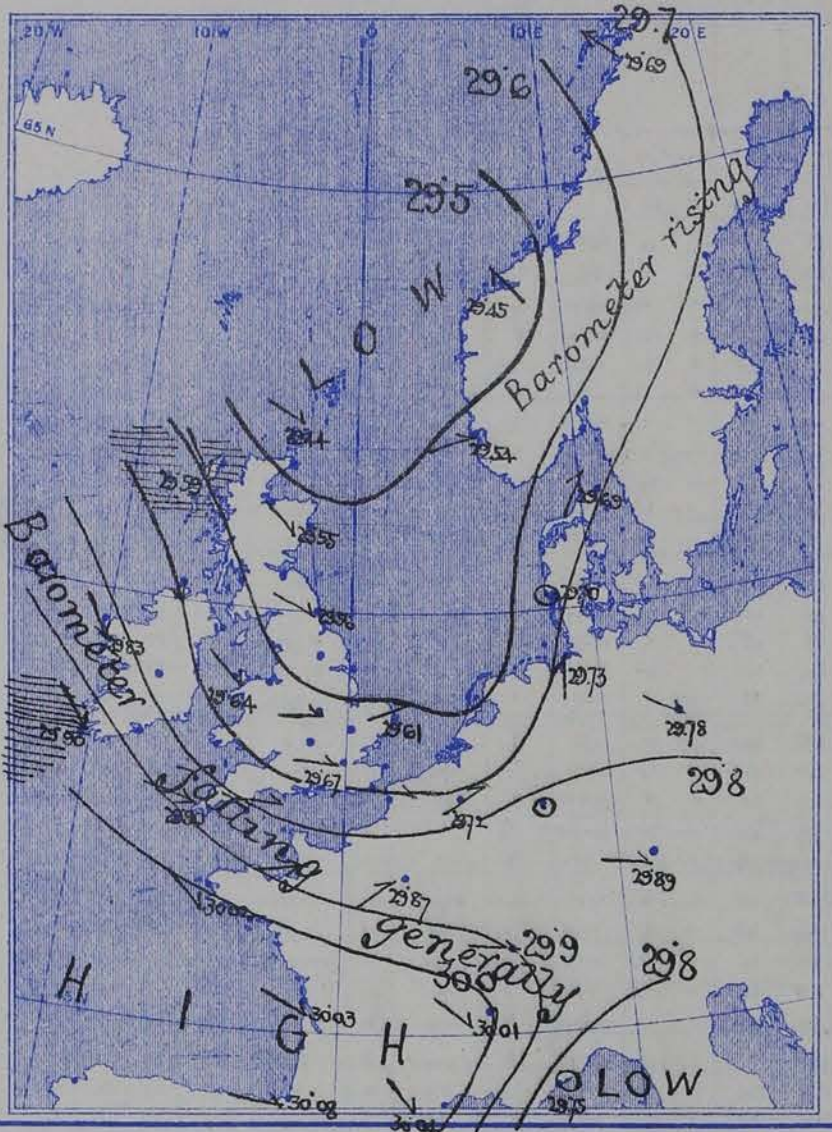
BAROMETER, WIND AND SEA.

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*

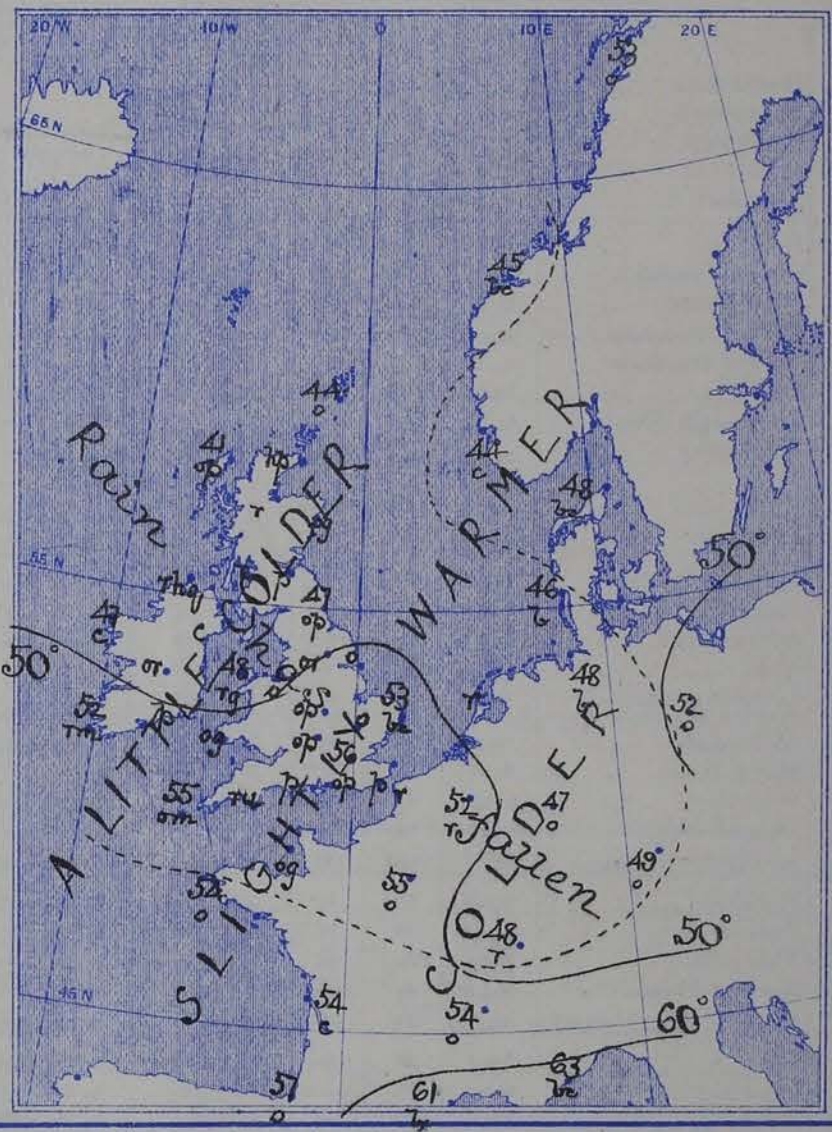


TEMPERATURE & WEATHER.

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.

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.			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.
1	Corunna	29.91	51	W	1	f	29.71	-.17	57	54	+2	S	5	0	4	f	-	57	50	0.98
2	Lorient	2973	54	S	3	r	29.89	-.87	55	52	+4	E	3	0	3	r	-	61	48	0.08
3	Corunna	2966	62	WSW	6	c	29.76	-	55	51	-	SW	4	c	3	c	-	63	45	0.28
4	Corunna	29.87	57	W	6	c	30.15	+.39	58	53	+3	SW	3	b	3	c	-	63	48	0.12
..	Azores (P. Delgada)	30.03	63	SW	3	c	29.99	+.07	63	62	0	S	4	c	4	c	-	68	61	-
6	Corunna	30.29	67	WSW	3	b	30.34	-	61	57	-	SW	1	0	4	b	-	68	52	-
7	Corunna	30.16	61	WSW	3	0	30.27	-.07	60	57	-1	W	3	c	3	0	-	64	50	-
8	Corunna	3030	59	W	4	b	30.30	+.03	59	52	-1	NNE	3	b	4	b	-	63	50	-
9	Corunna	30.26	66	W	3	b	30.21	-.09	62	55	+3	NNE	1	b	3	b	-	68	52	-
10	Corunna	30.23	68	W	4	b	30.25	+.04	57	54	-5	NE	3	b	3	b	-	68	50	-
12	Corunna	29.98	60	W	4	c	29.91	-	55	50	-	WNW	6	0	1	c	-	63	48	-
13	Corunna	30.00	55	NW	6	c	30.18	+.27	55	50	0	NW	2	c	7	c	-	59	48	0.08
16	Corunna	30.19	61	W	2	c	30.19	-	55	52	-	NE	3	0	3	c	-	63	50	-
..	Azores (P. Delgada)	30.19	61	NNE	4	c	30.19	+.09	61	57	-1	NNE	4	c	-	c	-	66	59	-
17	Corunna	30.21	57	NNE	4	c	30.23	+.04	55	50	0	NNE	4	0	3	c	-	59	48	-
18	Corunna	30.29	58	NE	6	c	30.10	-.13	52	48	-3	NE	1	0	2	c	-	59	45	-
19	Corunna	30.04	55	N	4	c	29.99	-.11	55	48	+3	NW	5	c	3	c	-	59	45	-
..	Lisbon	29.97	56	N	5	c	30.01	+.07	57	50	-1	N	5	0	-	c	-	68	52	-
..	Azores (P. Delgada)	30.33	62	WNW	2	c	30.33	+.04	63	59	0	W	0	c	3	c	-	68	57	-
20	Corunna	29.95	55	NW	6	c	29.82	-.17	54	48	-1	WNW	2	0	2	c	-	61	48	-
21	Corunna	29.82	54	WSW	1	f	29.77	-.05	52	48	-2	SW	1	c	2	f	-	57	43	-
..	Lisbon	29.78	56	ESE	3	p	29.61	-.29	58	55	+1	ESE	4	0	-	p		63	54	0.51
..	Azores (P. Delgada)	30.21	59	NNE	4	c	30.14	-.01	59	54	-2	NNE	4	c	2	c	-	64	55	-
23	Corunna	29.71	59	NW	3	c	29.82	+.10	62	58	-8	SW	1	b	2	c	-	70	54	-
24	Corunna	29.89	59	W	3	0	29.79	-.03	58	55	-4	S	3	c	4	0	-	66	50	0.08
25	Corunna	29.75	62	S	3	c	29.65	-.14	55	53	-3	SW	3	0	3	c	-	64	46	0.16
26	Corunna	29.71	57	W	3	c	29.74	+.09	59	55	+4	S	2	c	3	c	-	59	41	0.32
27	Corunna	29.80	65	S	3	c	29.99	+.25	60	57	+1	S	1	c	3	c	-	65	46	-
..	Azores (P. Delgada)	30.09	59	?	?	c	30.05	-.03	61	57	+1	ESE	2	c	3	c	-	66	55	-
29	Corunna	30.25	59	N	1	b	30.34	-	54	52	-	N	3	0	4	b	-	59	45	0.04
..	Lisbon	30.26	58	NW	4	b	30.23	+.07	60	54	-1	NNW	5	b	-	b	-	66	54	-
30	Cape Gris Nez	?	55	W	2	0	?	-	53	-	+1	N	4	0	4	0	-	61	50	0.20
..	Biarritz	30.19	59	NW	5	0	30.18	+.09	57	-	-2	NNW	4	c	3	0	-	61	52	-
..	Corunna	30.31	59	N	2	b	30.28	-.06	57	53	+3	N	1	c	4	b	-	59	50	-
31	Haparanda	29.79	43	SSE	2	b	29.89	+.30	52	-	+6	W	0	bc	-	b	-	52	41	-
..	Hernosand	29.68	43	S	2	bc	29.78	+.20	47	-	-2	S	4	b	-	bc	-	54	39	-
..	Stockholm	2967	47	S	4	r	29.75	+.04	48	-	-7	W	0	r	-	r	-	59	45	0.08
..	Visby	2973	51	S	4	r	29.72	-.06	44	-	-8	N	4	r	-	r	-	59	41	0.28
..	Lorient	30.14	59	WNW	1	0	29.97	-.13	55	-	0	SW	2	0	1	0	-	64	52	-
.	Corunna	30.23	57	N	5	c	30.19	-.09	59	53	+2	NE	2	c	3	c	-	59	?	-

REPORTS FOR MAY 1898.

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.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	TEMP.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Pembroke	-	-	-	-	-	-	-	-	-	-	SW	-	-	-	-	-	-	-	-
"	Cambridge	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-
2	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·05
7	Malin Head	-	-	-	-	-	-	-	-	-	-	SSW	5	-	-	-	-	-	-	-
8	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·57
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-
9	Yarmouth	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-
10	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
12	Jersey	-	-	-	-	-	-	-	-	-	-	NNW	-	-	-	-	-	-	-	-
14	Loughborough	2963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Pembroke	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Jersey	2982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Haparanda	30·33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Nairn	-	-	-	-	-	30·06	+·24	-	-	-	-	-	-	-	-	-	-	-	-
"	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-
17	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
18	York	30·10	-	-	-	-	-	-	-	-	--	-	-	-	-	-	-	-	-	-
19	Holyhead	-	-	-	-	-	-	-	46	-	-5	-	-	-	-	-	-	-	-	-
21	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·37
22	Aberdeen	-	-	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Cambridge	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-
23	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·03
26	Jersey	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-	-
"	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
29	Stornoway	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-