METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1898.

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 Friday 1st April, 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 ...	29.99	26	Z	0	0	29.78	−.10	31	31	+ 1	SE	2	s	#	0	#	34	25	0.04
	Hernösand ...	29.88	32	Z	0	f	29.67	−.25	34	34	+ 4	E	2	s	#	f	#	36	23	0.12
	Stockholm ...	29.72	34	Z	0	f	29.58	−.25	37	36	+ 4	Z	0	f	#	f	#	37	30	—
	Wisby	29.65	39	SSE	4	0	29.62	−.12	37	36	+ 1	WSW	4	f	#	0	#	41	30	0.04
	Karlstad ...	29.68	34	N	2	r	29.60	−.21	33	32	− 1	NNW	2	r	#	r	#	#	#	0.47
	Bodö	29.72	31	E	4	b	29.52	−.36	38	34	+ 10	S	4	bc	2	b	#	38	23	—
	Christiansund ...	29.73	37	ESE	1	b	29.68	−.10	33	32	− 2	N	5	s	4	b	#	43	30	—
	Skudesnaes ...	29.78	39	Z	0	bc	29.77	.00	35	35	− 2	Z	0	bc	1	bc	#	40	32	#
	Færder (Christiania Fjord)	29.69	36	NNE	4	r	29.66	−.13	34	34	− 1	NW	2	o	1	r	#	39	32	0.24
	Skagen (The Scaw)	29.69	34	NE	5	r	29.71	−.01	37	36	+ 2	NW	2	r	0	r	#	37	27	0.08
	Fanö	29.79	37	NNW	3	c	29.83	+.17	38	37	+ 1	WNW	3	c	#	c	#	41	36	—
British Islands.	Sumburgh Head	29.67	42	W	3	c	29.82	+.16	32	31	− 9	N	3	o	4	bc.c	#	46	31	0.11
	Stornoway ...	29.72	43	W	4	r	29.87	+.15	39	38	+ 4	NNW	2	c	2	o.r	4.7	45	33	0.05
	Wick	29.73	41	NW	3	bc	29.84	+.15	38	36	− 2	NW	3	o	1	bc	#	48	36	0.02
	Nairn	29.77	43	WSW	1	c	29.87	+.12	42	40	+ 7	NE	1	o	1	c	#	48	33	—
	Aberdeen ...	29.78	40	ESE	1	bc	29.84	+.08	43	41	+ 4	NW	2	c	1	cg.p.bc.p	6.9	47	33	0.08
	Leith	29.80	44	W	2	bc	29.86	+.09	43	40	+ 9	WSW	3	cm	#	bc	#	51	32	—
	Shields	29.82	42	SSE	3	m	29.88	+.09	40	38	+ 3	WSW	2	bm	2	b.m	#	46	33	—
	Spurn Head ...	29.83	42	ESE	3	b	29.89	+.11	35	34	− 7	W	1	f	3	b.f	#	46	34	—
	York	29.82	48	ENE	1	b	29.91	+.13	33	32	0	N	1	c	#	b.f	7.2	49	26	—
	Loughborough ...	29.81	48	E	2	b	29.93	+.15	30	30	− 7	N	1	bf	#	cm.bm.f	#	51	29	—
	Ardrossan ...	29.81	45	NW	2	bcm	29.86	+.10	47	47	+ 8	Z	0	c	0	c.bcm	#	49	38	—
	Malin Head ...	29.85	44	WNW	4	cg	29.90	+.12	46	45	+ 6	NW	3	cm	1	b.cg	#	46	40	—
	Belmullet ...	29.97	47	NW	1	c	29.99	+.11	48	46	+ 5	NNW	1	b	#	b.c	#	48	40	0.01
	Donaghadee ...	29.87	46	NW	3	c	29.92	+.14	43	41	+ 6	W	3	bc	1	c	#	50	35	—
	Liverpool (Bidston)	29.84	42	N	1	c	29.95	+.17	41	38	+ 2	W	1	o	1	c.f	#	46	37	—
	Holyhead ...	29.84	45	NNE	2	b	29.95	+.19	43	42	+ 2	SW	1	f	1	bm.b	#	47	36	—
	Parsonstown ...	29.86	50	N	1	b	29.99	+.18	39	37	+ 10	Z	0	c	#	b	8.1	51	28	—
	Valencia ...	29.90	48	NNE	2	b	30.05	+.26	40	38	− 1	E	1	b	2	bm.b	11.5	51	30	—
	Roche's Point ..	29.86	47	Z	0	c	30.05	+.28	40	37	+ 1	NNW	3	b	3	c.m	#	50	36	—
	Pembroke (St. Ann's Hd.)	29.78	46	NE	4	b	29.97	+.28	44	41	+ 4	NE	2	bm	1	b	1.4	49	38	—
	Scilly	29.71	46	ENE	4	o	29.90	+.29	48	45	+ 2	NNE	4	c	2	c.o	7.5	49	42	—
	Prawle Point ...	29.73	42	NE	4	o	29.91	+.28	43	40	+ 1	NNE	4	bc	3	or.c	#	43	37	0.19
	Jersey (St. Aubin's)	29.67	49	ENE	3	bc	29.85	+.26	45	43	0	NE	4	bm	3	bcm.bc	#	50	42	—
	Hurst Castle ...	29.73	46	ENE	3	cm	29.92	+.28	37	36	− 6	NE	3	cm	2	cm	#	47	34	—
	Dungeness ...	29.73	43	ENE	4	c	29.86	+.18	43	41	0	NE	4	c	3	o.c	#	47	40	—
	North Foreland	29.81	41	NE	4	bc	29.90	+.16	42	41	− 1	NE	2	b	2	bc	#	44	39	—
	London (Brixton) ...	29.79	46	E	2	bc	29.92	+.20	35	34	− 9	E	1	f	#	bc.b	6.4	52	33	—
	Oxford	29.83	42	E	2	o	29.95	+.23	31	31	− 9	Z	0	bf	#	bc.o	#	54	29	—
	Cambridge ...	29.82	47	E	1	b	29.94	+.17	30	?	− 3	Z	0	f	#	b.m	7.3	55	28	—
	Yarmouth ...	29.81	43	NE	3	b	29.89	+.14	35	33	− 6	NW	1	bf	2	b	#	45	29	—
Germany & Holland.	Cuxhaven ...	29.75	39	NNW	3	bc	29.86	+.23	35	35	− 4	W	1	b	#	bc	#	41	34	—
	Berlin	29.76	42	W	3	o	29.90	+.40	37	35	− 4	WNW	2	o	#	o	#	54	36	0.20
	Wiesbaden ...	#	#	#	#	#	29.76	+.03	42	39	+ 3	N	1	c	#	#	#	50	36	—
	Munich... ..	29.74	43	E	4	c	29.76	+.03	42	39	+ 4	N	1	c	#	c	#	50	36	—
	The Helder ...	29.83	40	N	1	b	29.89	+.14	40	38	0	Z	0	b	1	b	#	46	36	—
Belgium.	Brussels ...	#	#	#	#	#	29.85	+.10	35	34	− 4	NE	2	m	#	b	#	50	33	—
	Cape Gris Nez ..	?	44	E	5	m	?	?	41	39	0	E	4	bc	4	m	#	48	36	—
	Paris	29.63	55	E	2	bc	29.75	+.13	38	36	− 5	NNE	3	bc	#	bc	#	62	37	—
	Brest	29.65	49	NE	1	b	?	?	41	39	0	E	1	c	2	b	#	54	36	—
	Lorient... ...	29.69	49	WSW	1	b	29.78	+.20	42	41	0	NNE	4	bc	3	b	#	55	39	—
France &	Rochefort ...	29.60	50	NW	4	bc	29.72	+.09	45	44	+ 1	N	4	o	#	bc	#	59	39	—
	Belfort	29.57	50	ENE	4	o	29.64	−.03	36	35	+ 1	E	1	m	#	o	#	55	35	—
	Lyons	29.55	50	SW	1	o	29.62	−.02	44	41	+ 3	NW	1	c	#	o	#	52	41	—
	Nice	29.62	44	E	6	r	29.62	−.11	47	44	+ 3	E	4	c	5	r	#	50	41	1.42
	Perpignan ...	29.50	49	W	3	o	29.62	+.10	46	44	− 1	W	2	bc	#	o	#	50	44	0.55
	Biarritz ...	29.61	52	NNW	4	bc	29.68	+.12	51	47	+ 6	NNW	4	c	2	bc	#	52	43	0.04
Peninsula.	Corunna ...																#			
	Lisbon	29.79	50	WNW	2	b	29.79	+.03	46	44	− 4	Z	0	o	#	b	#	57	45	0.12
	Azores (P. Delgada)	30.00	54	NE	3	c	30.00	+.09	53	48	0	NE	4	bc	3	c	#	C:	50	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport ... ? ... hrs;

WEATHER CHARTS

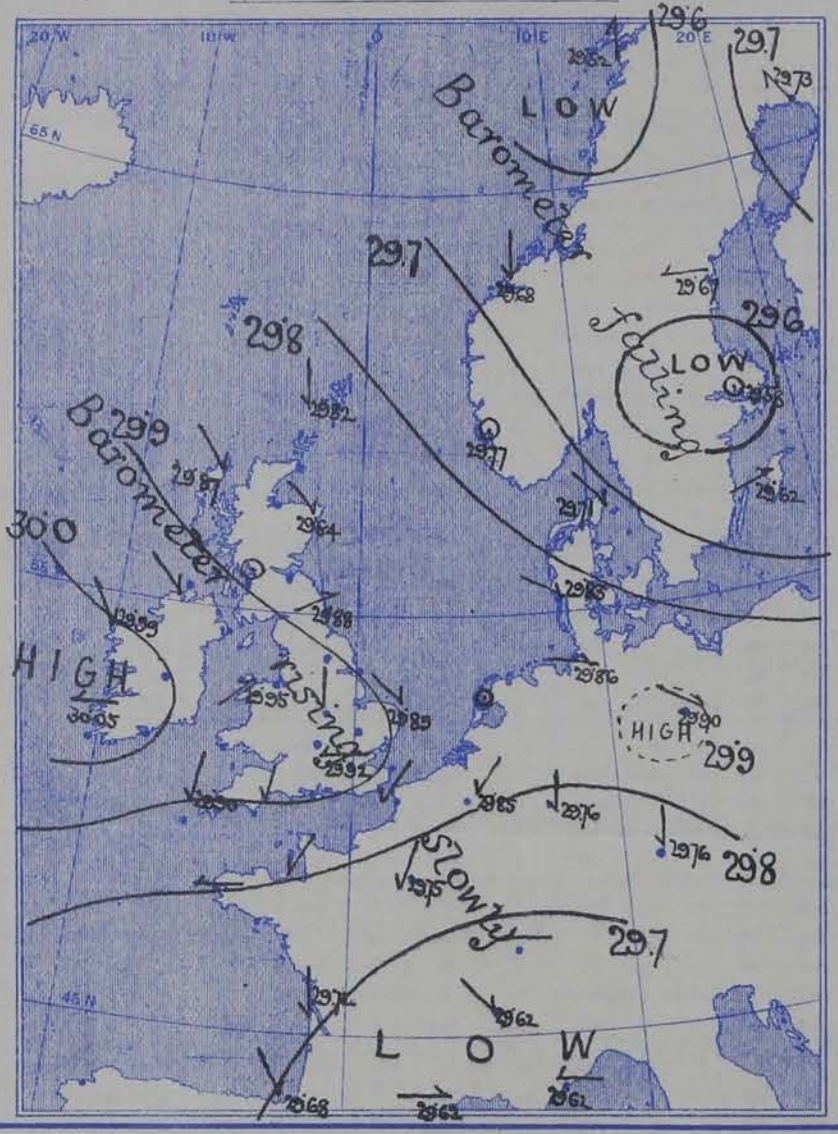
FOR Friday, 1st April, 1898

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* → ; }

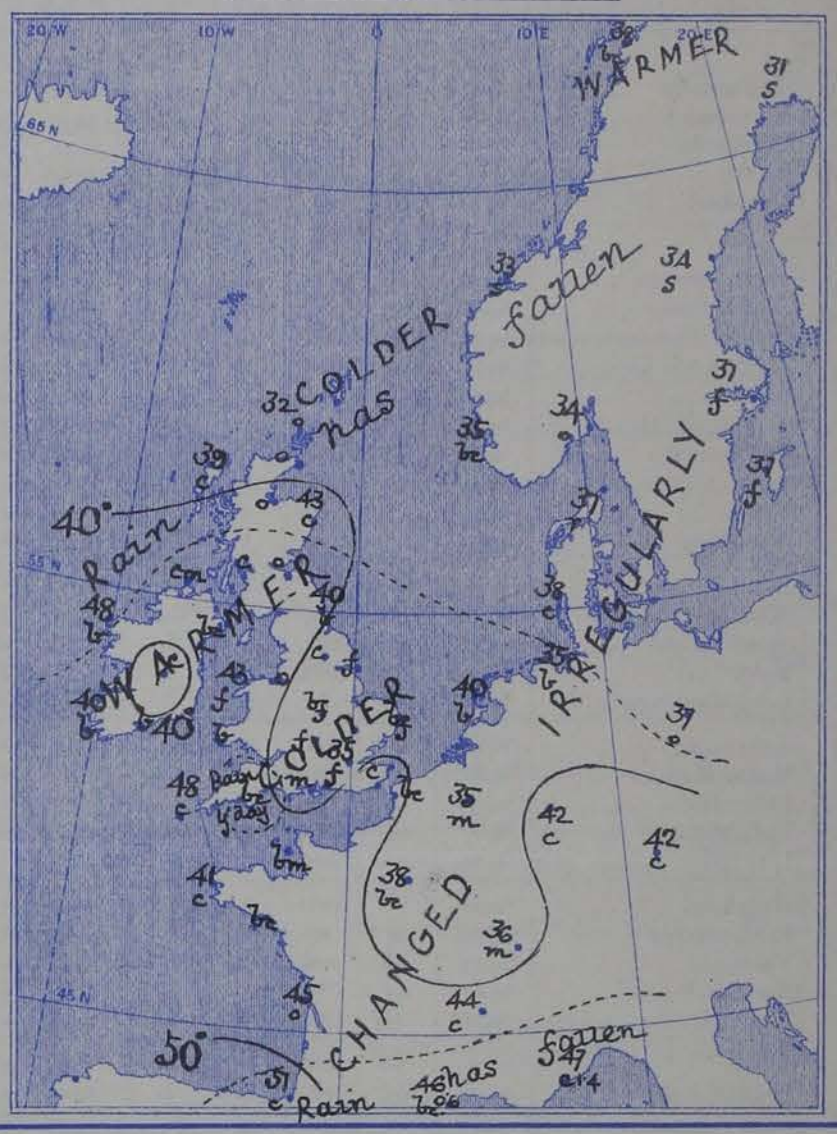
SEA—Rough ≡ ; *High* ▦



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 APRIL.*

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.0 ins. and more to 29.9 ins. over Ireland and England.
Lowest (1) below 29.6 ins. over Scandinavia, (2) below 29.7 ins. over the southern half of France.
Gradients slight. Distribution anticyclonic over Ireland and England.
Barometer rising at all our stations.

TEMPERATURE — Highest 51° to 46° in the southwest and south of France, 48° to 42° over Scotland & the N. of Ireland.
Lowest (1) 31° at Haparanda, 33° at Karlstad. (2) 30° at Loughborough and Cambridge, 31° at Oxford.
The maxima recorded yesterday exceeded 50° at several of our stations, but a very sharp frost occurred over central England early this morning.

WIND — Light from NW. to W. at our northern stations, calm over central England, moderate from NE. in the south, as well as over the Channel and the Bay of Biscay.

WEATHER — Unsettled over Scandinavia with rain and wet snow at several stations. Fine over the British Islands and France, but foggy or hazy at many stations.
Heavy rains have fallen in the S. of France (1.4 ins. at Nice) some considerable amounts in Sweden, and small amounts at several of our Nn. stations. Prawle Point reports a local fall of 0.19 in. Bright Sunshine recorded yesterday amounted to 11.5 hrs. at Valencia (Ireland) 8 hrs. at Parsonstown and Llandudno, and 7 hrs. at Cambridge. On the Sussex coast the amounts were small.

SEA — Slight to smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of dry hazy weather is probable, with low night temperatures.

FORECASTS

For the 24 hours ending at NOON on 2ND APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. winds, light or moderate, cloudy, local showers.
1	SCOTLAND EAST	W. and NW. winds, light, fair generally, but local fogs.
2	ENGLAND N.E.	
3	ENGLAND EAST	N. and NE. winds light, fair generally, but cold and foggy at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N. winds, light or moderate, fair generally.
9	IRELAND NORTH	Same as Nos. 1 and 2.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.79	40	39	L	0	m	1
Sumburgh Head	29.65	44	40	W	2	bc	3
Stornoway	29.73	44	40	W	4	o	4
Aberdeen	29.76	44	40	SSE	2	cg	1
Shields	29.81	45	43	NE	2	b	2
Ardrossan	29.79	49	47	NW	1	cm	0
Malin Head ...	29.82	46	44	WNW	2	b	2
Belmullet	29.89	47	41	N	1	b	*
Holyhead	29.80	47	43	NE	3	bm	2
Valencia	29.85	50	44	NE	3	bm	3
Scilly	29.65	48	45	NNE	4	c	1
Jersey	29.64	50	48	NE	3	bcm	3
Hurst Castle ...	29.70	46	43	E	5	om	3
Dungeness ...	29.70	44	42	ENE	4	o	3
North Foreland	29.83	43	41	ENE	3	bc	2
London (Westminster)	29.75	50	44	ENE	3	c	*
Yarmouth ...	29.79	45	43	ENE	3	b	2
Rochefort ...	29.69	53	50	NNW	4	bc	*

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

Weather in morning fine over the British Islands generally and the NW. of Norway, also over Belgium and W.n Germany and the W.n and S.n parts of the Spanish Peninsula, cloudy and unsettled elsewhere; rain falling in the SW. and S. of France, Corsica and Sardinia, as well as in some parts of Germany – sleet showers in the Scilly Islands, snow at Archangel. Heavy rain falling later over the S.n parts of France, considerable quantities over some parts of Scandinavia, & at Berlin, small quantities in Scotland, and locally in the S. of Devonshire.

Temperature in morning highest 62° at Athens, 60° at Malta and La Calle, and above 50° on the S.W. and E.n shores of the Mediterranean generally; 46° at Scilly, 44° in London, and 43° at Belmullet. Lowest (1) 25° at Uleaborg, 27° at Helsingfors, 30° at Moscow, 37° at Riga, (2) 35° at Belfort, 39° at Wiesbaden and Brussels; (3) 29° at Parsonstown, 33° at Cambridge and York, 34° at Leith. Rising later to between 50° and 54° over several parts of England, and to 62° at Paris, but not exceeding 55° at either Nice or Perpignan.

Wind Light to moderate in force generally, but exceedingly variable in direction – mainly anticyclonic over Russia and also over the British Islands, but cyclonic over the Bay of Biscay, France and N. Germany.

Barometer highest (1) 30.2 ins. and more to 30.1 ins. over Russia, (2) 29.9 ins. over the Azores, and exceeding 29.8 ins. over the NW. of Ireland. Lowest 29.5 ins. and less in a depression over N. Germany, and ranging from 29.45 ins. to 29.6 ins. in a complex series of disturbances over the NE. of Spain, the Bay of Biscay and France. Rising over the British Islands all day, but falling over the N.n parts of Scandinavia

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 2nd April, 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 ...	29.53	33	S	2	S	29.54	-.24	18	18	-13	S	0	f	*	S	*	34	?	-
	Hernösand ...	29.62	33	S	0	f	29.66	-.01	27	26	-7	S	0	f	*	f	*	36	27	0.20
	Stockholm ...	29.65	35	S	0	f	29.78	+.20	34	33	-3	S	0	0	*	0	*	37	34	-
	Wisby	29.76	38	WSW	4	b	29.78	+.16	35	35	-2	WSW	4	b	*	b	*	39	34	-
	Karlstad ...	29.68	35	W	2	r	29.73	+.13	30	29	-3	S	2	f	*	r	*	*	*	0.04
	Bodö	29.49	34	SW	6	o	29.34	-.18	35	33	-3	S	6	o	3	o	*	38	32	-
	Christiansund ...	29.72	35	N	3	o	29.49	-.19	36	33	+3	SE	2	c	4	o	*	36	33	0.20
	Skudesnaes ...	29.79	35	NNW	4	bc	29.69	-.08	36	34	+1	S	1	c	1	o,bc	*	41	32	*
	Færder (Christiania Fjord)	29.66	39	SW	2	bc	29.65	-.01	37	36	+3	S	0	bc	1	bc	*	41	34	-
	Skagen (The Scaw)	29.74	38	W	1	b	29.72	+.01	36	36	-1	SW	2	c	0	b	*	46	30	-
	Fanö	29.82	39	W	3	b	29.75	-.08	39	38	+1	W	3	c	*	b	*	45	37	-
	Sumburgh Head	29.77	36	W	1	o	29.36	-.46	42	42	+10	NNW	4	r	4	b	*	43	32	0.08
	Stornoway ...	29.79	46	WNW	3	c	29.51	-.36	43	42	+4	NNW	3	c	3	c	3.7	46	35	0.04
	Wick	29.80	41	NW	3	bc	29.47	-.37	45	44	+7	NNW	4	o	2	bc	*	47	37	0.02
	Nairn	29.82	48	S	0	c	29.51	-.36	45	43	+3	NNW	1	c	1	c	*	49	36	0.01
	Aberdeen ...	29.86	41	S	2	bc	29.58	-.26	47	42	+4	SW	2	bc	1	p.bc	4.3	47	38	0.06
British Islands.	Leith	29.84	43	ESE	1	o	29.66	-.20	44	42	+1	SW	2	bc	*	o	*	54	38	-
	Shields	29.87	44	NNE	2	c	29.73	-.15	42	40	+2	SW	2	bm	2	o,c	*	51	35	-
	Spurn Head ...	29.86	44	S	0	c	29.76	-.13	40	38	+5	NNW	3	bm	3	f.c	*	48	34	-
	York	29.86	50	NNE	1	c	29.78	-.13	37	36	+4	NNW	1	b	*	b.c	6.2	54	31	-
	Loughborough ...	29.87	48	NW	1	c	29.82	-.11	39	38	+9	N	1	bmw	*	cm.obm	*	54	30	-
	Ardrossan ...	29.87	47	NW	2	b	29.69	-.17	46	46	-1	NNW	3	o	2	c.b	*	54	43	-
	Malin Head ...	29.92	46	NNW	4	bcm	29.71	-.19	45	45	-1	N	5	cp	3	c.bcm	*	48	43	0.04
	Belmullet ...	30.07	49	WNW	2	o	29.87	-.12	47	44	-1	NNW	5	o	*	b,o	*	51	44	0.01
	Donaghadee ...	29.93	47	NNW	4	b	29.79	-.13	44	44	+1	NNW	3	r	1	b	*	53	38	0.02
	Liverpool (Bidston)	29.92	43	NNW	2	b	29.82	-.13	45	42	+4	N	3	o	3	b	*	48	40	-
	Holyhead ...	29.93	46	W	1	b	29.85	-.10	46	44	+3	SW	2	c	1	c.b	*	50	41	-
	Parsonstown ...	29.95	52	NW	1	bc	29.88	-.11	45	43	+6	NW	1	c	*	c	3.1	55	36	-
	Valencia ...	30.05	50	NNW	2	c	29.96	-.09	47	46	+7	NW	2	o	3	bc.c	8.4	52	39	-
	Roche's Point ..	29.98	51	NW	3	b	29.94	-.11	46	44	+6	NNW	3	o	3	b	*	52	40	-
	Pembroke (St. Ann's Hd.)	29.95	44	NNE	3	b	29.88	-.09	47	44	+3	N	3	b	2	b	5.7	51	42	-
	Scilly	29.96	48	NNW	4	c	29.90	.00	48	45	0	NW	4	c	1	b.c	11.3	52	43	-
	Prawle Point ...	29.91	47	NNW	2	b	29.89	-.02	51	47	+8	NNW	2	bc	1	b	*	52	37	-
	Jersey (St. Aubin's)	29.87	46	NNW	3	bm	29.86	+.01	47	45	+2	NW	2	bm	2	b.bmw	*	51	43	-
	Hurst Castle ...	29.87	49	NNE	2	cm	29.85	-.07	43	41	+6	N	2	cm	1	bcm.cm	*	52	36	-
	Dungeness ...	29.84	43	ENE	2	b	29.79	-.07	42	40	-1	NE	1	m	1	b	*	47	30	-
Germany & Holland.	North Foreland	29.88	41	NNE	2	b	29.83	-.07	39	38	-3	WNW	2	f	2	b	*	45	35	0.01
	London (Brixton) ...	29.85	46	NW	1	o	29.83	-.09	40	38	+5	WSW	1	o	*	29.mb	0.2	51	34	-
	Oxford	29.89	45	NNE	1	o	29.85	-.10	44	40	+13	NW	2	bc	*	bc.o.f	*	56	31	-
	Cambridge ...	29.87	47	E	1	bm	29.83	-.11	37	37	+7	NE	1	om	*	e.bm	3.9	54	31	-
	Yarmouth ...	29.84	42	SE	1	b	29.78	-.11	38	37	+3	S	0	f	3	b.f	*	44	31	-
	Cuxhaven ...	29.84	39	NNW	2	b	29.75	-.11	34	?	-1	N	1	f	*	b	*	43	34	-
	Berlin	29.83	39	NE	4	o	29.68	-.32	37	36	0	NNE	4	r	*	o	*	45	36	0.16
	Wiesbaden ...	*	*	*	*	*	29.65	-.21	39	36	-3	NE	2	o	*	*	*	52	39	-
	Munich	29.50	46	NW	2	o	29.34	-.42	39	39	-3	W	5	r	*	o	*	54	39	0.12
	The Helder ...	29.84	40	NNE	1	b	29.77	-.12	40	38	0	S	0	bc	1	b	*	48	36	-
France & Belgium.	Brussels ...	*	*	*	*	*	29.77	-.08	35	34	0	NNE	1	b	*	b	*	51	32	-
	Cape Gris Nez ...	?	42	ENE	3	b	?	?	41	39	0	NE	1	b	1	b	*	46	36	-
	Paris	29.72	50	NE	4	bc	29.76	+.01	35	34	-3	N	3	bc	*	bc	*	56	34	-
	Brest	29.88	48	NE	3	b	29.89	?	47	45	+6	N	1	c	1	b	*	52	37	-
	Lorient	29.84	51	NNE	5	bc	29.91	+.13	46	45	+4	NNW	4	bc	4	bc	*	57	37	-
	Rochefort ...	29.75	52	NNE	4	b	29.87	+.15	39	38	-6	NNE	4	bc	*	b	*	61	37	-
	Belfort	29.54	45	ENE	2	m	29.50	-.14	37	36	+1	ESE	1	f	*	m	*	52	36	-
	Lyons	29.50	51	W	2	o	29.59	-.03	41	38	-3	NW	3	o	*	o,t	*	62	40	-
	Nice	29.53	51	S	0	f	29.36	-.26	44	42	-3	E	3	c	2	f	*	54	39	0.16
	Perpignan ...	29.60	51	NW	4	o	29.60	-.02	50	46	+4	NW	4	c	*	o	*	54	46	-
	Biarritz ...	29.72	48	WSW	5	r	29.76	+.08	49	44	-2	NE	3	o	3	r	*	54	45	0.43
Peninsula.	Corunna ...																*			
	Lisbon	29.88	47	N	4	b	29.91	+.19	56	48	+10	NNE	5	b	*	b	*	55	46	-
	Azores (P. Delgada)	30.02	58	ESE	5	o	30.02	+.02	58	54	+5	ESE	5	o	6	o	*	63	53	-

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

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

Bright Sunshine yesterday Southport 8.5 hrs;

WEATHER CHARTS

FOR Saturday, 2nd April, 1898

BAROMETER, WIND AND SEA.

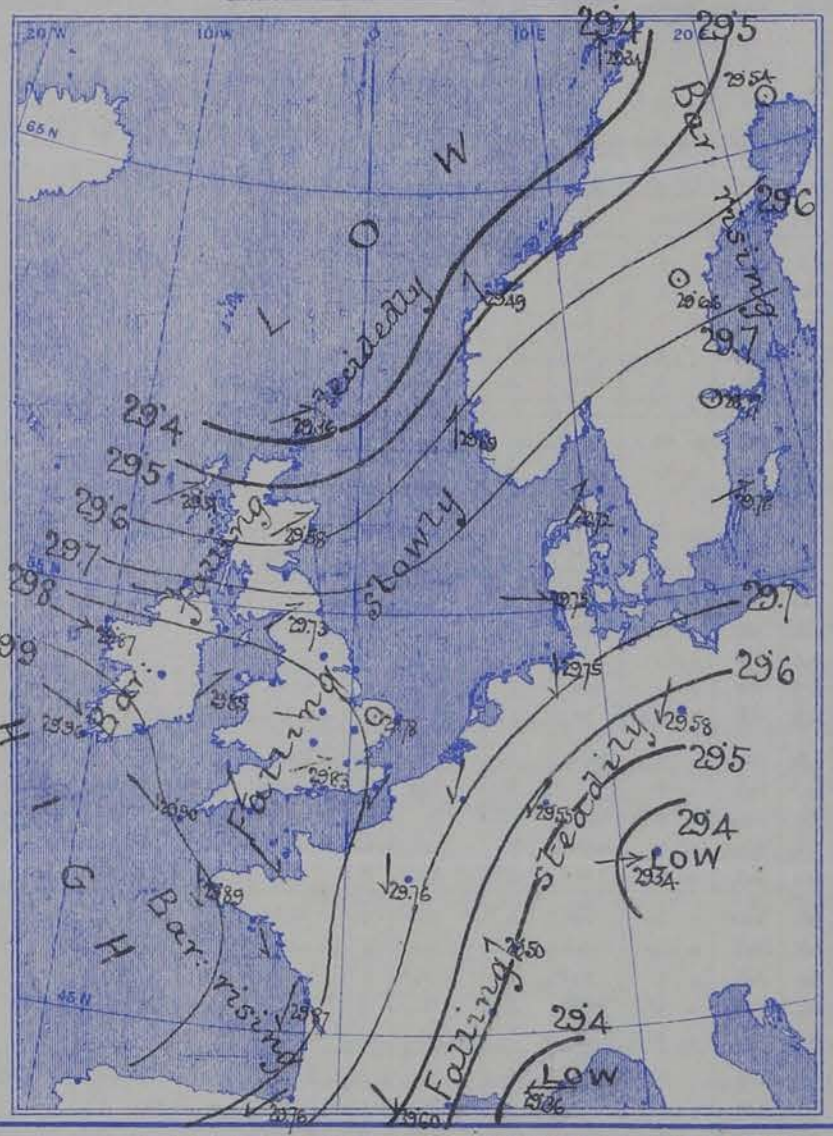
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

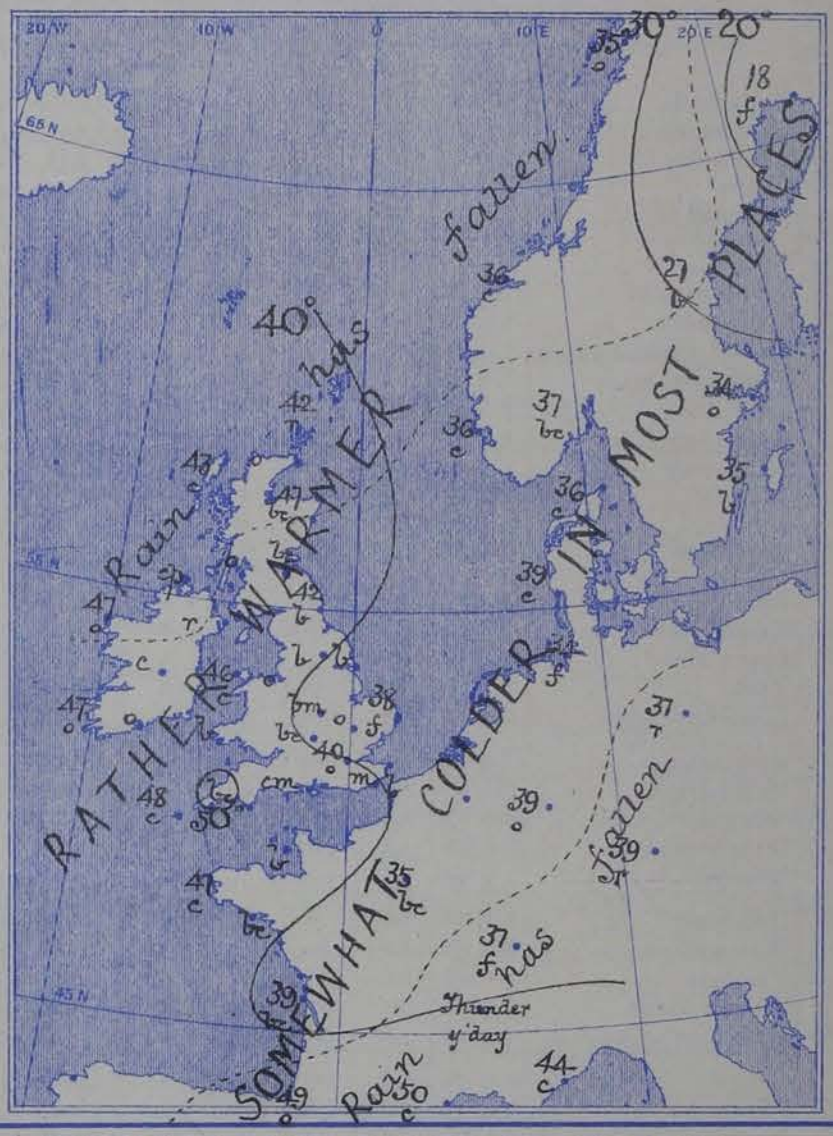


TEMPERATURE & WEATHER.

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 APRIL.

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29·9 ins: and more, over the Bay of Biscay and the southwestern parts of Ireland, and exceeding 29·7 ins: in a "col" stretching thence across England and the southern parts of the North Sea to the Baltic.

Lowest, Below 29·4 ins: (1) in a low pressure area over the Shetlands and the neighbouring parts of the Atlantic, and (2) in a depression over South Germany and another off the Riviera.

Gradients moderate for W. winds over our northern districts and for N. winds over France.

Barometer falling – very slightly on our southwest coasts, but decidedly in the north, and over Central Europe.

TEMPERATURE

Highest, 51° at Hawke Point, 50° at Perpignan, 48° at Scilly, 47° at Valencia and Belmullet.

Lowest, (1) 18° at Haparanda, 27° at Hernösand; 35° at Paris and Brussels; (2) 37° to 39° on the inland parts of our northern and eastern counties.

It has risen several degrees over England and the east of Ireland, fallen slightly over France.

WIND

(1) W. over all the northern parts of our Islands, S. to SE. in the west of Norway
(2) W. to N. over the English Channel; NW. to NE. over France, W. at Munich.

It is not strong anywhere, but is apparently freshening at the Scotch stations.

WEATHER

Cloudy or overcast over the northwestern and northern parts of our area, with rain in the north of Ireland and at Lerwick Hd., fine over our southwestern and southern districts and over France, foggy at Belfast, dull and rainy over Germany.

A little rain has fallen over Scotland and the north of Ireland, and a considerable quantity at Biarritz, thunder occurred at Lyons.

Bright Sunshine recorded yesterday amounted to 11·3 hrs at Scilly, more than 9 hrs: at Eastbourne and Hastings, and 8 hrs at Valencia; at the more Nth. stations there was decidedly less.

SEA

Smooth or nearly so on all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable winds from between SW. and NW. are probable on all our coasts, with showers in the north, and considerable alterations of temperature in all districts.

FORECASTS

For the 24 hours ending at NOON on 3rd APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. and NW. winds, becoming stronger; showery, colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW. and W. winds; milder today, colder tomorrow.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as No 2.
5	ENGLAND SOUTH	NW. to SW. breezes, light; fine, hazy, milder.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	N. and NW. breezes, moderate; fair.
8	ENGLAND S.W.	
9	IRELAND NORTH	W. and NW. breezes, freshening; some showers, colder.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.75	41	41	S	2	o	2
Sumburgh Head	29.84	36	35	WNW	1	b	3
Stornoway	29.87	45	42	SSE	3	c	3
Aberdeen	29.87	45	40	N	3	bc	2
Shields	29.87	50	46	W	2	o	2
Ardrossan	29.86	54	52	NW	2	c	3
Malin Head ...	29.93	48	47	NNW	3	c	1
Belmullet	30.02	51	45	NNW	2	b	*
Holyhead	29.94	49	46	NW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.04	52	48	NW	3	bc	3
Scilly	29.94	51	48	N	3	c	1
Jersey	29.88	50	46	NNE	4	b	3
Hurst Castle ...	29.87	52	47	WSW	2	bcm	1
Dungeness ...	29.84	46	42	ENE	4	b	3
North Foreland	29.89	45	43	NE	2	b	2
London (Westminster)	29.87	50	43	NE	2	m	*
Yarmouth ...	29.87	44	42	ESE	2	b	3
Rochefort ...							*

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

Weather in morning fair over the British Islands and the northern parts of France, as well as in many parts of Spain; unsettled elsewhere, with rain in many localities, snow over the northern parts of Scandinavia. Considerable rain later in the southwest of France, and smaller quantities in several parts of Germany and Scandinavia; and a little over Scotland and the north of Ireland: lightning seen at Lyon in the afternoon.

Temperature rising over Ireland and Scotland. Morning readings highest (1) 64° at Palermo, 63° at Leeuwà, 61° at Malta; (2) 51° at Biarritz, 48° at Scilly and Belmullet, 47° at Ardrossan; (3) 47° at Humanstadt, 44° at Buda Pesth and Cracow, 41° at Warsaw. Lowest (1) 29° at Archangel, 31° at Moscow and Haparanda, 38° at Kharkov; (2) 30° at Loughborough and Cambridge, 31° at Oxford, 33° at York; 35° at Brussels, 36° at Belfort, 38° at Paris. Rising later to between 50° and 56° over Ireland and England, to 56° at Paris and 62° at Lyons, but not exceeding 54° at Nice, Perpignan, or Biarritz.

Wind light to moderate in force very generally, and very variable in direction; (1) anticyclonic from between N. and W. at our northern stations, and from NE in the south; (2) calms and anticyclonic SE airs over Russia; (3) but complex cyclonic circulations prevailing over Scandinavia on the one hand, and over southern Europe and the Mediterranean on the other. Backing to the W. in the north of Scotland later, but freshening from the N. over France.

Barometer highest 30·1 in: and more to 29·9 in: over Russia and Poland; (2) 30·0 in: and more to 29·9 in: over Ireland and England. Lowest Below 29·6 in: in large and complex, but shallow disturbances, over Scandinavia on the one hand, and over the Mediterranean and the south of France on the other. Falling rather decidedly in the north of Scotland towards night, as well as over the southern parts 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.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 3rd April, 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 ...	29.62	21	2	0	b	29.51	— .03	30	28	+ 12	SW	2	o	*	b	*	34	14	—
	Hernösand ...	29.60	35	S	6	f	29.38	— .28	32	31	+ 5	S	2	o	*	f	*	37	21	—
	Stockholm ...	29.68	33	2	0	c	29.45	— .33	34	33	0	SW	2	o	*	c	*	37	32	—
	Wisby	29.64	37	N	4	r	29.48	— .30	35	35	0	NNW	4	f	*	r	*	41	32	0.08
	Karlstad ...	29.59	35	SW	2	o	29.38	— .35	34	33	+ 4	S	2	o	*	o	*	*	*	—
	Bodö	29.29	39	S	2	o	29.11	— .23	40	37	+ 5	E	1	c	1	a	*	40	32	—
	Christiansund ...	29.26	41	WSW	2	c	29.11	— .38	39	36	+ 3	WSW	4	c	4	c	*	43	34	—
	Skudesnaes ...	29.40	39	S	7	o	29.38	— .31	40	39	+ 4	W	4	c	3	o	*	40	32	*
	Fierder (Christiania Fjord)	29.52	38	SSW	4	c	29.29	— .36	39	38	+ 2	WSW	6	b	3	c	*	39	36	0.04
	Skagen (The Scaw)	29.59	37	SSW	1	c	29.41	— .31	41	40	+ 5	W	1	bc	0	c	*	45	30	0.04
	Fanö	29.62	38	W	2	b	29.58	— .17	41	39	+ 2	W	4	b	*	b	*	46	37	—
British Islands	Sumburgh Head	29.20	39	WSW	4	r	29.24	— .12	39	36	— 3	WSW	4	c	5	c, r	*	48	32	0.21
	Stornoway ...	29.45	45	NW	5	b	29.45	— .06	36	35	— 7	WNW	3	o	3	r,b,bc,b	6.7	46	33	0.15
	Wick	29.35	40	W	7	bc	29.41	— .06	38	36	— 7	W	6	csp	3	ac,bc	*	48	33	0.05
	Nairn	29.48	40	W	3	c	29.49	— .02	40	37	— 5	WNW	3	o	3	c	*	51	33	0.09
	Aberdeen ...	29.46	44	W	5	bc	29.52	— .06	45	39	— 2	WSW	3	bc	1	rg,bc	6.9	55	36	0.01
	Leith	29.53	45	WSW	4	bc	29.59	— .07	45	41	+ 1	WSW	2	c	*	bc	*	54	38	—
	Shields	29.59	49	WSW	3	c	29.66	— .07	46	44	+ 4	W	3	c	2	p,c	*	53	38	—
	Spurn Head ...	29.66	45	W	4	c	29.74	— .02	45	42	+ 5	W	1	b	3	c	*	48	39	—
	York	29.67	47	W	3	c	29.73	— .05	44	40	+ 7	W	2	bc	*	b,c	3.6	51	35	—
	Loughborough ...	29.74	48	W	2	c	29.80	— .02	45	42	+ 6	W	2	c	*	bc,c,o,c	*	61	39	—
	Ardrossan ...	29.59	46	W	3	c	29.62	— .07	44	44	— 2	WSW	4	cp	3	c	*	49	41	0.07
	Malin Head ...	29.66	45	WNW	5	cp	29.62	— .09	43	43	— 2	W	5	cp	4	c	*	47	42	0.11
	Belmullet ...	29.87	48	W	6	b	29.76	— .11	46	44	— 1	W	5	o	*	b	*	50	43	0.04
	Donaghadee ...	29.71	49	WNW	4	c	29.72	— .07	45	44	+ 1	W	4	b	2	c	*	55	36	0.01
	Liverpool (Bidston)	29.73	47	W	5	o	29.79	— .03	45	42	0	W	4	bc	4	o	*	48	41	—
	Holyhead ...	29.77	48	SW	3	c	29.81	— .04	46	43	0	W	3	c	2	p, c	*	52	42	—
	Parsonstown ...	29.82	48	W	1	c	29.82	— .06	45	43	0	W	1	bc	*	c	2.2	52	39	—
	Valencia ...	29.94	46	W	4	c	29.91	— .05	46	44	— 1	WSW	3	omp	4	o,c	1.1	50	45	0.03
	Roche's Point ..	29.88	49	NW	4	c	29.91	— .03	46	44	0	W	2	c	2	c	*	52	43	—
	Pembroke (St. Ann's Hd.)	29.88	47	NW	4	o	29.87	— .01	46	43	— 1	NW	4	c	3	c,o	4.5	48	45	—
	Scilly	29.92	48	WNW	4	o	29.95	+ .05	49	47	+ 1	WNW	4	c	2	bc,o	4.6	52	43	—
	Prawle Point ...	29.87	46	NW	3	bc	29.93	+ .04	47	45	— 4	WSW	3	bc	2	bc	*	54	43	—
	Jersey (St. Aubin's)	29.88	50	WNW	3	bc	29.95	+ .09	50	48	+ 3	NW	3	cw	3	bc	*	54	44	—
	Hurst Castle ...	29.81	50	NW	3	bc	29.87	+ .02	47	45	+ 4	WNW	3	c	2	c bc	*	56	43	—
	Dungeness ...	29.75	45	WSW	1	c	29.82	+ .03	47	45	+ 5	WNW	3	c	2	c	*	49	41	—
	North Foreland	29.75	48	W	1	c	29.84	+ .01	47	45	+ 8	W	2	b	1	c, f	*	50	37	—
	London (Brixton) ...	29.76	50	NW	2	o	29.82	— .01	47	43	+ 7	W	2	c	*	c,o	3.0	54	39	—
	Oxford	29.83	47	W	2	o	29.89	+ .04	47	42	+ 3	W	2	o	*	o	*	53	43	—
	Cambridge ...	29.74	49	WNW	2	o	29.82	— .01	48	44	+ 11	WNW	3	o	*	o	6.0	55	35	—
	Yarmouth ...	29.70	47	NW	2	c	29.75	— .03	46	43	+ 8	WNW	4	b	3	c	*	47	38	—
Germany & Holland	Cuxhaven ...	29.65	39	NW	2	b	29.63	— .12	38	38	+ 4	SW	1	o	*	o	*	41	34	—
	Berlin	29.46	39	NNW	5	r	29.69	+ .11	38	37	+ 1	WNW	2	o	*	r	*	39	37	0.59
	Wiesbaden ...	*	*	*	*	*	29.83	+ .18	41	39	+ 2	NW	1	bc	*	*	*	46	38	0.04
	Munich... ..	29.58	35	W	6	o	29.77	+ .13	33	33	— 6	W	5	s	*	o	*	45	33	0.16
	The Helder ...	29.69	41	W	1	b	29.72	— .05	44	42	+ 4	W	1	bc	1	b	*	46	39	—
France & Belgium	Brussels ...	*	*	*	*	*	29.83	+ .06	42	41	+ 7	WSW	1	o	*	b	*	49	34	—
	Cape Gris Nez...	?	45	SW	1	m	?	?	44	42	+ 3	WNW	2	o	2	m	*	50	37	—
	Paris	29.78	48	N	3	bc	29.89	+ .13	43	41	+ 8	W	1	o	*	bc	*	55	35	—
	Brest	29.93	49	NNW	3	c	30.03	+ .14	50	43	+ 3	NW	2	c	2	c	*	52	43	—
	Lorient... ...	29.92	50	NNW	2	bc	29.99	+ .08	46	44	0	NW	2	c	2	bc	*	55	45	—
	Rochefort ...	29.91	50	WNW	4	o	29.98	+ .11	46	45	+ 7	NNW	2	o	*	c,o	*	54	37	—
	Belfort	29.64	40	SW	3	m	29.85	+ .35	33	32	— 4	WSW	1	m	*	m	*	46	33	—
	Lyons	29.71	42	N	1	bc	29.89	+ .30	39	35	— 2	N	3	b	*	bc	*	44	37	—
	Nice	29.31	48	2	o	r	29.53	+ .17	48	45	+ 4	E	1	c	1	r	*	55	41	0.04
	Perpignan ...	29.71	52	NW	4	b	29.87	+ .27	47	42	— 3	NW	4	o	*	b	*	57	45	—
	Biarritz ...	29.88	51	NNW	4	c	30.00	+ .24	51	47	+ 2	N	3	o	2	c	*	52	46	—
Peninsula	Corunna ...																*			
	Lisbon	30.07	53	NNW	5	b	30.17	+ .19	53	47	— 3	NNW	3	b	*	b	*	59	50	—
	Azores (P. Delgada)	30.02	58	SE	5	o	29.96	— .06	60	59	+ 2	SE	5	o	6	o	*	63	57	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 2.3 hrs;

WEATHER CHARTS

FOR Sunday, 3rd April, 1898

BAROMETER, WIND AND SEA.

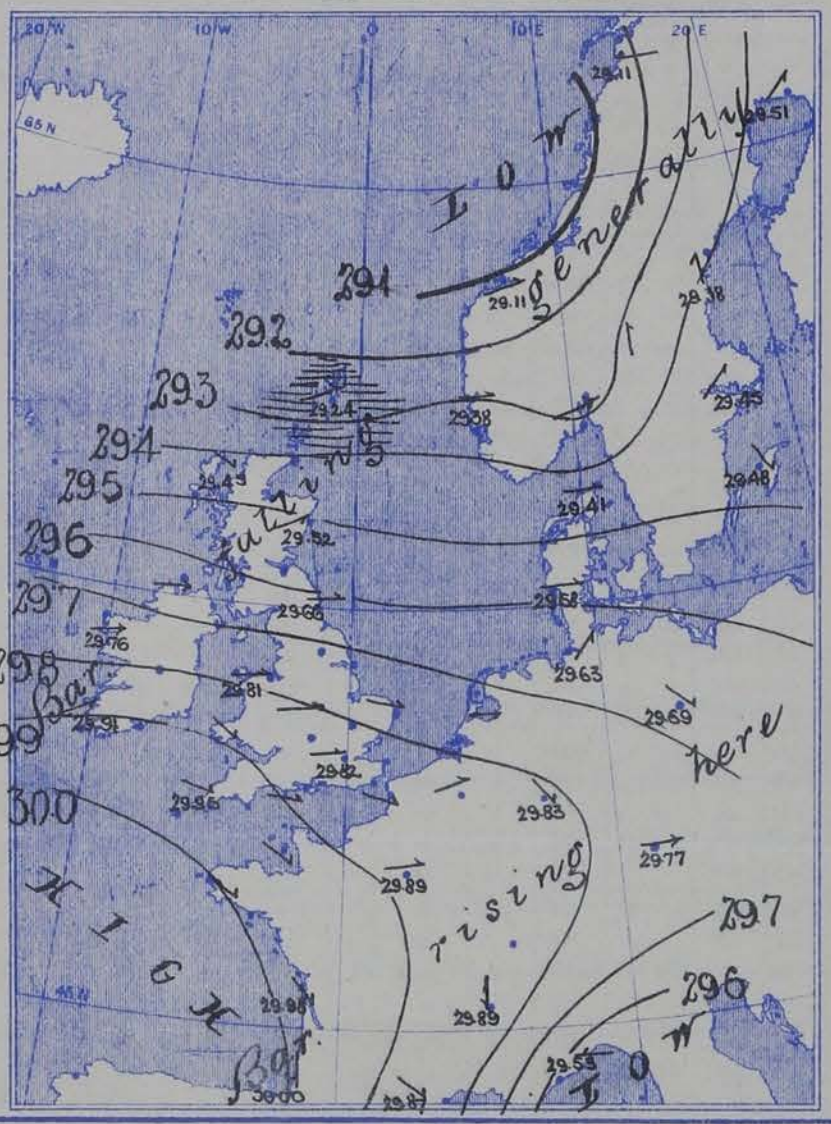
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

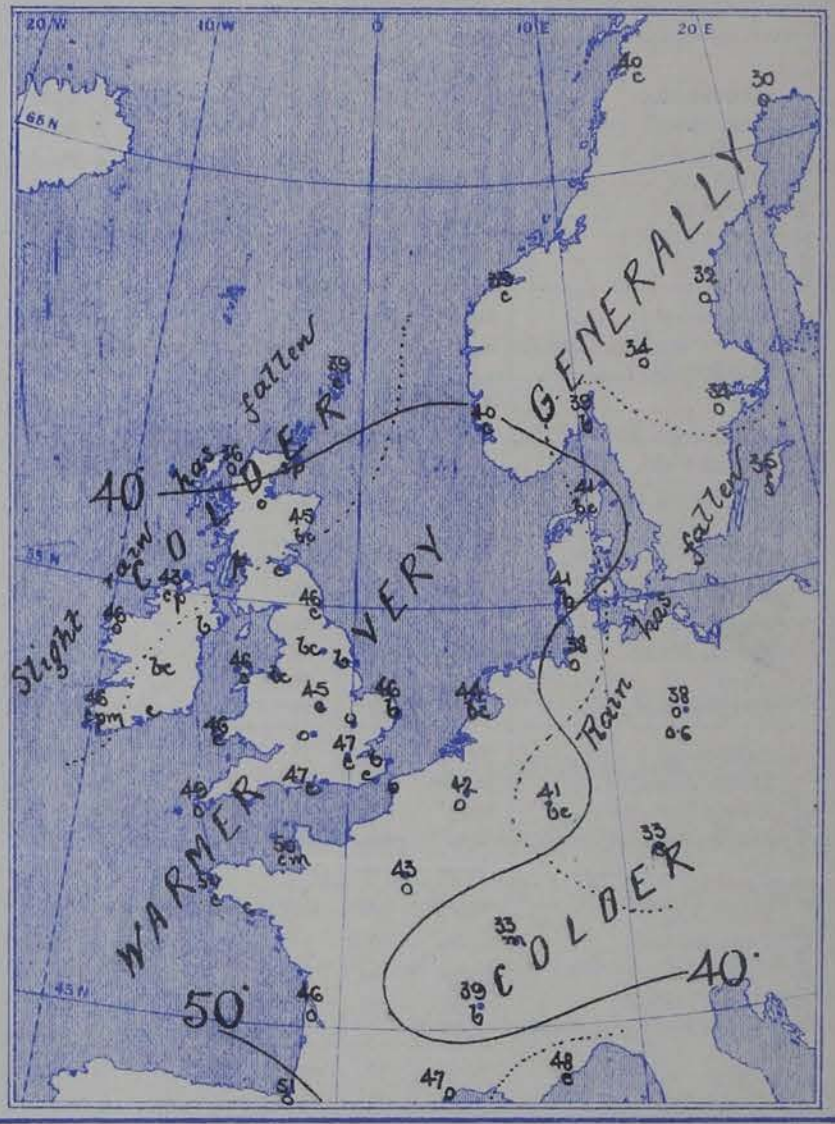


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·17 in: at Lisbon, and ranging from 30·0 in: to 29·8 in: over the Bay of Biscay, the southern parts of Ireland and England, France, and Western Germany.
Lowest (1) Below 29·1 in: over the northwest of Norway and adjacent part of the Atlantic; (2) below 29·6 in: over the Gulf of Genoa.
Gradient moderate – favourable for W^ly breezes in the north, and N^ly over France.
Barometer falling over our Islands – most in the north, but rising over France.

TEMPERATURE

Highest, 51° at Biarritz, 50° at Brest and Jersey, 48° at Cambridge, 46° in the west of Ireland.
Lowest, 30° to 35° at the Swedish stations; 33° at Munich and Belfort, 36° at Stornoway, 38° at Wick.
The maxima recorded yesterday were as high as 50° to 56° over our Islands generally, 55° at Paris and Nice, 57° at Perpignan.

WIND

(1) W^ly over the United Kingdom and moderate in force, W^ly to SW^ly over Denmark and Norway, but SW^ly to S^ly in Sweden, and E^ly at Bodö.
(2) NW^ly to N^ly at the French stations generally, but E^ly at Nice.

WEATHER

Dull and changeable over the northern and northwestern parts of the Kingdom, with showers in several places, sleet at Wick; fair in the south of our Islands; dull over Germany, with snow at Munich.
A little rain and sleet or snow have fallen in the north and northwest of our Islands and in Denmark and a considerable quantity over Germany.
Bright Sunshine recorded yesterday ranged from 0·1 hrs at Valencia to 6·9 hrs at Valencia.

SEA

Rather rough at Lerwick Hd., moderate at our northeastern and extreme southern stations – smooth in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 4th APRIL 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F	WEA.	SEA.
Skudesnaes ...	29.59	39	37	SSE	4	o	3	Valencia	29.94	50	45	WNW	4	o	4
Sumburgh Head	29.25	41	40	WSW	4	r	4	Scilly	29.94	51	46	NW	4	bc	1
Stornoway	29.44	45	43	WNW	5	bc	5	Jersey	29.87	53	47	WNW	3	b	3
Aberdeen	29.45	52	45	SW	3	bc	2	Hurst Castle ...	29.79	55	48	WNW	3	c	2
Shields	29.63	49	47	SW	2	cp	2	Dungeness ...	29.76	46	43	WNW	2	c	1
Ardrossan	29.60	49	47	W	3	o	2	North Foreland	29.78	48	43	NW	1	c	1
Malin Head ...	29.66	47	46	WNW	5	c	6	London (Westminster)	29.77	52	44	NNW	3	c	*
Belmullet	29.83	50	47	W	3	o	*	Yarmouth ...	29.70	44	42	SSE	4	c	3
Holyhead	29.80	48	46	SW	3	cp	2	Rochefort ...	29.91	50	45	N	3	c	*

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

Weather in morning fine and bright over Spain, the west and south of France, England, and Ireland, as well as many stations on the shores of the North Sea and the Baltic; cloudy and showery in the north of our Islands, dull and raining over Germany, Austria, and some parts of the Mediterranean. Considerable rain over Germany, Lately, and small quantities in the north of our Islands, and at some of the Scandinavian stations.

Temperature risen a little over our Islands, and considerably over Central Europe, fallen over France and the north of Scandinavia. Morning readings highest 61° at Hermannstadt, 60° at Pindisi, and above 50° over Austria, as well as at most of the Mediterranean stations; 56° at Lisbon, 51° at Thorshavn, 47° at Valencia (Ireland) and Belmullet. Lowest (1) 8° at Kasaranda, 27° at Haparanda, 35° at Brussels and Paris; (2) 37° to 39° over our north and east midland counties. Rising Lately to between 50° and 55° over our Islands and France, and to 57° at Perpignan.

Wind anticyclonic from between W. and N. over Ireland, England, and the western half of France, and from between SSE. and SSW over Russia. Cyclonic from the W^ds over Scotland and from S. and SE. in Norway, and also over South Germany, the southeast of France, SW^d to S^d over Algeria. Becoming more N^ly Lately over Scotland and the north of Ireland, and increasing in force.

Barometer highest (1) 30·1 ins: and more to 29·8 ins: over Russia; (2) 29·9 ins: and more to 29·8 ins: over Ireland, England, the north and west of France and the west of Spain. Lowest (1) below 29·4 ins: over the Shetlands and off the west coast of Norway; (2) 29·4 ins: and less to 29·5 ins: in a complex disturbance over South Germany, the north of Italy, the southeast of France and the northern parts of the Mediterranean. Falling briskly Later over Scotland and the west of Norway, rising slightly over France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 4th April, 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 ...	29.17	32	S	2	0	29.31	-.20	29	29	- 1	NSW	4	b	*	0	*	34	16	0.35
	Hernösand ...	29.31	36	SSE	0	b	29.55	+.17	34	31	+ 2	SE	0	b	*	b	*	36	28	-
	Stockholm ...	29.58	39	SE	0	b	29.70	+.25	37	35	+ 3	SW	2	b	*	b	*	45	30	-
	Wisby	29.70	37	NSW	4	b	29.76	+.28	37	35	+ 2	SW	4	b	*	b	*	45	34	-
	Karlstad ...	29.53	37	SW	2	b	29.62	+.24	35	34	+ 1	SSW	4	f	*	b	*	*	*	-
	Bodö	28.98	35	SE	2	bc	29.15	+.04	37	35	- 3	SSW	6	c	3	bc	*	40	82	0.35
	Christiansund ...	29.24	37	NSW	8	o	29.38	+.27	37	35	- 2	ESE	1	o	3	o	*	41	32	0.04
	Skudesnaes ...	29.51	40	S	6	c	29.36	-.02	37	37	- 3	SSW	7	o	4	c.o	*	41	34	*
	Færder (Christiania Fjord)	29.52	41	NSW	5	b	29.49	+.20	40	39	+ 1	SSE	6	o	4	b	*	43	37	-
	Skagen (The Scaw)	29.67	41	NNW	2	bc	29.58	+.17	39	38	- 2	SSW	5	c	1	bc	*	41	30	-
	Fanö	29.74	41	W	4	b	29.65	+.07	42	40	+ 1	SW	4	c	*	b	*	48	39	-
	Sumburgh Head	29.26	41	NSW	3	c	29.50	+.26	36	33	- 3	N	4	c	4	c	*	45	30	0.26
	Stornoway ...	29.30	39	NNW	5	s	29.72	+.27	36	35	0	NNE	5	c	5	rsqh	4.2	44	32	0.30
	Wick	29.27	41	W	6	c	29.60	+.19	40	39	+ 2	NE	4	rspu	3	c	*	51	34	0.04
	Nairn	29.35	40	W	2	c	29.67	+.18	36	35	- 4	W	2	bc	2	c	*	49	32	0.12
	Aberdeen ...	29.38	46	SW	4	cpq	29.61	+.09	39	36	- 6	NW	6	bcq	4	cqp	3.2	49	34	0.01
British Islands.	Leith	29.49	45	NSW	4	bc	29.68	+.09	37	35	+ 8	WSW	3	b	*	bc	*	51	34	0.02
	Shields	29.61	48	SW	3	c	29.68	+.02	41	39	- 5	W	3	b	2	c.r	*	53	36	0.04
	Spurn Head ...	29.75	46	NSW	3	c	29.71	-.03	43	40	- 2	WNW	4	c	4	c.p	*	50	42	0.03
	York	29.73	49	NSW	3	c	29.72	-.01	42	39	- 2	W	1	b	*	c.p	3.6	51	39	0.03
	Loughborough ...	29.82	49	W	2	c	29.79	-.01	43	40	+ 2	WNW	2	c	*	cp	*	55	42	0.01
	Ardrossan ...	29.54	46	NSW	5	cpq	29.72	+.10	42	41	- 2	NW	4	bp	3	cqp	*	48	37	0.06
	Malin Head ...	29.56	43	W	7	crq	29.79	+.17	41	41	- 2	NNW	5	bcqr	4	cqr	*	47	36	0.11
	Belmullet ...	29.73	47	W	5	cp	29.94	+.18	42	40	- 4	N	2	c	*	o.cp	*	50	38	0.05
	Donaghadee ...	29.65	50	W	4	c	29.80	+.08	40	38	- 5	W	6	b	4	c	*	54	33	0.02
	Liverpool (Bidston)	29.76	47	SW	4	o	29.80	+.01	43	38	- 2	W	5	bc	5	c.o	*	51	37	0.02
	Holyhead ...	29.76	47	SW	3	cpq	29.84	+.03	44	41	- 2	NW	5	c	4	cpq	*	49	40	0.01
	Parsonstown ...	29.76	48	W	2	c	29.93	+.11	43	40	- 2	NW	1	b	*	c.or	6.2	52	36	0.09
	Valencia ...	29.86	50	NSW	5	cp	30.00	+.09	47	42	+ 1	NW	3	bc	4	cp	3.1	52	43	0.04
	Roche's Point ..	29.85	50	W	4	bc	29.97	+.06	45	42	- 1	NW	4	b	3	bc	*	52	42	-
	Pembroke (St. Ann's Hd.)	29.86	47	W	5	o	29.92	+.05	45	42	0	NNW	4	c	4	o	0.6	48	43	0.01
	Scilly	29.96	49	NSW	4	c	29.96	+.01	50	47	+ 1	NNW	4	bc	3	c	7.8	53	44	0.01
	Prawle Point ...	29.95	47	NSW	3	c	29.93	-.00	48	47	+ 1	NSW	4	bcp	3	c.p	*	51	44	0.04
	Jersey (St. Aubin's)	30.00	50	NNW	4	cq	29.98	+.03	50	49	0	W	4	cq	3	c.p	*	54	46	0.02
	Hurst Castle ...	29.90	47	W	3	o	29.89	+.02	47	45	0	NSW	3	c	2	o	*	53	45	-
	Dungeness ...	29.85	47	NSW	4	c	29.83	+.01	46	45	- 1	NSW	4	c	3	c	*	53	43	-
	North Foreland	29.87	49	S	2	c	29.83	-.01	48	46	+ 1	SW	4	c	2	c	*	53	43	-
	London (Brixton) ...	29.85	52	W	2	bc	29.83	+.01	48	45	+ 1	NSW	3	bc	+	e.bc.o	3.3	58	44	-
	Oxford	29.88	46	W	2	c	29.84	-.05	49	45	+ 2	W	2	c	*	c	*	56	42	-
	Cambridge ...	29.82	52	SW	1	o	29.80	-.02	48	46	0	NSW	3	c	*	c.o	2.9	56	44	-
	Yarmouth ...	29.80	50	W	2	bc	29.74	-.01	48	45	+ 2	NNW	4	c	3	bc	*	57	43	-
Germany & Holland.	Cuxhaven ...	29.78	43	W	2	b	29.75	+.12	39	39	+ 1	S	2	c	*	b	*	46	37	-
	Berlin	29.82	48	NNW	2	o	29.87	+.18	43	42	+ 5	W	2	c	*	o	*	52	38	-
	Wiesbaden ...	*	*	*	*	*	29.95	+.12	39	38	- 2	W	2	o	*	*	*	46	36	-
	Munich	29.95	34	W	5	r	29.99	+.22	35	34	+ 2	W	4	r	*	r	*	37	33	0.08
	The Helder ...	29.84	44	SW	1	o	29.72	.00	44	42	0	SW	2	o	2	o	*	50	43	-
Belgium.	Brussels ...	*	*	*	*	*	29.89	+.06	43	42	+ 1	SW	4	o	*	o	*	53	39	-
	Cape Gris Nez ...	?	46	W	2	o	?	?	46	44	+ 2	W	4	o	3	o	*	52	?	-
	Paris	29.98	50	W	2	bc	30.01	+.12	45	42	+ 2	SW	1	bc	*	bc	*	53	43	-
	Brest	30.06	49	NW	2	c	30.02	-.03	50	48	0	WNW	3	c	2	c	*	54	43	0.04
	Lorient	30.05	50	W	4	c	30.06	+.07	49	47	+ 3	WSW	4	bc	4	e	*	55	45	-
France &	Rochefort ...	30.08	50	NNW	4	c	30.16	+.18	48	46	+ 2	NW	2	e	*	e	*	54	45	-
	Belfort	29.94	41	ENE	2	m	30.01	+.16	39	37	+ 6	W	2	m	*	m	*	50	33	-
	Lyons	29.97	45	NW	2	o	30.06	+.17	43	41	+ 4	NW	2	o	*	o	*	50	*	-
	Nice	29.63	50	W	0	bc	29.77	+.24	47	42	- 1	E	2	b	1	bc	*	56	43	-
	Perpignan ...	29.94	52	NW	4	c	30.08	+.21	50	44	+ 3	NW	2	b	*	c	*	57	45	-
	Biarritz ...	30.07	52	NW	3	o	30.12	+.12	48	46	- 3	SE	2	c	2	o	*	58	46	0.12
Peninsula.	Corunna ...																*			
	Lisbon	30.23	51	NNW	5	b	30.23	+.06	53	50	0	N	4	b	*	b	*	59	48	-
	Azores (P. Delgada)	30.00	61	SSE	5	o	30.06	+.10	61	60	+ 1	SE	4	o	4	o	*	64	59	0.20

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 3.6 hrs;

WEATHER CHARTS

FOR Monday 4th April, 1898

BAROMETER, WIND AND SEA.

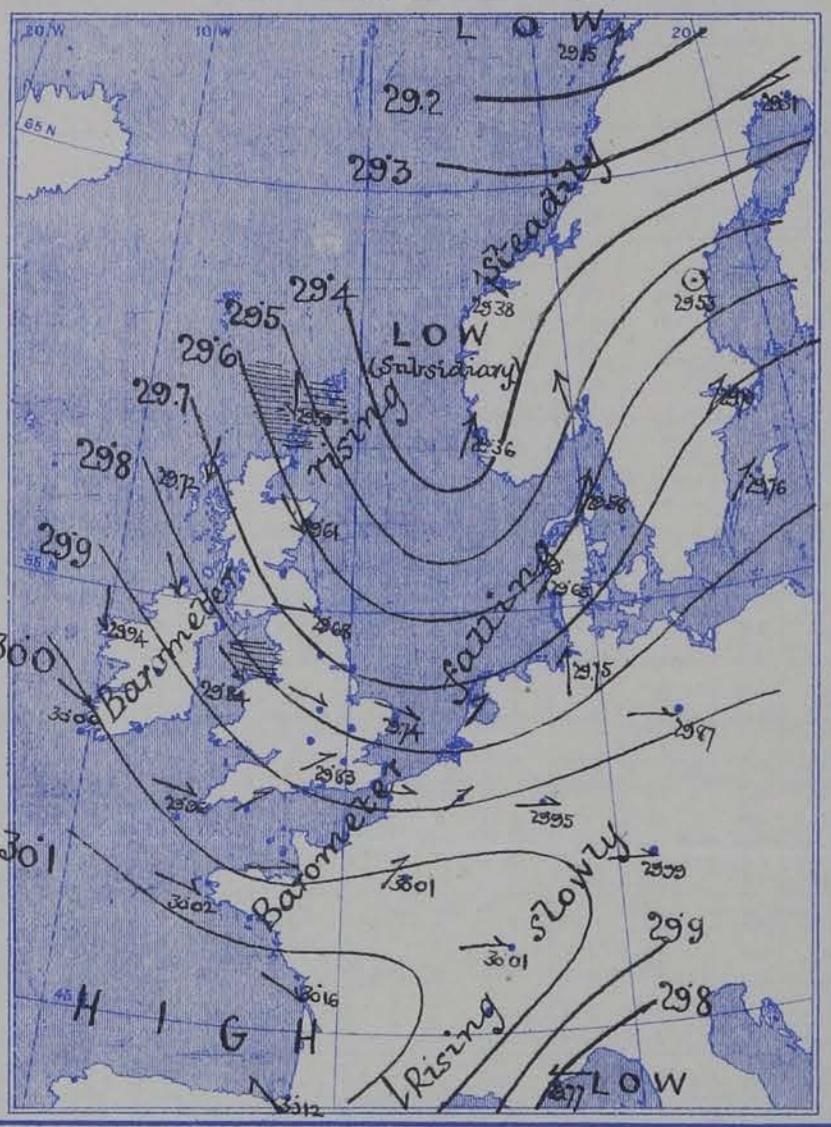
BAROMETER—Isobars are drawn for each tenth of an inch.

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 APRIL.

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and more to 30·0 ins: over the Bay of Biscay, France, and the extreme southwest of Ireland.
Lowest, 29·2 ins: and less, to 29·3 ins: over Lapland, and below 29·7 ins: in a "hollow" stretching southwards over the North Sea.
Gradients moderate. Barometer rising at our western and northwestern stations, falling in the east and southeast.

TEMPERATURE

Highest, 50° at Perpignan, Jersey, and Scilly, 49° at Loriont and Oxford, 48° at Rochefort, London, and Cambridge.
Lowest (1) 29° at Haparanda, 34° at Hernösand; (2) 35° at Munich, 39° at Belfort and Wiesbaden; (3) 36° at Nairn, 37° at Leith.
It rose during yesterday to between 55° and 58° over the greater part of England, but is apparently falling rather decidedly this morning.
A frost occurred over Scotland and the north of Ireland during the night.

WIND

Moderate to fresh from between N. and W. over the northern parts of our Islands, moderate from W. in the south and over the Channel, light and anticyclonic over France.
It blew very strongly from W. on several parts of our northern and northwestern coasts last night or during some part of yesterday.

WEATHER

Changeable and showery over the northern parts of the United Kingdom, fair but unsettled looking in the south, fine over France.
Rain or sleet has fallen over Norway and all the northern and western parts of our Islands, but except at the most northern stations the falls have been small.
Bright Sunshine recorded yesterday was 7·8 hrs at Scilly, 6·2 hrs at Valentia, and more than 3 hrs at Valencia, Aberdeen, York, and in London

SEA

Moderate to rather rough on our northern and western coasts, slight in the English Channel and off our east coasts

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Colder weather is probable generally, with showers in most places today.

FORECASTS

For the 24 hours ending at NOON on 5th APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. and NW. breezes, fresh, but moderating; cold showers, bright intervals.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	W. winds, veering to NW; some showers, colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW. winds, fresh to moderate; colder, passing showers, bright intervals
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.46	41	41	NNW	6	e	4
Sumburgh Head							
Stornoway	29.30	43	42	NNW	5	shq	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.52	47	47	W	5	7	5
Belmullet	29.73	48	45	W	6	0	*
Holyhead							
Valencia							
Scilly							
Jersey	29.99	53	48	W	4	bc	3
Hurst Castle ...							
Dungeness ...	29.85	49	47	WSW	4	c	3
North Foreland	29.87	49	46	S	1	e	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.07	52	50	NNW	4	c	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 27TH MARCH TO THE 2ND APRIL 1898.

At the commencement of this week pressure was highest (30·3 ins: and more to 30·0 ins:) over Finland and the northern half of Scandinavia, and lowest (29·4 ins: to 29·5 ins:) over Spain, France, the Netherlands, and England, so that while very strong NE. winds still held over Ireland and Scotland, those prevailing over the more southern districts were light and variable. On Tuesday the more southern disturbances were disappearing, and a new one had appeared over Scotland, but it was not until Thursday that any decided alteration took place.

After then the barometer rose over the Atlantic (off our western coasts) and an anticyclonic system was formed, which spread eastwards as a "Col" across England to the Netherlands and Germany.

Depressions now began to appear in the far north, and their W. winds brought showery weather to the northern parts of our area. Our southern counties, under the influence of the anticyclonic ridge became dry, but depressions over the Mediterranean and South Germany caused some heavy falls of rain over the south of France and the northern half of Italy.

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 5th April, 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 ...	29.57	28	WSW	2	b	29.57	+ .26	26	24	— 3	2	0	b	#	b	#	34	16	—
	Hernösand ...	29.50	36	2	0	r	29.43	— .12	34	33	0	2	0	s	#	r	#	39	25	0.08
	Stockholm ...	29.59	36	2	0	c	29.44	— .26	35	34	— 2	W	2	f	#	c	#	45	30	0.04
	Wisby	29.64	35	S	4	bc	29.49	— .27	37	37	0	WNW	4	o	#	bc	#	46	32	—
	Karlstad ...	29.49	36	S	2	o	29.49	— .13	34	32	— 1	NW	2	bc	#	r.o	#	#	#	0.12
	Bodö	29.41	37	W	6	c	29.60	+ .45	35	33	— 2	W	6	c	3	c	#	39	32	0.16
	Christiansund ...	29.58	35	W	4	bc	29.80	+ .42	33	31	— 4	N	6	s	5	bc	#	39	28	0.08
	Skudesnaes ...	29.61	39	NNW	9	o	29.89	+ .53	34	33	— 3	NNW	8	c	4	c.o	#	48	32	#
	Færder (Christiania Fjord)	29.43	40	SSW	2	c	29.61	+ .12	37	33	— 3	NW	4	b	3	c	#	41	36	0.04
	Skagen (The Scaw)	29.45	40	W	3	r	29.63	+ .05	39	35	0	N	5	bc	1	r	#	41	30	0.04
	Fanö	29.70	39	W	5	b	29.85	+ .20	38	33	— 4	NW	6	c	#	b	#	43	37	0.04
	Sumburgh Head	29.84	36	NW	4	c	29.94	+ .44	37	34	+ 1	SSW	2	c	4	c	#	39	31	0.01
	Stornoway ...	29.99	40	N	5	o	29.99	+ .27	37	34	+ 1	SW	3	b	3	sp.c.o	4.6	42	32	0.02
	Wick	29.92	38	NE	4	c	30.01	+ .41	40	38	0	NW	3	bc	2	c	#	43	32	0.03
	Nairn	29.99	40	NNE	2	c	30.06	+ .39	37	34	+ 1	WSW	2	b	1	c	#	44	28	0.06
	Aberdeen ...	29.97	38	NW	3	c	30.11	+ .50	39	33	0	W	2	b	2	rsp.c	7.0	42	29	0.03
British Islands.	Leith	29.96	44	N	3	b	30.12	+ .44	38	35	+ 1	N	1	bm	#	b	#	55	28	—
	Shields	29.99	41	N	2	b	30.15	+ .47	37	36	— 4	NW	2	m	2	hp.c.b	#	48	35	—
	Spurn Head ...	29.95	42	N	4	c	30.16	+ .45	40	37	— 3	NW	1	b	4	hpq.c	#	46	36	0.04
	York	29.96	43	NNW	3	c	30.17	+ .45	33	32	— 9	WSW	1	f	#	b,c	8.5	50	28	—
	Loughborough ...	29.98	46	NNW	3	bc	30.20	+ .41	28	28	— 15	SE	1	bf	#	cp.bef	#	50	24	0.01
	Ardrossan ...	29.99	45	WNW	3	b	30.12	+ .40	42	40	0	NE	2	bf	1	b	#	50	30	—
	Malin Head ...	30.04	42	NNW	3	b	30.07	+ .28	39	39	— 2	SSW	4	bc	2	cp.b	#	45	34	0.02
	Belmullet ...	30.10	46	NNW	2	b	30.06	+ .12	41	38	— 1	SSE	3	o	#	b	#	48	32	0.01
	Donaghadee ...	30.03	45	NNW	4	b	30.14	+ .34	40	38	0	W	4	b	2	b	#	51	29	0.01
	Liverpool (Bidston)	30.02	43	W	3	b	30.16	+ .36	41	38	— 2	SSE	1	b	1	r.b	#	46	31	—
	Holyhead ...	30.04	45	N	2	bc	30.15	+ .31	43	41	— 1	S	1	bm	1	b.bc	#	49	35	—
	Parsonstown ...	30.05	49	W	1	b	30.09	+ .16	42	38	— 1	SE	1	b	#	b	11.3	51	28	—
	Valencia ...	30.10	48	NNE	2	b	30.05	+ .05	46	42	— 1	SE	3	o	3	b	10.4	49	32	0.01
	Roche's Point ..	30.07	50	ESE	1	bc	30.12	+ .15	47	44	+ 2	SSW	4	b	3	bc	#	54	9.44	—
	Pembroke (St. Ann's Hd.)	30.06	45	WNW	2	bc	30.16	+ .24	44	41	— 1	SE	3	bm	3	bc	9.3	48	37	—
	Scilly	30.07	49	NW	2	c	30.12	+ .16	47	43	— 3	ESE	3	c	2	c	5.4	52	42	—
	Prawle Point ..	30.04	46	WNW	3	bc	30.07	+ .24	45	41	— 3	NE	3	bc	2	cp.bc	#	54	34	0.01
	Jersey (St. Aubin's)	30.06	51	WNW	4	c	30.16	+ .18	48	44	— 2	ENE	3	bm	3	b.c	#	55	41	—
	Hurst Castle ...	30.01	50	WNW	3	cp	30.18	+ .29	40	38	— 7	NE	1	bm	1	c.cp	#	56	34	—
	Dungeness ...	29.94	49	NW	3	c	30.07	+ .34	42	40	— 4	NNW	2	b	1	c	#	54	30	0.02
	North Foreland	29.96	45	W	3	bc	30.18	+ .35	41	40	— 7	N	3	b	2	c.bc	#	51	37	—
	London (Brixton) ...	29.97	48	WNW	2	bc	30.19	+ .36	39	36	— 9	E	1	bm	#	cp.o.bm	4.1	54	32	0.02
	Oxford	30.06	41	NNW	2	b	30.21	+ .37	35	33	— 14	2	0	bf	#	b	#	52	27	—
	Cambridge ...	29.97	44	N	1	b	30.21	+ .41	35	34	— 13	NNW	1	b	#	b	8.7	54	25	0.01
	Yarmouth ...	29.91	44	NNW	3	b	30.15	+ .41	41	38	— 7	NW	3	b	3	c.b	#	49	33	—
Germany & Holland.	Cuxhaven ...	29.73	41	WNW	2	c	29.92	+ .17	39	39	0	NNW	5	b	#	c.r	#	45	37	0.04
	Berlin	29.78	46	WSW	2	c	29.85	— .02	39	37	— 4	NW	4	o	#	c	#	52	37	—
	Wiesbaden ...	*	*	*	*	*	30.07	+ .12	40	38	+ 1	SW	2	c	#	*	#	54	37	0.04
	Munich... ..	29.99	39	W	4	r	30.02	+ .03	36	35	+ 1	NW	4	o	#	r	#	45	34	0.12
	The Helder ...	29.87	42	NW	2	b	30.09	+ .37	42	39	— 2	NNW	3	b	2	b	#	48	37	—
Belgium.	Brussels ...	*	*	*	*	*	30.17	+ .28	37	37	— 6	2	0	b	#	b	#	52	33	0.16
	Cape Gris Nez...	?	45	WNW	1	o	?	?	41	38	— 5	ENE	3	bc	2	o	#	48	37	—
	Paris	30.04	52	WNW	3	bc	30.14	+ .13	40	39	— 5	N	1	b	#	bc	#	57	37	0.04
	Brest	30.09	51	NW	2	b	30.13	+ .11	43	41	— 7	ENE	2	c	2	b	#	55	41	—
	Lorient... ...	30.09	50	WNW	4	b	30.13	+ .07	45	43	— 4	E	3	o	2	b	#	57	43	—
France &	Rochefort ...	30.19	52	WNW	4	bc	30.15	— .01	47	46	— 1	N	2	o	#	c.bc	#	?61	43	—
	Belfort	30.01	45	WSW	4	o	30.06	+ .05	40	40	+ 1	W	1	f	#	o	#	48	30	0.08
	Lyons	30.11	46	NW	1	o	30.10	+ .04	45	44	+ 2	N	1	o	#	o	#	53	42	—
	Nice	29.76	51	NE	2	b	29.89	+ .12	50	44	+ 3	ENE	2	c	1	b	#	61	45	—
	Perpignan ...	30.04	57	NW	4	b	30.09	+ .01	52	46	+ 2	NNW	2	b	#	b	#	61	47	—
	Biarritz ...	30.17	54	WNW	3	b	30.10	— .02	49	46	+ 1	S	3	o	2	b	#	55	45	—
Peninsula.	Corunna ...																#			
	Lisbon	30.20	51	NNW	5	bc	30.16	— .07	54	48	+ 1	N	4	c	#	bc	#	61	48	—
	Azores (P. Delgada)	30.16	61	SSE	4	o	30.13	+ .07	61	60	0	SSW	4	c	4	o	#	66	61	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 11.9 hrs;

WEATHER CHARTS

FOR Tuesday. 5th April, 1898

BAROMETER, WIND AND SEA.

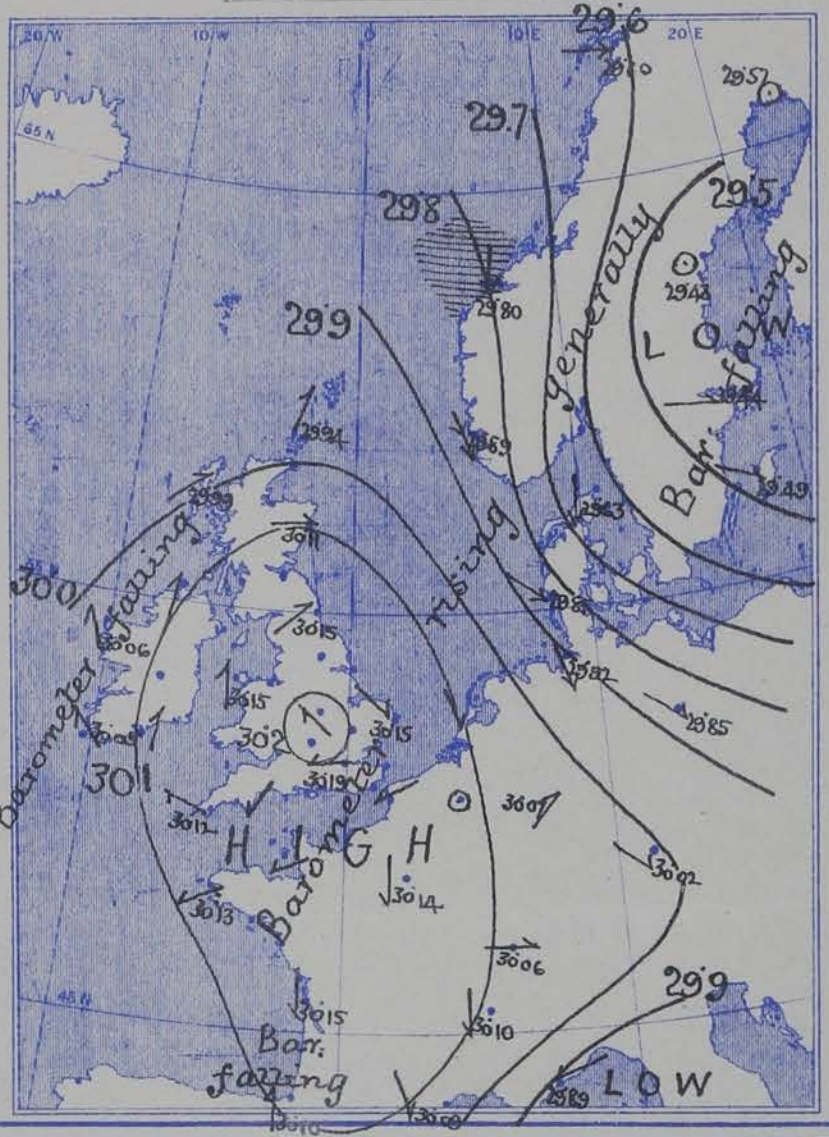
BAROMETER—Isobars are drawn for each tenth of an inch.

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 APRIL.

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone lying over the greater part of our Islands, France and the Netherlands.
Lowest 29.5 ins. and less in a depression moving eastwards across Sweden.
Gradients slight generally, but moderate over Norway and Denmark.
Barometer rising over W.m Europe as a whole, but falling on our own extreme W.m coasts, as well as in the southwest of France and in Sweden.

TEMPERATURE

Highest 52° at Perpignan, 50° at Nice, 49° at Biarritz, 48° at Jersey, and 47° at Roche's Pt. Scilly & Rochefort.
Lowest (1) 26° at Haparanda, and 33° at Christiansund; (2) 28° at Loughborough, and 33° at York; (3) 36° at Munich, and 37° at Brussels.
Sharp frost occurred last night over the N.rn and inland parts of the Kingdom, the lowest readings reported being:- (1) In the Screen 24° at Loughborough, 25° at Cambridge and 27° at Oxford; (2) On the grass 19° at Loughborough, 20° at Oxford, and 22° in London.

WIND

Light from the N.rd or NW.rn over France, Germany and the east and south of England, and strong from the same quarters on the eastern shores of the North Sea, with a gale at Skudesnaes. Calm over the northern parts of Sweden; W.ly in the south of that country.
Light from the NE.rn over the English Channel; SE.ly or S.ly on our western coasts; SW.ly in the north of Scotland.

WEATHER

Fine over western Europe generally, but foggy over central England, and dull in the west of Ireland, as well as in the west of France and at some of the German stations. A solar halo was reported at Jersey.
Snow was falling at Hernösand and Christiansund.
Showers fell yesterday in many parts of W.rn Europe, with hail or snow at some of our own N.rn stations.

SEA

Slight or smooth generally, but rather rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is apparently moving eastwards or southeastwards and a depression is approaching our western coasts. Unsettled weather is probable in Ireland and Scotland, but over the greater part of England no material change is anticipated within the ensuing 24 hours.

FORECASTS

For the 24 hours ending at NOON on 6TH APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.ly and SW.ly winds, freshening; fine at first, some rain later.
1	SCOTLAND EAST	SW.ly to S.ly winds, freshening; fair generally, warmer.
2	ENGLAND N.E.	SW.ly winds, light; fine generally, warmer.
3	ENGLAND EAST	Light variable airs; fine generally, frosty at night, with local fogs.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	S.ly and SE.ly winds, freshening; fair generally.
8	ENGLAND S.W.	
9	IRELAND NORTH	S.ly and SE.ly winds, increasing in force; dull, 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 ...	29.38	44	44	W	6	c	4
Sumburgh Head	29.72	38	34	N	4	c	4
Stornoway	29.91	41	37	NNE	5	c	5
Aberdeen	29.84	38	36	NNW	5	bcgrsy	4
Shields	29.81	47	42	WNW	3	c	2
Ardrossan	29.90	49	42	WNW	4	b	3
Malin Head ...	29.97	45	43	NNW	4	c	3
Belmullet	30.05	46	42	NE	2	b	*
Holyhead	29.97	47	43	NW	4	b	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.08	49	42	NW	2	b	4
Scilly	30.05	50	46	NW	3	c	2
Jersey	30.04	54	50	WNW	4	b	3
Hurst Castle ...	29.96	54	47	WNW	4	c	2
Dungeness ...	29.88	50	46	WSW	4	c	3
North Foreland	29.91	48	45	W	3	c	2
London (Westminster)	29.90	52	43	WNW	3	c	*
Yarmouth ...	29.81	48	45	NNW	2	c	3
Rochefort ...	30.09	58	53	NW	4	c	*

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

Weather in morning fair over the United Kingdom as a whole, but showery on some parts of our extreme N. and NW. coasts. Fine in Sweden and also over the Spanish Peninsula and the W. of France; cloudy or overcast in most other parts of the Continent, with rain over Austria, and also at St. Petersburg and snow at Riga. Showers falling later in many parts of Wn. Europe, with hail or snow at some of the more Nn. stations.

Temperature fallen in most parts of our Islands and also in Norway and Austria, risen in most other countries. Morning readings, highest 65° at Constantinople, 56° at Malta, 55° at Algiers, and 54° at Barcelona, above 50° in most parts of Sn. Europe. Lowest 29° at Haparanda, 30° at Hango and Helsingfors, and 33° at Riga, below 40° over Nn. and central Europe generally, and also in the NEn. parts of Gt. Britain. Rising during day to between 50° and 55° at most of our own central and Sn. stations, but remaining below 45° in the N. of Scotland. Exceeding 55° in the W. and S. of France, and touching 61° at Nice and Perpignan. Sharp frost occurring over central England at night.

Wind moderate to strong from the NWn. over the western and northern parts of our Islands, and light from the same quarter in the west and south of France and in Italy. Light to moderate from the Wn. or SWn. over the greater part of England and also over the Netherlands, Germany and Denmark; Sy. over the southern parts of Scandinavia, with a gale at Skudesnaes. Ey. in the south of Russia, variable or SWy. in the northern parts of that country. Subsequently veering to the NWn. over England and the North Sea; no important change occurring elsewhere.

Barometer highest 30.2 ins. and upwards in an anticyclone extending from the Atlantic over the Wn. parts of the Spanish peninsula; 30.0 ins. and upwards in another area lying over central Russia. Lowest 29.2 ins. and less in a depression lying off the NW. of Norway; 29.4 ins. and less in a secondary system over the SW. of that country, and also in another disturbance over SEn. Europe. Depressions off the Norwegian coast subsequently moving Ewds.; barometer rising over Wn. Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 6th April, 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 ...	29.27	33	NE	2	o	29.12	−.45	30	28	+ 4	N	4	s	*	o	*	41	18	—
	Hernösand ...	29.41	34	N	4	s	29.38	−.05	30	26	− 4	NW	4	b	*	s	*	36	30	0.16
	Stockholm ...	29.43	36	NW	4	o	29.58	+.14	32	28	− 3	W	6	b	*	o	*	41	32	—
	Wisby	29.50	36	NNW	8	c	29.72	+.23	35	32	− 2	NW	6	b	*	c	*	39	32	—
	Karlstad ...	29.69	35	NW	4	b	29.73	+.24	36	32	+ 2	W	4	bc	*	b	*	*	*	—
	Bodö	29.63	31	N	4	bc	29.42	−.18	30	27	− 5	ENE	2	bc	1	bc	*	39	25	—
	Christiansund ...	29.61	35	N	3	c	29.52	−.28	32	30	− 1	S	9	o	6	c	*	36	?	0.08
	Skudesnaes ...	29.95	39	WSW	6	o	29.89	.00	40	39	+ 6	SW	6	m	4	c,o	*	40	32	*
	Færder (Christiania Fjord)	29.79	38	NW	4	b	29.69	+.08	38	36	+ 1	WSW	2	c	3	b	*	41	36	—
	Skagen (The Scaw)	29.86	38	NNW	5	b	29.79	+.16	41	39	+ 2	W	5	o	1	b	*	45	34	—
	Fanö	30.05	37	NW	5	b	30.00	+.15	40	36	+ 2	W	5	c	*	b	*	43	36	—
British Islands.	Sumburgh Head	29.83	38	W	2	r	29.58	−.36	40	38	+ 3	NW	3	o	4	r	*	43	30	0.43
	Stornoway ...	29.89	44	SW	4	bc	29.65	−.34	47	46	+ 10	WNW	4	o	4	c,bc	10.0	47	34	0.05
	Wick	29.90	45	NW	3	bc	?29.62	−.39	47	46	+ 7	NW	4	op	3	bc	*	48	36	0.03
	Nairn	29.95	46	W	1	c	29.70	−.36	48	45	+ 11	SW	3	c	1	c	*	49	34	—
	Aberdeen ...	29.98	46	WSW	2	bc	29.74	−.37	47	43	+ 8	SW	3	c	2	bc	9.1	49	37	—
	Leith	30.01	47	W	2	bc	29.83	−.29	45	43	+ 7	SW	4	o	*	bc	*	52	34	—
	Shields	30.08	46	W	0	c	29.92	−.23	45	43	+ 8	SW	3	cm	2	c	*	50	34	—
	Spurn Head ...	30.11	43	SSE	4	bc	30.04	−.12	44	39	+ 4	SW	4	b	4	bc	*	47	35	—
	York	30.11	46	W	1	cm	30.03	−.14	38	36	+ 5	SSW	1	b	*	cm	2.7	50	31	—
	Loughborough ...	30.14	49	SW	1	b	30.09	−.11	41	37	+ 13	SSW	3	bc	*	bc,b,bc	*	54	28	—
	Ardrossan ...	30.01	46	SSW	4	bc	29.84	−.25	47	46	+ 5	S	5	cp	4	b,bc	*	48	39	0.01
	Malin Head ...	29.92	51	S	3	bm	29.78	−.29	48	48	+ 9	S	4	og	2	bc,bm	*	52	38	—
	Belmullet ...	29.93	48	SSW	3	c	29.82	−.24	50	50	+ 9	SSE	3	o	*	b,c	*	53	39	0.02
	Donaghadee ...	30.04	47	SW	4	bc	29.89	−.25	47	47	+ 7	SSW	5	o	3	bc	*	52	37	—
	Liverpool (Bidston)	30.12	46	W	0	o	30.01	−.15	46	41	+ 5	SSE	1	o	1	b	*	50	37	—
	Holyhead ...	30.11	46	SW	2	b	29.97	−.18	46	45	+ 3	SSW	5	dm	4	bc,b	*	50	41	0.01
	Parsonstown ...	30.00	49	SE	1	c	?29.91	−.18	54	52	+ 12	SE	1	o	*	c	7.0	55	41	—
	Valencia ...	29.95	51	SSE	4	c	29.92	−.13	52	51	+ 6	S	3	rm	3	omp,c	0.0	52	45	0.10
	Roche's Point ..	30.03	48	S	5	r	29.98	−.14	50	50	+ 3	SSW	3	f	3	rm	*	52	47	0.12
	Pembroke (St. Ann's Hd.)	30.12	45	S	3	b	30.03	−.13	48	43	+ 4	SW	5	ogm	4	b	11.3	48	43	0.02
	Scilly	30.10	49	SSE	5	c	30.08	−.04	51	50	+ 4	SSW	4	om	3	bc,c	6.9	53	47	—
	Prawle Point ...	30.18	44	ESE	3	b	30.16	−.01	47	45	+ 2	SSW	2	c	2	b	*	52	42	—
	Jersey (St. Aubin's)	30.16	51	ENE	4	bm	30.20	+.04	50	48	+ 2	SE	3	bm	3	bc,bm	*	56	35	—
	Hurst Castle ...	30.19	46	SE	2	bc	30.17	−.01	42	40	+ 2	NNE	1	bm	1	bc	*	51	31	—
	Dungeness ...	30.20	43	ENE	4	bc	30.18	+.01	45	42	+ 3	SW	4	b	3	b,bc	*	49	40	—
	North Foreland	30.23	41	E	3	b	30.20	+.02	45	43	+ 4	S	2	b	2	b	*	45	37	—
	London (Brixton) ...	30.18	48	SW	2	c	30.16	−.03	47	41	+ 8	SSW	2	b	*	c,b	2.0	54	30	—
	Oxford	30.18	43	S	2	b	30.15	−.06	42	40	+ 7	SSW	2	bc	*	b	*	54	32	—
	Cambridge ...	30.17	48	SSW	1	b	30.15	−.06	42	40	+ 7	SSW	3	b	*	b	10.4	55	27	—
	Yarmouth ...	30.17	43	SSE	3	b	30.13	−.02	44	40	+ 3	WSW	4	b	3	b	*	46	33	—
Germany & Holland.	Cuxhaven ...	30.05	40	NW	5	c	30.13	+.21	36	36	− 3	W	2	c	*	hsp,c	*	41	36	—
	Berlin	30.01	37	W	4	bc	30.23	+.38	37	34	− 2	WNW	3	b	*	bc	*	45	32	0.04
	Wiesbaden ...	*	*	*	*	*	30.24	+.17	35	34	− 5	NW	2	b	*	*	*	50	30	—
	Munich... ..	30.21	36	L	0	c	30.27	+.25	34	33	− 2	E	4	b	*	c	*	41	27	0.04
	The Helder ...	30.19	41	NW	1	b	30.16	+.07	43	39	+ 1	SW	4	b	2	b	*	45	39	—
Belgium.	Brussels ...	*	*	*	*	*	30.26	+.09	43	37	+ 6	S	1	b	*	bc	*	49	32	—
	Cape Gris Nez...	?	43	E	2	bc	?	?	41	35	0	S	2	bc	2	bc	*	50	34	—
	Paris	30.18	48	NE	2	bc	30.25	+.11	36	33	− 4	NE	1	b	*	bc	*	57	30	—
	Brest	30.15	50	W	1	bc	30.16	+.03	50	48	+ 7	S	1	c	2	bc	*	55	41	—
	Lorient... ...	30.15	50	W	2	c	30.20	+.07	44	43	− 1	E	1	b	1	c	*	57	43	—
France &	Rochefort ...	30.15	51	NW	3	o	30.21	+.06	48	46	+ 1	N	2	c	*	c,o	*	61	46	—
	Belfort	30.12	42	NE	3	c	30.19	+.13	35	32	− 5	ENE	3	bc	*	c	*	50	29	—
	Lyons	30.07	49	N	1	?	30.17	+.07	38	36	− 7	N	1	bc	*	?	*	56	37	—
	Nice	29.93	53	L	0	c	30.05	+.16	47	43	− 3	NE	4	b	2	c	*	63	45	—
	Perpignan ...	30.05	58	NW	2	o	30.13	+.04	52	47	o	W	2	o	*	o	*	63	49	—
	Biarritz ...	30.10	54	NW	3	o	30.16	+.06	50	48	+ 1	L	o	o	2	o	*	61	46	—
Peninsula.	Corunna ...																*			
	Lisbon	30.12	53	NNW	5	b	30.13	−.03	55	48	+ 1	NNE	4	b	*	b	*	61	48	—
	Azores (P. Delgada)	30.06	61	SSW	4	o	29.91	−.22	58	58	− 3	WSW	3	o	4	o	*	64	57	0.08

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

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

Bright Sunshine yesterday Southport 10·4 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 6TH APRIL, 1898

BAROMETER, WIND AND SEA.

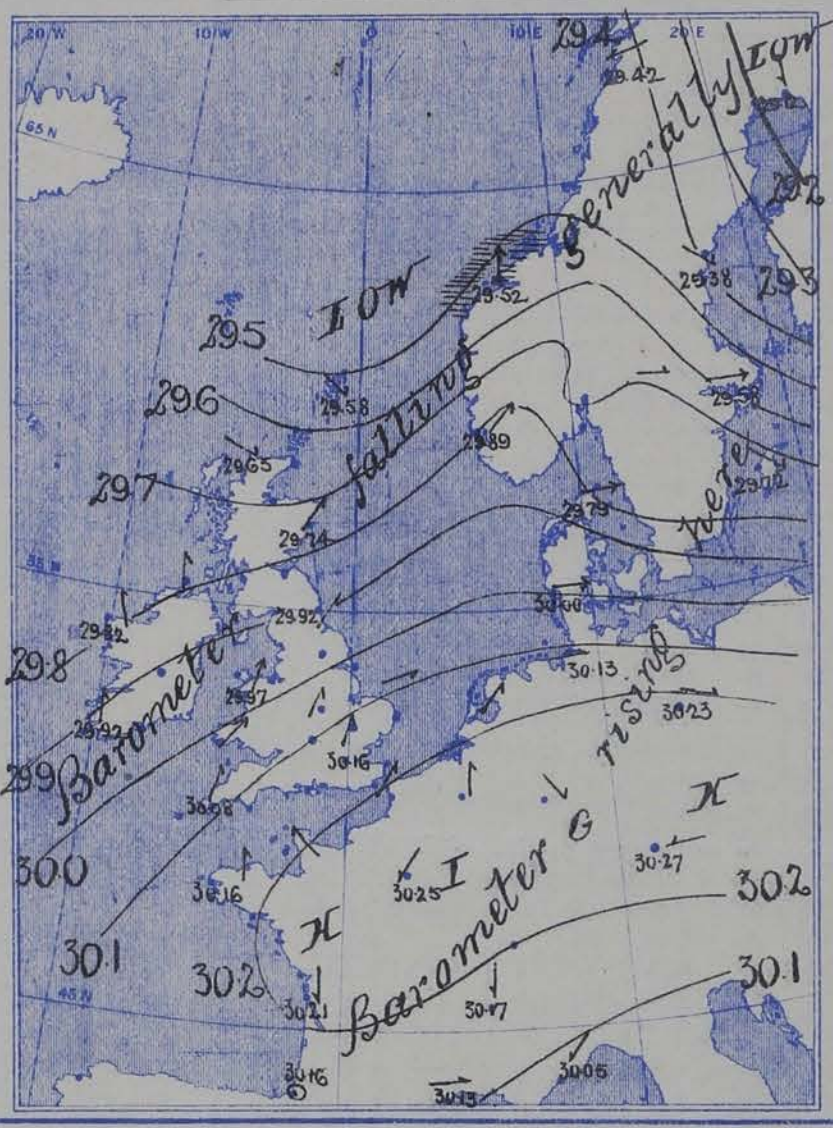
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

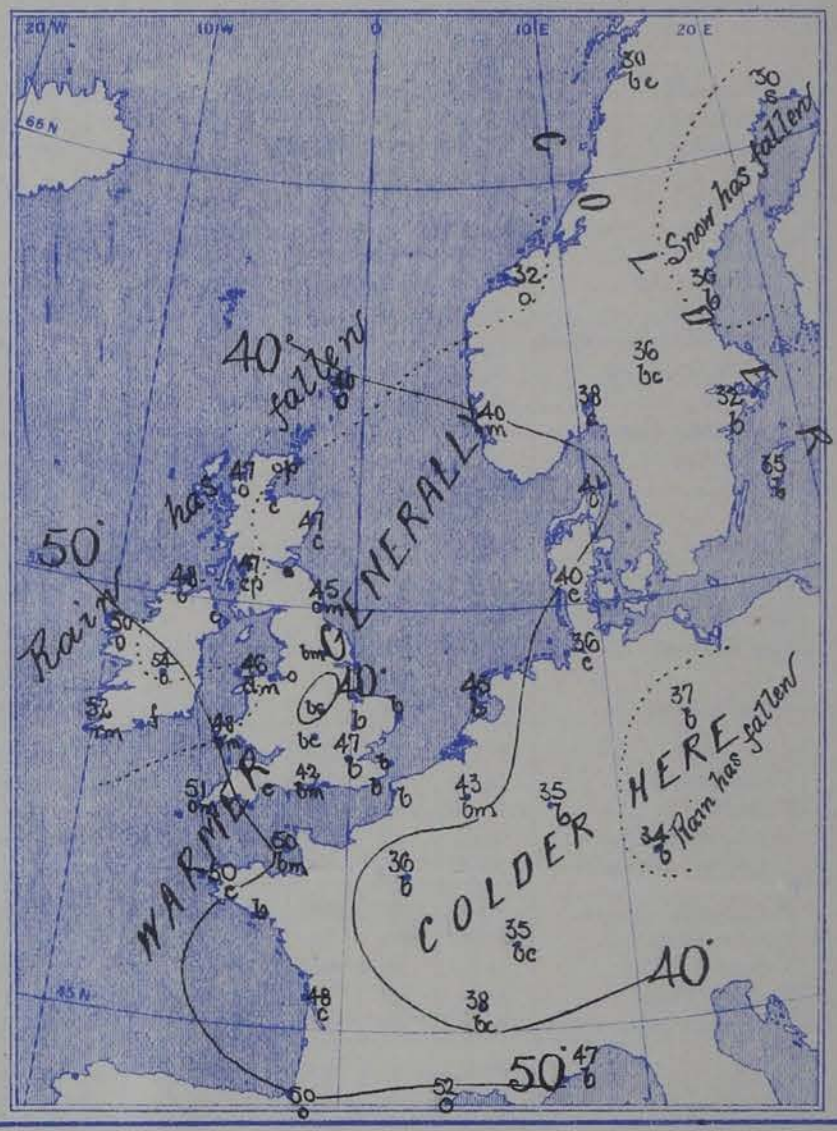


TEMPERATURE & WEATHER.

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 APRIL.

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards in an anticyclone over Belgium, Germany and the N. part of France.
Lowest 29.2 ins. and less in a depression over Lapland; 29.5 ins. and less in another disturbance approaching the west of Norway.
Gradients moderate or slight generally, but rather steep over the N.W. parts of the North Sea.
Barometer rising over France, Germany and the S. of Sweden, but falling elsewhere.

TEMPERATURE

Highest 55° at Lisbon, 54° at Parsonstown, 52° at Valencia (Ireland) and Perpignan, and 51° at Scilly.
Lowest (1) 30° at Haparanda, Hernösand and Bodö; (2) 34° at Munich, and 35° at Belfort and Wiesbaden; (3) 38° at York, and 41° at Loughborough.
Frost again occurred last night over the inland parts of England, the lowest readings reported being:—(1) In the screen 27° at Cambridge, 30° in London, and 31° at York and Hurst Castle; (2) on the grass 21° in London and 22° at Oxford.

WIND

S. or SW. over the greater part of our Islands, and fresh in force at some of the western stations; NW. in the extreme north of Scotland.
Fresh to strong from the W.ward over Denmark and the south of Scandinavia; a S. gale was reported at Christiansund but moderate N. or NW. breezes over the northern parts of Sweden.
Light from the N.ward or NE.ward over the greater part of France.

WEATHER

Fine over England, France, the Netherlands, Germany and the greater part of Sweden.
Cloudy or dull in Ireland, Scotland and Norway with showers at a few stations. Snow was falling at Haparanda.
Since yesterday morning rain has fallen at many of our W. and extreme N. stations, but the amounts have been mostly slight. Solar halos were seen yesterday over the south of England, and lunar halos at Wick and Dungeness.

SEA

Moderate to slight generally, but rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems which are now appearing in the W. and N. seem likely to occasion a gradual extension of cloudy showery weather over nearly the entire Kingdom, with some increase of wind in the W. and N.

FORECASTS

For the 24 hours ending at NOON on 7TH APRIL 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	W. to SW. winds, freshening; changeable, some rain.	6 SCOTLAND WEST	
1 SCOTLAND EAST	SW. to S. winds, freshening; cloudy, showery.	7 ENGLAND N.W.	S. to SW. winds, strong in places; cloudy, unsettled, some rain.
2 ENGLAND N.E.	Same as No. 5.	8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	S. and SW. winds, light or moderate, fine at first, cloudy later, probably some showers.	WARNINGS	At 7.15 pm yesterday to districts 6, 10 and parts of 1 and 9. Hoist South Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.99	40	40	NNW	8	c	4
Sumburgh Head	29.83	39	38	WSW	3	r	4
Stornoway	29.94	47	41	W	4	c	4
Aberdeen	30.02	45	39	S	3	bc	2
Shields	30.10	48	43	SW	2	c	2
Ardrossan	30.07	48	46	SSW	4	b	3
Malin Head ...	29.99	51	48	S	4	bc	2
Belmullet	29.98	50	45	SSW	2	b	*
Holyhead	30.14	50	44	SW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.99	51	48	SSE	5	omp	5
Scilly	30.13	52	48	SSE	4	bc	3
Jersey	30.17	55	47	E	3	bc	3
Hurst Castle ...	30.19	50	46	SSE	3	bc	2
Dungeness ...	30.20	47	43	NE	4	b	3
North Foreland	30.24	45	42	NE	2	b	2
London (Westminster)	30.18	50	41	SE	2	c	*
Yarmouth ...	30.19	46	41	ENE	3	b	3
Rochefort ...	30.16	51	53	NNW	3	c	*

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

Weather in morning fine over W^m. and S^th. Europe generally, but foggy over central England, and dull in the W^th. parts of Ireland and France. Cloudy or dull in most of the N^th. E^rn. and central countries, with rain at Riga and Hermanstadt, and snow at Hernösand and Christiansund. Cloudy, showery weather setting in later over Ireland and the W. and N. of Scotland. Solar and lunar halos seen in several parts of our Islands.

Temperature fallen several degrees over England and to a less extent over Scandinavia, but changed irregularly elsewhere. Morning readings highest 63° at Algiers, 57° at Constantinople, and 55° at Barcelona and Malta; above 50° at the Mediterranean, Adriatic and Spanish coast stations generally. Lowest (1) 26° at Hapsaranda, and 33° at Christiansund and Memel; (2) 28° at Loughborough, and 33° at York, (below 40° in many parts of Gt. Britain). Rising during day to between 50° and 55° in most parts of England and Ireland, exceeding 55° over the N^th. parts of France, and exceeding 60° in the S. of that country. Sharp frost occurring over the inland parts of England at night.

Wind moderate to strong from the NW^nd. over Norway, Denmark, Germany, Austria and Italy, and light from the same quarter in the east of England; Light to moderate from the SE^rn. in Russia. N^th. over France and the Spanish peninsula; NE^ly over the English Channel, SE^ly or S^th. on our western coasts, SW^ly in the north of Scotland. Subsequently backing to the SW^rn. in the west of Norway. No important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in an anticyclone covering the greater part of our Islands and France, Spain and Algeria. Lowest 29.3 ins. and less in a depression over E^rn. Austria, 29.4 ins. and less in another disturbance over the S^th. parts of the Gulf of Bothnia, 29.9 ins. and less in a third system over the Gulf of Genoa. Barometer falling slightly over NW^rn. Europe during day, and depression beginning to approach our W^rn. coasts.

Daily Weather Report — Easter Holiday Arrangements.

In consequence of the operation of the Factory Act — the following arrangements have become necessary;—

The Reports for

Sunday and Monday will be issued by post — early on Tuesday.
Tuesday " " " " " as usual, on Tuesday.
Good Friday and Saturday " " " " " early on Wednesday.
Wednesday " " " " " as usual, on Wednesday.

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, 7th April, 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 ...	29.05	29	NNW	4	S	29.32	+.20	29	28	- 1	N	6	S	*	S	*	36	27	0.12
	Hernösand ...	29.38	29	NW	4	b	29.69	+.31	31	26	+ 1	NW	6	b	*	b	*	37	25	-
	Stockholm ...	29.20	36	S	8	S	29.71	+.13	27	24	- 5	NW	6	c	*	S	*	39	27	0.16
	Wisby	29.44	38	SW	10	r	29.75	+.03	33	29	- 2	NNW	10	b	*	r	*	43	32	0.04
	Karlstad ...	29.52	39	NNW	2	b	?	?	28	27	- 8	?	2	b	*	S.b	*	*	*	0.08
	Bodö	29.49	31	NE	4	bc	29.64	+.22	31	29	+ 1	NW	6	?b	3	bc	*	39	27	0.04
	Christiansund ...	29.61	35	SE	8	S	29.93	+.41	34	32	+ 2	N	3	S	4	S	*	36	30	0.04
	Skudesnaes ...	29.83	35	NNW	4	bc	29.94	+.05	36	34	- 4	E	2	0	2	0.bc	*	40	32	*
	Færder (Christiania Fjord)	29.60	36	NNW	5	b	29.97	+.28	36	29	- 2	NNW	2	b	4	b	*	46	30	0.04
	Skagen (The Scaw)	29.67	39	NNW	1	b	29.91	+.12	38	34	- 3	N	1	bc	0	b	*	45	34	-
	Fanö	29.86	42	WSW	6	0	29.92	-.08	41	41	+ 1	WSW	1	0	*	0	*	45	39	0.04
	Sumburgh Head	29.81	36	NE	3	0	29.81	+.23	39	39	- 1	ESE	3	r	5	sp.0	*	41	33	0.07
	Stornoway ...	29.65	44	ESE	3	m	29.78	+.13	47	47	0	WSW	3	0	3	r,m	0.0	48	39	0.40
	Wick	29.73	44	NW	2	r	29.81	+.19	47	46	0	S	2	0	2	r	*	47	36	0.05
	Nairn	29.73	42	E	3	r	29.84	+.14	49	47	+ 1	SW	3	0	1	r	*	54	37	0.08
	Aberdeen ...	29.77	43	NE	2	0qr	29.88	+.14	45	45	- 2	W	1	0qm	1	0q.r	0.1	56	39	0.05
	Leith	29.77	54	W	3	0	29.92	+.09	50	50	+ 5	W	1	r	*	0	*	56	43	0.02
	Shields	29.88	52	SSW	2	0	29.96	+.04	52	51	+ 7	WSW	3	0p	2	0	*	54	43	0.01
	Spurn Head ...	29.97	52	WSW	5	c	30.03	-.01	53	50	+ 9	WSW	4	c	3	c	*	56	44	-
	York	29.96	53	SSW	2	0	30.02	-.01	55	52	+ 17	SSW	3	0	*	c.0	1.4	55	37	-
	Loughborough ...	30.05	55	WSW	4	c	30.10	+.01	53	51	+ 12	SW	3	c	*	c.bc.c	*	58	41	-
British Islands.	Ardrossan ...	29.81	49	S	3	0	29.91	+.07	49	48	+ 2	S	0	rm	2	0	*	49	46	0.10
	Malin Head ...	29.78	51	WSW	5	omr	29.85	+.07	51	51	+ 3	S	2	r	1	0.rm	*	53	48	0.22
	Belmullet ...	29.88	52	WSW	4	om	29.88	+.06	51	50	+ 1	SW	6	0	*	0r.m	*	53	48	0.60
	Donaghadee ...	29.89	55	SW	4	c	29.94	+.05	53	53	+ 6	WSW	3	0	1	c	*	58	46	0.07
	Liverpool (Bidston)	29.98	53	SW	5	0	30.03	+.02	52	49	+ 6	SW	5	0	4	c.0	*	59	46	-
	Holyhead ...	29.99	48	SW	4	f	30.06	+.09	48	48	+ 2	SW	4	fa	3	f	*	49	45	0.03
	Parsonstown ...	29.91	59	W	1	0	29.99	+.08	54	52	0	SE	1	0	*	c.0	2.4	62	53	-
	Valencia ...	29.95	53	S	2	om	30.00	+.08	53	52	+ 1	SSE	4	om	4	oma.om	0.0	54	45	0.03
	Roche's Point ..	30.01	50	SSW	3	f	30.07	+.09	50	49	0	SW	4	cm	4	f.m	*	52	48	0.10
	Pembroke (St. Ann's Hd.)	30.05	49	SW	5	f	30.12	+.09	48	48	0	SW	5	0q	5	0f	0.0	49	47	0.03
	Scilly	30.00	52	SSW	4	f	30.16	+.08	53	51	+ 2	SW	5	c	4	om.f	0.1	56	49	0.01
	Prawle Point ...	30.18	48	SSW	3	c	30.23	+.07	49	48	+ 2	SSW	4	fa	3	c.fa	*	52	45	0.01
	Jersey (St. Aubin's)	30.22	53	SSE	1	b	30.29	+.09	50	47	0	SSE	3	bm	3	b	*	59	42	-
	Hurst Castle ...	30.17	48	SW	3	om	30.23	+.06	48	48	+ 6	WSW	3	f	3	cm.0	*	53	41	-
	Dungeness ...	30.16	46	S	4	bc	30.21	+.03	47	46	+ 2	WSW	4	c	3	bc	*	52	44	-
	North Foreland	30.16	51	SW	4	bc	30.23	+.03	50	50	+ 5	SW	3	c	1	bc	*	56	43	-
	London (Brixton) ...	30.13	55	SW	2	bc	30.21	+.05	51	49	+ 4	SW	3	0	*	c.b	7.8	62	45	-
	Oxford	30.11	52	SW	3	0	30.18	+.03	52	50	+ 10	SW	3	0	*	bc.0	*	59	42	-
	Cambridge ...	30.09	57	SW	2	0	30.16	+.01	53	52	+ 11	SW	3	0	*	bc.0	8.4	61	40	-
	Yarmouth ...	30.03	56	WSW	4	c	30.11	-.02	54	52	+ 10	WSW	4	bc	3	bc	*	57	41	-
Germany & Holland.	Cuxhaven ...	30.00	45	WSW	4	c	29.98	-.15	45	45	+ 9	W	4	r	*	c	*	46	36	0.04
	Berlin	30.10	46	WSW	3	0	30.07	-.16	43	42	+ 6	W	2	r	*	0	*	48	37	-
	Wiesbaden ...	*	*	*	*	*	30.32	+.08	37	35	+ 2	SW	2	bc	*	*	*	52	32	-
	Munich	30.25	39	NE	2	b	30.36	+.09	39	37	+ 5	SW	2	b	*	b	*	48	32	-
	The Helder ...	30.05	46	SW	4	0	30.09	-.07	47	44	+ 4	WSW	3	c	2	0	*	48	43	-
Belgium.	Brussels ...	*	*	*	*	*	30.28	+.02	49	44	+ 6	SW	3	b	*	b	*	49	40	-
	Cape Gris Nez ...																*			
	Paris	30.24	54	S	1	b	30.34	+.09	42	36	+ 6	SSE	2	b	*	b	*	60	34	-
	Brest	30.21	52	S	3	b	30.24	+.08	50	48	0	S	3	b	2	b	*	54	46	-
	Lorient	30.26	54	SW	1	b	30.28	+.08	45	45	+ 1	SSW	1	m	1	b	*	59	43	-
France &	Rochefort ...	30.27	52	NW	3	b	30.31	+.10	45	43	- 3	E	2	b	*	b	*	61	41	-
	Belfort	30.20	49	NE	1	b	30.36	+.17	40	36	+ 5	N	0	b	*	b	*	54	32	-
	Lyons	30.22	51	NNE	1	b	30.36	+.19	?	?	?	N	1	b	*	b	*	56	38	-
	Nice	30.12	54	SW	1	bc	30.27	+.22	49	44	+ 2	E	2	b	1	bc	*	59	45	-
	Perpignan ...	30.20	57	NW	3	b	30.31	+.18	47	43	- 5	N	0	b	*	b	*	63	41	-
	Biarritz ...	30.20	55	N	4	b	30.16	-.00	44	43	- 6	ESE	3	b	2	b	*	59	43	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.08	62	NNE	3	b	30.10	-.03	57	52	+ 2	NE	4	b	*	b	*	70	52	-
	Azores (P. Delgada)	29.86	54	NNW	3	b	29.93	+.02	57	52	- 1	NNW	3	c	3	b	*	64	52	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 1.0 hrs;

WEATHER CHARTS

FOR Thursday, 7th April, 1898

BAROMETER, WIND AND SEA.

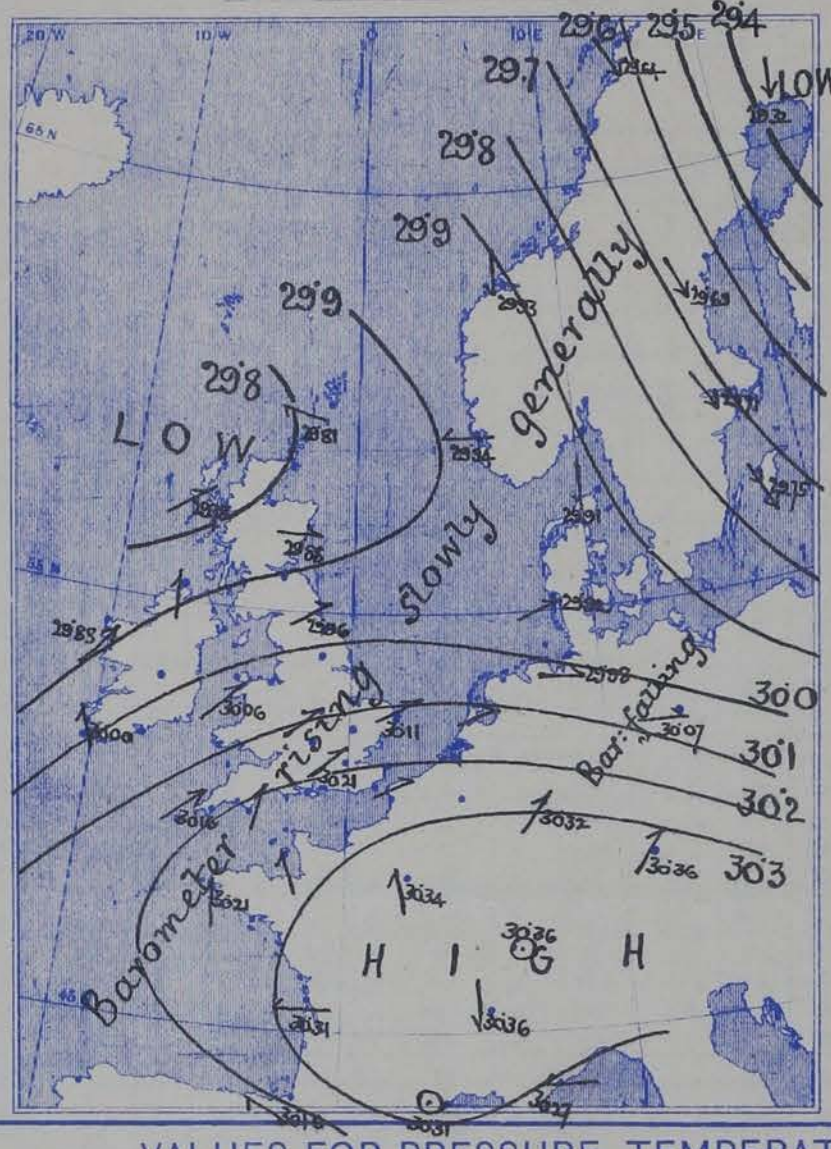
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▨

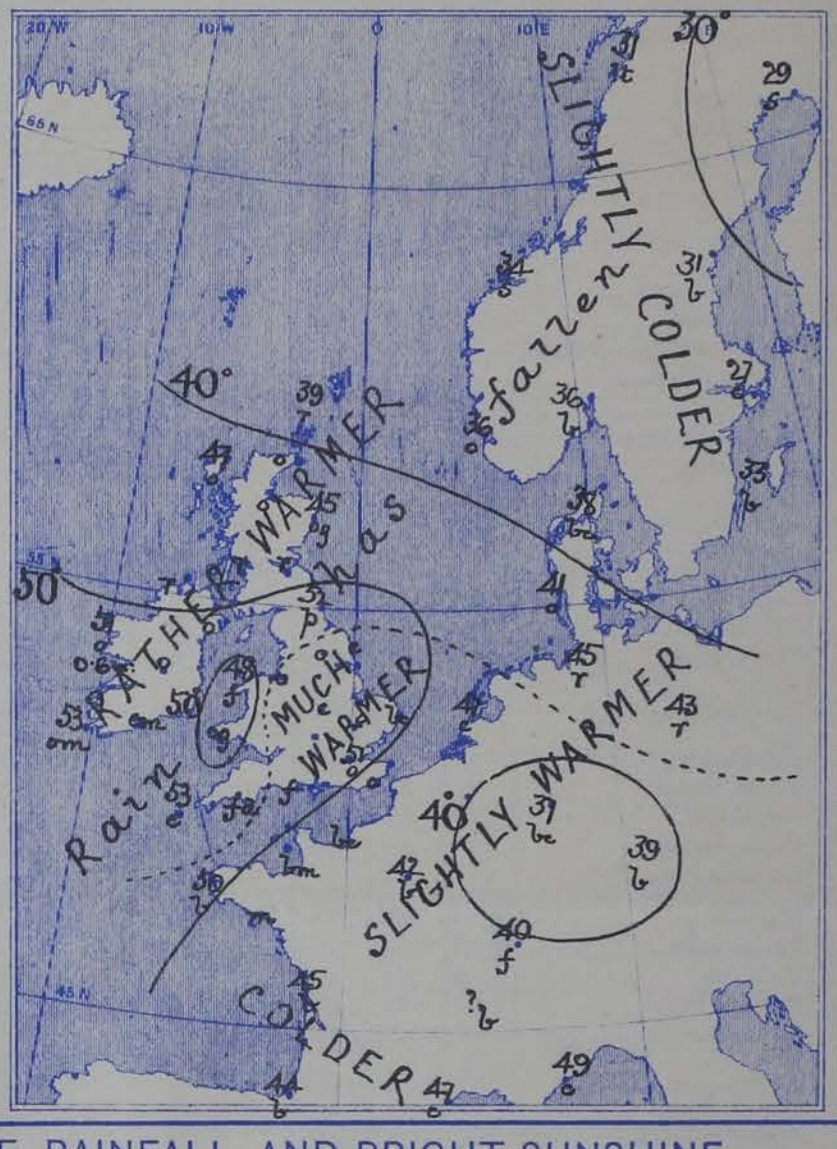


TEMPERATURE & WEATHER.

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 APRIL.

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and upwards, in an anticyclone lying over France and the southern parts of Germany.
Lowest, 29·4 ins: and less, in a depression over Lapland; 29·8 ins: and less, in a shallow area off the northwest of Scotland.
Gradients moderate or slight generally.
Barometer rising in nearly all parts of our area, but falling a little over North Germany.

TEMPERATURE

Highest, 55° at York, 54° at Yarmouth and Parsonstown, and 53° at Spurn Hd: Loughrough, Donaghadee, Valencia (Ireland), Scilly, and Cambridge.
Lowest, 21° at Stockholm, 28° at Karlstad, 29° at Haparanda, and 31° at Bodö and Hernösand; lowest in our Islands 39° at Lerwick Hd and 45° at Aberdeen.
During yesterday the thermometer rose to 55° and upwards in most parts of the United Kingdom, to 61° at Cambridge, and to 62° in London and at Parsonstown.

WIND

SW^ly over our Islands, the Netherlands, and Germany, and fresh in force at several of our western stations.
Light from the E^ward or SE^ward over the greater part of France.
Strong from the NW^ward in Sweden, with a "whole gale" at Wisby.

WEATHER

Cloudy or dull in most parts of the United Kingdom, with fog at Holyhead, Prawle Pt, and Hurst Castle, and rain at several of our northern stations.
Fine over the western parts of the Continent generally, but rainy over North Germany; snow is falling at Haparanda.
Rain fell yesterday at most of our northern and western stations, the amount being slight as a rule, but rather large at Stornoway and Belmullet; a solar halo was seen at Oxford, and lunar halo in London and at Liverpool.

SEA

Rather rough at Lerwick Head and Pembroke, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday morning off the west of Norway has travelled away to the eastward, while a secondary system which appeared later over the northwest of Scotland has apparently moved away over the Atlantic. The anticyclone over France is now inclined to spread northwards, and, after a few local showers, the weather over England seems likely to become fair and dry again.

FORECASTS

For the 24 hours ending at NOON on 8th APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly to S^ly winds, light or moderate; changeable, some rain.
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; cloudy at first, with local showers, then fair.
6	SCOTLAND WEST	SW^ly to S^ly winds, moderate or fresh, cloudy, local showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The Signals have all 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 ...	29.62	39	39	nnw	6	o	4
Sumburgh Head	29.73	36	34	ne	4	o sp	5
Stornoway	29.70	41	41	e	4	r	4
Aberdeen	29.74	50	48	w	2	o g	2
Shields	29.89	51	48	w	2	o g	2
Ardrossan	29.82	49	49	s	4	o	4
Malin Head ...	29.76	54	54	s	4	o	2
Belmullet	29.83	53	52	wsw	5	r	*
Holyhead	29.99	49	48	sw	4	f	3
Valencia ...	29.95	53	53	sse	3	o dm	3
Scilly	30.10	55	53	s	4	o m	4
Jersey	30.23	58	50	se	3	b	3
Hurst Castle ...	30.17	52	49	sw	3	c m	2
Dungeness ...	30.17	51	46	ssw	4	b c	3
North Foreland	30 15	56	51	ssw	4	b	3
London (Westminster)	30.11	61	51	w	3	c	*
Yarmouth ...	30.07	57	48	wsw	4	b c	3
Rochefort ...	30.25	60	54	n	2	b	*

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

Weather in morning fine over England, France, the Netherlands, Germany, Spain, Austria and southern Italy, as well as at most of the Swedish stations. Cloudy or dull in the west and north of our Islands, with showers in a few places; dull also over northern Italy, with rain at Pesaro and also at Barcelona; snow falling over Lapland, Finland, and the Baltic Provinces. Rain falling later at most of our own western and northern stations, and snow in Norway.

Temperature risen in our Islands, and also in Italy, but fallen in most other countries. Morning readings highest 60° at Algiers, 56° at Nemours, Brindisi, and Athens; above 50° at the Mediterranean, Adriatic and Spanish coast stations generally, as well as in the extreme southwest of our Islands. Lowest (1) 30° at Haparanda, Haparanda, and Bodö, and 31° at Hangö; (2) 34° at Breslau, Warsaw, and Munich. Rising during day to 55° and upwards in most parts of our Islands and France, reaching 62° in London and at Yarmouth, 63° at Perpignan and 70° at Lisbon.

Wind S[3] or SW[3] over the greater part of our Islands, and fresh in force at some of our western stations. Strong to a gale from the same quarters in the west of Norway, but NW[3] in the extreme north of Scotland. W[3] or NW[3] over Sweden, Denmark, Germany and Austria, with a gale at some of the Baltic stations; S[3] or SE[3] over the central parts of Russia. Light from between E. and N. over France, Spain, and northern Italy, but SW[3] in southern Italy. Subsequently veering to the NE[2] in the north of Scotland, and to the NW[ly] in the west of Norway.

Barometer highest 30·2 in: and upwards over Germany, Belgium, and the north of France, and also over Central Spain; 30·1 in: and upwards in an anticyclone covering the central and southern parts of Europe generally. Lowest 29·1 in: and less in a well marked depression over Finland; 29·5 in: and less, in another disturbance off the west of Norway. Depressions subsequently moving eastwards, but small secondary system forming over the northwest of Scotland.

DAILY WEATHER REPORT — EASTER HOLIDAY ARRANGEMENTS.

In consequence of the operation of the Factory Act – the following Arrangements have become necessary: –

The Reports for
Sunday and Monday will be issued by post early on Tuesday.
Tuesday " " " " " as usual, on Tuesday.
Good Friday and Saturday " " " " " early on Wednesday.
Wednesday " " " " " as usual, on Wednesday.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 8th April, 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 ...	29.81	23	N	2	b	30.02	+ .70	19	18	— 10	N	2	b	*	b	*	37	21	—
	Hernösand ...	29.98	28	NW	2	b	30.13	+ .44	29	25	— 2	NW	2	b	*	b	*	39	26	—
	Stockholm ...	30.04	33	W	2	b	30.17	+ .46	31	31	+ 4	NNW	2	b	*	b	*	39	23	—
	Wisby	30.07	35	NNW	4	b	30.17	+ .42	35	33	+ 2	NW	4	b	*	b	*	37	30	—
	Karlstad ...	30.06	35	SW	2	b	30.18	?	30	28	+ 2	NE	2	bc	*	b	*	*	*	—
	Bodö	29.87	32	NW	4	s	30.12	+ .48	33	29	+ 2	S	4	b	2	s	*	34	28	—
	Christiansund ...	30.11	35	W	2	c	30.13	+ .20	33	31	— 1	N	4	c	4	c	*	36	32	—
	Skudesnaes ...	30.09	37	2	0	0	30.11	+ .17	39	37	+ 3	S	1	r	3	c,0	*	43	36	*
	Fierder (Christiania Fjord)	30.05	38	WSW	4	b	30.18	+ .21	36	32	0	N	2	0	2	b	*	41	34	—
	Skagen (The Scaw)	30.32	35	2	0	b	30.20	+ .29	39	36	+ 1	SW	1	b	0	b	*	48	30	—
	Fano	29.93	42	2	0	0	30.17	+ .25	43	42	+ 2	S	2	0	*	0	*	46	41	—
BRITISH ISLANDS.	Sumburgh Head	29.88	46	WSW	1	0	29.85	+ .04	47	46	+ 8	S	2	0	4	r,0	*	48	37	0.27
	Stornoway ...	29.88	49	S	4	0	29.80	+ .02	48	48	+ 1	SW	4	0	4	0	0.0	50	45	0.35
	Wick ...	29.84	52	S	2	c	29.85	+ .04	51	50	+ 4	SW	1	bc	1	0	*	57	45	0.02
	Nairn	29.90	51	E	1	r	29.89	+ .05	51	49	+ 2	2	0	c	1	r	*	57	46	0.11
	Aberdeen ...	29.95	50	SSW	2	0rg	29.97	+ .09	50	46	+ 5	SSW	3	c	2	ug,r	0.0	55	45	0.02
	Leith	29.96	55	W	3	0	30.02	+ .10	52	46	+ 2	SW	1	0	*	0	*	57	45	0.13
	Shields	30.06	55	SW	3	c	30.11	+ .15	50	47	— 2	SSW	2	0	2	c,c	*	57	47	—
	Spurn Head ...	30.11	55	WSW	3	c	30.17	+ .14	49	47	— 4	SSW	3	c	3	c	*	60	45	—
	York	30.11	56	W	1	0	30.17	+ .15	49	47	— 6	W	1	c	1	0	0.0	60	46	—
	Loughborough ...	30.16	61	WSW	2	c	30.21	+ .11	49	47	— 4	SSW	1	bcmw	*	c,bc,cm	*	63	44	—
	Ardrossan ...	29.99	50	SSW	3	0	29.99	+ .08	48	47	— 1	SSE	4	cm	3	0	*	50	46	0.02
	Malin Head ...	29.90	54	SW	4	cm	29.79	— .06	49	48	— 2	S	6	c	3	c,cm	*	56	46	0.03
	Belmullet ...	29.93	52	SSW	5	0	29.78	— .10	53	50	+ 2	SSE	2	b	*	0	*	54	47	0.01
	Donaghadee ...	30.04	54	SW	3	0	30.02	+ .08	48	47	— 5	SSW	5	c	3	0	*	61	46	—
	Liverpool (Bidston)	30.15	53	SW	4	0	30.14	+ .11	54	47	+ 2	SE	3	b	2	0	*	55	45	—
	Holyhead ...	30.16	47	SSW	4	f	30.09	+ .03	50	46	+ 2	S	4	cm	3	o,f	*	52	45	—
	Parsonstown ...	30.02	59	S	1	0	29.93	— .06	51	48	— 3	S	1	0	*	0	0.3	63	47	—
	Valencia ...	29.99	54	S	4	c	29.81	— .19	54	51	+ 1	SSE	6	bc	5	0.c	3.8	58	50	—
	Roche's Point ...	30.11	51	SSW	4	c	29.99	— .08	50	48	0	SSW	5	bm	4	cm	*	56	48	—
	Pembroke (St. Ann's Hd.)	30.19	48	SW	4	c	30.11	— .01	49	46	+ 1	SSE	4	bm	4	c	0.8	50	45	—
	Scilly	30.20	51	SSE	5	c	30.08	— .08	53	50	0	SSE	5	b	6	c	9.3	59	47	—
	Prawle Point ...	30.27	49	SW	3	c	30.20	— .03	50	47	+ 1	SSE	3	b	3	c	*	51	45	—
	Jersey (St. Helier's)	30.28	55	ESE	1	bm	30.25	— .04	54	49	+ 4	ENE	1	bm	1	bm	*	60	42	—
	Hurst Castle ...	30.28	47	SW	3	f	30.25	+ .02	48	46	0	NE	1	bm	2	f	*	53	40	—
	Dungeness ...	30.26	49	WSW	4	bc	30.29	+ .08	50	47	+ 3	2	0	bm	0	f,bc	*	52	40	—
	North Foreland	30.25	57	SW	3	c	30.29	+ .06	52	50	+ 2	SW	3	bc	2	c,0	*	62	44	—
	London (Brixton) ...	30.25	56	SW	1	bc	30.26	+ .05	56	49	+ 5	SSE	2	b	*	0,bc,bm	1.6	60	38	—
	Oxford	30.25	53	SW	2	0	30.25	+ .07	44	42	— 8	SE	2	b	*	c,0	*	62	38	—
	Cambridge ...	30.20	57	SW	3	0	30.26	+ .10	48	46	— 5	SSW	2	b	*	0	0.6	60	38	—
	Yarmouth ...	30.15	58	WSW	3	bc	30.23	+ .12	52	50	— 2	WSW	2	bc	3	bc	*	62	45	—
GERMANY & HOLLAND	Cuxhaven ...	30.11	45	W	3	r	30.23	+ .25	44	44	— 1	WSW	2	0	*	r	*	45	43	0.63
	Berlin	30.13	51	SW	4	r	30.24	+ .17	47	46	+ 4	2	0	0	*	r	*	52	43	0.55
	Wiesbaden ...	*	*	*	*	*	30.35	+ .03	47	44	+ 10	2	0	b	*	*	*	64	37	—
	Munich	30.36	46	SW	3	b	30.39	+ .03	45	41	+ 6	SW	2	b	*	b	*	55	36	—
	The Helder ...	30.17	46	SW	3	0	30.23	+ .14	48	46	+ 1	W	1	b	1	0	*	50	43	—
BELGIUM.	Brussels ...	*	*	*	*	*	30.33	+ .05	53	48	+ 4	WSW	1	b	*	b	*	63	42	—
	Cape Gris Nez ...	?	48	WSW	2	b	?		51	45		SW	1	b	1	b	*	52	40	—
	Paris	30.36	61	S	1	b	30.38	+ .04	41	38	— 1	2	0	b	*	b	*	67	33	—
	Brest	30.25	52	S	2	bc	30.15	— .09	50	47	0	SE	2	b	3	bc	*	55	45	—
	Lorient	30.28	54	2	0	b	30.20	— .08	49	46	+ 4	ESE	3	b	3	b	*	61	43	—
FRANCE &	Rochefort ...	30.30	59	NW	2	b	30.28	— .03	48	47	+ 3	SE	4	b	*	b	*	75	45	—
	Belfort ...	30.29	57	2	0	b	30.35	— .01	44	39	+ 4	E	1	m	*	b	*	62	39	—
	Lyons	30.33	58	ENE	1	b	30.37	+ .01	45	42	?	S	1	b	*	b	*	63	38	—
	Nice	30.32	54	SW	1	b	30.33	+ .06	53	45	+ 4	E	2	b	1	b	*	63	46	—
	Perpignan ...	30.31	55	SE	1	b	30.34	+ .03	46	45	— 1	2	0	m	*	b	*	63	38	—
	Biarritz ...	30.15	66	ENE	4	b	30.17	+ .01	58	49	+ 14	SSE	4	b	4	b	*	68	44	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.06	64	ESE	4	bc	30.15	+ .05	55	51	— 2	NE	5	b	*	bc	*	72	57	—
	Azores (P. Delgada)	29.95	62	SW	5	0	30.01	+ .08	62	61	+ 5	WSW	4	0	4	0	*	63	57	—

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

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

Bright Sunshine yesterday Southport. 0·5 hrs;

WEATHER CHARTS

FOR FRIDAY, 8th April, 1898

BAROMETER, WIND AND SEA.

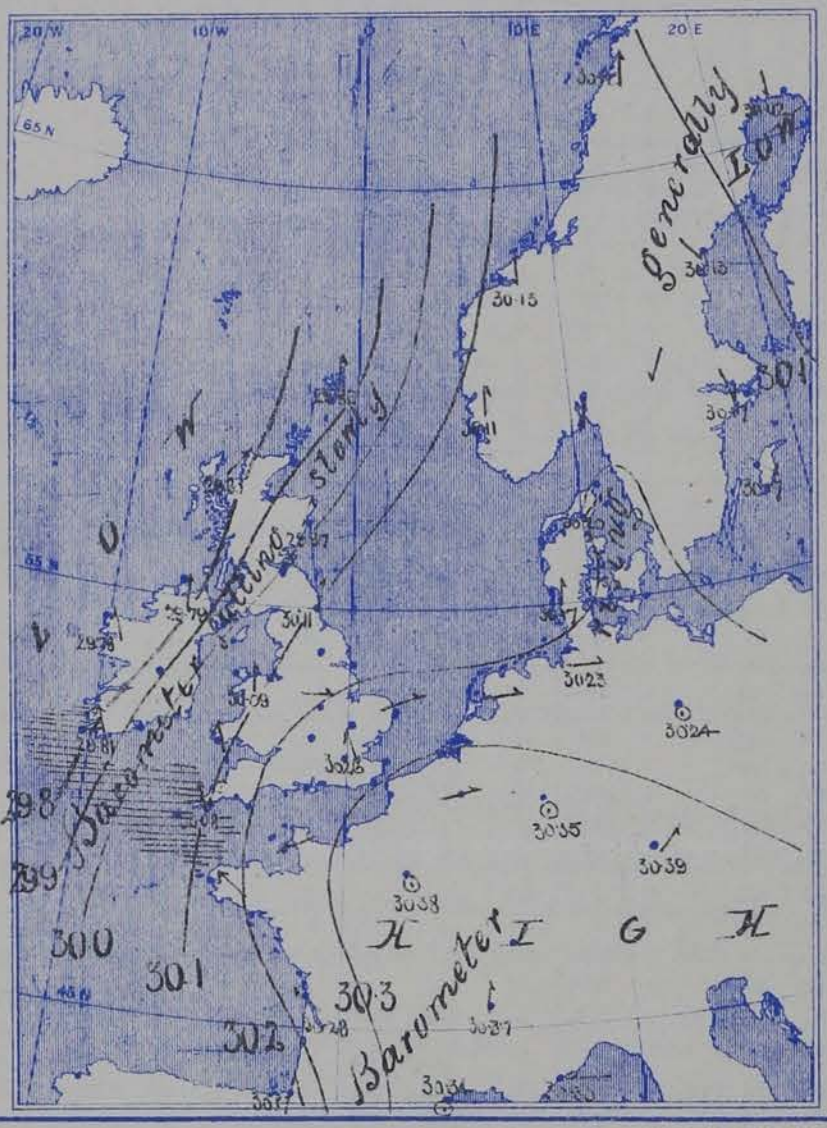
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬


20°W
10°W
0
10°E
20°E
65°N
45°N
Generally Low
Stormy
Barometer falling
Barometer rising
Barometer
Barometer
Barometer

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in. and upwards, over France, Belgium, and Western Germany; 30·1 in. and upwards in our anticyclone embracing the greater part of Western Europe.
Lowest, 29·8 in. and less, in a depression lying to the westward of the United Kingdom
Gradients moderate over the west and north of our Islands, but slight elsewhere.
Barometer falling in all but the eastern parts of our Islands and also in the west of France, but rising elsewhere.

TEMPERATURE

Highest, 58° at Biarritz, 56° in London, and 54° at Valencia (Ireland) and Jersey.
Lowest, 19° at Haparanda, 29° at Hernösand, 30° at Karlstad, 31° at Stockholm, and 33° at Bodö and Christiansund.
During yesterday the thermometer rose to 60° and upwards in many parts of England Ireland, and France, to 61° at Paris, 68° at Biarritz, and 72° at Lisbon.

WIND

Moderate to strong from the SE. in the west of France, and from the S. on our own western coasts.
Light from the SW. in the eastern parts of Great Britain, and from the W. over the Netherlands.
Variable over Western Germany and the central parts of France; N. or NW. at most of the Scandinavian stations.

WEATHER

Fine over Western Europe as a whole, but cloudy or dull over the northern parts of our Islands and the west of Norway, with rain at Skudenaes.
A little rain fell yesterday in Scotland and the north of Ireland, and larger quantities over North Germany. A lunar halo was seen in London last night.

SEA

Rough at Scilly and rather rough at Valencia, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 9th APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 9·30 am to districts 6. 10. and part of 9 Hoist South Cone.

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	30·03	46	45	S	2	c	2
Sumburgh Heac	29·85	46	46	WSW	2	r	5
Stornoway	29·82	50	49	SSW	4	o	4
Aberdeen	29·92	50	48	SE	3	cg	3
Shields	30·02	55	53	SW	3	c	2
Ardrossan	29·96	49	48	S	3	c	2
Malin Head	29·88	55	53	SSW	5	c	2
Belmullet	29·93	54	53	SSW	5	o	*
Holyhead	30·13	50	49	SSW	4	cf	3

	BAR.	THER Dry	THER Wet	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·02	57	53	S	5	c	5
Scilly	30·10	56	53	S	3	c	5
Jersey	30·31	56	51	SE	2	b	2
Hurst Castle	30·27	50	49	SW	3	c	3
Dungeness	30·24	50	49	WSW	5	c	4
North Foreland	30·24	62	57	SW	4	c	3
London (Westminster)	30·22	59	54	SW	2	o	*
Yarmouth	30·14	62	56	WSW	4	bc	3
Rochefort	30·31	71	61	SE	2	b	*

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

Weather in morning cloudy in most parts of our Islands, with fog at Holyhead, Prawle Pt. and Hurst Castle, and rain at several of our northern stations. Fair in France, Spain, northern Italy, and the south of Russia, but cloudy in most other parts of the Continent, with rain in North Germany, and snow in several parts of Finland and Scandinavia; thunderstorm reported at Brindisi. No important change occurring over Western Europe during day. Lunar halo seen in London at night.

Temperature risen in our Islands, the Netherlands, and Germany, but fallen in most other countries. Morning readings highest 59° at Algiers, 58° at Barcelona, San Fernando, Oran, La Calle and Malta; above 50° in many parts of England and Ireland. Lowest 24° at Haparanda, 27° at Stockholm, 28° at Karlstad, and 29° at Hangö. Rising during day to 60° and upwards at many of the English, Irish, and French stations; reaching 67° at Paris, 68° at Biarritz, and 72° at Lisbon.

Wind SW³ over our Islands, the Netherlands, and Germany, and fresh in force at several of our western stations. E³ over the greater part of southern Europe, with a moderate gale at San Fernando. NW³ over Scandinavia and Denmark, with a whole gale at Visby; light from the W. over Austria and the south of Russia; SW³ or S³ over the northern and central parts of Russia. Subsequently backing to the S. on our own western coasts; no important change occurring elsewhere.

Barometer highest 30·3 in: and upwards over France, Switzerland, and South Germany, and also over Eastern Austria; 30·1 in: and upwards in an anticyclone embracing the southern half of Europe generally. Lowest 29·4 in: and less in an elongated depression over Lapland and Finland; 29·5 in: and less, in a shallow area off the northwest of Scotland. Depression over Finland subsequently moving southeastwards and partially filling up; no important change occurring 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 Saturday, 9th April, 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 ...	30·24	18	N	2	b	30·31	+·29	16	14	−3	N	2	b	*	b	*	36	7	-
	Hernösand ...	30·28	23	NE	0	b	30·31	+·18	22	20	−1	NE	0	b	*	b	*	43	22	-
	Stockholm ...	30·28	31	NE	0	b	30·28	+·11	31	28	0	NNW	2	b	*	b	*	37	25	-
	Wisby	30·27	32	N	4	b	30·27	+·10	34	32	−1	N	4	b	*	b	*	37	30	-
	Karlstad ...	30·23	34	N	2	o	30·21	+·03	33	32	+2	S	2	o	*	o	*	*	*	-
	Bodö	30·29	28	E	4	b	30·16	+·04	32	29	−1	E	6	b	1	b	*	36	25	-
	Christiansund ...	30·03	44	SE	2	bc	29·91	−·22	43	40	+10	SSE	2	c	3	bc	*	43	33	-
	Skudesnaes ...	30·08	42	SSE	2	bc	29·91	−·20	42	40	+3	ESE	4	bc	3	r.bc	*	43	37	*
	Færder (Christiania Fjord)	30·20	38	SW	1	o	30·13	−·05	36	35	0	ESE	2	o	2	o	*	39	36	0·04
	Skagen (The Scaw)	30·20	44	SSE	1	r	30·10	−·10	40	39	+1	S	4	r	1	r	*	45	37	0·04
	Fanö	30·17	44	SE	1	c	30·04	−·13	43	42	0	WSW	1	f	*	c	*	50	41	-
British Islands.	Sumburgh Head	29·83	47	ESE	1	b	29·53	−·32	48	46	+1	SE	3	c	5	b	*	54	42	0·01
	Stornoway ...	29·66	52	SSW	3	bc	29·40	−·40	48	48	0	SW	4	o	4	bc	6·5	53	46	0·10
	Wick	29·79	54	S	4	b	29·45	−·40	45	44	−6	SW	4	o	3	b	*	58	45	-
	Nairn	29·79	58	SW	2	c	29·43	−·46	53	50	+2	S	2	c	1	c	*	62	47	-
	Aberdeen ...	29·88	52	SSW	2	c	29·52	−·45	46	44	−4	SSE	4	o,c,q	4	o,c,r	0·1	58	42	0·04
	Leith	29·88	56	W	3	o	29·51	−·51	51	48	−1	S	3	o	*	o	*	61	48	-
	Shields	29·95	63	SSW	2	bc	29·60	−·51	48	47	−2	SSE	3	o	2	bc.r	*	65	46	0·03
	Spurn Head ...	30·02	54	SSW	4	b	29·67	−·50	51	49	+2	SSW	5	c,q,r	4	b,q,r	*	64	45	0·05
	York	30·01	62	S	1	b	29·64	−·53	50	48	+1	S	3	cp	*	b	7·4	67	45	0·02
	Loughborough ...	30·05	64	SSW	2	b	29·73	−·48	52	49	+3	SW	3	qp	*	b,cp	*	68	46	0·06
	Ardrossan ...	29·85	52	SSE	4	cm	29·50	−·49	48	47	0	SSW	4	qp	3	cm	*	52	47	0·02
	Malin Head ...	29·60	56	ESE	6	cm	29·49	−·30	49	49	0	W	4	bcpm	2	b,cm	*	62	48	0·04
	Belmullet ...	29·58	53	SSW	6	r	29·60	−·18	51	49	−2	W	6	o	*	r	*	59	47	0·20
	Donaghadee ...	29·83	53	S	6	c	29·54	−·48	49	49	+1	SW	4	c	2	c	*	54	46	0·03
	Liverpool (Bidston)	29·96	61	S	3	c	29·64	−·50	49	46	−5	SW	5	r	3	cm	*	67	47	0·13
	Holyhead ...	29·97	55	S	4	bcm	29·64	−·45	48	48	−2	SW	5	cpm	4	bcm	*	58	46	0·45
	Parsonstown ...	29·71	55	SSE	2	o	29·66	−·27	50	48	−1	W	1	p	*	c.or	4·1	62	47	0·29
	Valencia ...	29·62	52	SSE	5	gm	29·75	−·06	52	49	−2	WSW	5	c	5	c,gmr	3·4	57	47	0·22
	Roche's Point ..	29·87	51	S	6	o	29·77	−·22	52	49	+2	W	5	b	5	o.rq	*	53	48	0·45
	Pembroke (St. Ann's Hd.)	?	51	S	5	c	29·75	−·36	52	48	+3	WSW	6	bcqr	5	b,c	11·7	54	46	0·35
	Scilly	29·99	53	S	5	bc	29·93	−·15	50	50	−3	SW	6	c	5	bc	11·6	56	49	0·13
	Prawle Point ...	30·08	51	SE	3	c	29·93	−·27	50	49	0	WSW	5	c	4	c,p	*	53	48	0·03
	Jersey (St. Aubin's)	30·13	50	ENE	2	bm	30·06	−·19	54	52	0	SW	5	cm	4	b.bm	*	64	49	-
	Hurst Castle ...	30·12	56	SE	3	bm	29·92	−·33	51	50	+3	SW	5	cm	3	bm	*	57	47	0·04
	Dungeness ...	30·16	51	SSE	2	b	29·94	−·35	47	46	−3	SW	4	r	4	b	*	53	47	0·02
	North Foreland	30·18	55	S	3	b	29·95	−·34	52	50	0	SW	3	r	2	b	*	60	46	-
	London (Brixton) ...	30·13	61	S	2	b	29·89	−·37	55	50	−1	SW	5	c,q,p	*	b	10·3	68	48	0·06
	Oxford	30·09	55	S	3	b	29·83	−·42	51	48	+7	SW	4	o	*	b,p	*	67	43	0·10
	Cambridge ...	30·10	60	S	3	b	29·82	−·44	50	49	+2	S	4	b	*	b	11·7	68	44	0·12
	Yarmouth ...	30·12	57	S	2	b	29·86	−·37	50	48	−2	SW	4	r	3	b	*	57	45	0·05
Germany & Holland.	Cuxhaven ...	30·21	50	W	1	bc	30·07	−·16	45	44	+1	S	1	bf	*	bc	*		41	-
	Berlin	30·26	51	NW	0	o	30·17	−·07	50	49	+3	NW	0	b	*	o	*	54	46	-
	Wiesbaden ...	*	*	*	*	*	30·22	−·13	47	44	0	SW	1	b	*	*	*	68	43	-
	Munich	30·34	50	SE	2	b	30·31	−·08	46	42	+1	W	2	b	*	b	*	59	36	-
	The Helder ...	30·18	47	S	1	b	29·94	−·25	53	48	+5	C	1	b	1	b	*	54	41	-
Belgium.	Brussels ...	*	*	*	*	*	30·07	−·26	59	49	+6	S	5	o	*	b	*	68	45	-
	Cape Gris Nez ...	?	61	S	1	b	?	?	54	46	+3	SW	5	c	4	b	*	64	45	-
	Paris	30·24	65	SSW	2	b	30·18	−·20	48	43	+7	SSE	2	b	*	b	*	71	?	-
	Brest	30·13	54	SSE	2	b	30·07	−·08	52	51	+2	WSW	4	o	4	b	*	59	46	-
	Lorient	30·15	55	SSE	3	b	30·12	−·08	54	53	+5	WSW	5	r	5	b	*	63	45	-
France &	Rochefort ...	30·25	58	SSE	2	b	30·26	−·02	52	50	+4	SW	2	o	*	b	*	77	45	-
	Belfort	30·23	60	NE	2	b	30·28	−·07	49	41	+5	W	3	m	*	b	*	66	40	-
	Lyons	30·28	60	SSE	1	b	30·32	−·05	49	45	+4	SSE	1	b	*	b	*	66	42	-
	Nice	30·31	56	SW	1	b	30·16	−·17	54	46	+1	W	0	b	0	b	*	64	41	-
	Perpignan ...	30·31	56	E	1	b	30·36	+·02	50	48	+4	S	1	b	*	b	*	63	40	-
	Biarritz ...	30·14	64	NE	2	b	30·23	+·06	58	52	−1	SSE	1	bc	3	b	*	70	54	-
Penin-sula.	Corunna ...																*			
	Lisbon	30·26	61	NNW	5	b	30·32	+·17	58	51	+3	NE	4	b	*	b	*	70	?	-
	Azores (P. Delgada)	30·29	62	SW	4	o	30·24	+·23	62	61	0	SW	5	c	4	o	*	66	61	-

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

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

Bright Sunshine yesterday Southport 8.5 hrs;

WEATHER CHARTS

FOR Saturday, 9th April, 1898

BAROMETER, WIND AND SEA.

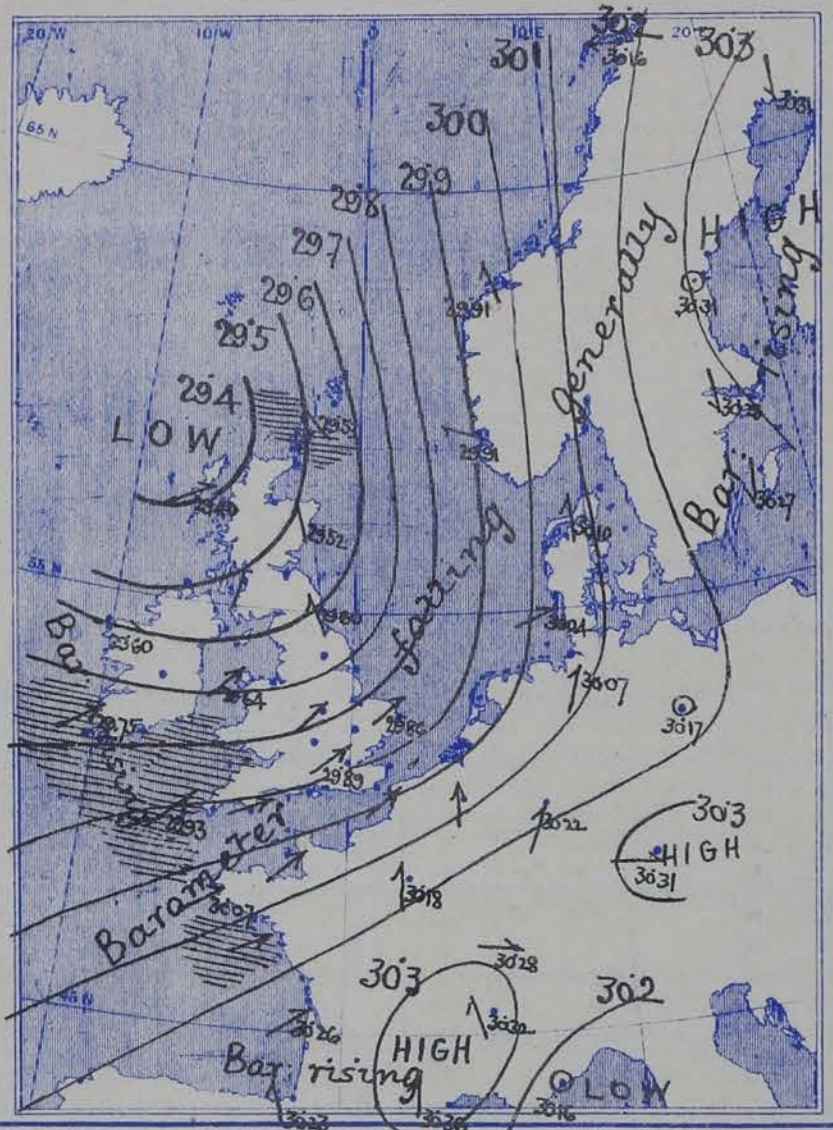
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▰

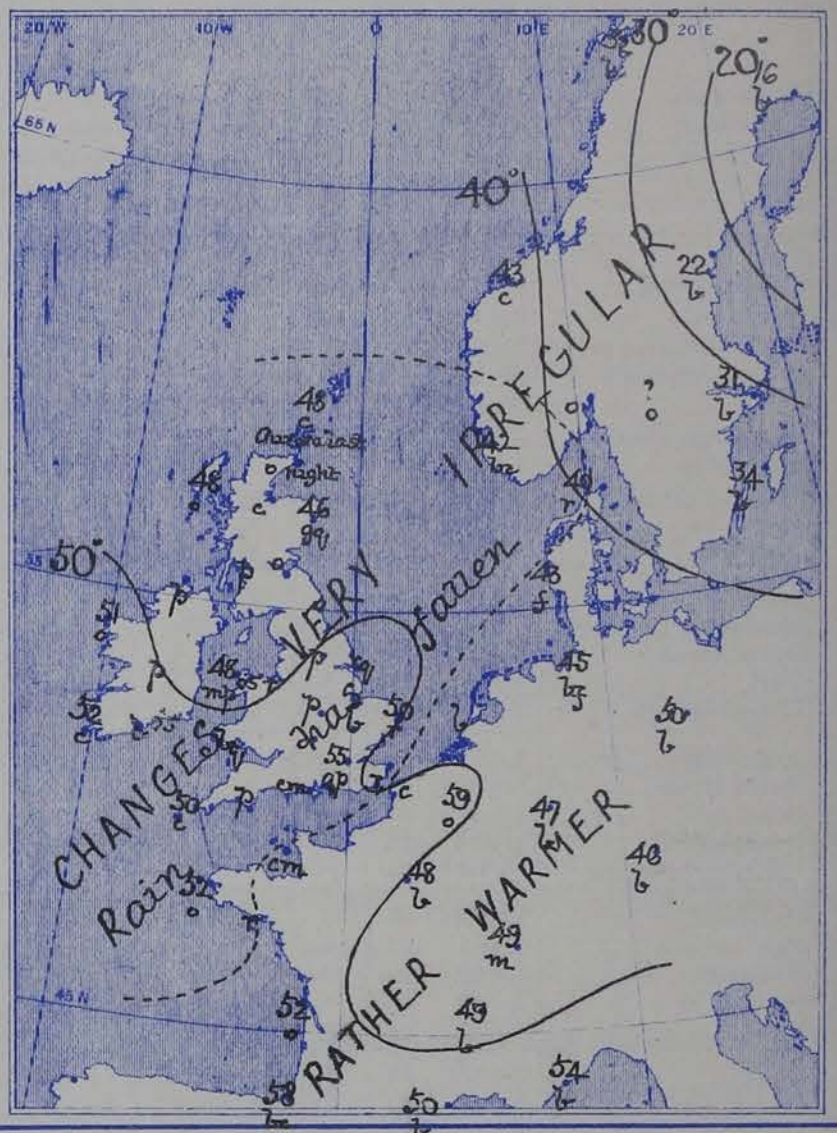


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards over the Gulf of Bothnia and also at some of the southern stations in Germany, France, and the Spanish Peninsula.
Lowest, 29·4 in: and less in a depression having its centre a little to the northward of the Hebrides.
Gradients rather steep over England and the North Sea, but moderate or slight elsewhere.
Barometer falling over Western Europe generally, but rising on our own west and southwest coasts, as well as in Sweden and the south of France.

TEMPERATURE

Highest, 59° at Brussels, 58° at Biarritz, 55° in London, and 54° at Jersey, Lorient and Nice.
Lowest, 16° at Haparanda, 22° at Hernösand, 31° at Stockholm, and 32° at Bodö and Haparanda; lowest in our Islands 45° at Wick.
During yesterday the thermometer rose to 60° and upwards at some of the Irish and Scotch stations, to 65° and upwards in many parts of England, and to 68° in London and at Loughborough and Cambridge.

WIND

Fresh to strong from the W.ward in Iceland, and from the SW.ward over England; light to moderate from the S.ward in Scotland, and from the SE.ward in the west of Norway.
Light from the S.ward over France, the Netherlands, and Denmark; variable in Germany; N.ward in Sweden.

WEATHER

Cloudy over the greater part of our Islands, with steady rain on the east and southeast coasts of England, and passing showers in many other localities. Fine at most of the Continental stations, but foggy at Jarö and Cuxhaven, and rainy at Skagen and Lorient.
In the course of the past night rain has fallen in nearly all parts of the United Kingdom, the quantity being mostly slight, but rather large at Holyhead and Loch Ness Point. A lunar halo was seen last night at Dungeness, and an Aurora at Wick.

SEA

Rather rough on our southwest coasts, as well as at Lerwick Hd., but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our western coasts last evening has travelled northwards, but has at the same time spread out in an easterly direction. Further disturbances are likely to appear in the west shortly, and mild, showery weather is probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 10th APRIL 1898

DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	SW. winds, strong in places; squally, some showers.
▼ 1 SCOTLAND EAST	S. and SW. winds, fresh; mild, changeable, some showers.
2 ENGLAND N.E.	
3 ENGLAND EAST	SW. winds, fresh; some showers at first, then fair.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
▼ 6 SCOTLAND WEST	W. to SW. or S. winds, strong; squally, some showers.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
▼ 9 IRELAND NORTH	
▼ 10 IRELAND SOUTH	
WARNINGS	At 7·10pm yesterday to district 0, and part of 1. Hoist South Cone. It is still flying in districts 6, 10, 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 ...	30·10	42	42	S	2	f	3
Sumburgh Head	29·86	54	51	W	2	c	4
Stornoway	29·71	50	48	S	4	bc	4
Aberdeen							
Shields							
Ardrossan	29·94	50	47	SSE	4	cm	4
Malin Head ...	29·72	60	57	S	6	b	3
Belmullet	29·66	57	52	SSW	5	c	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·20	60	52	ESE	3	b	3
Hurst Castle ...	30·19	55	50	SSE	2	bm	2
Dungeness ...	30·24	54	49	SSW	2	b	1
North Foreland	30·24	60	54	S	3	b	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·28	73	?	SE	3	b	*

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

Weather in morning fine over the greater part of western and southern Europe, but cloudy or dull at several of our own northern stations, as well as in the west of Norway, with rain at Skudesnaes. Fine over Sweden, Finland, and the Baltic; dull in Eastern Germany, Austria and Russia, with rain at Berlin and Nicolaieff, and snow at Moscow. Rain setting in later in the west of Ireland and spreading quickly eastwards at night over nearly the whole of the United Kingdom. Lunar halo seen at Dungeness and an aurora at Wick.

Temperature fallen in most parts of England and Ireland and also in Russia, but risen in most other countries. Morning readings highest 65° at Bilbao, 60° at Palma, and 59° at Malta and Algiers; above 55° at several of the Mediterranean and Spanish coast stations, and above 50° in many parts of the United Kingdom. Lowest 19° at Haparanda, 24° at Hangö, and 25° at Ulea borg and Kuopio; below the freezing point over Sweden and Russia generally. Rising during day 1 to 6° and upwards at some of the Irish and Scotch stations, and to 6° and upwards in many parts of England, France, and Belgium; reaching 70° at Biarritz and 71° at Paris.

Wind S[3] in our Islands, and fresh to strong in force on our western coasts, SE[3] in the west of France. N[3] or NW[3] over Scandinavia and the western parts of Russia, with a gale at Kuopio; W[3] or SW[3] in the south of Russia. Variable in Germany, central France and northern Italy; N[3] or NW[3] in the south of Italy; E[3] or NE[3] over the greater part of the Spanish Peninsula. Subsequently increasing in force in Ireland and the west and north of Scotland, and blowing a gale at Rockall Point.

Barometer highest 30·3 in: and upwards over Spain, France, Switzerland and Italy; 30·1 in: and upwards in an anticyclone covering all but the eastern and most western parts of Europe. Lowest 29·7 in: and less in a large depression over Central Russia; 29·8 in: and less in another disturbance lying to the westward of our Islands. Latter disturbance subsequently spreading eastwards, and barometer falling over Western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 10th April, 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 ...	30·18	18	N	2	b	30·12	−·19	17	16	+ 1	N	2	b	*	b	*	36	7	—
	Hernösand ...	30·19	20	E	0	b	30·12	−·19	17	16	− 5	E	0	b	*	b	*	39	10	—
	Stockholm ...	30·15	34	E	0	b	30·06	−·22	28	25	− 3	NNE	2	b	*	b	*	39	25	—
	Wisby	30·13	34	NNE	4	b	30·02	−·25	34	32	0	NNE	4	o	*	b	*	37	28	—
	Karlstad ...	30·05	36	?N	2	o	30·02	−·19	34	34	+ 2	E	2	o	*	o	*	*	*	—
	Bodö	30·04	33	E	6	b	29·96	−·20	33	30	+ 1	E	6	b	1	b	*	36	28	—
	Christiansund ...	29·64	48	SE	2	b	29·69	−·22	44	38	+ 1	ESE	3	b	2	b	*	52	39	—
	Skudesnaes ...	29·70	46	SE	4	o	29·71	−·20	43	40	+ 1	SE	6	o	4	b,o	*	50	41	*
	Færder (Christiania Fjord)	?30·00	35	?S	4	o	29·95	−·18	36	35	o	E	4	o	2	o	*	36	34	0·28
	Skagen (The Scaw)	29·90	38	S	5	o	29·90	−·20	39	36	− 1	SSE	4	o	1	o	*	41	37	—
	Fanö	29·78	45	SW	2	o	29·81	−·23	44	43	+ 1	SW	3	c	*	o	*	?	43	—
British Islands.	Sumburgh Head	29·49	45	SE	4	r	29·25	−·28	44	44	− 4	SE	4	r	6	r	*	48	42	0·17
	Stornoway ...	29·47	54	WSW	3	c	29·04	−·36	49	47	+ 1	SSW	6	c	6	bc.c	6·7	56	44	0·25
	Wick	29·51	53	S	3	o	29·18	−·27	48	46	+ 3	S	4	b	5	o	*	58	43	0·05
	Nairn	29·54	54	W	1	bc	29·18	−·25	55	51	+ 2	SW	2	bc	1	bc	*	58	42	0·05
	Aberdeen ...	29·52	54	W	2	bc	29·32	−·20	50	49	+ 4	S	4	bcq	4	r.bc	1·8	58	41	0·04
	Leith	29·61	55	W	3	b	29·33	−·18	54	50	+ 3	SW	3	b	*	b	*	59	48	0·11
	Shields	29·69	55	SW	2	bc	29·49	−·11	53	52	+ 5	SW	1	p	2	bc	*	59	46	0·06
	Spurn Head ...	29·78	50	WSW	4	c	29·60	−·07	51	50	o	SSW	4	o	4	p.c.r	*	55	47	0·06
	York	29·77	54	S	3	c	29·55	−·09	55	52	+ 5	SW	3	o	*	c.p	1·6	57	47	0·05
	Loughborough ...	29·86	54	W	4	c	29·66	−·07	54	52	+ 2	SW	4	cqr	*	cpq.op	*	58	49	0·20
	Ardrossan ...	29·63	49	S	1	o	29·34	−·16	50	49	+ 2	S	5	cm	4	o	*	56	47	0·22
	Malin Head ...	29·56	51	S	4	ogm	29·19	−·30	51	47	+ 2	S	8	bcgm	4	b.ogm	*	53	47	0·24
	Belmullet ...	29·57	49	S	5	r	29·31	−·29	52	48	+ 1	WSW	6	c	*	b.r	*	54	47	0·39
	Donaghadee ...	29·68	55	WSW	3	c	29·40	−·14	52	50	+ 3	WSW	7	bc	5	c	*	60	46	0·24
	Liverpool (Bidston)	29·80	51	SW	4	bc	29·57	−·07	52	50	+ 3	SW	4	r	3	r.bc	*	55	48	0·04
	Holyhead ...	29·80	49	SW	4		29·54	−·10	48	47	o	SW	6	ogm	4	cp.o	*	54	46	0·37
	Parsonstown ...	29·76	50	S	2	r	29·47	−·19	53	48	+ 3	SW	1	c	*	or.	3·5	57	47	0·24
	Valencia ...	29·61	52	SSE	7	rm	29·48	−·27	53	50	+ 1	SSW	6	ompq	6	rm	3·2	55	48	0·47
	Roche's Point ..	29·76	50	SSW	5	d	29·59	−·18	52	50	o	WSW	6	bc	4	rq	*	55	48	0·20
	Pembroke (St. Ann's Hd.)	29·91	49	SW	5	r	29·66	−·09	48	48	− 4	WSW	5	r	5	r	5·4	52	48	0·09
	Scilly	29·95	53	SSW	5	m	29·74	−·19	51	51	+ 1	WSW	4	r	5	c.m	1·8	56	50	0·04
	Prawle Point ...	30·02	49	WSW	4	o	29·79	−·14	50	50	o	SSW	6	fa	5	o	*	52	48	0·03
	Jersey (St. Aubin's)	30·10	55	W	5	cgm	29·95	−·08	53	52	− 1	SSW	5	omp	4	c.cgm	*	58	50	0·07
	Hurst Castle ...	30·02	50	WSW	4	om	29·83	−·09	50	49	− 1	SW	4	omd	3	cm.om	*	53	48	0·01
	Dungeness ...	29·98	49	WSW	6	c	29·85	−·09	49	48	+ 2	SSW	4	o	4	c.f	*	53	46	0·01
	North Foreland	29·98	54	SW	5	c	29·83	−·12	52	50	o	SSW	5	omqr	3	c	*	59	48	0·14
	London (Brixton) ...	29·96	55	WSW	4	o	29·79	−·10	53	51	− 2	SW	5	o	*	qpt.bc.o	5·1	61	50	0·05
	Oxford	29·95	51	SW	3	o	29·73	−·10	53	52	+ 2	SSW	4	o	*	p.c.o	*	59	49	0·04
	Cambridge ...	29·92	55	WSW	4	o	29·74	−·08	53	52	+ 3	SSW	2	o	*	bc.o	5·6	59	48	0·07
	Yarmouth ...	29·85	55	W	4	bc	29·74	−·12	53	51	+ 3	WSW	4	c	3	p.bc	*	58	48	0·05
Germany & Holland.	Cuxhaven ...	29·88	52	SW	4	r	29·87	−·20	47	46	+ 2	WSW	3	o	*	r	*	54	45	0·08
	Berlin	29·88	59	S	2	o	29·89	−·28	50	48	a	WNW	4	o	*	o	*	68	48	0·04
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30·17	56	SW	5	c	30·18	−·13	50	46	+ 4	W	4	o	*	c	*	64	46	0·08
	The Helder ...	29·84	46	SW	4	o	29·84	−·10	48	46	− 5	SSW	3	r	2	o	*	59	45	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·98	−·09	52	49	− 1	SW	5	o	*	o	*	65	48	—
	Cape Gris Nez ...	?	49	W	6	m	?	?	50	48	− 4	SW	5	o	5	m	*	54	45	0·04
	Paris	30·13	61	SW	4	o	30·09	−·09	54	52	+ 6	SSW	3	o	*	o	*	70	48	—
	Brest	30·14	52	SW	3	f	29·95	−·12	52	52	o	SW	5	f	5	f	*	55	50	—
	Lorient	30·16	54	WSW	4	m	30·03	−·09	54	54	o	WSW	5	o	6	m	*	61	43	—
France &	Rochefort ...	30·27	56	WSW	2	o	30·23	−·03	53	52	+ 1	SW	3	o	*	o	*	64	50	—
	Belfort	30·17	62	SW	5	c	30·16	−·12	50	45	+ 1	W	3	o	*	c	*	69	40	—
	Lyons ...	30·23	62	SSW	1	b	30·25	−·07	53	49	+ 4	E	0	c	*	b	*	70	49	—
	Nice	30·30	54	E	0	b	30·20	+·04	52	49	− 2	E	0	bc	1	b	*	64	46	—
	Perpignan ...	30·29	60	E	0	c	30·27	−·09	52	47	+ 2	SW	2	b	*	c	*	67	46	—
	Biarritz ...	30·26	59	E	0	o	30·19	−·04	53	50	− 5	SE	2	o	2	o	*	66	50	—
Peninsula.	Corunna ...																*			
	Lisbon	30·34	64	NNW	4	b	30·36	+·04	60	53	+ 2	N	2	b	*	b	*	73	55	—
	Azores (P. Delgada)	30·33	63	WSW	2	c	30·32	+·08	62	61	o	SW	4	o	1	c	*	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 3·5 hrs;

WEATHER CHARTS

FOR Sunday, 10th April, 1898

BAROMETER, WIND AND SEA.

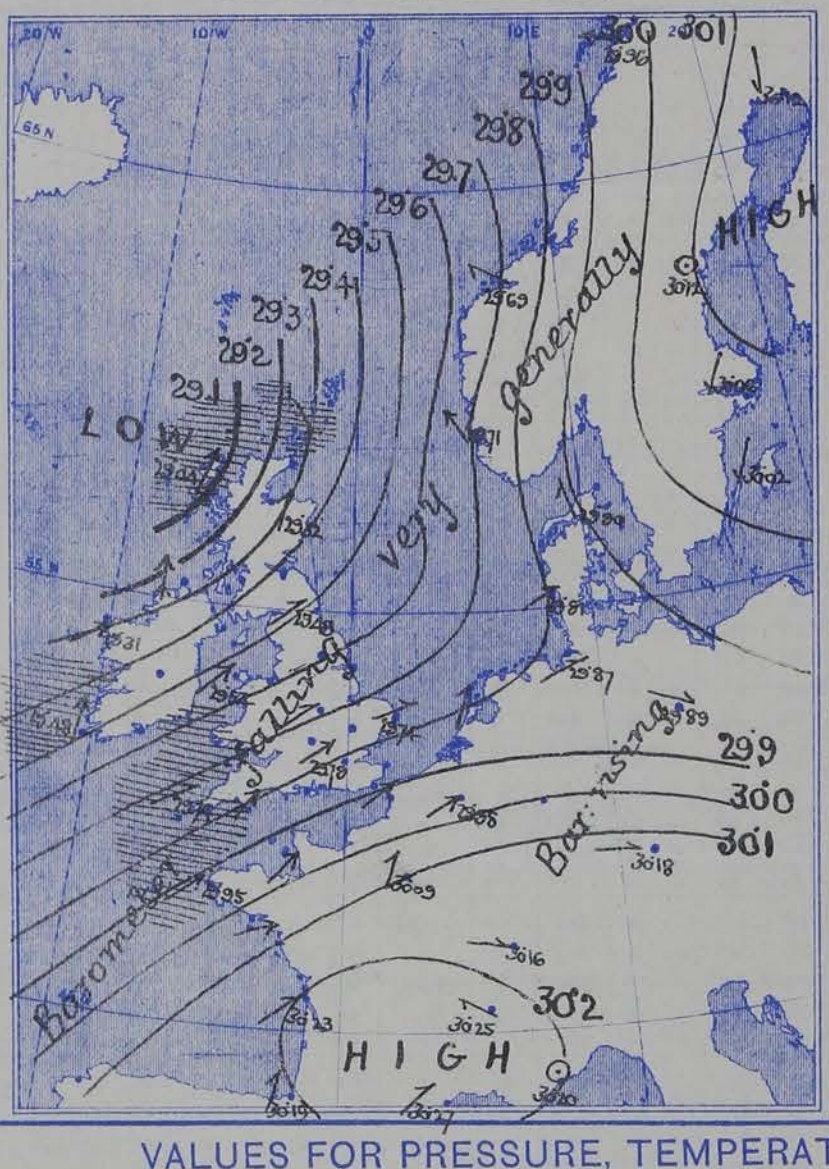
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

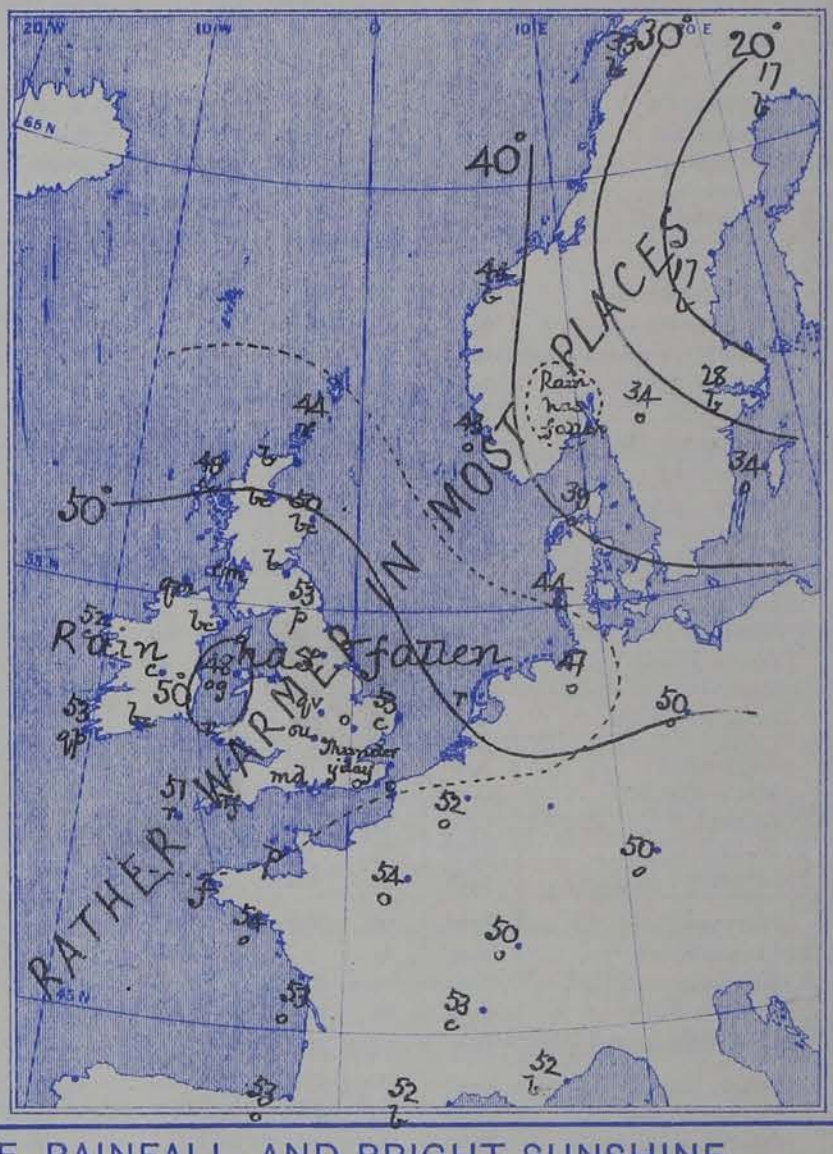


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins: and upwards in Portugal, 30·2 ins: and upwards over Spain and the southern parts of France; 30·1 ins: and upwards over the Gulf of Bothnia.
Lowest, 29·1 ins: and less, in a depression lying off the northwest of Scotland.
Gradients rather steep over our Islands and the north of France, but moderate or slight elsewhere.
Barometer falling generally – most on our northern coasts.

TEMPERATURE

Highest, 60° at Lisbon, 55° at Nairn and York, and 54° at Leith, Loughborough, Paris, and Lorient.
Lowest, 17° at Haparanda and Hernösand, 28° at Stockholm and 33° at Bodö; lowest in our Islands 44° at Lerwick Head.
During yesterday the thermometer rose to 55° and upwards in most parts of the United Kingdom, to 60° at Donaghadee and to 61° in London.

WIND

S[1] or SW[1] over our Islands, the Netherlands, and the north of France, and strong in force on all our western coasts, with a gale at Malin Hd.
Moderate to strong from the SE[ard] or E[ard] in Norway; N[1] or NE[1] in Sweden.
Light and variable over the Spanish Peninsula and the south of France.

WEATHER

Cloudy and unsettled over Western Europe as a whole, with rain or passing showers in many parts of the United Kingdom and also in the Netherlands.
Fine in the east of Scotland, as well as over all the more northern parts of Scandinavia, and the extreme south of France.
Rain fell yesterday over the whole of the United Kingdom, but in Great Britain the quantity was mostly slight. Thunder and lightning occurred in London between Noon and 0·30pm.

SEA

Rough or rather so on most parts of our western and extreme northern coasts and also off the north of France, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 11th APRIL 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	At 9·30 am today to districts 6, 9, and 10 "Keep up South Cone". The signals are still flying in districts 0, 5, 7, 8, and part of 1.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.78	50	45	SE.	4	b	3
Sumburgh Head	29.80	46	45	SE.	4	r	5
Stornoway	29.45	54	50	W	3	be	3
Aberdeen	29.48	53	49	WNW	4	opq	3
Shields	29.60	58	54	SW	3	c	2
Ardrossan	29.59	56	54	WSW	3	b	2
Malin Head ...	29.59	52	50	W	5	b	3
Belmullet	29.66	54	50	WSW	4	b	*
Holyhead	29.78	53	50	SW	4	cp	3
Valencia	29.78	52	50	SSW	5	r	6
Scilly	30.00	56	53	SW	5	c	5
Jersey	30.11	56	52	WSW	5	c	4
Hurst Castle ...	29.98	53	50	SW	6	cm	4
Dungeness ...	29.91	51	49	SW	6	c	5
North Foreland	29.90	56	51	SW	7	r	5
London (Westminster)	29.89	59	52	WSW	4	be	*
Yarmouth ...	29.77	58	52	WSW	5	pq	3
Rochefort ...	30.27	61	58	NNE	2	o	*

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

Weather in morning cloudy over northwestern Europe as a whole, with steady rain on the east and southeast coasts of England, and passing showers in many other localities. Fine in France and the central and southern parts of the Continent generally, as well as in Sweden; dull over northern Russia, with snow at Archangel and Kuopio. Rain falling during day over the whole of our Islands and their immediate neighbourhood; slight thunderstorm occurring in London at midday.

Temperature risen in the eastern and southern parts of England and the neighbouring parts of the Continent, but fallen in most other localities. Morning readings highest 61° at Barcelona and 59° at Algiers, La Calle and Tunis; above 55° at most of the Mediterranean and Spanish coast stations, and above 50° in many parts of our Islands. Lowest, 16° at Haparanda, 22° at Hernösand, 28° at Hangö and Kuopio, and 30° at Archangel. Rising during day to 55° and upwards in many parts of the United Kingdom, to 60° at Donaghadee, and to 61° in London. Exceeding 65° over France and the Spanish Peninsula, and reaching 70° at Paris and Lyons, and 73° at Lisbon.

Wind fresh to strong from the W.ward in Ireland and from the SW.ward over England; light to moderate from the S.ward in Scotland, and from the SE.ward in the west of Norway. N.ly over Sweden and northern Russia, but W.ly or SW.ly in the south of Russia. Variable in the south of France and northern Italy; E.ly or NE.ly over the Spanish Peninsula. Subsequently backing to the S.ward on our western coasts, and increasing to a gale in the south of Ireland.

Barometer highest 30·3 in: and upwards over the Gulf of Bothnia, and also over Italy, the south of France, and the Spanish Peninsula; 30·1 in: and upwards in an anticyclone covering the whole of central and southern Europe, and extending northwards over the Baltic, Sweden, and Finland. Lowest 29·4 in: and less, in a depression lying to the northward of the Hebrides; 29·7 in: and less, in another disturbance over Central Russia. Small secondary disturbance forming later over the North Sea; new depression approaching our western 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 11th April, 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 ...	30·03	21	N	2	o	30·01	− ·11	27	26	+ 10	N	2	o	#	o	#	34	5	—
	Hernösand ...	30·01	19	Z	0	b	29·92	− ·20	21	19	+ 4	NE	2	o	#	b	#	39	5	—
	Stockholm ...	29·96	29	Z	0	b	29·77	− ·29	28	26	0	E	2	b	#	b	#	37	25	—
	Wisby	29·95	30	NNE	4	b	29·72	− ·30	33	31	− 1	SE	4	bc	#	b	#	36	28	—
	Karlstad ...	29·88	35	NE	2	o	29·69	− ·33	30	27	− 4	E	2	o	#	o	#	#	#	—
	Bodö	29·88	34	E	8	b	29·75	− ·21	33	31	0	E	8	b	2	b	#	36	30	—
	Christiansund ...	29·99	48	SE	3	c	29·40	− ·29	45	39	+ 1	SSW	3	c	3	c	#	54	43	—
	Skudesnaes ...	29·99	41	ESE	6	r	29·40	− ·31	36	35	− 7	ENE	4	r	3	r	#	45	34	#
	Færder (Christiania Fjord)	29·79	38	E	2	o	29·53	− ·42	31	31	− 5	ENE	6	s	3	o	#	37	30	—
	Skagen (The Scaw)	29·72	38	SSE	6	r	29·36	− ·54	35	35	− 4	SSE	6	r	2	r	#	41	32	0·55
	Fanö	?	45	SW	4	r	29·42	− ·39	43	42	− 1	WSW	6	c	#	r	#	48	43	0·32
British Islands.	Sumburgh Head	29·12	49	SSE	4	c	29·20	− ·05	46	45	+ 2	SSE	1	o	5	c	#	51	40	0·07
	Stornoway ...	29·02	50	WSW	4	o	29·17	+ ·13	45	44	− 4	WSW	5	r	5	o	0·5	50	43	0·20
	Wick	29·16	51	SW	3	b	29·24	+ ·06	47	45	− 1	NW	2	bc	2	b	#	57	43	—
	Nairn	29·13	50	SW	2	b	29·27	+ ·09	50	45	− 5	SW	3	bc	3	b	#	59	43	—
	Aberdeen ...	29·19	51	SW	4	bcq	29·32	·00	53	45	+ 3	WSW	3	b	2	bcq	7·2	60	42	—
	Leith	29·29	52	WSW	2	r	29·42	+ ·09	51	46	− 3	WSW	4	cmv	#	r	#	61	45	0·11
	Shields	29·34	53	SSW	4	c	29·51	+ ·02	52	48	− 1	WSW	3	c	2	c	#	59	46	—
	Spurn Head ...	29·45	52	SW	5	c	29·62	+ ·02	50	47	− 1	WSW	4	cp	3	cp	#	56	45	0·05
	York	29·44	51	SW	4	cp	29·60	+ ·05	49	45	− 6	SW	1	cp	#	c.tp	3·1	58	44	0·04
	Loughborough ...	29·54	53	SW	6	bc	29·69	+ ·03	50	46	− 4	SW	4	bc	#	opq.bc	#	59	45	0·04
	Ardrossan ...	29·28	46	SSW	4	p	29·45	+ ·11	47	46	− 3	SSW	4	op	3	p	#	51	45	0·07
	Malin Head ...	29·19	49	WSW	6	cmv	29·37	+ ·18	47	45	− 4	SW	7	cpmv	4	o.cmv	#	54	44	0·12
	Belmullet ...	29·33	50	WSW	6	b	29·48	+ ·17	50	46	− 2	W	3	bc	#	b	#	54	43	0·06
	Donaghadee ...	29·32	50	SW	6	c	29·52	+ ·12	49	47	− 3	WSW	6	b	4	c	#	55	44	0·14
	Liverpool (Bidston)	29·46	50	SW	7	c	29·62	+ ·05	51	46	− 1	SW	3	bc	4	r.c	#	56	46	—
	Holyhead ...	29·45	49	SW	7	cpqm	29·61	+ ·07	49	48	+ 1	SW	3	cmv	2	cmpq	#	52	45	0·01
	Parsonstown ...	29·44	50	W	3	c	29·54	+ ·07	49	47	− 4	SE	1	o	#	c.pq.c	5·6	56	45	0·07
	Valencia ...	29·57	52	SW	7	cmv	29·51	+ ·03	45	44	− 8	SW	1	rmq	4	tlr.cmv	2·5	53	44	0·48
	Roche's Point ..	29·59	52	W	6	cq	29·61	+ ·02	48	48	− 4	SSW	4	r	4	cq	#	54	46	0·25
	Pembroke (St. Ann's Hd.)	29·59	50	W	6	bc	29·69	+ ·03	48	48	0	SW	5	ogm	5	bc	3·6	50	47	0·05
	Scilly	29·81	53	WSW	6	c	29·75	+ ·01	51	50	0	S	5	cmv	6	c	5·6	55	49	0·14
	Prawle Point ...	29·80	49	WSW	6	bc	29·82	+ ·03	50	49	0	SW	4	c	4	rf.bc	#	51	47	0·16
	Jersey (St. Aubin's)	29·91	54	WSW	5	bcmv	29·94	− ·01	52	50	− 1	SSW	5	bcmv	5	r.bcmv	#	57	48	0·21
	Hurst Castle ...	29·77	50	WSW	5	bmv	29·84	+ ·01	49	48	− 1	SW	4	cmv	3	r.bmv	#	51	48	0·03
	Dungeness ...	29·72	49	SW	5	bcp	29·83	− ·02	48	47	− 1	WSW	5	o	4	o.bcp	#	50	46	0·01
	North Foreland	29·70	53	SW	6	b	29·82	− ·01	49	47	− 3	SW	4	c	2	o.b	#	54	46	—
	London (Brixton) ...	29·68	55	WSW	3	c	29·80	+ ·01	51	47	− 2	SW	4	c	#	cp.bc.o	1·4	57	46	0·04
	Oxford	29·68	49	SW	6	b	29·77	+ ·04	50	47	− 3	SW	3	o	#	opq.b	#	56	46	0·10
	Cambridge ...	29·61	53	SW	1	r	29·75	+ ·01	51	48	− 2	SW	3	c	#	r	1·5	58	44	0·10
	Yarmouth ...	29·58	53	WSW	4	c	29·70	− ·04	51	48	− 2	WSW	5	bc	3	p.c.b	#	57	45	0·04
Germany & Holland.	Cuxhaven ...	29·72	50	S	5	r	29·58	− ·29	47	47	0	WSW	6	o	#	r	#	54	46	0·28
	Berlin	29·85	53	SW	2	r	29·68	− ·21	51	47	+ 1	WNW	4	b	#	r	#	59	49	0·28
	Wiesbaden ...	#	#	#	#	#	29·95		51	47		SW	3	o	#	#	#	63	49	0·24
	Munich... ..	30·03	52	SW	3	c	30·02	− ·16	47	47	− 3	W	5	c	#	c	#	57	47	0·24
	The Helder ...	29·61	48	SW	5	r	29·67	− ·17	48	46	0	WSW	4	b	2	r	#	50	46	—
Belgium.	Brussels ...	#	#	#	#	#	29·89 ?	− ·09 ?	50	48	− 2	SW	4	o	#	b	#	57	47	0·08
	Cape Gris Nez...	29·75	49	WSW	5	o			48	46	− 2	W	5	o	5	o	#	50	36	0·04
	Paris	29·94	58	SW	4	c	30·04	− ·05	48	46	− 6	SSW	3	bc	#	c	#	64	45	0·12
	Brest	29·97	53	SW	5	bc	29·96	+ ·01	50	50	− 2	SW	4	bc	5	bc	#	54	48	0·04
	Lorient... ...	30·04	53	W	5	bc	30·02	− ·01	50	50	− 4	WSW	3	bc	5	bc	#	61	46	—
France &	Rochefort ...	30·17	55	WSW	4	o	30·16	− ·07	51	50	− 2	SSW	3	c	#	o	#	61	48	—
	Belfort	30·02	58	WSW	6	o	30·07	− ·09	48	46	− 2	W	5	bc	#	o	#	65	36	0·04
	Lyons	29·99	63	WSW	1	o	30·14	− ·11	53	51	0	N	1	bc	#	o	#	71	52	0·04
	Nice	30·08	55	Z	0	bc	30·02	− ·18	52	50	0	E	1	o	1	bc	#	64	50	—
	Perpignan ...	30·14	65	NE	1	o	30·14	− ·13	60	54	+ 8	W	2	bc	#	o	#	75	52	—
	Biarritz ...	30·22	60	W	4	o	30·07	− ·12	56	54	+ 3	ESE	2	o	4	o	#	70	53	—
Penin-sula.	Corunna ...																#			
	Lisbon	30·31	59	NNW	4	b	30·26	− ·10	57	55	− 3	NNW	3	o	#	b	#	75	54	—
	Azores (P. Delgada)	30·34	61	WSW	2	o	30·33	+ ·01	61	59	− 1	WNW	2	c	2	o	#	64	59	0·04

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

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

Bright Sunshine yesterday Southport 2·2 hrs;

WEATHER CHARTS

FOR Monday, 11th April, 1898

BAROMETER, WIND AND SEA.

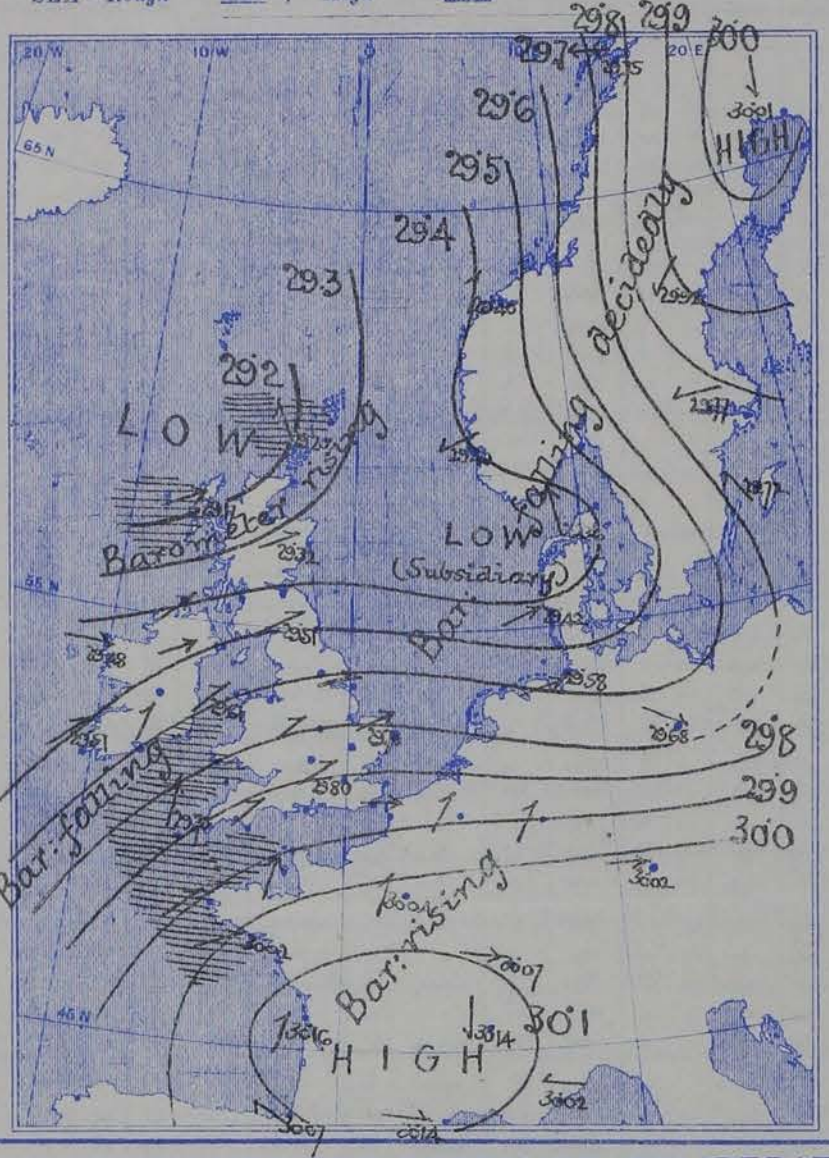
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

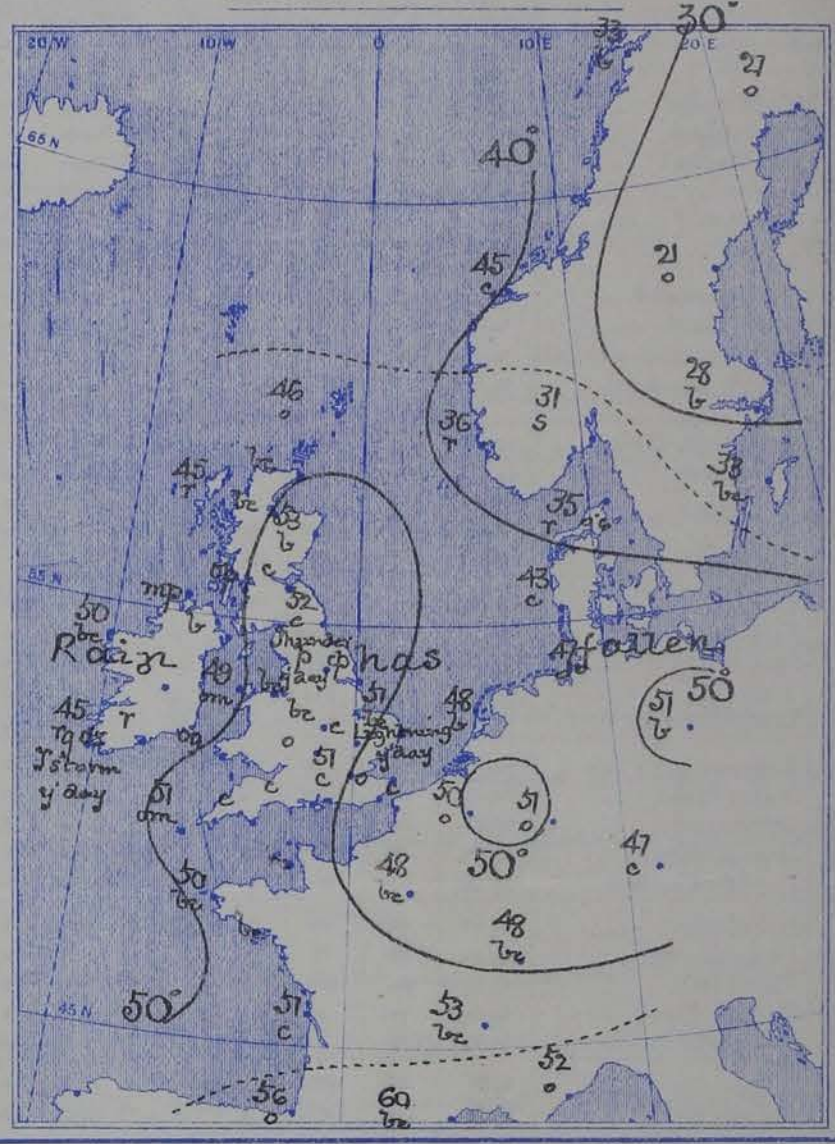


TEMPERATURE & WEATHER.

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 APRIL.

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone lying over France, 30.0 ins. and upwards in another system over Lapland.
Lowest 29.2 ins. and less in a depression lying off the N. of Scotland, 29.4 ins. and less in a well marked secondary system over the N. of Denmark.
Gradients moderate to rather steep over our Islands generally, and also over Scandinavia but slight elsewhere.
Barometer rising over the Nn. parts of our Islands and also over central France, falling elsewhere.

TEMPERATURE

Highest 60° at Perpignan, 56° at Biarritz, 53° at Aberdeen, and 52° at Shields Jersey and Nice.
Lowest 21° at Haparanda, 27° at Haparanda, 28° at Stockholm, and 30° at Karlstad; lowest in our islands 45° at Stornoway and Valencia (Ireland)
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom to 60° at Aberdeen and to 61° at Leith.

WIND

SW^ly. over our Islands and the neighbouring parts of the Continent, and fresh or strong in force as several of our western stations.
E^ly. in Scandinavia, with a gale at Bodö; light and variable over the south of France.

WEATHER

Cloudy and unsettled over W^rn Europe as a whole, with rain in the S. of Ireland as well as in the Hebrides, the N. of Denmark and the S. of Norway, and with passing showers in many other localities: snow was falling at Faeroe.
Fine in the E. of Scotland, and also in the S. of Sweden and the central parts of France & Germany.
Since yesterday morning rain has fallen in most parts of W^rn Europe. A thunderstorm occurred yesterday at Valencia (Ireland), thunder only at York and lightning at Yarmouth.

SEA

Rather rough on our S^rn and eastern N^rn coasts; but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is approaching our SW. coasts, and is likely to cause rainy unsettled weather in many parts of the United Kingdom, with a considerable increase of wind on our W^rn and S^rn coasts.

FORECASTS

For the 24 hours ending at NOON on 12TH APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly to S^ly winds, changeable, showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	S^ly and SW^ly winds increasing in force; fair at first then squally and rainy.
4	MIDLAND COUNTIES	
▼ 5	ENGLAND SOUTH	
▲ 6	SCOTLAND WEST	S^ly and SW^ly to W^ly strong winds or gales; rain at times.
▲ 7	ENGLAND N.W.	
▲ 8	ENGLAND S.W.	
▲ 9	IRELAND NORTH	
▲ 10	IRELAND SOUTH	
	WARNINGS	The South Cone is still flying in districts 5 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.62	44	41	SE	7	0	7
Sumburgh Head							
Stornoway	29.00	49	47	WSW	6	0	6
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.19	52	48	S	6	0	4
Belmullet							*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.88	56	54	SSW	4	p	4
Hurst Castle ...							
Dungeness ...	29.75	50	49	SSW	5	0	4
North Foreland	29.73	53	52	SSW	6	0	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.18	60	55	SW	3	0	*

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

Continental information not received

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 3RD TO 9TH APRIL.

At the beginning of last week the weather over NW. Europe was influenced by a large depression which passed E. across the N. of Scandinavia and by a secondary system which traversed the S. parts of that peninsula, moderate to fresh W. to NW. winds being experienced over our Islands, with rain in all but the S. districts.

As the disturbances in the N. moved away a large anticyclone spread over us from the S. and the wind became light and rather variable with fine weather on all but our extreme NW. and N. coasts. Temperature was slightly above the average in the daytime, but low at night, with very sharp ground frosts over England on the nights of the 4th and 5th.

After the 5th the anticyclone passed away temporarily to the SE. while large depressions again skirted our extreme NW. and N. coasts and travelled on to Scandinavia the wind in our Islands becoming SW. with a little rain in most of the W. and N. districts. Temperature now rose generally and became high for the time of year, the change being especially noticeable in the night readings.

During the after part of the 7th the anticyclone again spread N. over Gt. Britain and the weather became extremely fine and warm in nearly all places, the thermometer on the 8th rising to a maximum of 65° and upwards at many of the English stations. The change did not, however, last long. On the night of the 8th the centre of a rather deep depression moved N. outside our W. coasts, the system spreading out in the meantime rapidly to the E. and occasioning very showery weather over the whole Kingdom, with thunderstorms in some parts of England.

On our W. and S. coasts the wind blew very strongly from between S. and W. and in the S. of Ireland reached the force of a gale. At the close of the week temperature was still high for the time of year, but over England the maximum readings of the 9th were several degrees lower than those of the previous day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 12th April, 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.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	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 ...	30·02	27	NE	2	0	30·05	+·04	29	28	+ 2	NE	2	O	*	O	*	34	16	-
	Hernösand ...	29·92	27	NE	4	0	29·91	-·01	29	28	+ 1	NE	2	S	*	C	*	30	7	-
	Stockholm ...	29·79	30	2	0	c	29·82	+·05	33	32	+ 5	ENE	4	c	*	c	*	34	17	-
	Wisby	29·71	31	SE	4	0	29·76	+·04	33	31	0	SE	4	O	*	O	*	36	21	-
	Karlstad ...	29·73	31	NE	2	0	29·76	+·07	31	29	+ 1	NE	2	S	*	O	*	*	*	-
	Bodö	29·88	32	E	6	b	30·03	+·28	32	27	- 1	E	4	b	1	b	*	36	27	-
	Christiansund ...	29·54	44	SSE	9	c	29·56	+·16	37	32	- 8	SSE	3	bc	3	C	*	48	36	-
	Skudesnaes ...	29·56	37	SE	6	O	29·59	+·19	36	33	0	SE	6	O	4	O	*	39	32	*
	Færder (Christiania Fjord)	29·66	31	NE	5	S	29·72	+·19	30	28	- 1	ENE	5	O	3	S	*	31	28	0·71
	Skagen (The Scaw)	29·51	34	SE	5	3	?	?	32	31	- 3	E	4	O	1	S	*	37	30	0·39
	Fanö	29·57	43	NNW	4	c	29·58	+·11	39	37	- 4	?	4	c	*	c	*	48	39	-
British Islands.	Sumburgh Head	29·80	45	SW	1	O	29·42	+·22	46	44	0	W	3	b	4	O	*	51	42	0·04
	Stornoway ...	29·81	49	W	4	bc	29·50	+·33	41	40	- 4	WSW	2	bc	2	r q, bc	4·6	49	35	0·15
	Wick	29·80	50	NW	3	bc	29·50	+·26	46	44	- 1	NW	3	bc	2	bc	*	55	35	-
	Nairn	29·88	48	WSW	2	bc	29·55	+·28	45	43	- 5	W	1	b	1	bc	*	56	35	-
	Aberdeen ...	29·89	52	NW	2	bc	29·54	+·22	48	42	- 5	NW	4	bc q	3	bcq.p	7·6	60	40	0·01
	Leith	29·93	50	WSW	3	O	29·58	+·16	49	44	- 2	W	3	bcm	*	O	*	59	41	0·01
	Shields	29·97	53	S	3	O	29·54	+·03	44	43	- 8	WNW	3	O	2	e.o.r	*	58	42	0·18
	Spurn Head ...	29·93	46	SSE	2	r	29·97	-·15	43	43	- 7	NW	4	r	3	c.p.r	*	58	42	0·38
	York	29·92	50	S	1	p	29·98	-·02	42	41	- 7	WNW	1	r	*	p.r	0·8	56	40	0·97
	Loughborough ...	29·90	49	SSE	2	r	29·99	-·10	43	42	- 7	NW	3	qp	*	c q p	*	56	42	0·48
	Ardrossan ...	29·93	49	SSW	3	om	29·61	+·16	48	45	+ 1	WNW	4	b	3	bc.om	*	50	43	-
	Malin Head ...	29·94	48	NW	4	bm	29·64	+·27	45	44	- 2	SW	4	qp	2	b, bm	*	51	43	0·02
	Belmullet ...	29·95	48	WNW	4	b	29·73	+·25	47	44	- 3	WSW	3	r	*	c, b	*	50	40	0·01
	Donaghadee ...	29·97	47	W	3	p	29·70	+·18	45	43	- 4	WNW	4	b	2	p	*	54	39	0·15
	Liverpool (Bidston)	29·93	47	E	2	r	29·67	+·05	45	42	- 6	WNW	6	b	5	c.r	*	55	43	0·76
	Holyhead ...	29·90	45	NE	2	q r m	29·73	+·12	47	44	- 2	WNW	5	b	4	2m.mr	*	51	42	0·49
	Parsonstown ...	29·97	46	N	0	O	29·79	+·25	46	43	- 3	N	0	b	*	r, o. b	0·0	50	37	0·20
	Valencia ...	29·66	48	WNW	5	c q	29·84	+·33	49	45	+ 4	WSW	3	bc	4	o.c q	3·2	51	43	0·32
	Roche's Point ...	29·95	48	NNW	6	c	29·85	+·24	45	42	- 3	W	3	b	3	r.c	*	52	41	0·85
	Pembroke (St. Ann's Hd.)	29·90	47	WSW	4	r	29·82	+·13	46	43	- 2	NW	3	b	4	or	0·0	49	42	0·48
	Scilly	29·99	50	WNW	8	c	2 ·91	+·16	54	50	+ 3	W	4	c	5	o p, r. c	1·9	55	47	0·04
	Prawle Point ...	29·91	46	SW	7	O	29·86	+·04	47	44	- 3	NNW	6	bc	5	o q p	*	50	42	0·07
	Jersey (St. Aubin's)	29·61	54	S	5	o g m p	29·88	-·06	50	46	- 2	NNW	6	bcm	5	o. g m p	*	58	46	0·03
	Hurst Castle ...	29·97	49	S	5	p	29·75	-·09	48	45	- 1	WNW	6	bc	3	o m. p	*	53	45	0·06
	Dungeness ...	29·93	49	SW	4	c	29·55	-·28	46	43	- 2	NNW	7	o q	6	c	*	53	43	0·03
	North Foreland	29·84	49	SSE	3	c	29·46	-·36	44	42	- 5	W	8	r	5	c	*	55	42	0·15
	London (Brixton) ...	29·94	53	SSW	4	O	29·59	-·21	44	42	- 7	WNW	4	O	*	bc, o, q r	2·7	61	43	0·16
	Oxford	29·90	48	SSE	4	O	29·65	-·12	45	42	- 5	WNW	3	O	*	bc. r q	*	57	42	0·28
	Cambridge ...	29·94	53	S	1	O	29·52	-·23	44	43	- 7	NNW	5	O	*	c. o	3·6	61	41	0·09
	Yarmouth ...	29·99	55	SW	4	c	29·39	-·31	48	46	- 3	NW	3	c	3	bc. c	*	59	44	0·01
Germany & Holland.	Cuxhaven ...	29·66	47	W	4	bc	29·50	-·08	44	44	- 3	S	1	O	*	bc	*	48	43	-
	Berlin	29·70	48	N	4	c	29·64	-·04	46	45	- 5	SW	2	b	*	c	*	55	41	0·32
	Wiesbaden ...	*	*	*	*	*	29·61	-·34	44	42	- 7	NW	1	r	*	*	*	59	41	0·16
	Munich	29·87	51	SW	3	b	29·73	-·29	44	43	- 3	W	3	O	*	b	*	59	37	0·04
	The Helder ...	29·65	46	SW	2	b	29·37	-·30	48	46	0	SE	1	O	1	b	*	50	43	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·47	-·42	43	42	- 7	SW	3	r	*	c	*	58	42	0·04
	Cape Gris Nez ...	?	54	S	3	bc	?	?	46	43	- 2	WNW	6	O	?	bc	*	54	?	-
	Paris	29·78	59	SW	4	c	29·77	-·27	48	43	0	WSW	5	O	*	c	*	63	45	0·04
	Brest	29·72	50	WNW	5	bc	29·95	-·01	48	45	+ 2	WNW	5	bc	5	c	*	52	45	-
	Lorient	29·74	51	WNW	6	r	29·99	-·03	49	45	- 1	NW	5	bc	6	r	*	59	41	0·04
France &	Rochefort ...	29·91	54	SSW	4	r	30·06	-·10	50	46	- 1	W	5	c	*	o. r	*	59	46	0·28
	Belfort	29·82	54	W	3	c	29·81	-·26	44	41	- 4	W	8	O	*	c	*	62	43	-
	Lyons	29·86	61	E	1	O	29·99	-·15	48	42	- 5	NNW	1	bc	*	O	*	68	46	0·04
	Nice	29·91	65	N	0	O	29·69	-·33	55	50	+ 3	N	0	c	2	O	*	64	50	-
	Perpignan ...	29·91	61	NE	2	b	29·99	-·15	54	47	- 6	NW	4	c	*	b	*	72	53	-
	Biarritz ...	29·93	58	NNE	2	r	30·06	-·01	54	49	- 2	WNW	4	c	4	r	*	70	52	0·16
Peninsula.	Corunna ...																*			
	Lisbon	30·22	60	W	3	O	30·18	-·08	57	55	0	NNW	4	O	*	O	*	66	55	-
	Azores (P. Delgada)	30·37	57	NE	2	bc	30·28	-·05	58	56	- 3	W	3	bc	3	bc	*	64	55	0·08

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

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

Bright Sunshine yesterday Southport 2·4 hrs;

WEATHER CHARTS

FOR Tuesday, 12th April, 1898

BAROMETER, WIND AND SEA.

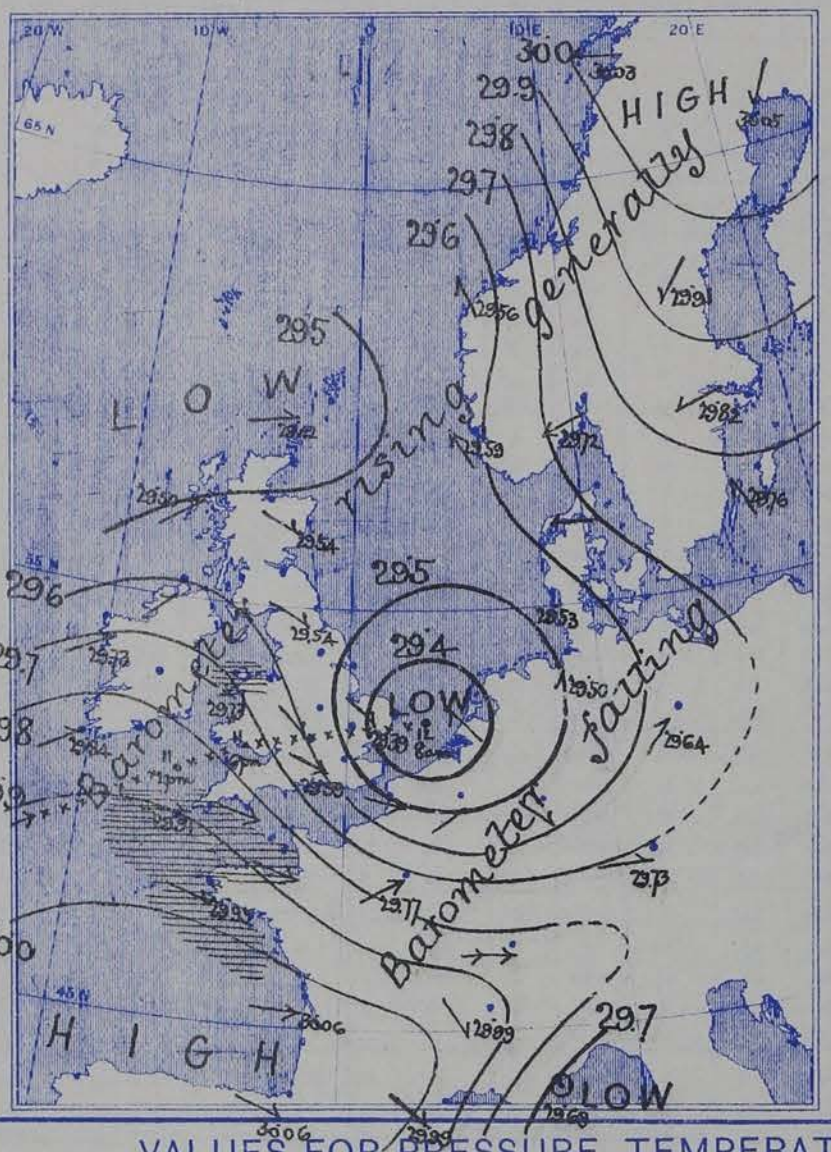
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▨

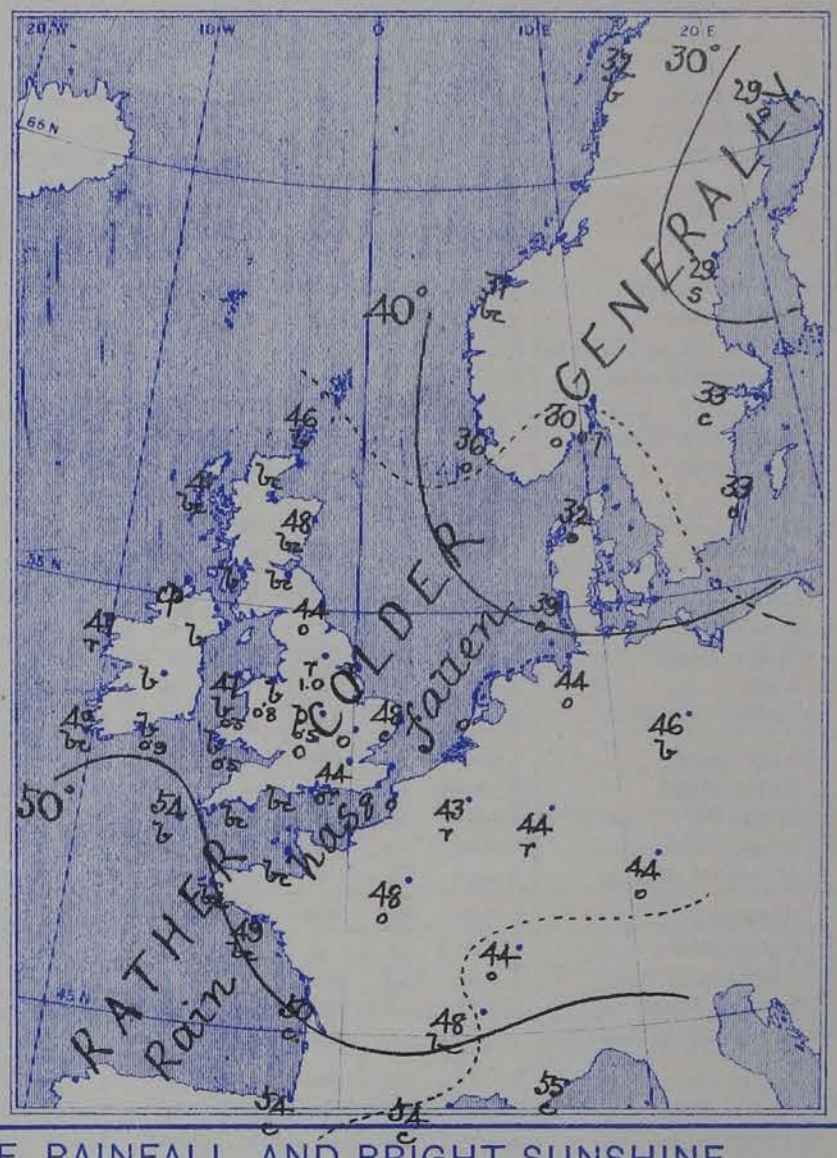


TEMPERATURE & WEATHER.

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 APRIL.

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 in: and more to 29·9 in: (1) over Spain, the Bay of Biscay, and west of France, and (2) over Lapland and the northern part of Norway and Sweden.
Lowest, Below 29·5 in: over the Shetlands and the north of Scotland, and below 29·4 in: in a small but well developed depression near the Helder.
Gradients rather steep for NW^{ly} winds over England and the Channel.
Barometer rising over our Islands generally – most over England.

TEMPERATURE

Highest, 55° at Nice, 54° at Biarritz and Scilly, 50° at Jersey, 49° at Valencia (Ireland).
Lowest (1) 29° to 32° over the northern part of Scandinavia; (2) 41° at Stornoway, 42° at York, 44° at Cambridge.
It has fallen a good deal over England during the night after rising to between 55° and 61° during yesterday.

WIND

Light from W. and NW. in Scotland, fresh from SE. and E. in Norway; NW^{ly} and strong over England, SW^{ly} to S^{ly} over the Netherlands, W^{ly} in France; Light NW^{ly} over Spain.
It has blown a gale from the Wrd over the English Channel during the night.

WEATHER

Fine at all our northern and western stations, dull, equally and rainy over the eastern half of England and the northern parts of France; fine over the Bay of Biscay.
Rain has fallen at almost all stations – heavily in the south of Ireland, Wales, and the north of England.
Bright Sunshine recorded yesterday amounted to between 3 and 4 hours over most of the southern parts of our Islands, and to 7·6 hours at Aberdeen; at our eastern stations, however, there was none.

SEA

Rough in the Channel and off Ushant, moderate in the west and north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression in the east passes off the weather over England will clear up. There is no reason, however, to expect settled fine weather yet.

FORECASTS

For the 24 hours ending at NOON on 13th April, 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^{ly} to S^{ly} winds; becoming showery again. Mild.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No 5
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	NW^{ly} breezes, moderating, with clearing weather; then backing to SW, milder and less fair.
6 SCOTLAND WEST	SW^{ly} and S^{ly} winds, increasing in force; fair, milder, then rainy again.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED AT PRESENT

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 ...	29.50	50	46	SE	4	o	3
Sumburgh Head	29.27	48	47	Sw	1	o	4
Stornoway	29.26	49	46	w	4	r	4
Aberdeen	29.35	60	49	Sw	4	bcq	2
Shields	29.50	56	49	wSw	3	c	2
Ardrossan	29.45	50	49	SSw	4	bc	3
Malin Head ...	29.42	50	47	nw	4	b	2
Belmullet	29.52	50	44	wnw	3	c	*
Holyhead	29.53	47	47	S	2	dm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.55	50	46	nw	4	o	5
Scilly	29.44	53	51	SSw	7	op	6
Jersey	29.76	58	53	SSw	4	o	4
Hurst Castle ...	?29.69	52	49	SSw	4	om	3
Dungeness ...	29.77	52	49	SSw	4	c	3
North Foreland	29.75	55	49	Sw	5	c	3
London (Westminster)	29.70	57	51	Sw	4	o	3 *
Yarmouth	29.67	59	52	Sw	4	bc	
Rochefort ...	29.93	59	55	Sw	3	o	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 13th April, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. 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 ...	30·14	23	NE	2	b	30·30	+·25	21	18	- 8	NE	2	b	*	b	*	34	18	-
	Hernösand ...	30·11	30	N	0	0	30·28	+·37	27	25	- 2	NE	2	b	*	0	*	34	23	-
	Stockholm ...	30·03	30	E	4	c	30·20	+·38	31	30	- 2	NNE	4	b	*	c	*	36	27	-
	Wisby	29·94	30	SE	4	b	30·12	+·36	37	32	+ 4	ESE	4	b	*	b	*	37	27	-
	Karlstad ...	29·96	32	NNE	2	b	30·19	+·43	31	29	0	NNE	2	b	*	b	*	*	*	-
	Bodö	30·07	?32	E	4	b	30·11	+·08	?32	29	0	E	6	b	2	b	*	37	27	-
	Christiansund ...	29·66	41	SE	4	o	29·97	+·41	44	39	+ 7	SE	1	c	3	o	*	45	36	-
	Skudesnaes ...	29·85	37	SSE	6	o	30·09	+·50	37	35	+ 1	SSE	4	o	4	o	*	37	32	*
	Færder (Christiania Fjord)	29·89	36	E	2	o	30·16	+·44	34	31	+ 4	E	4	b	2	o	*	36	30	-
	Skagen (The Scaw)	29·91	36	E	3	c	30·10	?	34	32	+ 2	E	3	b	o	c	*	36	32	-
	Fanö	29·79	40	NE	4	o	29·99	+·46	37	35	- 2	NE	4	c	*	o	*	45	36	-
British Islands.	Sumburgh Head	29·87	46	N	2	b	29·71	+·29	46	44	0	SSE	4	bc	5	b	*	50	41	-
	Stornoway ...	29·56	48	NNW	4	c	29·42	-·08	47	45	+ 6	SSW	7	r	7	c	10·0	52	38	0·05
	Wick	29·62	48	SW	2	c	29·63	+·13	45	43	- 1	S	5	o	3	c	*	55	40	-
	Nairn	29·66	48	W	3	bc	29·62	+·07	45	45	+ 4	SSW	2	c	1	bc	*	55	38	-
	Aberdeen ...	29·70	45	SSE	2	c	29·78	+·24	46	43	- 2	SE	5	cq	4	bcq.p.c	5·8	56	38	-
	Leith	29·73	49	W	3	o	29·75	+·17	47	43	- 2	S	1	o	*	o	*	59	43	-
	Shields	29·77	48	NE	1	c	29·89	+·35	44	42	0	S	3	cm	2	c	*	50	39	-
	Spurn Head ...	29·80	45	NNW	4	c	29·99	+·52	48	45	+ 5	S	3	c	3	r.c	*	48	40	0·14
	York	29·73	53	W	3	b	29·96	+·38	42	40	0	S	1	bc	*	b	5·0	56	35	0·01
	Loughborough ...	29·85	51	NNW	3	b	29·99	+·40	43	41	0	SE	2	cwu	*	eq.bm.c	*	53	33	0·01
	Ardrossan ...	29·73	48	SSW	2	b	29·63	+·02	48	47	0	SSE	5	rm	4	b	*	54	45	0·03
	Malin Head ...	29·67	50	W	4	bm	29·44	-·20	46	46	+ 1	SSW	6	o	3	bc.bm	*	51	45	0·02
	Belmullet ...	29·70	51	SSW	6	o	29·52	-·21	49	45	+ 2	WSW	4	o	*	bcp.o	*	52	40	0·40
	Donaghadee ...	29·79	52	WSW	3	b	29·63	-·07	48	48	+ 3	SSW	8	r	5	b	*	58	44	0·01
	Liverpool (Bidston)	29·86	49	NNW	2	b	29·88	+·21	45	42	0	SE	4	o	3	b	*	55	39	-
	Holyhead ...	29·85	48	SW	3	bcm	29·77	+·04	48	47	+ 1	S	7	ou	5	b,bcm	*	52	44	-
	Parsonstown ...	29·78	54	S	1	bc	29·56	-·23	46	45	0	S	1	r	*	b,r	10·5	57	45	0·50
	Valencia ...	29·77	52	S	4	c	29·56	-·28	45	44	- 4	SSW	3	rm	4	bc.r	9·6	55	44	1·00
	Roche's Point ...	29·88	51	SW	4	bc	29·63	-·22	50	50	+ 5	SSW	8	r	5	bc	*	55	44	0·15
	Pembroke (St. Ann's Hd.)	29·91	49	WSW	4	b	29·82	-·00	49	48	+ 3	SW	5	oq	4	b	11·4	51	45	-
	Scilly	29·99	52	SSW	3	b	29·88	-·03	52	50	- 2	SSW	5	c	4	b	11·0	56	48	0·06
	Prawle Point ...	29·97	49	WSW	4	c	30·00	+·14	48	47	+ 1	SSW	4	c	3	c	*	53	45	-
	Jersey (St. Aubin's)	30·02	52	W	4	b	30·11	+·23	52	50	+ 2	SSW	3	bcm	3	b.m.bw	*	54	43	-
	Hurst Castle ...	29·93	53	WNW	3	b	30·05	+·30	50	48	+ 2	SW	4	cm	3	c.b	*	56	39	-
	Dungeness ...	29·81	51	WNW	5	c	30·07	+·52	48	45	+ 2	W	3	b	2	o.c	*	55	33	-
Germany & Holland.	North Foreland	29·81	47	WNW	5	o	30·07	+·61	46	43	+ 2	W	3	b	2	oq.b	*	49	37	0·08
	London (Brixton) ...	29·84	53	NW	3	bc	30·07	+·48	49	45	+ 5	SW	1	bc	*	c.bv	2·4	55	35	-
	Oxford	29·94	47	W	3	b	30·03	+·38	46	44	+ 1	SSE	2	bc	*	o.b	*	55	37	-
	Cambridge ...	29·82	51	NW	4	bc	30·06	+·54	43	42	- 1	SSW	1	bc	*	o,bc	0·3	53	32	0·06
	Yarmouth ...	29·72	45	NW	5	o	30·03	+·64	44	42	- 4	Z	0	b	4	r.o	*	49	36	0·30
	Cuxhaven ...	29·50	45	ENE	5	o	29·91	+·41	39	38	- 5	NE	4	op	*	o	*	48	37	0·24
	Berlin	29·58	49	SW	2	o	29·69	+·05	48	46	+ 2	?NE	2	o	*	9	*	59	45	0·04
	Wiesbaden ...	*	*	*	*	*	29·84	+·23	44	42	0	NW	2	o	*	*	*	50	43	0·08
	Munich	29·86	46	SW	4	c	29·86	+·13	39	37	- 5	W	7	r	*	c	*	52	39	0·16
	The Helder ...	29·60	44	N	3	r	30·00	+·63	43	40	- 5	NNW	2	o	2	r	*	50	41	0·12
Belgium. France &	Brussels ...	*	*	*	*	*	30·07	+·60	43	42	0	NW	3	o	*	r	*	44	41	0·71
	Cape Gris Nez ...	?	50	NW	5	c	?	?	45	42	- 1	NNW	2	b	2	c	*	54	39	-
	Paris	29·94	51	W	4	bc	30·14	+·37	44	42	- 4	WNW	3	c	*	bc	*	50	37	-
	Brest	30·05	54	W	3	b	30·05	+·10	50	49	+ 2	SSW	3	bc	3	b	*	55	46	-
	Lorient	30·07	53	W	4	bc	30·15	+·16	50	48	+ 1	SW	3	b	4	bc	*	59	45	-
	Rochefort ...	30·14	54	NW	4	bc	30·19	+·13	49	48	- 1	NW	2	b	*	bc	*	57	45	-
	Belfort	29·89	44	W	4	c	30·04	+·23	37	36	- 7	NSW	4	r	*	c	*	54	37	0·04
	Lyons	30·00	53	NNW	2	bc	30·18	+·19	45	41	- 3	NW	2	b	*	bc	*	58	42	0·04
	Nice	29·65	59	S	1	b	29·86	+·17	53	40	- 2	E	4	b	1	b	*	73	50	-
	Perpignan ...	30·04	57	NW	4	bc	30·18	+·19	51	45	- 3	NW	3	b	*	bc	*	64	45	-
	Biarritz ...	30·13	56	NW	3	b	30·16	+·10	50	47	- 4	S	3	b	5	b	*	59	46	-
Peninsula.	Corunna ...																*			
	Lisbon	30·20	53	N	4	b	30·21	+·03	55	50	-2	NNW	4	b	*	o.b	*	61	50	—
	Azores (P. Delgada)	30·23	60	WSW	4	c	30·15	-·13	61	55	+3	WSW	5	c	4	bc.c	*	64	58	—

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

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

Bright Sunshine yesterday Southport..10·0. hrs;

WEATHER CHARTS

FOR Wednesday. 13th April 1898

BAROMETER, WIND AND SEA.

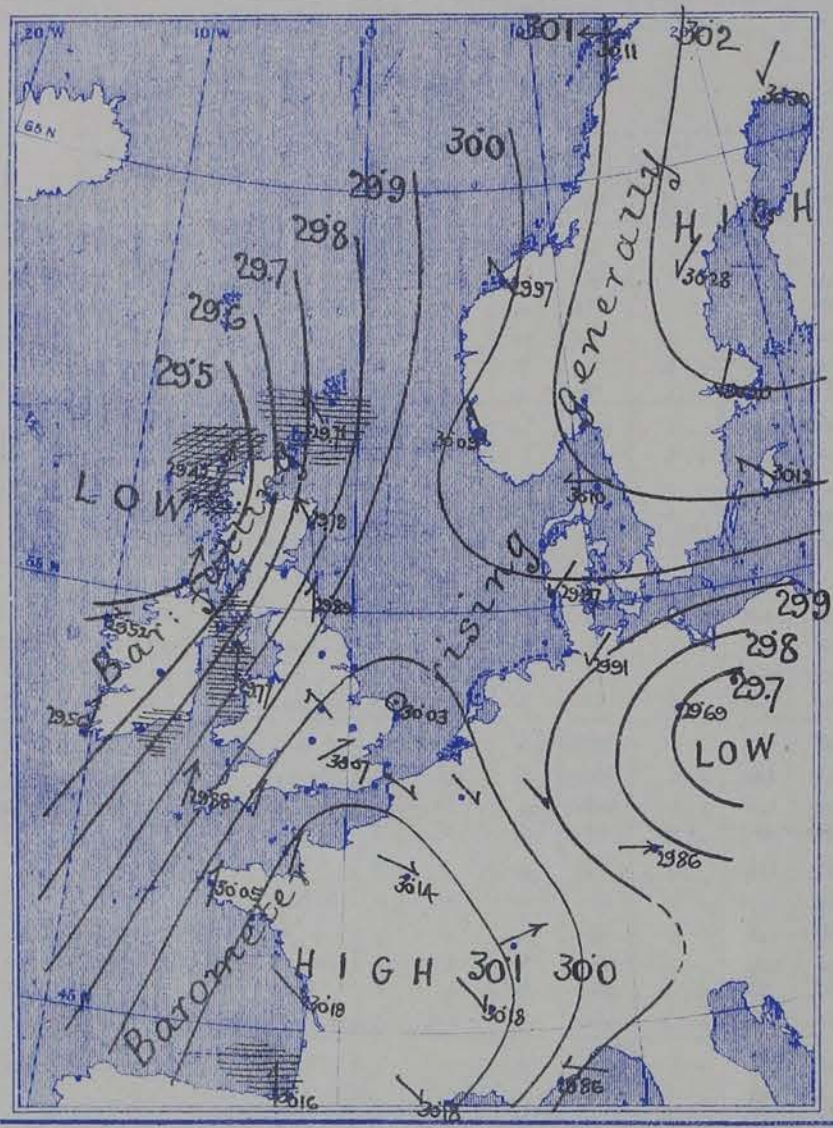
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▤

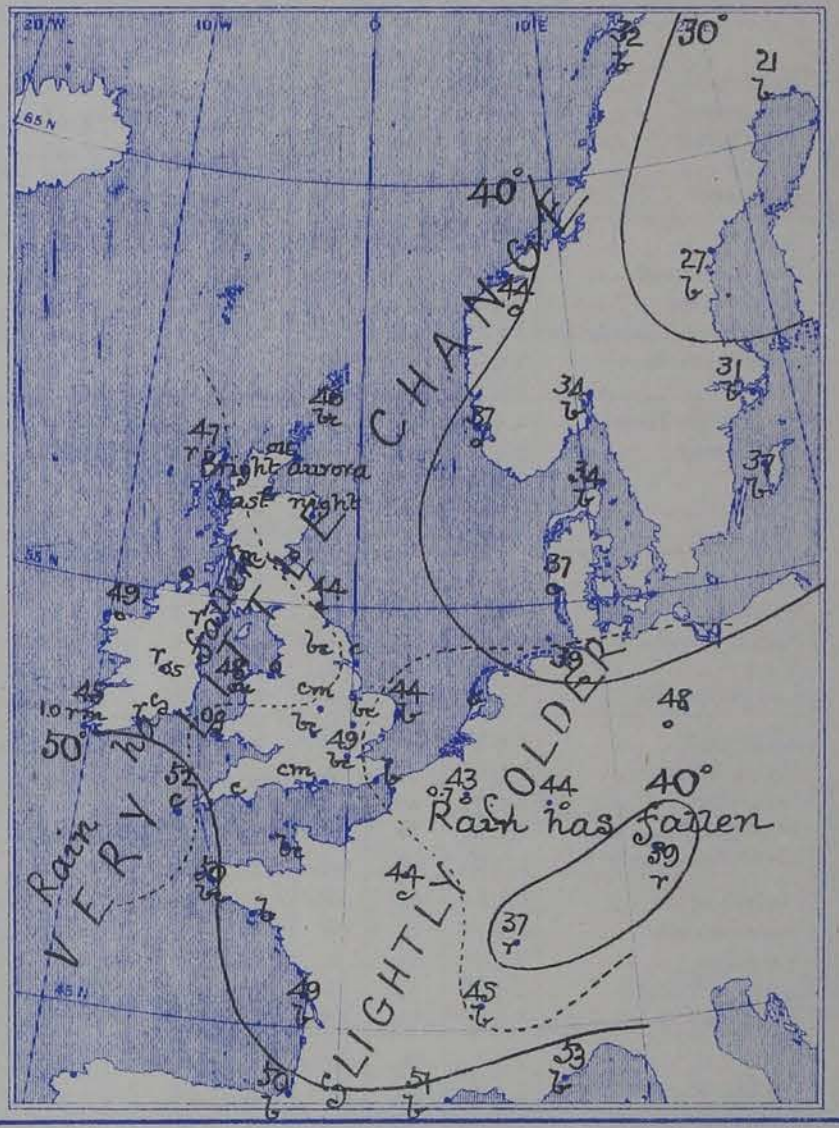


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.1 ins. and more to 30.0 ins. over Spain, France and the S.E. of England; (2) 30.0 ins. and more to 30.0 ins. over Scandinavia and Denmark.
Lowest below 29.7 ins. over Germany, and below 29.5 ins. in a new depression off our extreme N.W. coasts.
Gradients steep over the western and northern parts of our Islands, moderate to slight elsewhere.
Barometer falling over Scotland, Wales and the W. of England, rising over the E. of England.

TEMPERATURE

Highest 53° to 50° on the S.W. and S. coasts of France, 52° at Scilly, 50° at Hurst Castle and at Roches Point.
Lowest 21° to 32° over the N.rn parts of Scandinavia, 31° at Karlstad & Stockholm, 42° at York, 43° at Cambridge. A sharp frost occurred on the grass over the inland parts of England early this morning. At Nairn the thermometer rose to 73° yesterday afternoon.

WIND

S.W. over almost the whole of our Islands – blowing a gale at several of our western and northwestern stations, but only a light breeze over the eastern half of England.
Over France it was moderate and anticyclonic.

WEATHER

Fine over France and the greater part of England, dull, rainy and squally along our W.rn coasts, rainy over Germany also.
An inch of rain has fallen at Valencia and half an inch at Parsonstown, smaller quantities in several other parts both of Ireland and England. Brussels reports 0.71 ins.
Bright Sunshine reported yesterday exceeded 11 hrs. at Scilly and Llandudno, and 10 hrs. at Parsonstown and Stornoway. At Cambridge there was only 0.3 hrs. Bright Aurora was seen in Scotland last night.

SEA

High at Stornoway, rough on our W.rn coasts generally, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The main depression in the N. is passing away to the N.E.ward, but the secondary off the S.W. of Ireland is likely to spread over England during the day, and to cause showery weather all over the country, and, in some places, thunderstorms.

FORECASTS

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

DISTRICTS.		FORECASTS.
▼	SCOTLAND NORTH	S.W. gales, veering to W. and subsiding; rainy to fair, colder.
1	SCOTLAND EAST	S.E. and S. winds, freshening; showery, squally.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as Nos. 1 and 2.
5	ENGLAND SOUTH	S. to W. winds, fresh or strong; squally, showery, thunder in places.
▼ 6	SCOTLAND WEST	Same as No. 0.
▼ 7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5.
▼ 9	IRELAND NORTH	S.W. and variable winds; very changeable weather, showery, colder.
▼ 10	IRELAND SOUTH	
	WARNINGS	At 7 pm. yesterday to districts 0, 6, 7, 9 and 10. Hoist South Cone.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.70	46	35	ESE	4	o	3
Sumburgh Head	29.51	48	45	W	3	b	4
Stornoway	29.55	51	46	WSW	4	c	4
Aberdeen	29.63	49	42	SSE	4	beq	3
Shields	29.68	48	45	NNW	2	c	2
Ardrossan	29.70	54	52	WSW	3	b	3
Malin Head ...	29.67	49	47	W	4	bc	3
Belmullet	29.74	52	48	WSW	5	beqp	*
Holyhead	29.83	51	46	WSW	3	b	2
Valencia	29.84	55	50	SSW	4	bc	5
Scilly	29.96	55	51	W	3	bc	5
Jersey	29.98	54	49	WNW	5	bm	4
Hurst Castle ...	29.86	54	47	WNW	5	c	3
Dungeness ...	29.72	53	45	WNW	4	o	6
North Foreland	29.70	45	44	W	5	o	4
London (Westminster)	29.74	54	49	WNW	5	cq	*
Yarmouth ...	29.58	45	44	WNW	5	o+	4
Rochefort ...	30.11	59	52	NW	4	bc	*

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

Weather in morning fine and bright over nearly the whole of Scotland, Ireland Wales and the W. of England; dull, rainy and unsettled over the E.m half of England, the Netherlands and W.m Germany; very variable elsewhere; rain falling at several of the stations over central and southern Europe, snow in some parts of Russia, Finland and Sweden. Heavy rain falling later both in Ireland and Belgium, and smaller quantities in many parts of England. Bright Aurora seen in the N.E. of Scotland at night.

Temperature fallen fast over England. Morning readings highest 67° at Algiers, 65° at Palma; 54° at Biarritz and Scilly, 50° at Jersey, 49° at Valencia, Lowest 19° at Moscow, 22° at Archangel, below 30° over all the N.m parts of Russia, Finland and Sweden, 31° at Karlstad, 36° at Skudesnaes. Rising later to between 55° and 59° in many parts of our Islands and France, and touching 64° at Perpignan, 74° at Nice. Falling very fast over England at night.

Wind (1) E.ly over the whole of northern Europe, and moderate in force, (2) W.ly and NW.ly over the greater part of our Islands and France, and blowing strongly over the eastern and south parts of England, and at the N.m and E.m of the French stations, (3) W.ly but nearly calm over central Europe, but E.ly over the Baltic provinces. Falling light over the east of England later, and backing to the southward at the Irish stations.

Barometer highest (1) 30.28 ins. over the Azores, and exceeding 30.0 ins. over SW.n Europe as a whole, (2) 30.0 ins. and more over Lapland and the N.m parts of the Gulf of Bothnia. Lowest (1) below 29.4 ins. in a depression lying between the E. coasts of England and the W. coast of Holland, (2) below 29.5 ins. in two other disturbances, – one lying to the N.wd of our Islands, the other over the W.m parts of central Russia (3) below 29.7 ins. in a small system off the SE. coast of France. Rising quickly over Scandinavia, the North Sea, Gt. Britain and France during the day, but beginning to fall again in the W. of Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday 14th April 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 ...	30·45	24	Z	0	b	30·61	+ ·31	21	19	0	Z	0	b	*	b	*	36	7	—
	Hernösand ...	30·41	22	Z	0	b	30·52	+ ·24	23	21	− 4	Z	0	b	*	b	*	41	21	—
	Stockholm ...	30·34	31	N	4	o	30·42	+ ·22	31	29	0	NNE	2	o	*	o	*	37	23	—
	Wisby	30·30	32	NNE	4	b	30·36	+ ·24	34	32	− 3	N	4	s	*	b	*	41	27	—
	Karlstad ...	30·32	33	NNE	2	b	30·41	+ ·22	30	27	− 1	N	2	b	*	b	*	*	*	—
	Bodö	30·34	36	E	4	b	30·39	+ ·28	36	32	+ 4	E	4	b	2	b	*	39	30	—
	Christiansund ...	30·18	43	SE	1	b	30·22	+ ·25	39	37	− 5	ESE	1	b	3	b	*	50	37	—
	Skudesnaes ...	30·21	40	SSE	6	bc	30·25	+ ·16	39	38	+ 2	SE	6	bc	3	b.bc	*	41	36	*
	Færder (Christiania Fjord)	30·31	38	N	1	o	30·37	+ ·21	36	32	+ 2	ENE	3	b	2	o	*	38	34	—
	Skagen (The Scaw)	30·29	39	ENE	3	bc	30·36	+ ·26	39	37	+ 5	S	2	bc	0	bc	*	48	34	—
	Fanö	30·22	39	NE	3	b	30·28	+ ·29	35	34	− 2	E	4	c	*	b	*	52	34	—
British Islands.	Sumburgh Head	29·70	43	SSE	7	r	29·77	+ ·06	44	43	− 2	SSE	7	r	7	o.r	*	48	42	0·15
	Stornoway ...	29·46	43	SSW	3	r	29·59	+ ·17	45	43	− 2	S	5	c	5	r	0·0	47	40	0·40
	Wick	29·57	45	SSE	7	r	29·72	+ ·09	46	44	+ 1	SW	3	bc	3	r	*	48	44	0·10
	Nairn	29·55	50	W	1	c	29·71	+ ·09	48	45	− 1	S	2	b	1	c	*	56	38	0·01
	Aberdeen ...	29·69	45	SSE	8	ogq	29·80	+ ·02	44	43	− 2	SSE	4	ogq	7	ogq	1·3	49	43	0·52
	Leith	29·69	50	S	5	o	29·76	+ ·01	47	45	0	Z	0	cm	*	o	*	54	44	—
	Shields	29·80	53	SSE	4	o	29·82	− ·07	46	45	+ 2	SSE	3	o	3	o,p	*	54	42	—
	Spurn Head ...	29·91	47	SE	5	c	29·86	− ·13	46	44	− 2	SSE	4	c	4	c	*	55	44	—
	York	29·88	54	S	1	o	29·85	− ·11	45	43	+ 3	SSE	2	r	*	c.o	1·3	56	40	0·01
	Loughborough ...	29·92	53	SSW	4	c	29·83	− ·16	46	44	+ 3	SSE	2	cmp	*	cq,c.op	*	58	43	0·02
	Ardrossan ...	29·56	47	SSE	8	rm	29·74	+ ·11	47	45	− 1	ESE	3	cm	3	rm	*	49	43	0·10
	Malin Head ...	29·47	45	SSW	3	r	29·64	+ ·20	47	45	+ 1	S	4	bm	2	o,r	*	48	40	0·12
	Belmullet ...	29·52	45	SW	3	c	29·72	+ ·20	48	45	− 1	WSW	3	c	*	bc,c	*	52	40	0·12
	Donaghadee ...	29·57	49	S	8	o	29·76	+ ·13	46	45	− 2	S	4	b	2	o	*	50	35	0·29
	Liverpool (Bidston)	29·80	58	S	4	o	29·77	− ·11	44	43	− 1	SW	1	r	2	cmp	*	56	43	0·28
	Holyhead ...	29·73	48	SSW	8	rqgm	29·75	− ·02	44	43	− 4	SE	1	pm	1	qpgm	*	53	43	0·22
	Parsonstown ...	29·61	46	S	1	r	29·74	+ ·18	46	43	0	SE	1	b	*	or,b	0·2	49	35	0·30
	Valencia ...	29·64	49	SW	4	bc	29·73	+ ·17	50	46	+ 5	S	2	bc	4	c,bc	5·0	52	41	0·16
	Roche's Point ...	29·66	49	WSW	3	c	29·77	+ ·14	48	46	− 2	SSE	1	b	3	c	*	52	36	0·40
	Pembroke (St. Ann's Hd.)	29·75	49	SW	6	r	29·76	− ·06	48	45	− 1	NNW	2	b	4	r	2·0	51	43	0·73
	Scilly	29·76	51	S	6	r	29·77	− ·11	49	47	− 3	NNW	3	c	4	o,r	1·7	55	45	0·48
	Prawle Point ...	29·92	49	SSW	5	c	29·78	− ·22	46	45	− 2	WNW	2	c	3	cpq	*	52	45	0·13
	Jersey (St. Aubin's)	30·01	55	SSW	3	cg	29·86	− ·25	50	48	− 2	SSE	4	crm	3	bc,cg	*	57	48	0·02
	Hurst Castle ...	29·99	50	SSE	4	c	29·85	− ·20	48	47	− 2	S	4	r	3	c	*	54	48	0·04
	Dungeness ...	30·06	48	SW	2	bc	29·94	− ·13	48	45	0	S	5	o	4	b,bc	*	53	45	—
	North Foreland	30·08	46	SSE	3	bc	29·98	− ·09	48	45	+ 2	SSE	3	c	2	bc	*	54	42	—
	London (Brixton) ...	30·00	53	SW	2	bc	29·89	− ·18	53	47	+ 4	S	4	o	*	bc,b,c	6·5	60	44	—
	Oxford	29·97	50	SE	3	o	29·89	− ·20	49	45	+ 3	SSE	3	o	*	c,o	*	56	44	—
	Cambridge ...	30·00	52	SSW	2	c	29·88	− ·18	50	47	+ 7	SSE	2	o	*	c	9·4	60	41	—
	Yarmouth ...	30·02	45	SE	4	b	29·96	− ·07	46	44	+ 2	SSE	4	bc	4	bc,b	*	47	41	—
Germany & Holland.	Cuxhaven ...	30·06	39	E	3	o	30·23	+ ·32	39	39	0	SE	3	o	*	o	*	43	37	—
	Berlin	30·01	40	N	2	r	30·24	+ ·35	39	37	− 9	ENE	4	c	*	r	*	50	36	0·16
	Wiesbaden ...	*	*	*	*	*	30·21	+ ·37	41	37	− 3	NE	1	b	*	*	*	46	34	—
	Munich	30·07	37	W	6	r	30·21	+ ·35	36	35	− 3	W	2	r	*	r	*	41	34	0·75
	The Helder ...	30·13	42	Z	0	b	30·12	+ ·12	44	41	+ 1	SE	1	b	1	b	*	46	37	—
Belgium.	Brussels ...	*	*	*	*	*	30·10	+ ·03	46	43	+ 3	SE	5	c	*	b	*	55	38	—
	Cape Gris Nez ...	?	50	SSW	1	b	?	?	50	44	+ 5	S	3	o	3	b	*	54	43	—
	Paris	30·12	58	SSW	2	bc	30·07	− ·07	46	39	+ 2	SE	3	bc	*	bc	*	63	38	—
	Brest	29·95	52	SSW	4	c	29·79	− ·26	48	48	− 2	NW	2	o	4	c	*	54	46	0·47
	Lorient	30·04	52	S	5	c	29·85	− ·30	50	50	0	SW	4	r	4	c	*	57	48	—
France &	Rochefort ...	30·13	60	SW	3	c	29·96	− ·23	49	46	0	S	4	o	*	c	*	68	43	—
	Belfort	30·10	49	NW	2	bc	30·18	+ ·14	40	36	+ 3	Z	0	m	*	bc	*	53	31	0·04
	Lyons	30·16	52	N	1	b	30·15	− ·03	42	39	− 3	SE	1	b	*	b	*	58	36	—
	Nice	30·10	49	NW	2	bc	30·00	+ ·14	55	40	+ 2	NE	4	b	2	b	*	64	45	—
	Perpignan ...	30·13	61	N	2	b	30·12	− ·06	48	45	− 3	W	2	b	*	b	*	64	40	—
	Biarritz ...	30·07	64	ENE	4	o	29·93	− ·23	61	50	+ 11	SSW	4	o	2	o	*	66	50	—
Penin-sula.	Coruña ...																*			
	Lisbon	30·20	54	W	3	b	30·11	− ·10	58	54	+ 3	S	4	o	*	b	*	63	52	—
	Azores (P. Delgada)	30·22	55	NNW	3	b	30·25	+ ·10	57	50	− 4	NNW	3	bc	3	b	*	66	54	—

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

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

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Thursday, 14th April, 1898

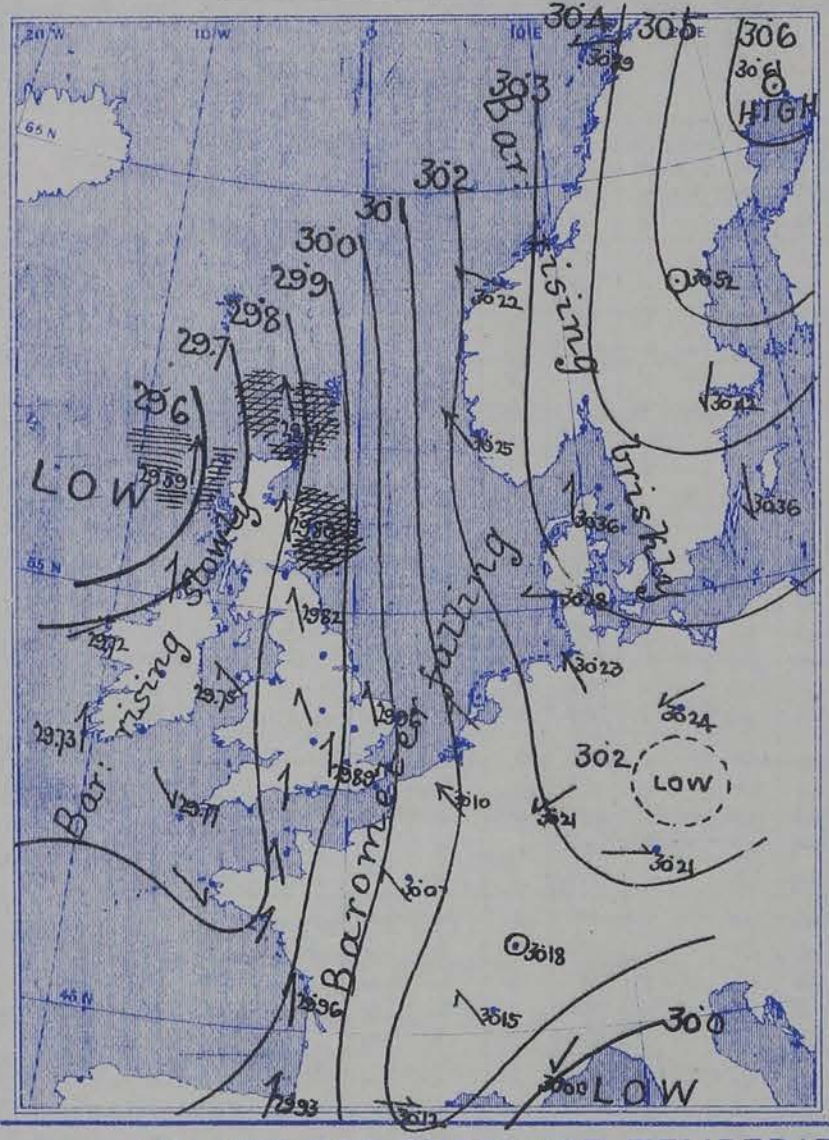
BAROMETER, WIND AND SEA.

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 ⊙

SEA—Rough ≡ : High ▬

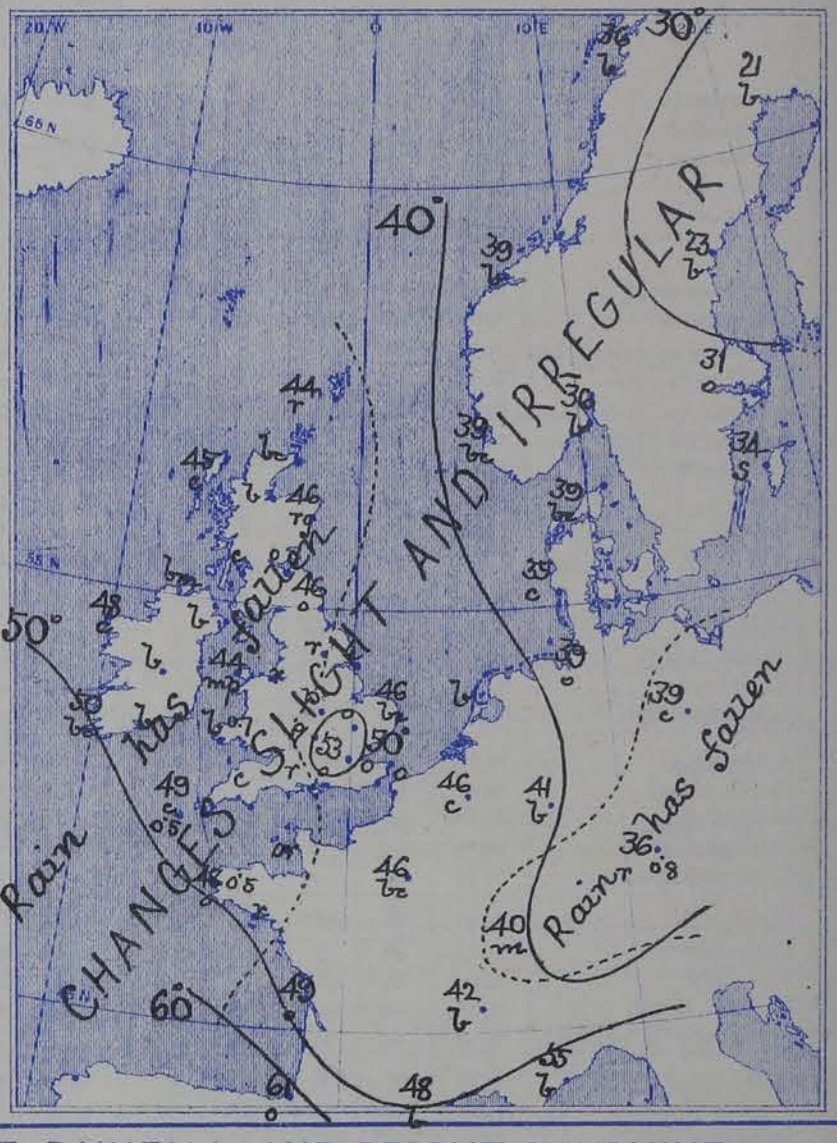


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and more, to 30.2 ins. over Scandinavia, the Baltic and N. Germany and exceeding 30.1 ins at Belfort, Lyons and Perpignan.
Lowest. Below 29.6 ins. over the Hebrides and neighbouring parts of the Atlantic, and below 29.8 ins. in a 'V' shaped secondary extending S.wd over the SW. parts of England and Brittany.
Gradient: somewhat steep for S.ly winds over the North Sea, slight and very variable over the W.rn and SW.rn parts of our Islands. Barometer rising at the N.rn stations, falling in the SW & S.

TEMPERATURE

Highest 61° at Lisbon, 55° at Nice, 53° in London, 50° at Cambridge.
Lowest (1) 21° at Haparanda, 23° at Hernösand, 30° at Karlstad; (2) 39° at Berlin, 36° at Munich, 40° at Belfort, 42° at Lyons.
It rose to 60° in London and at Cambridge yesterday and to between 55° and 59° in many other parts of England; in the NW. and S. of France the maxima ranged from 64° to 68°.

WIND

S.ly (SSE. to SSW) over nearly the whole of Gt. Britain, and was moderate to fresh in force. On our SW.rn coasts, however, it was light and variable, while in the N. of France and the Netherlands it was SE.ly.
A strong gale from the S.wd has been felt on the NE. coast of Scotland, and a fresh gale on our NW. coasts; but these have now subsided.

WEATHER

Fair over Ireland and the W. of Scotland, dull over England and the N. of France, with rain in several places, fine over the E. and S. of France and over Scandinavia.
Rain has fallen generally at our SW.rn, W.rn and N.rn stations, on our SW.rn coasts, and over Brittany, as well as in some parts of Scotland the falls have been very considerable.
Bright Sunshine recorded yesterday amounted to 9.4 hrs. at Cambridge and from 6 to nearly 8 hrs. at our S. coast stations. In the N. and W., however, there was very little.

SEA

High at Sumburgh Hd and Aberdeen, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the NW. is passing off, but the secondary system in the S.W. appears likely to cause a great deal of rain over England to-day.

FORECASTS

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

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW.ly and W.ly winds, changeable, showery.	6	SCOTLAND WEST	Varying S.ly winds, rainy, unsettled.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.	S.ly (SE to SW) winds, moderate; very unsettled and rainy.	8	ENGLAND S.W.	
3	ENGLAND EAST		9	IRELAND NORTH	
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND S.			WARNINGS	At 10.25 am. to-day to districts 0, 6, 7, 9 and 10. Lower Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·20	41	37	S	8	b	4
Sumburgh Head	29·73	44	43	SSE	5	o	6
Stornoway	29·45	45	44	SSW	4	p	4
Aberdeen	29·72	44	43	SSE	7	orgq	6
Shields	29·85	50	47	SSE	3	o	2
Ardrossan	29·56	49	48	SSE	8	rtw	6
Malin Head ...	29·46	48	45	SSW	5	o	3
Belmullet	29·49	51	47	SW	3	bc	*
Holyhead	29·73	52	49	SSW	8	opqw	6
Valencia	29·57	50	48	SSW	4	c	5
Scilly	29·82	54	51	S	6	o	5
Jersey	30·06	55	51	SE	3	bc	3
Hurst Castle ...	30·03	54	51	SSW	4	c	2
Dungeness ...	30·07	49	47	SW	4	b	2
North Foreland	30·08	51	47	SSE	3	bc	2
London (Westminster)	30·02	58	51	SSW	3	bc	*
Yarmouth ...	30·05	46	44	SE	4	bc	4
Rochefort ...	30·19	63	58	WSW	3	b	*

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

Weather in morning fine and bright over Spain, France and the E^rn. half of England, as well as over Russia, Finland, Lapland and Scandinavia generally; dull and rainy in the W. and N. of our Islands, as well as over Germany and Austria-Hungary, with rain in several places. Rain falling later in considerable quantities over several parts of S. Germany, Brittany, the SW^rn. parts of our Islands and some parts of Scotland; small quantities in the W. and N. of our Islands generally.

Temperature risen somewhat over England, fallen over France. Morning reading highest, 64° to 60° on the S^rn. shores of the Mediterranean, 55° at Lisbon, 52° at Scilly and Jersey, 49° in London and at Belmullet. Lowest 14° F. at Archangel, 27° at Moscow and Ulealborg, 31° at Karlstad and Stockholm, 33° at Klarkop. Rising later to between 64° and 68° in the SW. and S. of France, and to between 60° and 55° in many parts of England.

Wind (1) Chiefly NE^ly (E to N) and light over northern Europe moderate over the Baltic; (2) Anticyclonic and light over Spain and the greater part of France. (3) Cyclonic, strong to a gale, from the S^rd on our west and northwest coasts; (4) light to moderate but cyclonic in a number of feeble systems over Russia, central Europe, and the northern parts of the Mediterranean. Blowing hard from S. in the northeast of Scotland later, as well as on our northwest coasts.

Barometer highest (1) 30·3 ins. and more to 30·0 ins. in an anticyclone over N^rn. Europe; (2) 30·2 ins. and more to 30·0 ins. in another over Spain, France and the SE. of England. Lowest (1) Below 29·5 ins. in a depression off our NW^rn. coasts; (2) about 29·7 ins. in a shallow system over central Russia, and rather below 29·7 ins. in others over Austria-Hungary, N. Germany and Corsica. Further local disturbances approaching our own SW^rn. coasts later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 15 April, 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.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	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 ...	30·65	16	NW	0	b	30·72	+·11	13	10	− 8	S	2	b	*	b	*	30	1	-
	Hernösand ...	30·61	23	NW	0	b	30·67	+·15	22	20	− 1	NW	0	b	*	b	*	37	12	-
	Stockholm ...	30·50	32	E	2	0	30·52	+·12	36	35	+ 5	E	4	0	*	0	*	39	27	-
	Wisby	30·46	33	E	4	S	30·49	+·13	38	36	+ 4	SE	4	c	*	S	*	38	28	0·044
	Karlstad ...	30·46	33	NE	2	b	30·50	+·09	31	28	+ 1	NE	2	b	*	b	*	*	*	-
	Bodö	30·42	37	E	2	b	30·40	+·01	39	34	+ 3	E	4	b	1	b	*	43	32	-
	Christiansund ...	30·24	44	ESE	1	b	30·26	+·04	41	35	+ 2	ESE	2	b	2	b	*	50	37	-
	Skudesnaes ...	30·26	41	SE	1	b	30·23	−·02	40	36	+ 1	SE	6	b	4	b	*	46	36	*
	Færder (Christiania Fjord)	30·41	39	NW	0	0	30·44	+·07	35	33	− 1	E	4	0	2	0	*	41	34	-
	Skagen (The Scaw)	30·38	40	NE	1	b	30·41	+·05	37	35	− 2	SE	4	bc	1	b	*	50	34	-
	Fanö	30·23	41	ESE	6	c	30·19	−·09	38	36	+ 3	ESE	6	c	*	0	*	46	38	-
	Sumburgh Head	29·86	42	SSE	6	r	29·88	+·11	42	41	− 2	SSE	7	r	8	r	*	44	40	0·28
	Stornoway ...	29·70	48	SW	3	b	29·73	+·14	43	42	− 2	W	0	b	0	p.bc.b	7·5	50	35	0·05
	Wick	29·77	48	S	4	c	29·77	+·05	45	44	− 1	S	3	du	3	c	*	55	43	0·05
	Nairn	29·72	50	W	0	b	29·76	+·05	43	42	− 5	W	0	r	1	b	*	58	34	0·01
	Aberdeen ...	29·79	43	ESE	3	ogr	29·77	−·03	43	42	− 1	SE	6	ogrq	7	ogrq	0·0	45	42	0·72
	Leith	29·75	48	ESE	1	0	29·69	−·07	45	45	− 2	E	1	rm	*	0	*	52	44	0·18
	Shields	29·76	46	SE	1	om	29·68	−·14	44	44	− 2	E	2	r	3	p.om	*	48	42	0·18
	Spurn Head ...	29·81	46	ESE	2	r	29·69	−·17	47	47	+ 1	NNW	1	r	2	r	*	48	45	0·33
	York	29·75	49	S	1	op	29·67	−·18	46	44	+ 1	W	1	op	*	op	0·0	50	43	0·20
	Loughborough ...	29·78	48	SSW	2	r	29·73	−·10	45	44	− 1	W	2	bcm	*	omp.c	*	50	43	0·31
BRITISH ISLANDS.	Ardrossan ...	29·72	51	W	0	b	29·72	−·02	48	46	+ 1	NW	2	b	1	b	*	54	43	-
	Malin Head ...	29·71	47	E	3	bcp	29·76	+·12	46	45	− 1	W	2	b	1	c.bcp	*	52	43	0·03
	Belmullet ...	29·75	49	WSW	2	b	29·79	+·07	45	44	− 3	WSW	3	0	*	bc.b	*	52	40	0·12
	Donaghadee ...	29·75	49	S	3	b	29·76	·00	45	44	− 1	WNW	3	b	1	b	*	52	39	0·01
	Liverpool (Bidston)	29·75	46	WNW	1	c	29·74	−·03	46	42	+ 2	W	3	bc	3	r.c	*	54	42	0·07
	Holyhead ...	29·76	47	W	0	c	29·77	+·02	46	44	+ 2	W	2	c	1	c	*	52	39	-
	Parsonstown ...	29·72	53	S	1	c	29·83	+·09	42	41	− 4	W	0	b	*	b.tstr.r	9·9	57	34	0·20
	Valencia ...	29·76	50	WSW	2	bc	29·85	+·12	47	44	− 3	W	1	cp	3	bc	9·7	54	35	0·01
	Roche's Point ...	29·77	51	SSW	3	bc	29·83	+·06	45	43	− 3	N	1	b	3	bc	*	55	38	-
	Pembroke (St. Ann's Hd.)	29·76	48	NW	3	b	29·81	+·05	48	45	0	NW	3	b	4	b	8·2	49	45	-
	Scilly	29·78	51	NW	1	c	29·84	+·07	50	46	+ 1	NNW	1	b	3	c	7·2	52	45	-
	Prawle Point ...	29·73	47	SE	1	0	29·85	+·07	48	45	+ 2	SW	2	bc	2	p.0	*	48	38	0·02
	Jersey (St. Aubin's)	29·71	51	ESE	3	rm	29·86	·00	50	46	0	NW	3	b	3	og.rm	*	55	44	0·16
	Hurst Castle ...	29·72	50	NNW	1	rm	29·81	−·04	47	45	− 1	WNW	3	bcm	2	o.rm	*	51	42	0·22
	Dungeness ...	29·75	56	SSE	4	0	29·74	−·20	49	48	+ 1	SSW	4	c	2	o.dp	*	60	47	0·03
	North Foreland	29·81	51	SE	3	0	29·75	+·23	49	48	+ 1	S	2	c	1	0	*	55	46	0·08
	London (Brixton) ...	29·74	58	SSW	3	0	29·76	−·13	47	46	− 6	NW	1	0	*	o.c.or	0·2	61	45	0·15
	Oxford	29·74	47	N	1	r	29·78	−·05	47	44	− 2	NNW	3	b	*	or	*	50	43	0·24
	Cambridge ...	29·78	53	SE	2	or	29·74	−·14	48	47	− 2	W	1	0	*	or	0·0	58	45	0·10
	Yarmouth ...	29·83	48	SE	5	c	29·71	−·25	48	47	+ 2	SSE	4	od	4	bc.c	*	49	45	0·10
GERMANY & HOLLAND.	Cuxhaven ...	30·18	45	SE	3	c	30·09	−·14	40	39	+ 1	SE	5	c	*	e	*	45	37	-
	Berlin	30·27	45	E	3	b	30·24	·00	41	39	+ 2	ESE	3	bc	*	b	*	50	36	-
	Wiesbaden ...	*	*	*	*	*	30·00	−·21	44	41	+ 3	E	3	bc	*	*	*	54	41	-
	Munich... ..	30·19	39	NE	3	b	30·06	−·15	40	37	+ 4	E	4	bc	*	b	*	48	30	0·04
	The Helder ...	29·97	50	ESE	3	bc	29·84	−·28	46	43	+ 2	SE	3	0	2	bc	*	52	43	-
BELGIUM.	Brussels ...	*	*	*	*	*	29·84	−·26	50	45	+ 4	SSE	5	0	*	0	*	62	46	-
	Cape Gris Nez...	?	60	SE	2	0	?	?	60	48	0	SW	4	0	3	0	*	66	45	0·20
	Paris	29·82	64	SE	2	bc	29·86	−·21	51	49	+ 5	S	2	c	*	bc	*	68	46	-
	Brest	29·74	49	NNW	2	c	29·89	+·10	45	42	− 3	NW	1	bc	2	c	*	52	39	0·39
	Lorient... ...	29·71	52	SW	5	r	29·89	+·04	46	44	− 4	N	3	bc	4	r	*	54	45	0·32
FRANCE &	Rochefort ...	29·89	54	N	3	0	29·93	−·03	51	50	+ 2	NNW	3	b	*	0	*	64	45	0·16
	Belfort	30·01	51	ENE	4	bc	29·98	−·20	48	44	+ 8	W	0	0	*	bc	*	50	40	0·04
	Lyons	29·95	59	SSE	1	0	29·97	−·18	55	45	+ 13	SSW	3	ov	*	0	*	66	42	-
	Nicé	30·10	52	SW	2	c	30·17	+·17	52	48	− 3	W	0	bc	1	c	*	64	46	-
	Perpignan ...	29·94	56	NE	2	0	29·99	−·13	53	51	+ 5	SW	2	bc	*	0	*	62	45	-
	Biarritz ...	29·84	59	NNW	3	0	29·95	+·02	53	49	− 8	SSW	3	c	3	0	*	68	52	-
PENINSULA.	Corunna ...																*			
	Lisbon	30·12	55	W	3	b	30·06	−·05	51	49	− 1	SW	5	r	*	b	*	63	50	0·43
	Azores (P. Delgada)	30·31	58	NNW	4	c	30·41	+·16	57	51	0	N	4	bc	2	c	*	63	54	-

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

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

Bright Sunshine yesterday Southport 0·7 hrs;

WEATHER CHARTS

FOR Friday 15th April 1898

BAROMETER, WIND AND SEA.

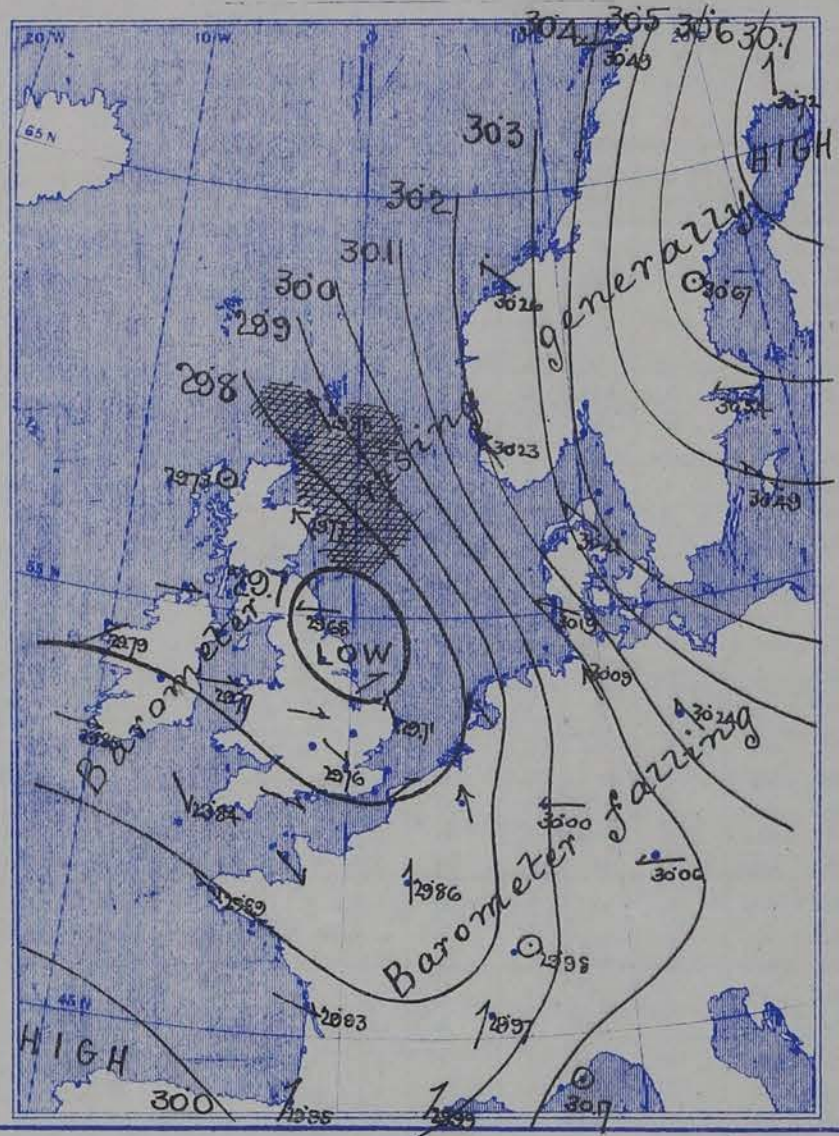
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

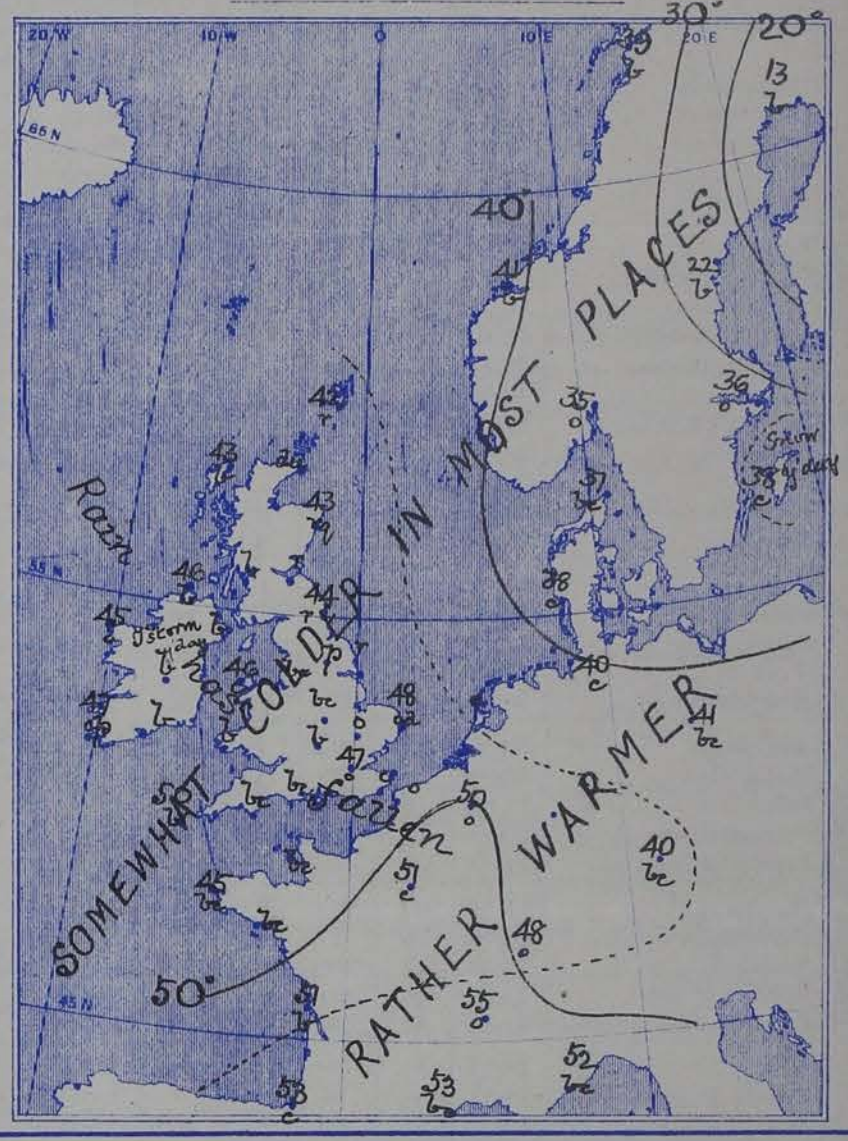


TEMPERATURE & WEATHER.

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 APRIL.

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.7 ins. and more to 30.2 ins. over Scandinavia the Baltic and N. Germany.
Lowest Below 29.7 ins. in a shallow depression lying over N. and NE. of England, and below 29.9 ins. over the Nn. and central parts of France.
Gradients slight over our Islands as a whole, but steep, for SE. winds over the North Sea.
Barometer rising over Ireland and the N. of Scotland, but changing little and irregularly elsewhere.

TEMPERATURE

Highest 55° to 50° over the southern parts of France, 50° at Scilly, 49° at Dungeness.
Lowest, 13° to 22° over the Nn. parts of Sweden, 31° at Karlstad, 40° at Cuxhaven and Munich, 42° at Sumburgh Hd., 43° at Aberdeen.
The highest of the maxima recorded yesterday were 61° in London, 60° at Dungeness, 58° to 55° in the NE. of Scotland, 57° at Parsonstown. Since then the thermometer has fallen quickly. Frost occurred on the ground in central Ireland early this morning.

WIND

Light and variable from between W. and NW. over Ireland and England as a whole, moderate from S. on our extreme southeast coasts, SE. by over the North Sea and northeast of Scotland, and blowing strongly at Aberdeen and Sumburgh Head.

WEATHER

Dull and very rainy over our Nn. and NEn. districts; fair as a whole in the NW, W and SW, but showery at Valencia (Ireland)
Rain has fallen in almost all parts of our Islands and in many parts of France — heavily at Aberdeen. A thunderstorm occurred at Parsonstown last evening. Bright sunshine recorded was very slight over England and the E. of Scotland, but ranged from nearly 10 hrs. in Ireland to 8.2 hrs. at Pembroke, and to 7.2 hrs at Scilly, 7.5 hrs. at Stornoway.

SEA

High at Sumburgh Hd. and Aberdeen, moderate to smooth on our En.; Sn. and Wn. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fair weather in the W. is spreading Ends over England, and a cold night (frost on the ground) is probable over the inland parts of Ireland and England tonight.

FORECASTS

For the 24 hours ending at NOON on 16th APRIL 1898

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	SE. by and E. by winds, strong to a gale; much cold rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Variable breezes, showery, changeable, cold tonight.
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	Same as No. 2.
5 ENGLAND SOUTH	NW. by and W. by winds light or moderate, slight rain, then fair, cold tonight.
6 SCOTLAND WEST	NW. by and varying winds, light; fine, but very cold inland tonight.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	At 10.15 am. today to district 0 and part of 1. Hoist South Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·26	46	44	SSE	8	b	4
Sumburgh Head	29·85	43	43	SSE	6	r	7
Stornoway	29·65	48	47	SSW	5	bc	5
Aberdeen	29·80	44	43	SSE	4	ogqr	6
Shields	29·79	45	45	SE	4	b	3
Ardrossan	29·74	52	47	W	0	b	0
Malin Head ...	29·70	48	48	NW	3	c	2
Belmullet	29·73	50	45	SW	2	bc	*
Holyhead	29·77	50	47	NW	2	c	1
Valencia	29·74	53	47	SSW	2	bc	4
Scilly	29·77	51	46	N	3	c	4
Jersey	29·76	54	50	SE	2	o	2
Hurst Castle ...	29·79	51	49	SSE	1	q	2
Dungeness ...	29·84	55	49	SE	2	c	2
North Foreland	29·88	53	48	SE	3	bc	2
London (Westminster)	29·82	59	54	SSW	3	o	*
Yarmouth	29·89	48	46	SE	5	bi	4
Rochefort ...	29·87	57	53	SW	5	o	*

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

Weather in morning fine and bright over Russia and N^rn Europe, also over the greater part of the Mediterranean, and clearing up generally over Ireland; dull and rainy over Gt. Britain and some parts of France; snow and rain falling over Austria and some districts in SE^rn Europe. Rain falling later in nearly all parts of the United Kingdom and many parts of France; the amounts being considerable in several places, and large at Aberdeen.

Temperature in morning highest 63° at Nice, and between 60° and 55° at nearly all the Mediterranean stations; 61° at Biarritz, 50° at Jersey, Cambridge and Valencia (Ireland) but 53° in London. Rising later to between 55° and 61° in many parts of Ireland and England, and to 68° at Paris and Biarritz.

Wind (1) light and anticyclonic over northern Europe, and moderate over the Baltic and western Germany; (2) cyclonic and S^ly over nearly the whole of the British Islands, but NW^ly over the Bristol Channel, Devon and Cornwall, (3) chiefly NE^ly over Hungary and the south of Russia, N^ly over the southeastern parts of the Mediterranean.

Barometer highest (1) 30.6 ins. and more to 30.4 ins. in an anticyclone lying over Sweden and the N. of Russia, and exceeding 30.1 ins. in a "ridge" extending thence in a SW^ly direction across Germany and the E. of France to Lyons. (2) 30.2 ins. and more to 30.1 ins. over Algeria, the Mediterranean and the S^rn parts of Spain. Lowest (1) 29.6 ins. in a depression off our extreme NW. coasts, and below 29.8 ins. in a complex "V" shaped secondary over Wales, the SW. of England and Brittany (2) below 29.7 ins. in a disturbance over the N^rn parts of the Black Sea; below 29.8 ins. in another over Croatia, and below 30.0 ins. in a third over the Riviera. Rising on our N^rn and NW^rn coasts later, falling in the Channel.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 16th April, 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 ...	30·67	19	NE	0	b	30·63	-·09	14	12	+ 1	S	2	b	*	b	*	30	-4	-
	Hernösand ...	30·63	25	NE	0	bc	30·58	-·09	24	23	+ 2	NE	0	b	*	bc	*	36	7	-
	Stockholm ...	30·56	32	NE	0	b	30·60	-·04	40	37	+ 4	SE	2	b	*	b	*	41	2	-
	Wisby	30·50	32	SSE	4	b	30·44	-·05	40	36	+ 2	SSE	4	b	*	b	*	43	27	-
	Karlstad ..	30·43	35	NNE	4	b	30·40	-·10	34	31	+ 3	NE	2	c	*	b	*	*	*	-
	Bodö	30·39	34	E	2	b	30·31	-·09	36	31	- 3	E	6	b	1	b	*	43	28	-
	Christiansund ...	30·21	42	ESE	2	b	30·13	-·13	41	35	0	ESE	3	b	3	b	*	50	39	-
	Skudesnaes ...	30·19	40	ESE	6	o	30·09	-·14	42	39	+ 2	SE	6	o	4	c.o	*	45	32	*
	Færder (Christiania Fjord)	30·39	38	E	2	c	30·30	-·14	37	35	+ 2	ENE	4	o	3	c	*	?38	35	-
	Skagen (The Scaw)	30·32	41	SSE	2	b	30·21	-·20	39	38	+ 2	SE	5	bc	1	b	*	45	36	-
	Fanö	30·06	41	ESE	8	c	29·95	-·24	41	40	+ 3	ESE	6	r	*	c	*	50	37	0·12
	Sumburgh Head	29·89	42	SSE	6	o	29·74	-·14	42	42	0	SSE	6	r	8	o	*	43	40	0·12
	Stornoway ...	29·73	48	NNW	3	c	29·77	+·04	45	43	+ 2	SW	3	b	3	c	7·0	55	36	0·03
	Wick	29·73	42	SE	6	r	29·77	·00	47	46	+ 2	NW	4	bc	4	r	*	47	38	0·30
	Nairn	29·72	44	N	0	r	29·83	+·07	45	43	+ 2	WSW	2	b	1	r	*	46	37	0·28
	Aberdeen ...	29·67	42	SE	4	ogrq	29·86	+·09	48	43	+ 5	W	2	b	4	rq.o	0.0	48	37	0·56
British Isles	Leith	29·71	46	N	0	o	29·90	+·21	48	45	+ 3	WSW	2	bc	*	o	*	49	39	0·14
	Shields	29·74	47	SW	2	p	29·95	+·27	48	46	+ 4	WSW	3	b	2	qp	*	51	38	0·07
	Spurn Head ...	29·78	48	W	4	c	29·97	+·28	48	46	+ 1	W	3	b	3	c	*	51	40	-
	York	29·77	49	W	2	b	29·98	+·31	44	42	- 2	W	1	b	*	c.b	4·7	55	35	-
	Loughborough ...	29·84	52	W	2	bc	30·01	+·28	42	41	- 3	W	1	bmw	*	c.bc.bf	*	58	31	-
	Ardrossan ...	29·75	51	WNW	3	b	29·91	+·19	47	46	- 1	SSW	2	bc	2	b	*	51	44	-
	Malin Head ...	29·79	49	NW	3	bc	29·89	+·13	46	45	0	WSW	4	bc	2	bc	*	50	42	0·02
	Belmullet ...	29·85	50	NW	3	bc	29·95	+ 16	49	46	+ 4	WSW	3	b	*	b	*	51	38	0·02
	Donaghadee ...	29·82	48	SW	3	cp	29·86	+·20	47	45	+ 2	W	3	b	1	p.c	*	54	34	0·47
	Liverpool (Bidston)	29·84	48	W	3	b	29·99	+·25	48	43	+ 2	WSW	2	b	2	b	*	52	42	-
	Holyhead ...	29·85	48	SW	2	b	29·99	+·22	52	48	+ 6	W	2	b	1	p.b	*	53	42	-
	Parsonstown ...	29·86	52	W	1	c	30·01	+·18	43	41	+ 1	SSW	1	bcw	*	b.prh	9·6	53	35	0·05
	Valencia ...	29·90	50	WSW	3	bc	30·03	+·18	49	45	+ 2	N	0	bc	2	bc	11·1	54	38	0·02
	Roche's Point ..	29·90	49	SE	1	bc	30·03	+·20	46	44	+ 1	NNW	1	b	2	tl.rh.bc	*	53	38	0·25
	Pembroke (St. Ann's Hd.)	29·89	49	W	3	b	30·03	+·22	48	46	0	NW	3	b	3	b	12·7	50	45	-
	Scilly	29·94	62	W	2	bc	30·03	+·19	51	47	+ 1	NNW	1	bw	2	bc	12·7	55	46	-
	Prawle Point ...	29·92	49	SW	3	b	30·07	+·22	49	45	+ 1	SSW	2	b	1	b	*	52	38	-
	Jersey (St. Aubin's)	29·94	52	WSW	3	b	30·04	+·18	52	48	+ 2	NNW	3	bm	3	b.bw	*	54	37	-
	Hurst Castle ...	29·91	50	WSW	3	bc	30·04	+·23	43	42	- 4	WSW	1	f	1	c.bc	*	52	37	-
	Dungeness ...	29·85	48	SW	4	b	30·01	+·27	45	43	- 4	NNW	1	bm	1	bc.b	*	53	36	-
	North Foreland	29·86	53	W	2	bc	30·03	+·28	47	45	- 2	W	1	b	1	c.bc	*	55	39	-
	London (Brixton) ...	29·85	56	NW	3	bc	30·03	+·27	48	43	+ 1	SW	1	b	*	bc.b.bmw	5·8	60	36	-
	Oxford	29·92	47	W	1	b	30·04	+·26	40	39	- 7	N	0	b	*	r.b	*	59	34	-
	Cambridge ...	29·85	54	NW	3	b	30·03	+·29	46	45	- 2	NW	1	b	*	b	8·2	60	32	-
	Yarmouth ...	29·80	54	W	2	bc	29·99	+·28	48	45	0	W	2	b	3	bc	*	54	37	-
Germany & Holland	Cuxhaven ...	29·96	49	SE	6	o	29·93	-·16	43	43	+ 3	SSE	2	r	*	o	*	54	?40	0·35
	Berlin	30·12	46	SE	4	b	30·05	-·19	42	40	+ 1	SE	3	o	*	b	*	54	39	-
	Wiesbaden ...	*	*	*	*	*	30·01	+·01	48	47	+ 4	W	2	o	*	*	*	57	44	0·12
	Munich	29·99	47	NE	1	b	30·02	-·04	46	44	+ 6	W	1	r	*	b	*	59	39	-
	The Helder ...	29·84	47	S	1	r	29·98	+·14	46	44	0	NNW	1	b	1	r	*	55	43	0·08
Belgium.	Brussels ...	*	*	*	*	*	30·02	+·18	44	43	- 6	W	2	m	*	bc	*	57	36	0·20
	Cape Gris Nez...	?	48	W	2	b	?	?	47	45	- 3	E	1	m	1	b	*	52	41	-
	Paris	29·92	56	N	2	c	29·99	+·13	43	40	- 8	NNE	2	bc	*	c	*	60	39	0·20
	Brest	29·99	51	NW	2	bc	30·02	+·13	44	43	- 1	NE	2	b	?	bc	*	?	?	-
	Lorient... ...	29·92	52	W	3	c	30·02	+·13	44	43	- 2	NNE	3	bc	2	c	*	61	43	-
France &	Rochefort ...	29·96	57	NNW	1	c	29·95	+·02	48	46	- 3	ENE	4	o	*	b.c	*	70	45	-
	Belfort	30·02	49	SW	3	r	29·99	+·01	44	44	- 4	NE	4	r	*	r	*	55	42	0·24
	Lyons	30·04	46	E	1	r	29·88	-·09	44	44	- 11	NW	1	r	*	r	*	59	44	0·43
	Nice	30·05	54	SE	4	bc	29·94	-·23	54	51	+ 2	NE	3	o	1	bc	*	61	52	-
	Perpignan ...	29·93	56	SE	3	o	29·82	-·17	50	49	- 3	W	3	b	*	o	*	63	44	0·43
	Biarritz ...	29·80	62	E	4	c	29·83	-·12	50	50	- 3	W	5	r	4	e.l	*	60	50	0·04
Penin-sula.	Corunna ...																*			
	Lisbon	30·17	51	NNW	4	b	30·27	+·21	52	47	+ 1	NNE	4	c	*	b	*	59	46	0·20
	Azores (P. Delgada)	30·55	56	NNE	2	c	30·52	+·11	57	51	0	NNW	1	c	1	c	*	63	54	-

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

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

Bright Sunshine yesterday Southport 8·5 hrs;

WEATHER CHARTS

FOR ..... Saturday, 16th April, ... 1898

BAROMETER, WIND AND SEA.

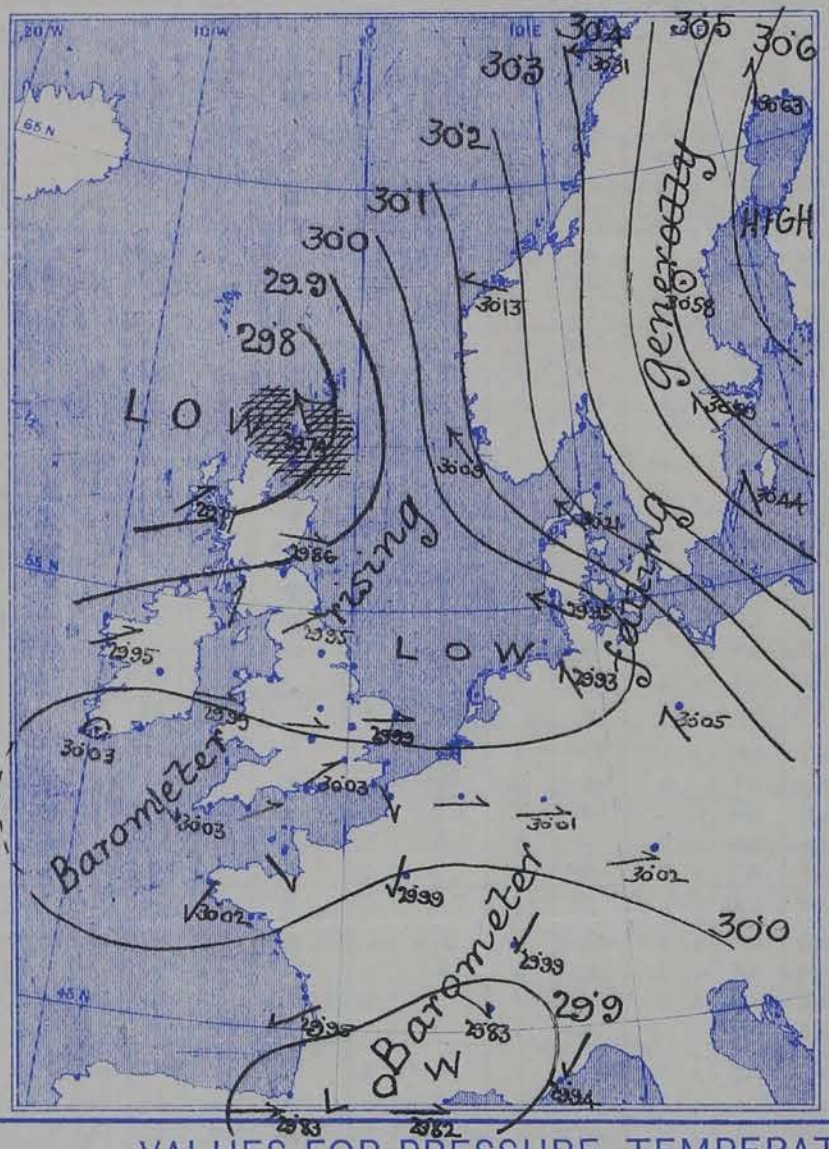
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

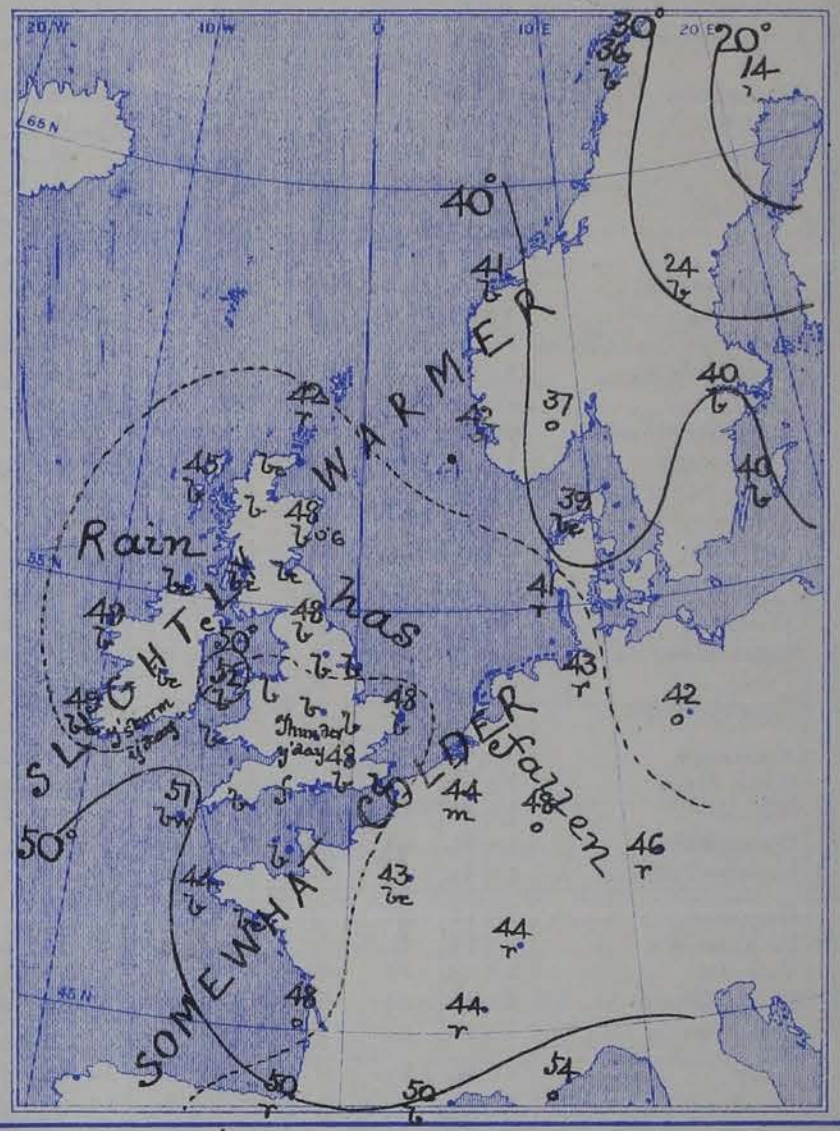


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·6 ins: and more to 30·0 ins: over Finland and Scandinavia; (2) Exceeding 30·0 ins: in a broad (or Col) lying over the southern parts of Ireland, England, and the north of France; (3) 30·52 ins: over the Azores, and ranging between 30·3 ins: and 29·9 ins: over the Iberian Peninsula

Lowest, Below 29·8 ins: over the Shetland Isles and the north of Scotland, and about 29·8 ins: over the southwest of France.

Gradients somewhat steep for SE. winds over Sweden and Norway, slight and variable elsewhere. Barometer rising except over Scandinavia Germany and the southern parts of France, where a fall is in progress.

TEMPERATURE

Highest, 54° at Nice, 51° at Scilly, 49° at Valencia and Belmullet, 48° at Shields and Aberdeen.

Lowest, 14° at Haparanda, 24° at Hernösand, 41° at Fanö, 42° at Leemburgh Hd.

There was a decided frost on the grass early this morning over the inland parts of Ireland and England, but at 8am the thermometer was rising very quickly.

WIND

SE. moderate to strong on the eastern shores of the North Sea and at Leemburgh Hd. - Moderate W. over the northern half of our Islands, light and variable in the south; moderate from the NE. over the greater part of France, but W. at Biarritz and Perpignan.

It blew very strongly from SE. on the northeast coast of Scotland throughout yesterday.

WEATHER

Still raining in the Shetland Islands and also over the southern part of Central France. Over almost all other regions it is fair, although Rain fell in considerable quantities yesterday at several of our northern and western stations, and, later on, over France and Germany. Thunderstorms occurred at Oxford and also at Rockie Point. Bright Sunshine recorded yesterday amounted to 12·7 hours at Scilly and Pembroke, 11·1 hrs at Valencia, 9·6 hrs at Parsonstown - At Cambridge it was 8·2 hrs, and in London 5·8 hrs.

SEA

Still very high at Leemburgh Head, but has gone down elsewhere, and is smooth in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Weather appears likely to remain fine over our Islands, with light breezes, and a hazy atmosphere at times

FORECASTS

For the 24 hours ending at NOON on 17th APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW. breezes, moderate; some showers.
1	SCOTLAND EAST	SW. breezes, light; fine, mild.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light Variable airs; fine, hazy at times. Warm during day, very cool in night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	SW. and W. breezes, light or moderate; fine.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The South Cone has been lowered this morning in district 0 and part of 1.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·20	45	40	SE	6	c	4
Sumburgh Head	29·88	43	41	SSE	6	o	7
Stornoway	29·72	54	50	SSW	2	c	2
Aberdeen	29·73	42	41	SE	6	oqrv	7
Shields	29·68	51	48	E	2	opq	3
Ardrossan	29·71	51	48	NW	3	b	2
Malin Head ...	29·77	50	48	NW	3	bc	2
Belmullet	29·82	50	45	W	2	b	*
Holyhead	29·81	53	49	WSW	3	bp	2
Valencia	29·87	52	46	SW	3	bc	4
Scilly	29·89	53	49	WSW	2	bc	3
Jersey	29·92	53	48	WNW	3	b	3
Hurst Castle ...	29·86	51	48	WSW	4	c	3
Dungeness ...	29·79	52	49	SW	4	bc	3
North Foreland	29·80	52	49	SE	2	c	1
London (Westminster)	29·80	58	50	W	2	bc	*
Yarmouth ...	29·76	53	49	WSW	3	bc	4
Rochefort ...	29·96	61	60	NNW	2	b	*

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

Weather in morning fine over northern, central, southern, and the greater part of Western Europe, but unsettled and rainy (1) over the northern and northeastern parts of Great Britain, (2) in Portugal, (3) in the northern shores of the Black Sea. Considerable rain later in various parts of Scotland and Ireland and in many parts of France and Germany. fine generally over England and Scandinavia, but thunder and lightning reported at Oxford and Robin Point.

Temperature fallen decidedly over the United Kingdom, risen over France and the Mediterranean. Morning readings highest 64° at Algiers, 63° at La Calle; 57° at Marseilles, 50° at Jersey, and Scilly, as well as at Brussels. Lowest 13° at Kuparanda and Archangel, 18° at Kuopio, 21° at Moscow, 24° at Khartov, and 27° at Hangö; 37° at Breslau, 40° at Haderslev, 42° at Sumburgh Hd. 43° at Aberdeen. Rising later to between 55° and 60° over many parts of England, to 60° at Paris, 61° at Lorient and Nice and to 70° at Rochefort. Falling considerably over the inland part of Ireland and England at night.

Wind varying greatly (1) Anticyclonic over all the northern half of Europe, but blowing strongly from SE. on the eastern shores of the North Sea and on the northeast coasts of Scotland; (2) W' to NW' over Ireland, the greater part of England, and the west of France, but S' in the east of France. E' over Western Germany; (3) Cyclonic NE' in the south of Russia, and variable SE' to SW' over the Mediterranean. Very strong SE' winds continuing over the northeast of Scotland all day.

Barometer highest (1) 30·8 ins. to 30·2 ins: in a large anticyclone covering the whole of northern and a great deal of Central Europe; (2) 30·3 ins: to 30·2 ins: over the Adriatic and the eastern half of the Mediterranean. Lowest (1) 29·7 ins: and less, over the northeastern parts of Great Britain, and below 29·9 ins: over all of the United Kingdom and the northern parts of France; (2) below 29·9 ins: over the Black Sea. Depression over Great Britain moving northwards later, but a fresh system apparently forming over northwestern Germany.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT.

for 8 a.m. on Sunday 17th April, 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 ...	30·52	19	S	2	b	30·50	— ·13	22	19	+ 8	S	2	b	#	b	#	30	0	—
	Hernösand ...	30·47	30	S	2	bc	30·47	— ·11	31	30	+ 7	S	2	b	#	bc	#	37	10	—
	Stockholm ...	30·44	34	Z	0	b	30·44	— ·06	39	35	— 1	SE	4	b	#	b	#	43	30	—
	Wisby	30·39	34	SSE	4	bc	30·35	— ·09	43	35	+ 3	SE	4	b	#	bc	#	45	30	—
	Karlstad ...	30·33	39	ENE	2	o	30·34	— ·06	35	33	+ 1	NE	2	o	#	o	#	#	#	—
	Bodö	30·23	35	E	2	b	30·18	— ·13	39	35	+ 3	E	5	b	1	b	#	43	30	—
	Christiansund ...	30·26	43	Z	0	b	30·12	— ·01	45	39	+ 4	ESE	3	bc	3	b	#	48	41	—
	Skudesnaes ...	30·06	43	SE	4	r	30·13	+ ·04	42	40	0	S	4	o	2	r	#	45	39	#
	Færder (Christiania Fjord)	30·21	42	ESE	4	o	30·17	— ·03	37	35	0	ESE	4	o	3	o	#	43	36	—
	Skagen (The Scaw)	30·19	42	S	4	o	30·22	+ ·01	40	37	+ 1	SE	4	o	1	o	#	48	37	—
	Fanö	30·04	42	S	1	o	30·09	+ ·14	42	42	+ 1	NW	1	o	#	o	#	45	41	0·24
	Sumburgh Head	29·86	46	SSW	2	b	29·83	+ ·09	46	45	+ 4	SSE	4	bc	6	b	#	49	42	0·01
	Stornoway ...	29·78	48	SSW	4	o	29·65	— ·12	47	45	+ 2	SW	5	o	5	o	9.1	53	41	0·02
	Wick	29·77	46	SW	4	bc	29·77	·00	46	45	— 1	SSW	4	c	5	bc	#	55	44	—
	Nairn	29·85	51	WSW	2	bc	29·77	— ·06	49	46	+ 4	SSW	3	c	2	bc	#	56	40	—
	Aberdeen ...	29·89	48	S	2	bc	29·88	+ ·02	46	44	— 2	S	3	c	3	bc	9.6	54	40	0·01
British Islands.	Leith	29·92	50	W	1	o	29·80	— ·04	58	46	+ 10	S	1	b	#	o	#	58	41	—
	Shields	29·97	48	Z	0	cp	29·95	·00	48	45	0	SSW	1	c	2	c, cp	#	57	36	0·04
	Spurn Head ...	30·01	46	SSE	1	c	29·98	+ ·01	48	45	0	SSE	2	b	3	p.c	#	54	43	0·01
	York	30·00	55	W	1	b	29·97	— ·01	43	42	— 1	S	1	b	#	c, o, b	7.6	57	35	—
	Loughborough ...	30·01	57	NW	1	bc	30·00	— ·01	43	41	+ 1	SE	1	bmr	#	bc, b, bm	#	61	32	—
	Ardrossan ...	29·91	50	SW	3	c	29·83	— ·08	48	47	+ 1	SSE	3	o	2	c	#	51	46	—
	Malin Head ...	29·88	49	NW	1	cp	29·66	— ·23	47	46	+ 1	SSW	6	omq	3	cp	#	51	45	0·02
	Belmullet ...	29·89	50	SSW	4	o	29·63	— ·32	51	48	+ 2	S	6	o	#	o	#	52	46	0·01
	Donaghadee ...	29·94	49	SSW	5	bc	29·84	— ·12	49	48	+ 2	S	5	bc	3	bc	#	58	44	—
	Liverpool (Bidston)	30·02	50	WNW	1	b	29·96	— ·03	49	45	+ 1	SSE	2	b	1	b	#	52	38	—
	Holyhead ...	30·01	48	SSW	3	b	29·91	— ·08	48	46	— 4	SSW	3	cm	2	bc, b	#	53	44	—
	Parsonstown ...	29·95	54	SSW	1	c	29·77	— ·24	49	46	+ 6	SE	1	o	#	bc, o	10·2	57	42	—
	Valencia ...	29·98	51	SW	3	o	29·68	— ·35	52	49	+ 3	S	5	o	4	bc, o	8·2	55	48	0·02
	Roche's Point ...	30·01	51	SW	3	bc	29·82	— ·21	50	48	+ 4	SSW	5	o	4	bc	#	54	45	0·05
	Pembroke (St. Ann's Hd.)	30·04	49	W	3	b	29·92	— ·11	48	46	0	SSW	5	o	4	b	12·2	52	45	—
	Scilly	30·09	52	W	2	bc	29·94	— ·09	53	49	+ 2	S	4	bc	3	bc	12·8	56	47	—
	Prawle Point ...	30·08	48	W	3	bc	30·01	— ·06	48	45	— 1	SE	2	b	1	bc	#	53	39	—
	Jersey (St. Aubin's)	30·07	51	NW	4	bm	30·02	— ·02	50	48	— 2	WNW	2	b	2	bm, bm	#	55	35	0·01
	Hurst Castle ...	30·05	51	WSW	3	bc	30·10	+ ·06	47	44	— 6	Z	0	bm	0	bc	#	55	35	—
	Dungeness ...	30·03	49	ENE	2	bc	30·00	— ·01	51	48	+ 6	E	1	b	1	b, bc	#	56	36	—
	North Foreland	30·05	57	E	1	b	30·03	·00	49	47	+ 2	ESE	1	b	1	b	#	51	42	—
	London (Brixton) ...	30·02	54	Z	0	bm	30·01	— ·02	47	41	— 1	Z	0	b	#	cfg, b	2·4	60	34	—
	Oxford	30·05	49	WNW	1	b	30·01	— ·03	48	45	+ 8	Z	0	b	#	b	#	60	36	—
	Cambridge ...	30·02	58	ENE	1	c	30·02	— ·01	46	44	0	N	1	b	#	b, c	11·4	63	32	—
	Yarmouth ...	30·02	50	SE	2	b	30·02	+ ·03	47	45	— 1	SSE	3	b	3	b	#	52	42	—
Germany & Holland.	Cuxhaven ...	29·99	46	N	1	f	30·05	+ ·12	44	44	+ 1	N	2	m	#	f	#	50	43	0·04
	Berlin	30·02	52	SE	3	o	30·00	— ·05	44	42	+ 2	E	3	o	#	o	#	55	42	—
	Wiesbaden ...	#	#	#	#	#	29·91	— ·10	48	45	0	NE	4	o	#	#	#	59	48	0·35
	Munich	29·89	51	E	3	bc	29·93	— ·09	47	46	+ 1	W	4	o	#	bc	#	61	43	—
	The Helder ...	30·03	46	NW	1	b	30·04	+ ·06	41	40	— 5	NE	1	o	2	b	#	50	39	—
Belgium.	Brussels ...	#	#	#	#	#	30·02	·00	38	38	— 6	NE	4	o	#	o	#	57	37	—
	Cape Gris Nez ...	30·01	48	E	1	m	29·98	?	46	43	— 1	E	1	b	o	m	#	55	39	—
	Paris	29·96	56	NE	2	bc	29·97	— ·02	44	41	+ 1	N	2	m	#	bc	#	61	41	—
	Brest	30·08	51	N	2	b	30·04	+ ·02	47	46	+ 3	ESE	2	bc	2	b	#	54	41	—
	Lorient	30·04	54	NNE	4	c	30·04	+ ·02	44	43	0	NNE	2	b	4	c	#	61	41	—
France &	Rochefort ...	29·99	60	N	3	bc	30·00	+ ·05	45	44	— 3	NNE	3	bc	#	bc	#	64	43	—
	Belfort	29·89	48	ENE	3	o	29·90	— ·09	45	44	+ 1	Z	0	o	#	o	#	52	43	0·16
	Lyons	29·89	50	SSE	1	o	29·89	+ ·01	46	46	+ 2	N	8	m	#	o	#	56	44	0·75
	Nice	29·96	54	S	1	r	29·69	— ·25	54	50	0	E	8	r	6	r	#	57	46	1·38
	Perpignan ...	29·89	54	W	1	o	29·79	— ·03	52	46	+ 2	NW	4	o	#	o	#	65	51	0·04
	Biarritz ...	29·95	51	N	3	r	29·95	+ ·12	54	52	+ 4	W	2	bc	4	r	#	54	43	0·28
Peninsula.	Corunna ...																#			
	Lisbon	30·25	51	N	3	b	30·14	— ·13	52	47	0	N	3	b	#	b	#	59	48	0·08
	Azores (P. Delgada)	30·38	60	WSW	4	c	30·21	— ·31	61	57	+ 4	NNW	3	c	3	c	#	63	50	0·16

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

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

Bright Sunshine yesterday Southport 12·3 hrs;

WEATHER CHARTS

FOR Sunday, 17th April, 1898

BAROMETER, WIND AND SEA.

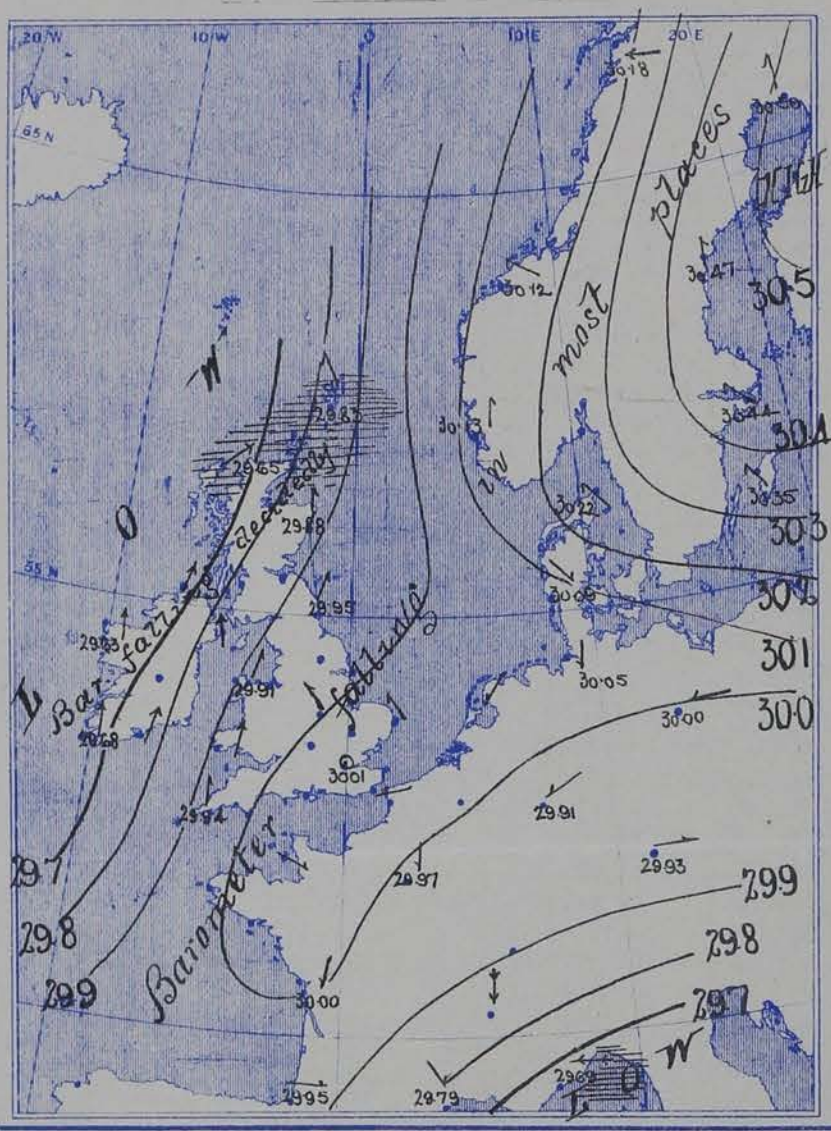
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

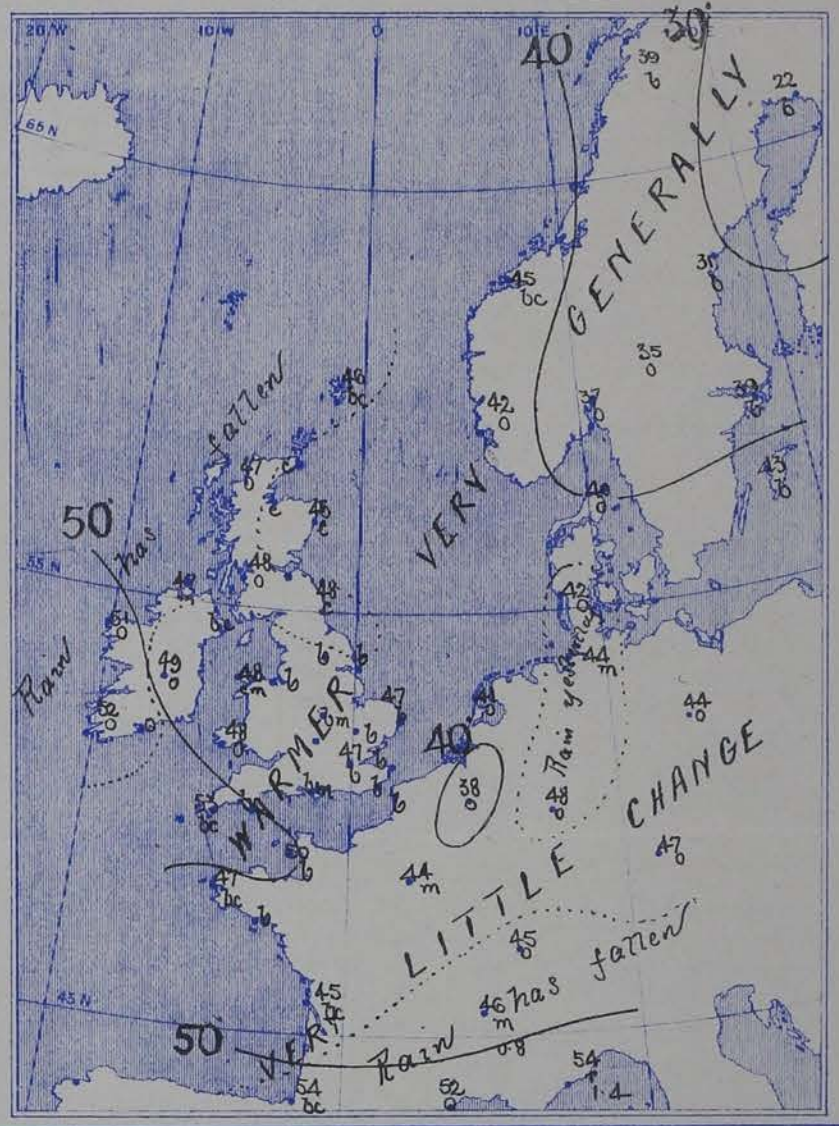


TEMPERATURE & WEATHER.

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 APRIL.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 869	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 · 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 · 4	36 · 9	72	1875	21	1892	1 · 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 · 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 · 2	37 · 9	75	1875	23	1881	1 · 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 · 0	37 · 5	78	1893	22	1881, 91	1 · 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 · 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 · 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 · 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 · 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 · 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	196 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 · 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 · 61	—	—
LONDON	29 · 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 · 1	37
Cambridge	29 · 904	45 · 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 · 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·5 in: and more over Finlands, and exceeding 30·1 in: over the whole of Scandinavia and the Baltic; (2) 30·21 in: at P. Delgada (Azores) and exceeding 30·1 in: over the southwestern parts of the Spanish Peninsula; 30·0 in: and more in the "Col" uniting these two systems.
Lowest, (1) Below 29·7 in: in the extreme west of Ireland and over the Hebrides; (2) below 29·7 in: over the Riviera and the northern parts of the Mediterranean
Gradients becoming rather steep for S^ly winds over Ireland and Scotland, and are moderate or slight, & very variable in direction elsewhere
Barometer falling decidedly at our northern stations, as well as in the south of France, and inclined to fall over the east of England also.

TEMPERATURE

Highest, 54° to 51° on the south and southwest coasts of France; 53° at Scilly, 52° to 51° on the west coast of Ireland.
Lowest, 22° at Arekangel, 31° at Hernösands, 35° at Karlstad; 42° at Tarè; 43° at York and Loughborough, 44° at Paris.
Maxima as high as 60° to 63° were recorded over the inland parts of England; those in Ireland and Scotland were several degrees lower.

WIND

(1) SE^ly to E^ly, moderate, over Scandinavia, E^ly to N^ly over France, and blowing a gale at Nice and Lyons
(2) SSW^ly over Scotland, S^ly over Ireland and the Irish Channel, and blowing very strongly on our extreme northwestern coasts.
It is apparently increasing in force at the western stations.

WEATHER

Fine and bright over Sweden, Norway, and England; dull and hazy over Denmark, Germany, and the eastern half of France, very rainy at Nice, dull and rainlike over the extreme west and northwest of the United Kingdom.
The amounts of rain at our northern and western stations are slight at present, but in the south of France, the measurements up to 8 am were 1·38 in: at Nice, 0·75 in: at Lyons, and 0·28 in: at Biarritz.
Bright Sunshine yesterday was rather abundant at most stations - ranging from 7·6 hrs at York to 12·8 hrs at Scilly; in London however only 2·4 hrs was recorded.

SEA

Rough on our northern coasts and off the south of France, moderate at our southwestern stations, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 18th APRIL 1898

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·06	44	41	ESE	6	o	4
Sumburgh Head	29·81	46	45	NSW	2	o	7
Stornoway	29·78	53	47	SW	4	bc	4
Aberdeen	29·89	51	46	SE	3	bc	4
Shields	29·95	57	50	SW	2	c	2
Ardrossan	29·93	51	49	SSW	3	c	2
Malin Head ...	29·89	49	48	W	3	bc	2
Belmullet	29·94	51	46	SW	4	bc	*
Holyhead	30·03	53	49	SW	3	bc	2
Valencia	30·02	54	49	SW	3	bc	4
Scilly	30·06	53	49	WNW	1	bc	2
Jersey	30·07	55	50	NNW	3	b	3
Hurst Castle ...	30·05	53	51	SW	3	bc	2
Dungeness ...	30·02	53	50	E	2	b	1
North Foreland	30·04	51	47	NNE	1	b	1
London (Westminster)	30·01	55	49	SE	1	cfg	*
Yarmouth ...	30·01	52	48	ESE	2	b	3
Rochefort ...	29·98	63	59	N	3	bc	*

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

Weather in morning fair and bright (1) over northern Europe, central and western Russia, and (2) over the United Kingdom generally and the north of France; dull and rainy over the southern half of France and the greater part of the Mediterranean. Large quantities of rain falling later over the last-named regions, and small quantities still later over the northern and western parts of the United Kingdom; lightning seen at Loughborough.

Temperature fallen over France and England, but rising quickly in England at 8 am. Morning readings highest 69° at La Calle, 60° at Cagliari, and at Barcelona, 55° to 50° over the southwestern and southern parts of France and the north of Spain, 52° at Jersey, 51° at Scilly, 49° along the west coast of Ireland. Lowest 14° at Kajaranda, 17° at Kuopio, 21° at Archangel, 22° at Kharkov, and much below 32° generally. Rising later to between 60° and 63° over the inland parts of England, to 63° at Lisbon and to 65° at Perpignan.

Wind (1) SE to E over the north and east of Germany, Western Russia, the Baltic, and the whole of Scandinavia, and blowing strongly over the two last-named regions. (2) W and SW moderate to light over the United Kingdom (but very variable over the south of England and the Channel. (3) A well formed cyclonic circulation prevailing over Spain, the Mediterranean, and the southern half of France. Backing to the S and in the west of Ireland later.

Barometer (1) highest 308 ins: to 300 ins: in a large anticyclone covering the whole of northern and eastern Europe, (2) 30·52 ins: at Ponta Delgada (Azores), and 303 ins: to 300 ins: over the greater part of the Spanish Peninsula. Lowest (1) below 29·8 ins: over the north of Scotland and the Shetland Islands, and below 29·9 ins: in a secondary over the southern part of the North Sea; (2) 29·8 ins: to 29·9 ins: in another disturbance covering the southwest of France and the northeast of Spain. Latter system moving eastwards later, but a new disturbance approaching our coasts from northwestern

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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, 18th April, 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 ...	30·49	19	NW	0	fog	30·51	+·01	18	17	−4	S	2	fog	*	fog	*	34	10	–
	Hernösand ...	30·47	30	NW	0	fog	30·44	−·03	26	24	−6	NW	0	fog	*	fog	*	36	25	–
	Stockholm ...	30·40	33	SE	2	fog	30·29	−·15	40	36	+1	ESE	4	fog	*	fog	*	45	30	–
	Wisby	30·32	34	SE	4	fog	30·16	−·19	39	34	−4	ESE	8	c	*	fog	*	43	28	–
	Karlstad ...	30·28	37	NE	2	fog	30·25	−·09	35	31	0	NE	2	fog	*	fog	*	*	*	–
	Bodö	30·30	40	SE	2	fog	30·30	+·12	40	35	+1	E	4	fog	1	fog	*	48	34	–
	Christiansund ...	30·16	44	SW	2	fog	30·16	+·04	41	36	−4	SE	1	fog	2	fog	*	55	39	–
	Skudesnaes ...	30·15	43	SSE	4	o	30·09	−·04	42	39	0	ENE	4	fog	2	o	*	46	37	*
	Færder (Christiania Fjord)	30·24	42	E	2	o	30·18	−·09	35	32	−2	NE	5	c	3	o	*	43	34	–
	Skagen (The Scaw)	30·15	46	SE	1	o	30·08	−·14	39	36	−1	E	6	c	2	o	*	48	39	–
	Fanö	30·01	41	E	2	c	29·86	−·23	39	39	−3	ENE	4	r	*	c	*	48	39	–
British Islands.	Sumburgh Head	29·83	47	SSE	4	fog	29·83	·00	43	41	−3	SSE	5	o	7	fog	*	49	39	–
	Stornoway ...	29·57	50	S	5	ou	29·54	−·11	47	45	0	S	5	r	5	r.o	0·0	50	43	0·20
	Wick	29·73	46	S	6	c	29·72	−·05	44	43	−2	S	7	ou	6	c	*	50	43	–
	Nairn	29·70	52	WSW	1	fog	29·66	−·11	50	46	+1	NW	0	o	0	fog	*	56	42	–
	Aberdeen ...	29·81	45	SSE	4	cgl	29·80	−·08	43	41	−3	SE	6	ogql	6	cgl	5·2	50	42	–
	Leith	29·78	58	SW	1	c	29·72	−·14	47	43	−11	ESE	1	o	*	c	*	58	40	–
	Shields	29·82	50	S	2	c	29·80	−·15	45	43	−3	SE	2	m	2	c	*	58	41	–
	Spurn Head ...	29·86	47	SE	4	fog	29·81	−·17	43	41	−5	SE	4	c	4	fog	*	53	41	–
	York	29·85	56	S	1	fog	29·81	−·16	45	42	+2	ESE	1	fog	*	fog	10·3	60	39	–
	Loughborough ...	29·85	59	S	1	fog	29·80	−·20	44	39	−2	SE	2	fogmw	*	fog.fm	*	62	36	–
	Ardrossan ...	29·72	50	SSE	3	om	29·66	−·17	48	47	0	SSE	4	om	4	om	*	51	46	–
	Malin Head ...	29·49	50	SSW	6	o	29·54	−·12	45	46	−2	NNW	3	r	2	o.r	*	51	45	0·35
	Belmullet ...	29·45	50	S	7	r	29·64	+·01	47	43	−4	NNW	4	fog	*	r	*	52	42	0·55
	Donaghadee ...	29·70	48	SSE	7	o	29·64	−·20	48	46	−1	SSE	7	c	4	o	*	52	46	–
	Liverpool (Bidston)	29·82	52	SSW	1	fog	29·74	−·22	49	43	0	E	2	fog	2	fog	*	55	39	–
	Holyhead ...	29·80	49	S	3	c	29·66	−·25	50	46	+2	S	4	c	3	c	*	53	45	–
	Parsonstown ...	29·58	51	SSE	2	r	29·58	−·19	45	44	−4	W	1	or	*	ogqp	0·0	54	43	0·55
	Valencia ...	29·46	51	S	6	rm	29·65	−·03	48	44	−4	NNW	5	cgl	5	rm	0·0	53	44	1·13
	Roche's Point ..	29·63	50	SSW	7	r	29·57	−·25	46	45	−4	NNW	4	r	4	r	*	51	45	0·55
	Pembroke (St. Ann's Hd.)	29·79	48	SW	4	c	29·62	−·30	48	45	0	S	5	c	5	fog	9·1	51	45	–
	Scilly	29·80	53	S	5	c	29·56	−·38	47	46	−6	WNW	3	r	4	fog	11·6	56	42	0·40
	Prawle Point ...	29·88	48	S	3	fog	29·70	−·31	49	47	+1	ESE	4	fog	3	fog	*	51	44	–
	Jersey (St. Aubin's)	29·89	53	NNW	3	fog	29·75	−·27	52	48	+2	ESE	4	fogm	3	fog	*	57	40	–
	Hurst Castle ...	29·90	51	SW	1	fog	29·77	−·24	48	46	+1	ESE	3	cm	2	fog	*	57	42	–
	Dungeness ...	29·91	49	ENE	2	fog	29·79	−·21	47	45	−4	E	3	o	2	fog	*	55	43	–
	North Foreland ...	29·94	44	ENE	1	fog	29·82	−·21	44	42	−5	ENE	3	c	2	fog	*	52	40	–
	London (Brixton) ...	29·90	57	SSW	2	fog	29·82	−·19	46	42	−1	SSE	2	o	*	fog.cg.fog	5·8	64	39	–
	Oxford	29·88	49	SE	1	fog	29·81	−·20	39	38	−9	SE	3	o	*	fog	*	61	33	–
	Cambridge ...	29·90	53	SSE	2	fog	29·82	−·20	45	43	−1	SE	2	fog	*	fog	10·0	64	36	–
	Yarmouth ...	29·95	43	SE	3	fogcf	29·84	−·18	43	41	−4	E	4	c	3	fogcf	*	49	39	–
Germany & Holland	Cuxhaven ...	29·96	46	NE	3	o	29·75	−·30	42	42	−2	N	3	o	*	o	*	50	41	–
	Berlin	29·85	53	SE	2	fog	29·67	−·33	49	48	+5	E	1	r	*	fog	*	55	44	–
	Wiesbaden ...	*	*	*	*	*	29·65	−·26	48	45	0	N	3	c	*	*	*	54	45	–
	Munich	29·73	48	SSE	3	c	29·52	−·41	46	45	−1	W	1	c	*	c	*	52	39	0·04
	The Helder ...	29·94	43	NE	3	fog	29·81	−·23	43	41	+2	NE	2	o	2	fog	*	46	41	–
Belgium.	Brussels ...	*	*	*	*	*	29·79	−·23	41	40	+3	NE	3	o	*	o	*	48	37	–
	Cape Gris Nez ...	?	47	E	2	fog	?	?	46	43	0	SE	1	m	0	fog	*	54	41	–
	Paris	29·82	57	NNE	3	fog	29·77	−·20	45	43	+1	NNE	2	fogc	*	fog	*	62	42	–
	Brest	29·91	52	SW	2	fogc	29·65	−·39	51	49	+4	S	4	r	3	fogc	*	55	45	–
	Lorient	29·89	53	W	4	fog	29·74	−·30	49	48	+5	SSW	3	fogc	3	fog	*	59	41	–
France &	Rochefort ...	29·92	54	NW	5	fog	29·85	−·15	50	48	+5	NW	3	fogc	*	fog	*	61	45	–
	Belfort	29·69	52	ENE	5	q	29·58	−·32	44	44	−1	SW	2	r	*	o	*	56	44	0·04
	Lyons	29·62	51	NW	4	r	29·67	−·22	46	45	0	NW	2	r	*	r	*	52	45	0·24
	Nice	29·49	48	SSW	6	r	29·56	−·13	51	47	−3	E	2	o	5	r	*	55	41	2·33
	Perpignan ...	29·62	52	NW	5	r	29·86	+·07	53	45	+1	NW	4	o	*	r	*	?	49	0·04
	Biarritz ...	29·88	57	NW	5	fog	29·84	−·11	51	47	−3	S	2	fog	2	fog	*	57	46	–
Peninsula.	Corunna ...																*			
	Lisbon	30·02	54	W	3	fogc	29·93	−·21	55	53	+3	S	3	o	*	fogc	*	59	52	0·04
	Azores (P. Delgada)	30·27	59	NNW	3	fogc	30·28	+·07	57	54	−4	NNW	3	o	2	fogc	*	66	55	0·04

For Explanation of Columns, see bottom of last paye. † *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 9·4 hrs;

WEATHER CHARTS

FOR Monday 18th April, 1898

BAROMETER, WIND AND SEA.

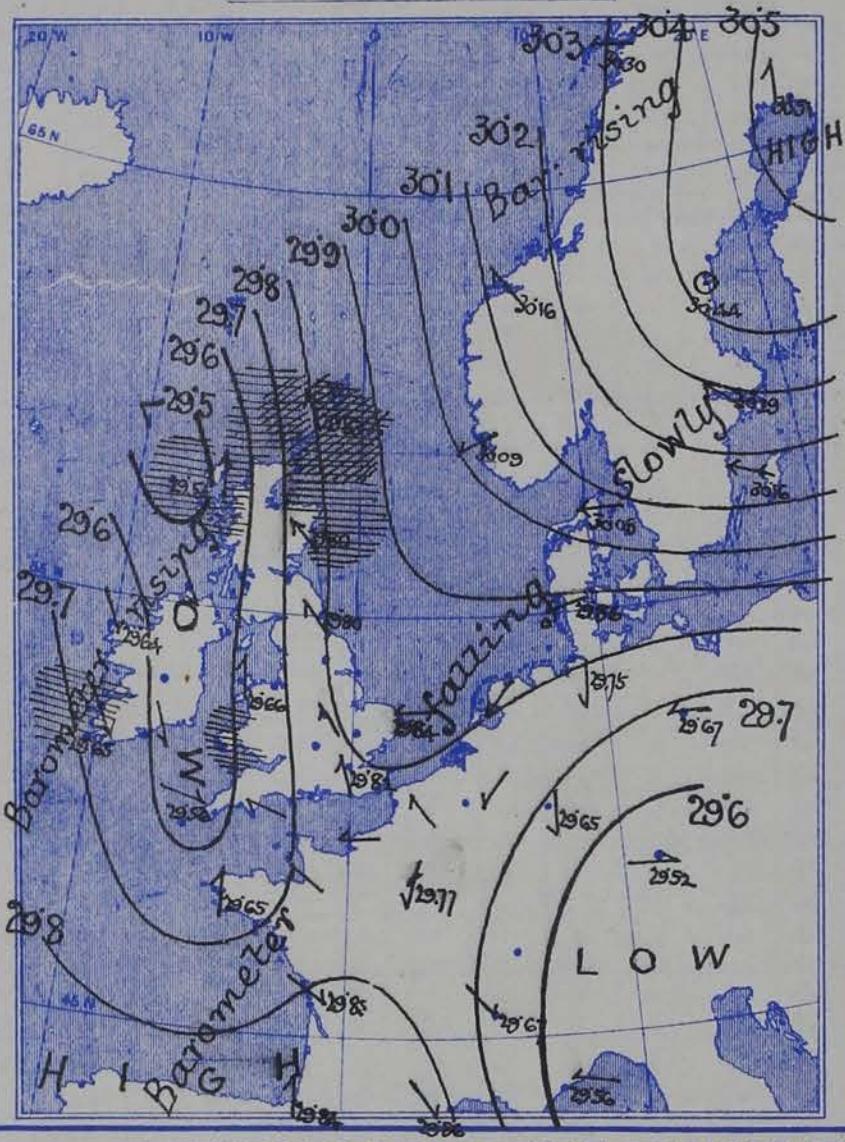
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

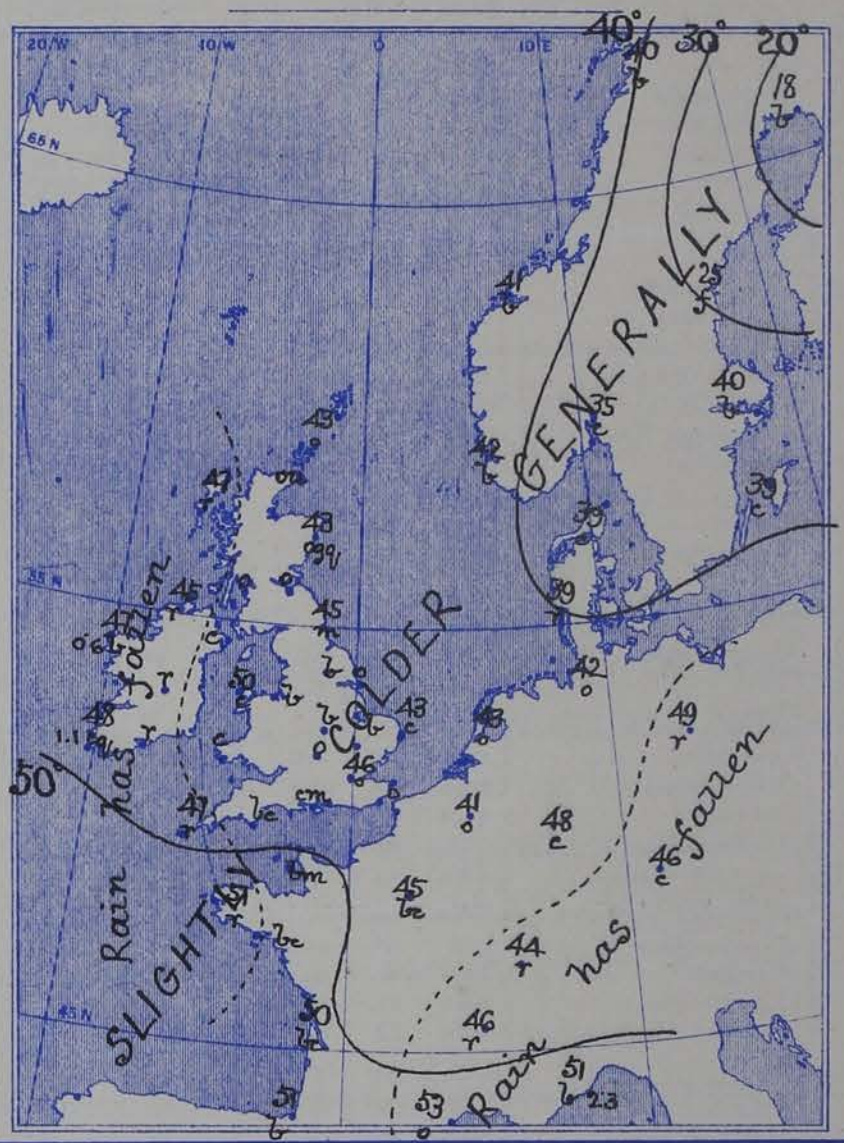


TEMPERATURE & WEATHER.

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 APRIL.

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·5 ins: and more to 30·0 ins: over Scandinavia and nearly the whole of the Baltic; (2) Exceeding 29·9 ins: at Lisbon.
Lowest, Below 29·5 ins: to the westward of Stornoway, and below 29 ins: in a trough stretching southwards over the west of Ireland to the mouth of the English Channel, as well as over South Germany and the southwest of France.
Gradients very variable in direction, rather steep in some places, moderate to slight in others.
Barometer falling over Germany, France, and Great Britain, but has begun to rise steadily in Ireland.

TEMPERATURE

Highest 51° to 49° along the west coast of France, 50° at Holyhead and Nairn, 49° to 47° along our western coasts generally.
Lowest, (1) 18° at Haparanda, 25° at Hernösand, 35° at Karlstad; (2) 39° at Oxford, 41° at Loughborough.
The maxima recorded yesterday ranged from 64° to 60° over the inland parts of England, but were about ten degrees lower over Ireland. At Yarmouth the maximum was only 49°.

WIND

Varies greatly – It is E. over the southern half of Scandinavia, SE. to S. over Great Britain and the Irish Sea, but WNW. at Scilly and NNW. over Ireland, and NE. to NW. over North Germany and the greater part of France.
The S. wind has blown hard on our western and northern coasts during the night or yesterday, and is still strong at some stations this morning. The E. wind is very strong at Wick.

WEATHER

In a very unstable condition generally, fine over Scandinavia and the greater part of England, and the northern parts of France, but dull and rainy over the northwestern and western parts of the Kingdom, the east of France and several parts of Germany.
Much rain has fallen over Ireland and the southern parts of France. Bright Sunshine recorded yesterday amounted to between 10 and 13 hours in the south of England, to 10 hrs: at Cambridge and York: at the Irish stations there was none.

SEA

Very rough on our northern coasts, rather so in the west slight to smooth in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "trough" in the west is apparently breaking up, and fair weather is probable over the eastern half of England; as a whole, however, the distribution of, and changes in pressure are becoming complex, and the tendency for rain before long is increasing.

FORECASTS

For the 24 hours ending at NOON on 19th APRIL 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	S. gales and rain, veering to W. or NW. later, with finer, colder weather.	▼ 6 SCOTLAND WEST	Same as Nos. 0 and 1.
▼ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.	SE. and E. winds, moderate; fair as a whole.	8 ENGLAND S.W.	Very Variable moderate breezes; weather clearing up. Very cool tonight.
3 ENGLAND EAST		9 IRELAND NORTH	NW. breezes, moderate to light; weather clearing up. Very cool tonight.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 7 pm yesterday to districts 0, 1, and 8, Hoist South Cone. At 10·40 am today to districts 8, 9, and 10, Lower Cone. It is now up in districts 0, 1, 6, and 7.

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 ...	30.14	46	43	SE	2	0	2
Sumburgh Head							
Stornoway	29.61	50	47	S	5	0	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.59	50	49	SSW	5	0	3
Belmullet	29.52	51	49	S	4	*	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.96	54	48	NW	3	b	3
Hurst Castle ...							
Dungeness ...	29.95	54	48	ENE	2	b	1
North Foreland	29.98	50	47	ENE	1	b	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.96	58	57	NE	4	bc	*

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

Continental Information not received

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLES AND THEIR NEIGHBOURHOOD FROM THE 10TH TO THE 16TH APRIL 1898.

In the course of this week the weather over the British Islands has been affected very much by the advance to our shores from the Atlantic, of three well marked, but not very deep, primary depressions, and the passage directly over England of two secondary disturbances.

Of the primary systems the first reached the Hebrides and extreme northwest of Scotland early on the morning of Sunday April 10th, and travelled away to the northward during the next 48 hours.

The second lay off the west of Scotland early on Wednesday (13th), and disappeared during the succeeding 36 hours.

The third lay over the northern counties of Scotland and adjacent parts of the Atlantic on the morning of Saturday.

To these the bulk of the rain experienced on our northwestern coasts was due, as well as some gales and strong winds from the S and SW felt in those regions.

Secondary Depressions

The first of these approached the southwest of England and South Wales during Monday, and, increasing in depth, passed across the southern half of England in an easterly direction, was between Norfolk and Holland on Tuesday morning, and finally passed away over Germany, after causing fresh W gales in the English Channel.

The second lay over the mouth of the English Channel at 8am on Thursday, 14th, and moving northeastward and northward reached Yorkshire by the following morning and the east of Scotland on the following evening

These two disturbances caused the bulk of the rainfall measured over England, and the rather large fall which occurred in the east of Scotland on Friday. Between the systems the weather was very fine and bright.

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 19th April, 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 ... †	30·49	21	NE	0	fb	30·48	−·03	20	18	+ 2	N	2	fb	*	fb	*	34	7	—
	Hernösand ... †	30·40	27	NE	0	fb	30·36	−·08	30	27	+ 5	N	2	fb	*	fb	*	39	14	—
	Stockholm ... †	30·50	35	E	5	0	30·04	−·25	34	32	− 6	E	5	0	*	0	*	41	30	—
	Wisby ... ... †	29·94	36	E	6	r	29·80	−·36	34	33	− 5	SE	8	s	*	r	*	41	30	0·43
	Karlstad ... †	30·12	37	NE	4	c	30·04	−·21	34	31	− 1	NE	4	0	*	0	*	*	*	—
	Bodö	30·33	37	E	2	fb	30·33	+ ·03	39	33	− 1	E	4	fb	1	fb	*	46	34	—
	Christiansund ...	30·09	44	ENE	1	fb	30·15	−·01	40	34	− 1	ENE	3	fb	2	fb	*	50	37	—
	Skudesnaes ...	30·05	42	SE	2	fbc	30·09	·00	40	36	− 2	ENE	4	fb	2	fbc	*	50	34	*
	Færder (Christiania Fjord)	30·09	40	ENE	6	0	30·06	−·12	33	32	− 2	NNE	6	s	3	0	*	41	32	—
	Skagen (The Scaw)	29·96	34	E	5	s	29·91	−·17	33	33	− 6	ENE	5	s	1	s	*	43	34	0·12
	Fanö	29·84	37	ENE	4	0	29·87	+·01	37	35	− 2	NNE	3	0	*	0	*	43	36	—
British Islands.	Sumburgh Head	29·88	43	SSE	4	c	29·94	+·11	43	40	0	SSE	4	0	6	c	*	45	38	—
	Stornoway ...	29·67	45	N	4	r	29·82	+·28	43	42	− 4	WSW	2	fb	2	0,r	0·0	47	33	0·65
	Wick	29·77	44	S	7	0	29·88	+·16	43	42	− 1	S	6	ow	6	0	*	45	40	—
	Nairn	29·71	50	SSE	3	c	29·87	+·21	48	45	− 2	L	0	0	0	c	*	58	42	—
	Aberdeen ...	29·86	42	SSE	4	ogq	29·96	+·16	41	40	− 2	SSE	4	orgq	5	ogq	0·0	44	41	0·01
	Leith	29·73	52	SE	3	bc	29·89	+·17	43	40	− 4	S	1	0	*	bc	*	62	40	—
	Shields	29·83	44	SE	3	c	29·95	+·15	44	42	− 1	SE	3	c	3	cm,c	*	46	40	—
	Spurn Head ...	29·82	44	ESE	4	c	29·95	+·14	42	41	− 1	ENE	3	ov	3	c,cv	*	47	41	—
	York	29·82	49	E	1	fb	29·95	+·14	43	41	− 2	E	1	0	*	fb	9·7	54	40	—
	Loughborough ...	29·78	53	E	2	fb	29·94	+·14	43	40	+ 2	ESE	2	cmw	*	bc,b,o,c	*	59	37	—
	Ardrossan ...	29·71	51	S	2	c	29·87	+·21	45	45	− 3	ESE	2	rm	2	c	*	52	44	0·08
	Malin Head ...	29·71	44	N	1	c	29·83	+·29	48	47	+ 3	S	1	fb	0	r,c	*	48	39	0·24
	Belmullet ...	29·78	50	NNW	2	fb	29·85	+·21	47	44	0	SSE	3	fb	*	fb	*	51	40	—
	Donaghadee ...	29·72	49	SSW	4	c	29·88	+·24	47	45	− 1	NW	3	c	1	c	*	51	44	0·02
	Liverpool (Bidston)	29·73	55	SE	3	fb	29·91	+·17	46	42	− 3	SSE	2	c	3	fbm	*	59	39	—
	Holyhead ...	29·74	49	NW	2	cm	29·87	+·21	48	46	− 2	SW	1	cm	1	c,cm	*	57	42	—
	Parsonstown ...	29·72	51	NNW	1	bc	29·89	+·31	43	41	− 2	L	0	fb	*	bc	2·5	51	30	0·03
	Valencia ...	29·79	50	NNW	4	bc	29·87	+·22	46	43	− 2	E	1	fb	2	bcq,bc	10·8	52	34	—
	Roche's Point ..	29·72	52	NNW	5	cq	29·89	+·32	47	45	+ 1	N	1	fb	2	cq	*	54	40	0·02
	Pembroke (St. Ann's Hd.)	29·68	50	SE	3	0	29·86	+·24	47	43	− 1	ESE	3	fbm	4	0	1·2	51	43	—
	Scilly	29·55	48	NW	6	rm	29·82	+·26	52	50	+ 5	NE	3	cw	4	cm,rm	0·5	52	46	0·07
	Prawle Point ...	29·67	47	ESE	4	c	29·84	+·14	45	44	− 4	NE	4	0	3	c	*	51	43	—
	Jersey (St. Aubin's)	29·68	54	SW	3	og	29·82	+·07	49	47	− 3	SE	4	og	3	bc,og,p	*	59	46	0·02
	Hurst Castle ...	29·73	50	E	3	fbcm	29·86	+·09	46	45	− 2	ENE	4	cm	3	bm,bcm	*	55	45	—
	Dungeness ...	29·76	47	NE	3	fbc	29·89	+·10	47	44	0	ENE	4	bc	3	bc	*	52	42	—
	North Foreland	29·81	45	NE	2	c	29·92	+·10	47	45	+ 3	E	2	bc	2	b,c	*	48	42	—
	London (Brixton) ...	29·78	49	E	2	fb	29·92	+·10	47	43	+ 1	ENE	2	c	*	bc,b	6·9	58	41	—
	Oxford	29·79	47	ESE	3	fbm	29·92	+·11	44	42	+ 5	E	2	fbcm	*	fbm	*	58	38	—
	Cambridge ...	29·80	51	ESE	2	fbc	29·95	+·13	44	42	− 1	ESE	1	0	*	fbc	10·8	59	33	—
	Yarmouth ...	29·82	43	ENE	4	fbc	29·95	+·11	44	42	+ 1	E	4	cv	4	c,bc	*	47	40	—
Germany & Holland.	Cuxhaven ...	29·71	41	NE	4	0	29·88	+·13	39	39	− 3	N	2	c	*	0	*	45	37	—
	Berlin	29·58	49	NW	3	r	29·84	+·17	42	41	− 7	WNW	4	r	*	r	*	52	41	—
	Wiesbaden ...	*	*	*	*	*	29·95	+·30	46	42	− 2	NW	2	0	*	*	*	52	45	—
	Munich... ..	29·73	48	W	6	c	29·99	+·47	48	45	+ 2	W	4	c	*	c	*	59	45	—
	The Helder ...	29·80	42	NNE	3	0	29·95	+·14	42	38	− 1	NE	1	c	1	0	*	45	39	—
Belgium.	Brussels ...	*	*	*	*	*	29·95	+·16	46	41	+ 5	ENE	3	bc	*	0	*	47	37	—
	Cape Gris Nez...	?	46	E	2	m	?	?	43	41	− 3	SE	1	m	1	m	*	52	36	—
	Paris	29·78	54	NE	2	fb	29·90	+·13	46	45	+ 1	SSE	2	0	*	fb	*	59	31	—
	Brest	29·63	49	W	4	c	29·76	+·11	49	47	− 2	N	2	c	3	c	*	52	39	0·24
	Lorient... ...	29·68	48	WNW	4	r	29·74	·00	46	45	− 3	NNW	5	c	4	r	*	59	45	0·59
France &	Rochefort ...	29·85	51	WSW	5	r	29·91	+·06	50	47	0	WSW	4	fb	*	r	*	63	45	0·08
	Belfort	29·79	44	SW	4	r	29·96	+·38	45	45	+ 1	L	0	m	*	r	*	53	40	0·51
	Lyons	29·85	50	ESE	1	c	29·99	+·32	46	44	0	SW	1	c	*	c	*	52	40	—
	Nice	29·76	51	NE	2	fbc	30·00	+·44	51	49	0	E	1	fb	2	bc	*	59	45	0·12
	Perpignan ...	29·83	60	SE	1	0	29·99	+·13	55	50	+ 2	WSW	1	fb	*	0	*	68	46	—
	Biarritz ...	29·84	58	NW	3	c	29·99	+·15	49	47	− 2	S	3	0	2	c	*	61	48	0·08
Penin-sula.	Corunna ...																*			
	Lisbon	29·94	55	NNW	5	0	30·05	+·12	54	49	− 1	NNW	5	c	*	0	*	64	52	0·04
	Azores (P. Delgada)	30·30	58	NNW	1	bc	30·26	−·02	58	56	+ 1	N	1	0	2	bc	*	64	55	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 11·2 hrs;

WEATHER CHARTS

FOR Tuesday, 19th April, 1898

BAROMETER, WIND AND SEA.

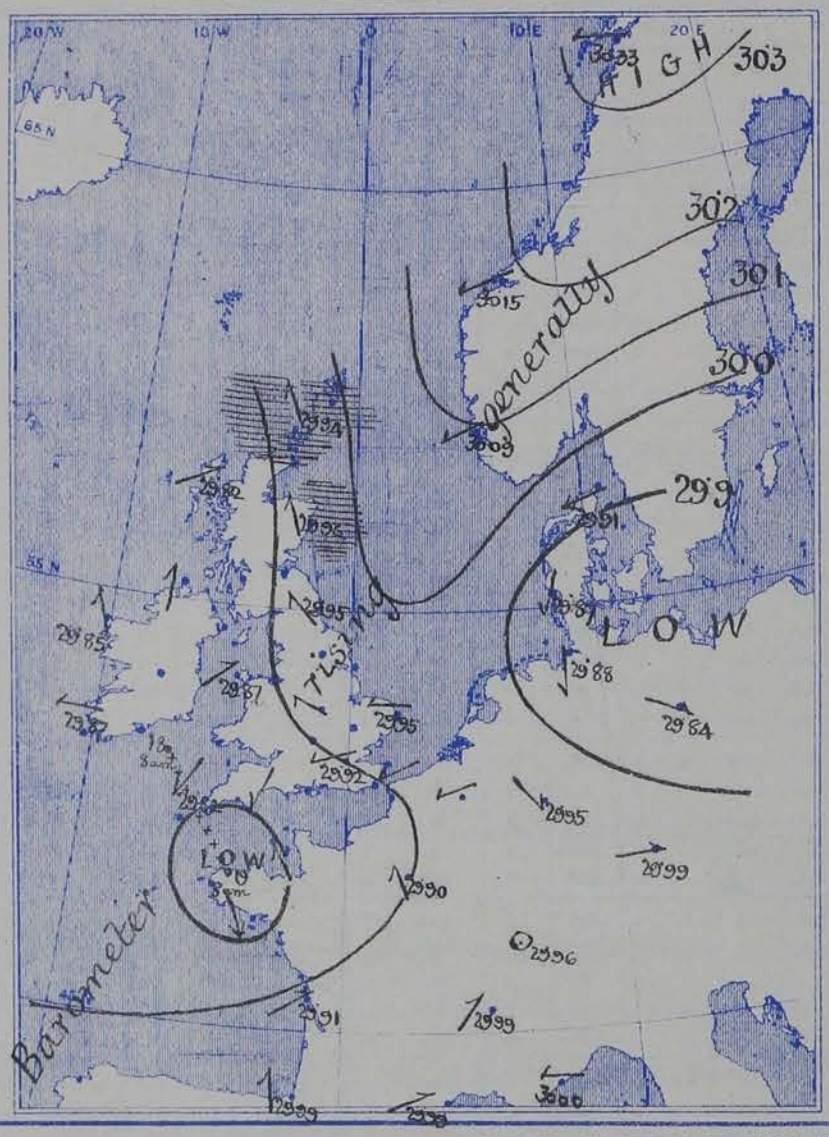
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

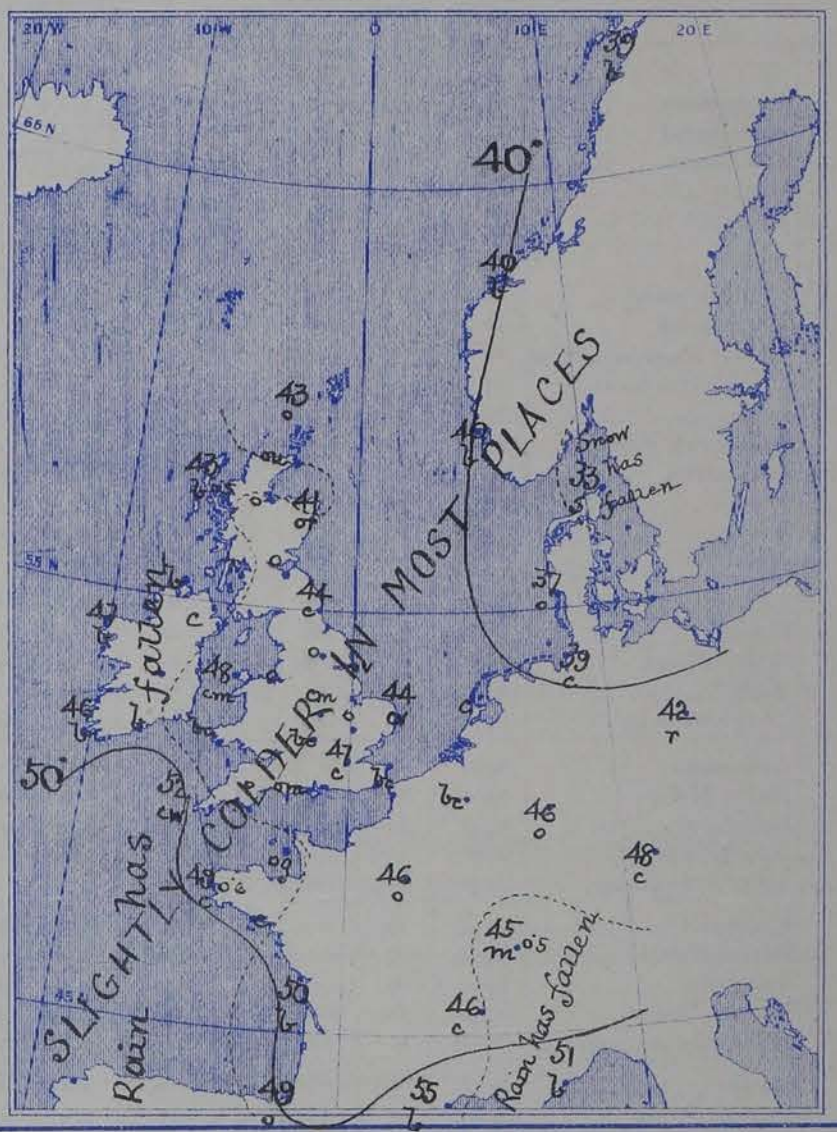


TEMPERATURE & WEATHER.

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 APRIL.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 869	42 · 1	40 · 4	46 · 2	36 · 9	54	1893, 94, 95	22	1895	1 · 95	—	—
Stornoway	29 · 845	43 · 8	42 · 3	49 · 2	37 · 1	67	1893	20	1881	2 · 49	159 · 0	37
Wick	29 · 866	43 · 3	41 · 3	49 · 3	37 · 0	69	1875	23	1892	1 · 63	—	—
Nairn	29 · 868	43 · 0	40 · 7	51 4	36 · 9	72	1875	21	1892	1 · 21	—	—
Aberdeen	29 · 885	43 · 5	40 · 8	49 · 6	38 · 0	72	1892	23	1881, 92	1 · 96	154 · 0	36
Leith	29 · 887	44 · 2	41 · 8	52 2	37 · 9	75	1875	23	1881	1 · 46	—	—
Shields	29 · 891	43 · 6	41 · 4	49 · 3	38 · 4	71	1892	25	1892	1 · 65	—	—
Spurn Head	29 · 887	44 · 1	42 · 4	48 · 6	40 · 2	67*	1885	30*	1881, 89	1 · 35	—	—
York	29 · 901	43 · 7	41 · 6	54 · 0	37 · 5	78	1893	22	1881, 91	1 · 68	139 · 4	33
Loughborough	29 · 905	44 · 1	41 · 8	55 · 7	37 · 7	81*	1893	23*	1891, 92	1 · 71	—	—
Ardrossan	29 · 879	44 · 6	42 · 4	51 · 7	39 · 4	73	1874	26	1892	2 · 03	—	—
Malin Head	29 · 855	44 · 2	42 · 2	50 · 1	41 · 7	—	—	—	—	—	—	—
Belmullet	29 · 863	46 · 5	44 · 3	52 · 2	42 · 7	—	—	—	—	2 · 48	—	—
Donaghadee	29 · 883	44 · 8	43 · 1	51 · 2	40 · 5	64	1873, 74, 75	30	1876, 82, 95	1 · 86	—	—
Holyhead	29 · 880	46 · 0	44 · 0	51 · 7	42 · 0	75	1874, 93	31	1881, 92	1 · 86	—	—
Liverpool	29 · 892	45 · 2	42 · 2	53 · 0	40 · 4	75	1893	29	1881	1 · 54	—	—
Parsonstown	29 · 883	45 · 1	42 · 7	54 · 9	38 · 2	73	1893	21	1892	2 · 04	155 · 8	38
Valencia	29 · 871	48 · 4	45 · 9	54 · 3	43 · 0	70	1892	30	1879, 92	3 · 67	171 · 5	42
Roche's Point	29 · 873	47 · 0	44 · 7	53 · 8	42 · 4	72	1893	31	1892	3 · 06	—	—
Pembroke	29 · 875	45 · 4	43 · 7	50 · 7	42 · 0	70	1893	30	1879, 81	1 89	185 · 9	45
Scilly	29 · 872	48 · 8	46 · 8	52 · 3	44 · 9	66	1893	32	1876	2 · 15	—	—
Prawle Point	29 · 890	46 · 6	44 · 9	52 · 3	41 · 1	69*	1893	29*	1888	1 · 94	—	—
Jersey	29 · 893	48 · 8	46 · 1	54 · 7	43 · 7	84	1874	32	1871, 76, 92	2 · 01	196 · 3	48
Hurst Castle	29 · 893	45 · 8	44 · 4	52 · 8	41 · 3	74	1893	26	1887	1 · 72	—	—
Dover	29 884	46 · 4	44 · 1	51 · 4	41 · 4	69	1873	25	1892	1 61	—	—
LONDON	29 · 901	46 · 2	43 · 2	56 · 6	39 · 8	82	1893	27	1873, 84, 87, 92	1 · 70	113 · 9†	28†
Oxford	29 · 907	44 · 4	42 · 1	55 · 2	38 · 8	80	1893	23	1892	1 · 66	152 · 1	37
Cambridge	29 · 904	45 · 7	43 · 0	56 · 7	37 · 1	84	1893	21	1878	1 · 56	157 · 7	38
Yarmouth	29 · 894	44 · 7	43 · 0	49 · 2	40 · 0	72	1885	25	1878	1 · 63	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.3 ins. and upwards over the N. of Scandinavia; 30.1 ins. and upwards in an anticyclone extending from Scandinavia over the northern parts of the North Sea.
Lowest 29.8 ins. and less in a small depression lying over Brittany and the western parts of the English Channel, 29.9 ins. a less in a larger disturbance over Denmark & Germany.
Gradients slight. Barometer rising generally, but very slightly in the west of Ireland.

TEMPERATURE — Highest 55° at Perpignan, 52° at Sicily, 51° at Nice, 50° at Rochefort and 49° at Jersey, Brest & Biarritz.
Lowest 33° at Faerder and Skagen, 37° at Fano, and 39° at Bodö and Cuxhaven, lowest in our Islands 41° at Aberdeen, and 42° at Spurn Head.
During yesterday the thermometer rose to 55° and upwards at several of the English stations and to 62° at Leith. On our E. and SE. coasts, however, it did not reach 50°.

WIND — Light to moderate from the E^nd. over England and the north of France, but W^ly or SW^ly over the southern parts of France.
Variable in Ireland, but S^ly in Scotland, and strong in force at Wick.
NE^ly on the Norwegian coasts; N^ly in Denmark, NW^ly or W^ly in Germany.

WEATHER — Fine in Ireland and also in the W. of Norway and the S^rn. parts of France.
Cloudy or overcast elsewhere, with rain at Aberdeen and Ardrossan, as well as at Berlin, and with snow at Faerder and Skagen.
A little rain fell yesterday at some of our W^rn. and extreme N^rn. stations, and larger quantities in many parts of France. A Solar halo was seen at Jersey.

SEA — Rough off the N. of Scotland, and moderate on our SW. coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V shaped" depression noticed over our W^rn. coasts yesterday morning has broken into two portions, one of which has passed away to the N^nd, while the other is now moving S^wds across Brittany. The rise of the barometer in the extreme W. appears to be blackening considerably, and it is not unlikely that further depressions will shortly appear off the Irish coasts.

FORECASTS

For the 24 hours ending at NOON on 20TH APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly and SE^ly winds moderate or fresh, cloudy at first, with some rain, then fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E^ly and SE^ly winds, light; fair generally.
3	ENGLAND EAST	E^ly winds, light or moderate; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	S^ly and SE^ly winds, light; fair generally.
8	ENGLAND S.W.	NE^ly to SE^ly winds, moderate; fair generally.
9	IRELAND NORTH	Variable breezes, finally SE^ly; fair at first, cloudy later, with some rain.
10	IRELAND SOUTH	
	WARNINGS	At 4 pm. yesterday to districts 0, 1, 6 and 7. Lower South Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·06	50	45	SE	4	b	2
Sumburgh Head	29·88	44	41	SSE	5	o	7
Stornoway	29·63	47	46	SW	4	o	4
Aberdeen	29·82	43	41	SSE	6	ogq	6
Shields	29·80	45	43	SE	4	cm	2
Ardrossan	29·69	50	49	SSE	2	c	2
Malin Head ...	29·63	44	44	NNW	3	r	2
Belmullet	29·74	50	45	NNW	2	b	*
Holyhead	29·69	55	48	SW	3	c	2
Valencia	29·74	52	46	NNW	5	bcq	5
Scilly	29·55	50	48	NNW	4	c	3
Jersey	29·69	58	52	ESE	2	bc	2
Hurst Castle ...	29·74	54	50	ESE	3	bm	2
Dungeness ...	29·78	49	46	ENE	3	bc	2
North Foreland	29·80	48	45	NE	2	b	2
London (Westminster)	29·76	54	50	ESE	2	bcm	*
Yarmouth ...	29·81	47	45	E	4	c	4
Rochefort ...	29·85	58	53	W	3	c	*

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

Weather in morning fine at some of the English stations, as well as in the N. and W. of France, Scandinavia and N^rn Russia. Cloudy or dull elsewhere, with rain at many of our own W^rn stations, as well as over central France, N^rn Italy, Denmark and N. Germany, and snow at Copenhagen. A little rain falling later in the SW. and extreme N. of our Islands, and larger quantities at some of the French stations.

Temperature fallen a little over the greater part of NW^rn, N^rn and central Europe, but risen elsewhere. Morning readings highest 62° at Palermo, 61° at Barcelona and Malta, and 60° at Algiers; above 55° at the Mediterranean and Adriatic stations generally. Lowest 18° at Haparanda, 23° at Kuopio, 25° at Hernösand, and 27° at Archangel. Rising during day to 55° and upwards at many of the English stations, and to 62° at Leith; exceeding 60° also over the Spanish peninsula and the S. of France, and reaching 68° at Perpignan.

Wind S^rly or SE^rly over Gt. Britain, and strong in force in the north of Scotland, but NW^rly in Ireland. E^rly over Scandinavia, Denmark, N. Germany and the Baltic, with a gale at Wisby; NE^rly over the Netherlands; N^rly or NW^rly in France; S^rly in Italy; SE^rly in Austria and Russia. Variable over the Spanish peninsula. Subsequently shifting to the W^rd or NW^rd on the west coasts of Gt. Britain; no decided change occurring elsewhere.

Barometer highest 30.6 ins. over Russia; 30.1 ins. and upwards in an anticyclone extending thence over Scandinavia. Lowest 29.6 ins. and less in a "V shaped" depression over our own western coasts, and also in another disturbance over S. Germany, Switzerland and the SE. of France. W^rn depression subsequently breaking into two portions,- one passing away to the N^rd, and the other moving SE^rd over the W^rn part of the English Channel

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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 20th April, 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 ...	30·41	27	L	0	b	30·41	− ·07	29	27	+ 9	N	2	b	#	b	#	43	20	—
	Hernösand ...	30·37	25	L	0	c	30·28	− ·08	32	30	+ 2	N	2	b	#	c	#	41	18	—
	Stockholm ...	29·98	32	E	8	s	29·99	− ·05	33	32	− 1	NE	8	s	#	s	#	36	30	0·67
	Wisby	29·71	39	SE	6	r	29·84	+ ·04	36	36	+ 2	S	4	o	#	r	#	39	32	0·51
	Karlstad ...	30·08	31	NNE	4	s	30·09	+ ·05	33	32	− 1	N	4	s	#	s	#	#	#	0·20
	Bodö	30·35	36	E	2	b	30·34	+ ·01	40	34	+ 1	E	4	b	1	b	#	45	32	—
	Christiansund ...	30·15	44	NE	2	b	30·23	+ ·08	39	35	− 1	L	0	c	1	b	#	48	37	—
	Skudesnaes ...	30·15	41	N	2	b	30·21	+ ·12	40	37	0	E	4	b	1	b	#	48	32	#
	Færder (Christiania Fjord)	30·12	36	NNE	5	o	30·15	+ ·09	37	33	+ 4	NNE	5	o	0	o	#	37	32	0·04
	Skagen (The Scaw)	30·05	36	ENE	5	o	30·10	+ ·19	36	34	+ 3	NE	5	o	1	o	#	37	33	0·04
	Fanö	30·05	38	NNE	4	o	30·12	+ ·25	37	35	0	NNE	2	o	#	o	#	43	36	—
	Sumburgh Head	29·98	42	SSE	4	o	30·00	+ ·06	42	40	− 1	SSE	4	o	6	o	#	45	36	—
	Stornoway ...	29·81	49	SSE	3	b	29·77	− ·05	48	46	+ 5	SSW	4	o	4	b	11·3	52	40	—
	Wick	29·89	45	S	7	c	29·93	+ ·05	45	42	+ 2	S	7	bc	6	c	#	47	42	—
	Nairn	29·87	48	L	0	o	29·90	+ ·03	52	48	+ 4	S	1	m	1	o	#	52	37	0·03
	Aberdeen ...	29·98	42	SSE	3	c	30·02	+ ·06	44	41	+ 3	SSE	4	cq	4	ogq, c	0·0	45	41	0·04
	Leith	29·88	52	S	2	c	29·97	+ ·08	45	41	+ 2	ESE	2	o	#	c	#	56	39	—
	Shields	29·97	44	ESE	3	bcm	30·03	+ ·08	44	41	0	SE	2	m	3	c, bcm	#	46	40	—
	Spurn Head ...	29·98	43	ESE	4	cv	30·05	+ ·10	45	43	+ 3	ESE	3	cv	3	cv	#	47	42	—
	York	29·97	46	SE	2	o	30·05	+ ·10	44	41	+ 1	ESE	2	bc	#	o	0·2	49	39	—
	Loughborough ...	29·94	53	ESE	2	b	30·05	+ ·11	42	40	− 1	SE	2	omr	#	bc, b, o, c	#	57	37	—
British Isles	Ardrossan ...	29·85	49	SE	1	o	29·90	+ ·03	47	45	+ 2	ESE	4	om	3	om	#	49	44	0·01
	Malin Head ...	29·75	52	SSE	4	bc	29·74	− ·09	45	45	− 3	S	5	r	3	b, bc	#	52	43	0·13
	Belmullet ...	29·74	49	S	5	r	29·84	− ·01	51	49	+ 4	? W	3	b	#	o, r	#	54	43	0·38
	Donaghadee ...	29·86	49	SSE	3	bc	29·88	·00	47	47	0	S	6	r	4	bc	#	50	45	0·01
	Liverpool (Bidston)	29·90	51	ESE	2	c	29·98	+ ·07	44	42	− 2	ESE	4	o	?	cm	#	53	38	—
	Holyhead ...	29·89	51	S	1	cm	29·92	+ ·05	47	46	− 1	S	3	dm	2	om, cm	#	57	44	—
	Parsonstown ...	29·79	53	S	1	o	29·84	− ·05	51	48	+ 8	W	2	bc	#	bc, or	9·7	58	42	0·23
	Valencia ...	29·73	49	SSE	5	rmg	29·94	+ ·07	52	49	+ 6	WNW	4	bc	4	o, rgm	5·1	53	45	0·46
	Roche's Point ..	29·83	50	SSW	5	o	29·91	+ ·02	52	50	+ 5	NNW	5	bc	4	o, r	#	52	47	0·42
	Pembroke (St. Ann's Hd.)	29·88	49	SSE	3	b	29·93	+ ·07	47	46	0	SSE	4	rg	4	b	11·0	51	45	0·01
	Scilly	29·92	53	WSW	3	c	29·90	+ ·08	50	50	− 2	SSE	5	m	4	c	9·5	57	47	0·02
	Prawle Point ...	29·91	48	ENE	2	c	30·00	+ ·16	47	45	+ 2	E	2	c	2	c	#	52	44	—
	Jersey (St. Aubin's)	29·89	54	N	3	b	30·03	+ ·21	53	50	+ 4	ENE	2	bcm	2	bc, bmw	#	59	40	—
	Hurst Castle ...	29·92	51	ESE	2	bm	30·03	+ ·17	46	44	0	ENE	1	bcm	1	cm, bm	#	55	36	—
	Dungeness ...	29·91	46	ENE	4	b	30·02	+ ·13	46	45	− 1	ENE	3	of	2	r, b	#	51	42	—
Germany & Holland	North Foreland	29·98	45	ENE	3	o	30·04	+ ·12	48	46	+ 1	ENE	3	bc	2	c, o	#	49	43	—
	London (Brixton) ...	29·96	48	E	3	b	30·04	+ ·12	47	44	0	E	2	o	#	bc, c	1·8	56	42	—
	Oxford	29·97	48	ESE	2	c	30·05	+ ·13	43	41	− 1	E	1	o	#	c	#	54	35	—
	Cambridge ...	29·97	51	ESE	2	b	30·06	+ ·11	44	43	0	E	1	b	#	b	6·4	59	30	—
	Yarmouth ...	30·00	44	E	4	bcv	30·06	+ ·11	44	42	0	ESE	4	cv	4	c, bcv	#	46	41	0·02
	Cuxhaven ...	30·01	41	NW	2	c	30·09	+ ·21	39	39	0	NE	1	o	#	c	#	41	37	—
	Berlin	30·05	43	W	3	o	30·10	+ ·26	43	39	+ 1	L	0	bc	#	o	#	48	41	—
	Wiesbaden ...	#	#	#	#	#	30·10	+ ·15	50	47	+ 4	SW	1	o	#	#	#	61	45	0·04
	Munich... ..	30·08	51	L	0	c	30·15	+ ·16	48	45	0	NW	4	o	#	c	#	59	39	—
	The Helder ...	30·03	42	NE	1	bc	30·08	+ ·13	42	37	0	E	1	c	1	bc	#	45	41	—
France & Belgium	Brussels ...	#	#	#	#	#	30·04	+ ·09	48	45	+ 2	S	2	bc	#	o	#	57	38	0·04
	Cape Gris Nez ...	?	48	E	3	bc	?	?	45	43	+ 2	ESE	1	m	0	bc	#	54	39	—
	Paris	29·93	55	SSE	3	b	30·04	+ ·14	47	46	+ 1	WSW	2	bc	#	b	#	61	41	0·04
	Brest	29·95	51	NNW	2	bc	29·98	+ ·22	50	46	+ 1	SSE	3	o	3	bc	#	54	46	0·04
	Lorient... ...	29·93	51	WNW	4	c	30·03	+ ·29	50	48	+ 4	SW	2	?	2	c .	#	61	45	—
	Rochefort ...	30·01	53	WNW	5	b	30·12	+ ·21	50	45	0	W	2	c	#	r, b	#	57	45	0·24
	Belfort	30·01	48	WSW	2	r	30·09	+ ·13	45	42	0	WSW	1	m	#	r	#	59	42	0·12
	Lyons	30·06	49	SSE	1	o	30·12	+ ·13	46	46	0	NNW	1	c	#	fkr, o, b	#	56	44	0·32
	Nice	30·10	53	SSE	2	bc	30·06	+ ·06	51	45	0	E	2	bc	0	bc	#	61	45	—
	Perpignan ...	30·06	57	L	0	o	30·10	+ ·11	53	51	− 2	L	0	b	#	o	#	65	48	—
	Biarritz ...	30·03	57	WNW	3	b	30·04	+ ·05	46	44	− 3	ESE	2	c	3	b	#	59	43	—
Peninsula	Corunna ...																#			
	Lisbon	30·13	53	NNW	5	b	30·14	+ ·09	57	53	+ 3	WSW	2	bc	#	b	#	61	52	—
	Azores (P. Delgada)	30·29	62	SW	3	c	30·26	·00	62	60	+ 4	WSW	2	o	2	c	#	66	58	—

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

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

Bright Sunshine yesterday Southport 10·3 hrs;

WEATHER CHARTS

FOR Wednesday, 20th April. 1898

BAROMETER, WIND AND SEA.

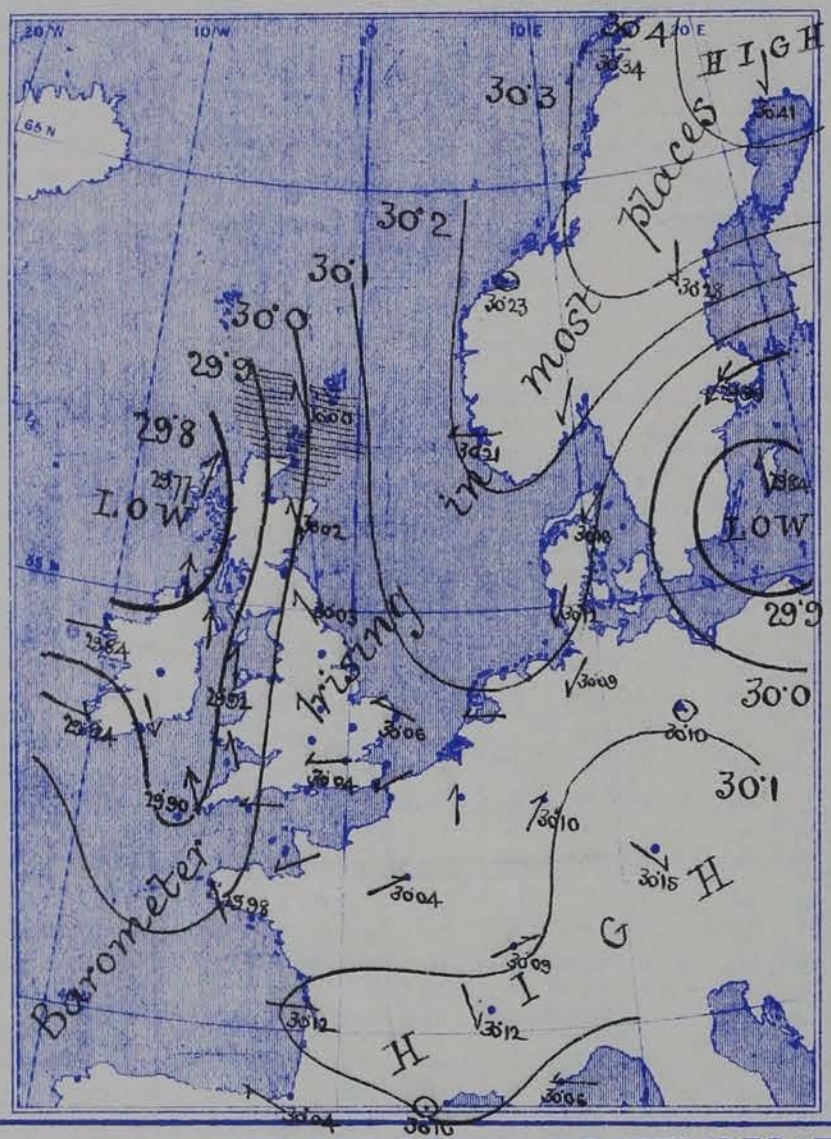
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

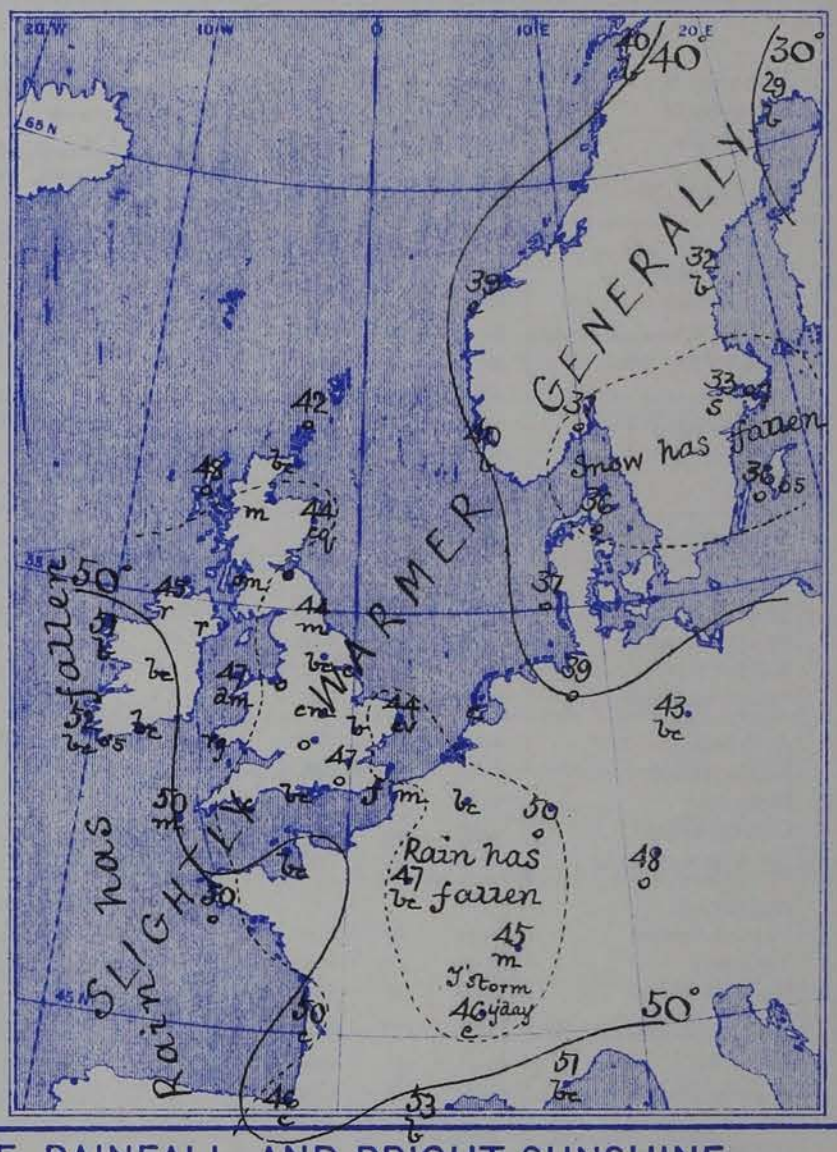


TEMPERATURE & WEATHER.

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 APRIL.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·869	42·1	40·4	46·2	36·9	54	1893, 94, 95	22	1895	1·95	—	—
Stornoway	29·845	43·8	42·3	49·2	37·1	67	1893	20	1881	2·49	159·0	37
Wick	29·866	43·3	41·3	49·3	37·0	69	1875	23	1892	1·63	—	—
Nairn	29·868	43·0	40·7	51 4	36·9	72	1875	21	1892	1·21	—	—
Aberdeen	29·885	43·5	40·8	49·6	38·0	72	1892	23	1881, 92	1·96	154·0	36
Leith	29·887	44·2	41·8	52 2	37·9	75	1875	23	1881	1·46	—	—
Shields	29·891	43·6	41·4	49·3	38·4	71	1892	25	1892	1·65	—	—
Spurn Head	29·887	44·1	42·4	48·6	40·2	67*	1885	30*	1881, 89	1·35	—	—
York	29·901	43·7	41·6	54·0	37·5	78	1893	22	1881, 91	1·68	139·4	33
Loughborough	29·905	44·1	41·8	55·7	37·7	81*	1893	23*	1891, 92	1·71	—	—
Ardrossan	29·879	44·6	42·4	51·7	39·4	73	1874	26	1892	2·03	—	—
Malin Head	29·855	44·2	42·2	50·1	41·7	—	--	—	—	—	—	—
Belmullet	29·863	46·5	44·3	52·2	42·7	—	—	—	—	2·48	—	—
Donaghadee	29·883	44·8	43·1	51·2	40·5	64	1873, 74, 75	30	1876, 82, 95	1·86	—	—
Holyhead	29·880	46·0	44·0	51·7	42·0	75	1874, 93	31	1881, 92	1·86	—	—
Liverpool	29·892	45·2	42·2	53·0	40·4	75	1893	29	1881	1·54	—	—
Parsonstown	29·883	45·1	42·7	54·9	38·2	73	1893	21	1892	2·04	155 8	38
Valencia	29·871	48·4	45·9	54·3	43·0	70	1892	30	1879, 92	3·67	171·5	42
Roche's Point	29·873	47·0	44·7	53·8	42·4	72	1893	31	1892	3·06	—	—
Pembroke	29·875	45·4	43·7	50·7	42·0	70	1893	30	1879, 81	1·89	185·9	45
Scilly	29·872	48·8	46·8	52·3	44·9	66	1893	32	1876	2·15	—	—
Prawle Point	29·890	46·6	44·9	52·3	41·1	69*	1893	29*	1888	1·94	—	—
Jersey	29·893	48·8	46·1	54·7	43·7	84	1874	32	1871, 76, 92	2·01	196·3	48
Hurst Castle	29·893	45·8	44·4	52·8	41·3	74	1893	26	1887	1·72	—	—
Dover	29 884	46·4	44·1	51·4	41·4	69	1873	25	1892	1 61	—	—
LONDON	29 901	46·2	43·2	56·6	39·8	82	1893	27	1873, 84, 87, 92	1·70	113·9†	28†
Oxford	29·907	44·4	42·1	55·2	38·8	80	1893	23	1892	1·66	152·1	37
Cambridge	29·904	45·7	43·0	56·7	37·1	84	1893	21	1878	1·56	157 7	38
Yarmouth	29·894	44·7	43·0	49·2	40·0	72	1885	25	1878	1·63	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.4 ins. and upwards over Lapland; 30.1 ins. and upwards in an anticyclone lying over the greater part of Scandinavia and the North Sea, and also in two other systems lying respectively over Germany and the S. of France and over the S.W. parts of the Spanish peninsula. Lowest 29.8 ins. and less in a depression off the W. of Scotland; 29.9 ins. and less in a small secondary system lying near the mouth of the St. Georges Channel, and also in another disturbance over the Baltic. Gradients slight generally, but moderate over Scotland and the S. of Sweden. Barometer rising in most places.

TEMPERATURE — Highest 57° at Lisbon, 53° at Jersey and Perpignan, 52° at Nairn, Valencia (Ireland) & Rochés Pt., & 51° at Nice. Lowest 29° at Haparanda, 32° at Hernösand and 33° at Faerder and Karlstad, lowest in our Islands 42° at Lerwick Nº. and Longhaven Nº. During yesterday the thermometer rose to 55° and upwards in several parts of the United Kingdom, and to 59° at Cambridge. On our E. and SE. coasts, however, it did not reach 50°.

WIND — S. in the west and north of our Islands generally, and strong in force at Wick and Donaghadee, but NW. in the south of Ireland; light to moderate from the E. over the greater part of England, N. or NE. in Scandinavia and Denmark, with a gale at Stockholm. Variable in Germany and the south of France; W. or SW. over the central parts of France.

WEATHER — Fair or fine over W. Europe as a whole, but dull in places, with rain in Wales and the N. of Ireland. Dull in Denmark and the S. of Sweden, with snow at Stockholm and Karlstad. Since yesterday morning rain has fallen at most of our W. stations, as well as in the E. of Scotland and in several parts of France, Germany & the Netherlands. Thunderstorms occurred yesterday at Lyons.

SEA — Rough off the N. of Scotland, and moderate on our W. coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night another "V" shaped depression has advanced over our W. coasts. The system is, however, now breaking up, so that no material change in the weather is probable over England. Fresh disturbances may possibly appear in the W. during the ensuing 24 hours.

FORECASTS

For the 24 hours ending at NOON on 21ST APRIL 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. winds, strong in places; cloudy, some rain.	6 SCOTLAND WEST	Same as Nos. 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	S. winds, moderate or fresh; some rain at first, then fair.
2 ENGLAND N.E.	E. and SE. winds, light; fair generally.	8 ENGLAND S.W.	
3 ENGLAND EAST	Light breezes, chiefly E.; fair generally.	9 IRELAND NORTH	S. winds, shifting later to the W.wt.; changeable, some rain.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	NW. winds, backing later, fine at first, then cloudy, with some rain.
5 ENGLAND SOUTH		WARNINGS	At 7.15 pm. yesterday to districts 0, 1, 6, 9 and 10. Hoist South Cone.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·11	48	42	E	4	b	1
Sumburgh Head	29·96	45	41	SSE	4	o	6
Stornoway	29·82	52	48	SSE	3	b	3
Aberdeen	29·99	43	40	SSE	4	ogq	5
Shields	29·99	45	43	ESE	3	c	3
Ardrossan	29·87	48	47	SE	1	om	2
Malin Head ...	29·81	48	48	SE	4	b	2
Belmullet	29·79	52	47	SSW	2	o	*
Holyhead	29·90	52	49	SW	1	om	1
Valencia	29·80	50	46	SSE	4	o	5
Scilly	29·88	54	51	WSW	1	c	4
Jersey	29·87	55	49	N	3	be	3
Hurst Castle ...	29·90	54	50	E	3	cm	2
Dungeness ...	29·91	46	44	ENE	4	r	3
North Foreland	29·96	47	44	ENE	3	c	2
London (Westminster)	29·92	53	49	ENE	3	cq	*
Yarmouth ...	29·97	45	42	ESE	4	c	4
Rochefort ...	29·97	51	50	WNW	5	r	*

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

Weather in morning fine over Ireland as well as over the Nrn. parts of Russia and Scandinavia and the greater part of Srn. Europe. Cloudy or dull elsewhere, with rain at some of the Scotch stations, and also at Copenhagen and Berlin; snow falling over the S. of Scandinavia, the N. of Denmark and the Baltic provinces, as well as at St. Petersburg. Rain falling later in the W. of our Islands generally and the E. of Scotland, as well as in several parts of France, Germany and the Netherlands; thunderstorms occurring at Lyons.

Temperature fallen a little in most places. Morning readings highest 64° at Patras and La Calle, and 61° at Barcelona, Malta, Algiers and Nice, above 55° at the Mediterranean and Adriatic stations generally. Lowest 20° at Haparanda, 28° at Kuopio, and 30° at Hernosand and Moscow. Rising during day to 55° and upwards in many parts of the United Kingdom and to 60° and upwards at several of the French stations; reaching 65° at Perpignan. Frost occurring at night in inland parts of the E. of England.

Wind light to moderate from the Eand over England and the north of France, but Wly. or SWly. over the southern parts of France; variable in Ireland, but Sly. in Scotland, and strong in force at Wick. Varying between E. and N. over northern Europe generally and blowing with the force of a gale in the south of Sweden; light to moderate from the Wwd. in Germany; SEly. over the central parts of Russia. Light from the Swd. in Italy, variable in Spain, NWly. in Portugal. Subsequently shifting to the Swd. in Ireland, and blowing freshly.

Barometer highest 30.5 ins. and upwards over the central parts of Russia, 30.1 ins. and upwards in an anticyclone extending thence over the Nrn. parts of Scandinavia and the North Sea, and also over Turkey, Greece and Srn. Italy. Lowest 29.7 ins. and less in a well marked depression with its centre close to Skagahrwasser; 29.9 ins. and less in a shallow system over Brittany and the Wrn. part of the English Channel. Latter disturbance subsequently moving Enwds. and filling up; new and larger depression appearing off our extreme W 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.

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, 21st April, 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 ...	30·28	33	SW	0	b	30·25	-·16	28	25	- 1	SW	0	b	*	b	*	46	12	-
	Hernösand ...	30·22	34	N	4	s	30·13	-·15	33	32	+ 1	N	4	s	*	s	*	45	25	0·12
	Stockholm ...	30·12	32	SW	0	o	30·14	+·15	33	32	0	W	2	o	*	o	*	36	32	0·04
	Wisby	30·12	35	N	4	s	30·17	+·33	35	34	- 1	NNW	4	o	*	o	*	37	32	-
	Karlstad ...	30·17	35	NNE	2	b	30·21	+·12	35	31	+ 2	WNW	2	b	*	b	*	*	*	-
	Bodö	30·32	40	NE	1	b	30·28	-·06	38	32	- 2	E	4	b	1	b	*	46	30	-
	Christiansund ...	30·26	43	NE	1	b	30·33	+·10	39	35	0	SE	1	b	1	b	*	46	34	-
	Skudesnaes ...	30·25	41	N	2	b	30·32	+·11	40	37	0	SW	0	b	1	b	*	46	34	*
	Færder (Christiania Fjord)	30·21	40	NW	2	o	30·25	+·10	38	33	+ 1	N	2	b	1	o	*	39	36	-
	Skagen (The Scaw)	30·23	39	NE	2	bc	30·25	+·15	39	38	+ 3	N	2	b	0	bc	*	41	32	-
	Fanö	30·21	38	N	2	o	30·28	+·16	39	37	+ 2	N	2	c	*	o	*	43	36	-
	Sumburgh Head	30·07	43	SSE	4	o	30·14	+·14	44	43	+ 2	SSE	3	o	6	o	*	46	41	-
	Stornoway ...	29·91	48	SW	4	o	30·06	+·29	48	47	o	SW	3	o	3	o	0·0	49	45	-
	Wick	29·99	45	SE	5	o	30·10	+·17	50	47	+ 5	S	2	o	3	o	*	50	42	-
	Nairn	29·99	50	S	1	m	30·12	+·22	52	48	0	W	1	b	0	m	*	56	38	-
	Aberdeen ...	30·09	43	SSE	3	og	30·17	+·15	46	44	+ 2	S	2	ogm	3	cg.og	1·0	46	42	-
British Islands.	Leith	30·03	48	ESE	1	r	30·18	+·21	49	47	+ 4	SW	0	o	*	r	*	54	48	0·01
	Shields	30·08	45	SE	3	m	30·23	+·20	45	43	+ 1	S	2	om	3	cm	*	47	41	-
	Spurn Head ...	30·09	45	ESE	4	c	30·23	+·18	46	43	+ 1	SE	3	c	3	c	*	49	43	-
	York	30·08	51	E	1	bc	30·24	+·19	44	41	0	ESE	1	o	*	c.bc	2·4	54	39	-
	Loughborough ...	30·07	53	SW	2	c	30·23	+·18	45	44	+ 3	SE	1	ogmw	*	cm.ogm	*	50	42	-
	Ardrossan ...	30·02	48	SW	0	om	30·18	+·28	48	47	+ 1	S	1	of	0	rm.om	*	48	45	0·04
	Malin Head ...	30·00	50	W	3	cm	30·10	+·36	52	50	+ 7	SSW	3	bm	1	cm	*	52	45	0·02
	Belmullet ...	30·03	52	WSW	2	o	30·11	+·27	50	48	- 1	SSW	3	b	*	o	*	53	49	-
	Donaghadee ...	30·01	49	NNW	4	bc	30·14	+·31	47	47	0	S	3	m	1	p.bc	*	50	44	0·12
	Liverpool (Bidston)	30·05	50	SSE	1	o	30·20	+·22	48	46	+ 4	S	1	o	1	omp	*	53	44	-
	Holyhead ...	30·02	49	S	3	cm	30·19	+·27	51	49	+ 4	S	1	cm	1	omp.cm	*	52	45	0·14
	Parsonstown ...	30·04	53	NW	1	o	30·17	+·33	52	49	+ 1	SW	0	b	*	bc.o	4·4	58	41	-
	Valencia ...	30·10	53	WSW	1	cm	30·14	+·20	51	43	- 1	SSE	3	o	4	cm	5·4	55	43	-
	Roche's Point ..	30·07	54	N	3	c	30·15	+·24	52	50	o	SE	1	b	1	c	*	58	42	-
	Pembroke (St. Ann's Hd.)	30·03	50	NW	1	bc	30·19	+·26	46	45	- 1	SE	2	bm	3	c.f	2·9	52	45	0·19
	Scilly	30·08	52	NNW	4	c	30·15	+·25	54	51	+ 4	NNE	1	bcw	3	c	4·7	55	49	-
	Prawle Point ...	30·08	47	ESE	2	r	30·19	+·19	48	47	+ 1	ENE	2	o	2	rf.m	*	57	44	0·28
	Jersey (St. Aubin's)	30·09	53	ENE	1	o.pm	30·15	+·12	51	50	- 2	E	3	opm	3	bc.or	*	56	49	0·45
	Hurst Castle ...	30·08	49	SSW	1	r	30·18	+·15	50	49	+ 4	NE	1	cm	1	cm.r	*	53	44	0·05
	Dungeness ...	30·07	50	SW	1	b	30·17	+·15	47	45	+ 1	ENE	3	bc	2	b	*	54	44	-
	North Foreland	30·10	46	ENE	2	bc	30·21	+·17	49	47	+ 1	E	2	b	2	b.bc	*	50	44	-
	London (Brixton) ...	30·06	54	NW	2	ogp	30·20	+·16	47	45	o	ENE	2	o	*	r.pg	2·5	62	45	-
	Oxford	30·13	48	N	1	o	30·22	+·17	44	43	+ 1	NE	2	o	*	o.d	*	54	42	0·01
	Cambridge ...	30·10	51	SE	2	og	30·24	+·18	45	43	+ 1	E	1	o	*	c.og	4·3	58	37	-
	Yarmouth ...	30·11	44	ESE	4	bc	30·22	+·16	45	42	+ 1	ESE	4	c	4	bc	*	49	41	-
Germany & Holland.	Cuxhaven ...	30·15	41	NNW	2	o	30·25	+·16	40	39	+ 1	NE	2	o	*	o	*	43	39	-
	Berlin	30·11	46	NW	3	b	30·21	+·11	39	38	- 4	NW	3	o	*	b	*	52	37	-
	Wiesbaden ...	*	*	*	*	*	30·21	+·11	41	41	- 9	E	1	o	*	*	*	55	39	0·08
	Munich	30·13	50	E	1	r	30·18	+·03	49	46	+ 1	E	2	b	*	r	*	59	39	0·04
	The Helder ...	30·15	44	NE	4	bc	30·25	+·17	42	37	o	ENE	2	o	2	bc	*	46	41	-
France & Belgium.	Brussels ...	*	*	*	*	*	30·19	+·15	48	45	o	ENE	3	c	*	o	*	59	38	-
	Cape Gris Nez ...	?	51	E	1	m	?	?	46	43	+ 1	ESE	2	o	1	m	*	59	41	-
	Paris	30·10	58	SW	2	bc	30·15	+·11	48	46	+ 1	N	1	r	*	bc	*	66	47	0·04
	Brest	30·04	52	NW	2	b	30·17	+·19	48	47	- 2	NNE	2	c	2	b	*	54	43	-
	Lorient	30·08	50	SSW	4	o	30·12	+·09	50	49	o	NNE	4	c	4	o	*	61	45	0·04
	Rochefort ...	30·14	55	N	2	bc	30·15	+·03	50	50	o	WSW	2	o	*	bc	*	64	45	-
	Belfort	30·07	53	W	2	c	30·10	+·01	45	43	o	ENE	3	m	*	c	*	59	38	-
	Lyons	30·10	55	N	2	b	30·09	-·03	51	46	+ 5	NNW	1	b	*	b	*	61	42	-
	Nice	30·03	57	NNW	1	c	29·95	-·11	55	47	+ 4	E	3	o	o	c	*	64	50	-
	Perpignan ...	30·05	61	S	1	o	30·05	-·05	57	50	+ 4	W	1	o	*	o	*	66	47	-
	Biarritz ...	30·07	56	NW	3	o	30·11	+·07	55	53	+ 9	WSW	3	o	2	o	*	61	46	-
Peninsula.	Corunna ...																*			
	Lisbon	30·14	57	NNW	4	b	30·13	-·01	58	53	+ 1	N	4	b	*	b	*	66	54	-
	Azores (P. Delgada)	30·19	63	SW	4	o	30·15	-·11	62	60	o	SW	3	o	3	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 0·3 hrs;

WEATHER CHARTS

FOR Thursday, 21st April 1898

BAROMETER, WIND AND SEA.

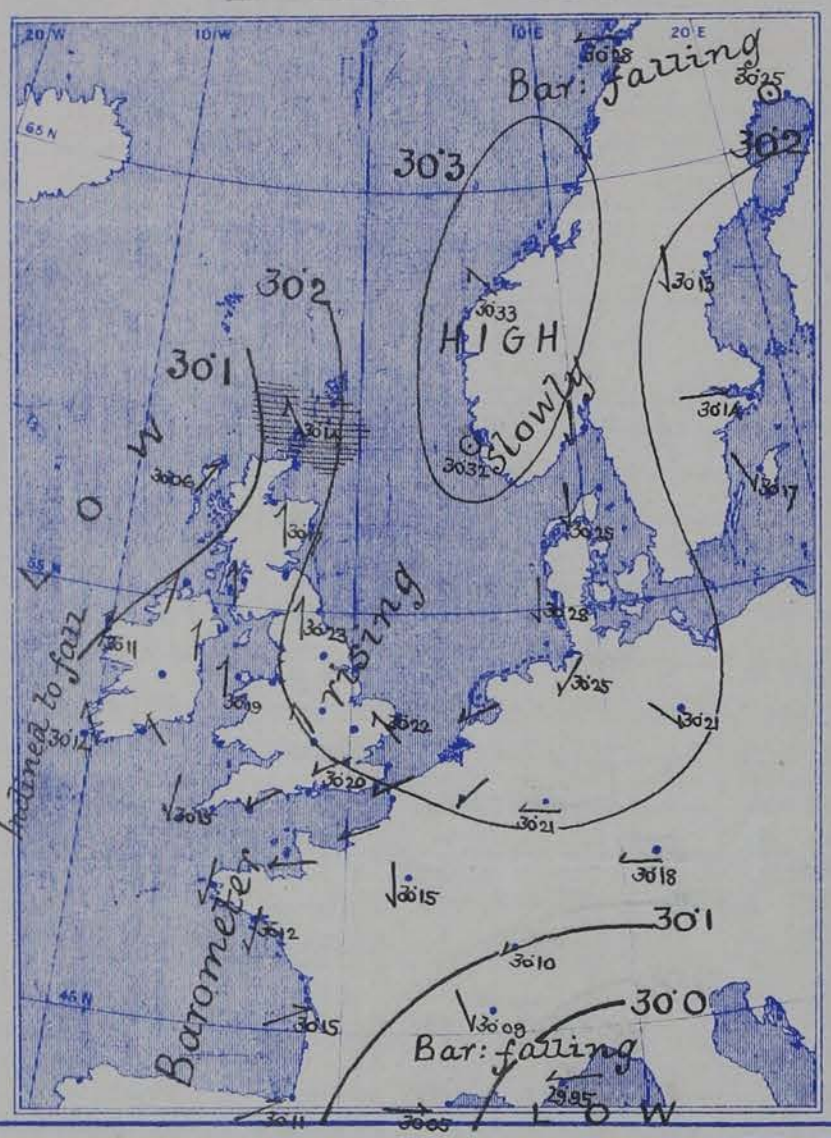
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

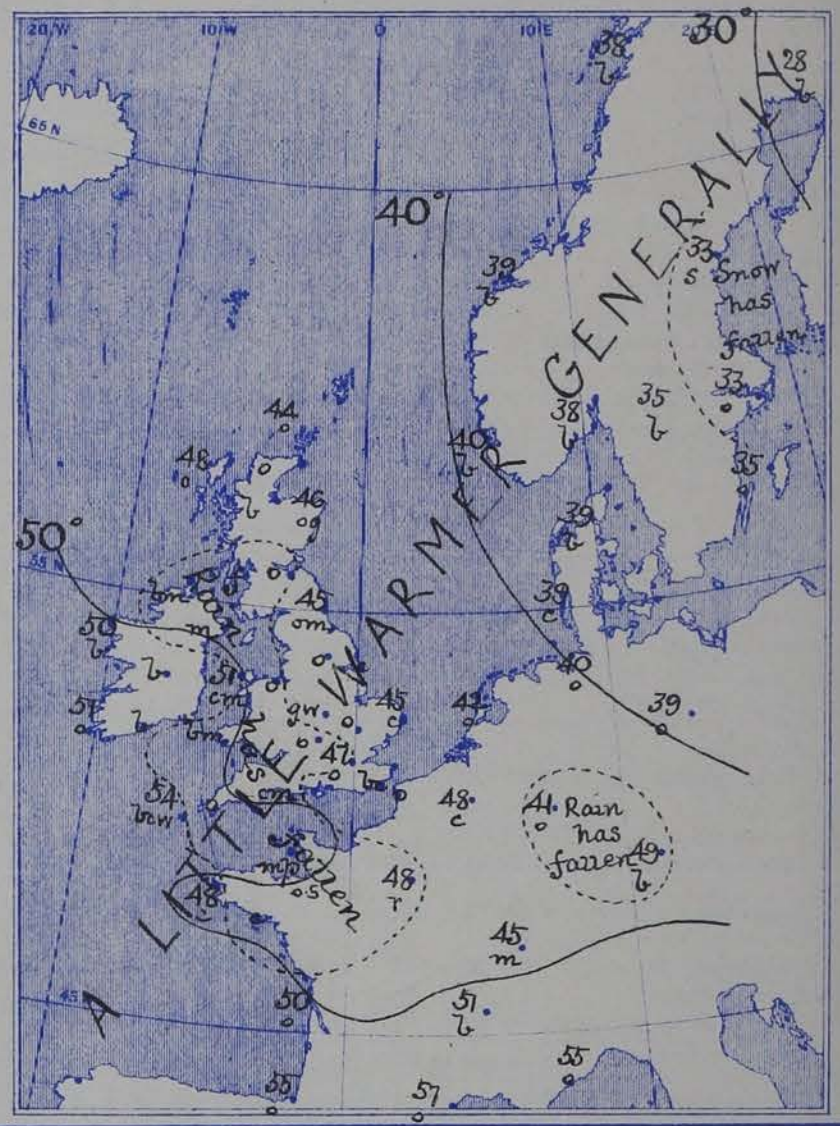


TEMPERATURE & WEATHER.

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 APRIL.

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·3 ins: and upwards in Norway; 30·2 ins: and upwards in an anticyclone covering the greater part of Scandinavia, Denmark, North Germany, and the North Sea, with the eastern, central, and southern parts of England. Lowest, 30·0 ins: and less, in a shallow depression over the Gulf of Genoa; 30·1 ins: and less, in the west and north of Scotland. Gradients slight. Barometer rising in most parts of Western Europe, but inclined to fall in the west of Ireland; falling in the south of France and also over the northern parts of Scandinavia.

TEMPERATURE — Highest, (1) 58° at Lisbon, 57° at Perpignan, and 55° at Nice and Biarritz; (2) 54° at Scilly, and 52° at Nairn, Malin Hd, Parsontown, and Rockel Point. Lowest, 28° at Haparanda, 33° at Hernösand and Stockholm, and 35° at Visby and Karlstad. During yesterday the thermometer rose to 55° and upwards in several parts of the United Kingdom and to 62° in London. On our north and east coasts, however, it did not reach 50°.

WIND — Light from the E.S.E. or NE.by E. over England, the Netherlands and the north of France, but from the S.E. over Ireland and the northern parts of Great Britain. N.N.E. over Sweden, Denmark, and North Germany; variable or W. over the southern parts of France.

WEATHER — Cloudy or dull over Western Europe as a whole, with rain at Paris, and passing showers at Jersey; snow is falling at Hernösand. Fine at most of the Irish stations, and in the southwest of England, as well as in Norway and Denmark. Rain fell yesterday in many scattered parts of the United Kingdom, the quantity being mostly slight, but rather large (0·5 in:) at Jersey. A solar halo was seen at Oxford.

SEA — Slight or smooth generally, but rough at Lumburgh Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in progress in the west of Ireland seem to point to the advance of another depression towards our western coasts. Freshening Southerly winds and rain are again probable in Ireland and Scotland, but in the southeastern portions of the Kingdom the wind is likely to remain E.N.E. and the weather fair and dry.

FORECASTS

For the 24 hours ending at NOON on 22ND APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.S.E. winds, light to fresh; fair at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.S.E. and S.E.by S. winds, light; fair generally.
3	ENGLAND EAST	E.S.E. winds, light or moderate; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S.S.E. and S.E.by S. winds, light or moderate; fair at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E.S.E. to S.S.E. winds, moderate or fresh; fair at first, some rain later.
9	IRELAND NORTH	S.S.E. and S.E.by S. winds, freshening; cloudy, some rain.
10	IRELAND SOUTH	
	WARNINGS	At 3·45 pm yesterday to districts 0, 1, 6, 9, and 10. "Lower Cone".

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·22	46	41	Sw	1	b	1	Valencia	30·06	54	50	w&w	2	cm	m
Sumburgh Head	30·05	44	41	SSE	4	o	6	Scilly	29·99	54	52	NNW	4	c	3
Stornoway	29·84	49	47	SSW	6	c	6	Jersey	30·07	55	52	SSE	2	bc	3
Aberdeen	30·05	44	41	SSE	4	cgj	4	Hurst Castle ...	30·07	51	48	SSw	2	cm	1
Shields	30·05	45	42	SE	4	cm	3	Dungeness ...	30·05	52	49	E	1	b	1
Ardrossan	29·96	48	47	ESE	2	rm	2	North Foreland	30·08	49	47	ENE	3	b	2
Malin Head ...	29·92	52	50	w	4	c	2	London (Westminster)	30·03	60	54	SSw	2	c	*
Belmullet	29·98	52	49	w	3	o	*	Yarmouth ...	30·08	47	44	ESE	4	bc	4
Holyhead	29·96	47	46	S	5	opm	4	Rochefort ...	30·13	59	55	NNW	2	o	*

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

Weather in morning fair or fine over western and central Europe as a whole, but dull in places with rain in Wales and the north of Ireland. Dull in Italy and also over Russia, Denmark, the Baltic, and the south of Sweden, with snow at St Petersburg, Helsingfors, Stockholm, and Faerder. Rain falling later in several parts of the United Kingdom and the neighbouring parts of the Continent, but amounts mostly slight

Temperature risen a little in most places. Morning readings highest 64° at Malta, and 61° at Genoa, Barcelona, Algiers, and Sfax; above 55° at the Mediterranean, Adriatic, and Spanish coast stations generally, and above 50° in some parts of Ireland and Scotland. Lowest 24° at Ulealborg, 29° at Haparanda, and 32° at Wernösand, Helsingfors, and St Petersburg. Rising during day to 55° and upwards in several parts of the United Kingdom, and to 62° in London. Exceeding 60° also over the greater part of France, and reaching 66° at Paris and Perpignan, as well as at Lisbon.

Wind moderate to strong from the S.ward in the west and north of our Islands generally, but NW. in the south of Ireland; light to moderate from the E.ward over the greater part of England. E. to N. over Scandinavia, Denmark, and northern Russia, with a gale at Stockholm; NW. at many of the German stations, SW. over the Baltic Provinces; S. or SE. over the central and southern parts of Russia. Calm in Austria; variable in Spain, Italy, and the south of France. Subsequently shifting to the NW.ward over the Bay of Biscay and the mouth of the Channel; becoming variable in the south of England.

Barometer highest 30·4 in: and upwards, over Lapland; 30·3 in: and upwards in the south of Russia; 30·1 in: and upwards over the southwestern parts of the Spanish Peninsula. Lowest 29·8 in: and less, in a depression off the west of Scotland; 29·9 in: and less, in a small secondary system near the mouth of the St George's Channel, and also in two other disturbances lying respectively over the Baltic and over Tunis. Western depression subsequently filling up, and barometer rising over Western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday, 22nd April, 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 ...	30·3m	34	W	0	b	30·45	+·20	30	28	+ 2	N	2	b	*	b	*	46	18	–
	Hernösand ...	30·25	35	N	2	0	30·36	+·23	35	34	+ 2	N	2	r	*	0	*	37	30	0·28
	Stockholm ...	30·16	34	W	2	0	30·20	+·06	35	34	+ 2	W	0	0	*	0	*	39	30	0·04
	Wisby	30·18	35	NNW	4	b	30·17	·00	37	36	+ 2	ESE	4	0	*	b	*	37	32	–
	Karlstad ...	30·17	44	N	2	0	30·21	·00	36	34	+ 1	NNE	2	S	*	0	*	*	*	–
	Bodö	30·36	40	NE	2	b	30·46	+·18	39	32	+ 1	E	2	b	1	b	*	41	32	–
	Christiansund ...	30·33	42	ESE	2	bc	30·34	+·01	41	37	+ 2	E	4	b	2	bc	*	45	36	–
	Skudesnaes ...	30·32	42	N	4	c	30·27	–·05	41	37	+ 1	W	0	b	0	b,c	*	46	34	*
	Færder (Christiania Fjord)	30·20	41	NNW	2	b	30·24	–·01	39	36	+ 1	N	4	c	2	b	*	45	37	–
	Skagen (The Scaw)	30·25	38	NW	2	b	30·20	–·05	40	37	+ 1	NE	3	b	0	b	*	50	34	–
	Fanö	30·27	36	N	1	b	30·21	–·07	39	38	0	N	1	b	*	b	*	48	34	–
GERMANY & HOLLAND.	Sumburgh Head	30·18	45	SSE	2	0	30·18	+·04	43	42	– 1	SE	2	0	4	0	*	46	41	–
	Stornoway ...	30·08	54	SW	4	b	30·03	–·03	49	48	+ 1	W	0	b	0	bc,b	9·0	55	38	–
	Wick	30·12	46	SE	2	b	30·10	·00	48	46	– 2	S	2	bc	2	bc,f	*	55	40	–
	Nairn	30·11	57	W	1	m	30·09	–·03	50	48	– 2	W	1	bc	1	m	*	61	35	–
	Aberdeen ...	30·17	44	S	2	bc	30·14	–·03	45	44	– 1	SE	2	ogmw	3	bq.bc	6·2	55	41	–
	Leith	30·16	50	W	0	0	30·13	–·05	49	47	0	W	0	om	*	0	*	57	41	–
	Shields	30·21	45	SE	4	c	30·17	–·06	40	39	– 5	S	3	ou	3	om,c	*	49	38	–
	Spurn Head ...	30·23	44	ESE	4	c	30·18	–·05	43	40	– 3	E	2	c	3	cw	*	49	40	–
	York	30·23	50	E	1	b	30·20	–·04	40	38	– 4	SE	1	0	*	c,b	5·1	56	38	–
	Loughborough ...	30·20	54	ESE	2	0	30·20	–·03	38	37	– 7	W	0	bmw	*	om,c,bm	*	58	29	–
BRITISH ISLANDS.	Ardrossan ...	30·16	54	SSE	1	bm	30·11	–·07	48	47	0	NNE	2	cfw	1	bm	*	55	42	–
	Malin Head ...	30·07	61	S	2	bm	30·04	–·06	50	50	– 2	S	2	bcm	0	b,bm	*	63	46	–
	Belmullet ...	30·10	57	SSW	2	b	29·99	–·12	52	49	+ 2	S	4	0	*	b	*	57	49	–
	Donaghadee ...	30·17	52	ESE	3	b	30·11	–·08	49	49	+ 2	S	3	bc	1	b	*	52	37	–
	Liverpool (Bidston)	30·18	55	ESE	1	c	30·14	–·06	44	42	– 4	ESE	4	b	3	bcm	*	57	37	–
	Holyhead ...	30·18	51	W	0	bc	30·11	–·08	49	48	– 2	W	0	cm	0	bc	*	53	43	–
	Parsonstown† ...	30·05	62	W	0	bc	30·05	–·12	51	49	– 1	SE	1	0	*	bc	11·6	67	43	–
	Valencia ...	30·11	53	SSE	3	0	30·01	–·13	52	48	+ 1	SSE	4	0g	4	bc.0	2·9	58	49	–
	Roche's Point ..	30·17	48	SSW	3	4	30·10	–·05	49	48	– 3	SSW	4	0	3	f	*	54	45	–
	Pembroke (St. Ann's Hd.)	30·18	45	NW	3	b	30·12	–·07	49	47	+ 3	SSE	3	bm	2	b	11·9	52	45	–
	Scilly	30·18	52	NE	1	b	30·08	–·07	53	51	– 1	ESE	3	bw	4	bc.b	12·5	57	47	–
	Prawle Point ...	30·17	51	ENE	2	c	30·12	–·07	44	43	– 4	ENE	2	c	2	c	*	51	44	–
	Jersey (St. Aubin's)	30·14	55	N	3	bc	30·08	–·07	47	45	– 4	ENE	4	bcm	3	bc	*	58	44	0·01
	Hurst Castle ...	30·15	52	WSW	2	cm	30·12	–·06	45	43	– 5	NNE	4	bm	2	cm	*	56	37	–
	Dungeness ...	30·15	46	ENE	5	c	30·08	–·09	43	40	– 4	ENE	5	0	4	bc.c	*	52	42	–
	North Foreland	30·22	43	NE	4	bc	30·14	–·07	43	40	– 6	NE	4	0	3	b.bc	*	49	41	–
	London (Brixton) ...	30·20	49	NE	3	bc	30·14	–·06	43	39	– 4	ENE	3	0g	*	bcm,b,0	5·4	60	38	–
	Oxford	30·20	50	E	2	0	30·17	–·05	43	39	– 1	ENE	2	b	*	0,b	*	56	33	–
	Cambridge ...	30·22	53	E	2	0	30·18	–·06	43	40	– 2	ENE	2	0	*	c,0	6·5	60	30	–
	Yarmouth ...	30·24	44	ENE	4	bcv	30·16	–·06	44	40	– 1	ENE	4	bcv	4	bcv	*	47	40	–
GERMANY & HOLLAND.	Cuxhaven ...	30·26	43	N	2	c	30·18	–·07	39	39	– 1	E	2	c	*	c	*	43	37	–
	Berlin	30·23	41	NW	4	0	30·15	–·06	40	38	+ 1	NE	4	0	*	0	*	46	34	–
	Wiesbaden ...	*	*	*	*	*	30·01	–·20	43	40	+ 2	NE	1	bc	*	*	*	57	37	–
	Munich	30·04	50	E	3	c	29·89	–·29	42	41	– 7	NE	4	r	*	c	*	59	41	0·04
	The Helder ...	30·24	44	ENE	3	c	30·15	–·10	43	41	+ 1	ENE	3	bc	2	bc	*	45	41	–
BELGIUM.	Brussels ...	*	*	*	*	*	30·07	–·12	39	37	– 9	ENE	3	0	*	b	*	57	32	–
	Cape Gris Nez ...	?	44	E	4	b	?	?	42	41	– 4	E	4	0	4	b	*	52	37	–
	Paris	30·04	54	S	1	r	30·01	–·14	42	40	– 6	N	3	bc	*	r	*	62	41	0·04
	Brest	30·11	54	NE	2	b	30·07	–·10	44	44	– 4	W	0	b	1	b	*	57	41	–
	Lorient	30·10	57	N	2	c	30·04	–·08	46	45	– 4	ENE	3	c	2	c	*	64	43	–
FRANCE &	Rochefort ...	30·09	54	NW	3	b	30·03	–·12	50	48	0	NE	3	bc	*	0,b	*	63	46	–
	Belfort	29·93	55	NE	3	c	29·84	–·26	46	43	+ 1	E	3	m	*	c	*	62	42	–
	Lyons ...	29·96	57	NW	3	0	29·87	–·22	48	47	– 3	NW	2	r	*	0	*	63	47	–
	Nice	29·86	53	SW	1	0	29·75	–·20	50	49	– 5	NE	2	0	0	0	*	64	50	0·12
	Perpignan ...	29·97	62	NW	3	0	29·91	–·14	53	48	– 4	NW	2	bc	*	0	*	66	51	–
	Biarritz ...	30·06	55	NW	4	0	30·02	–·09	54	51	– 1	NW	4	bc	4	0	*	59	52	–
PENINSULA.	Corunna ...																*			
	Lisbon	30·11	55	NW	4	b	30·06	–·07	57	53	– 1	NNW	2	c	*	b	*	66	52	–
	Azores (P. Delgada)	30·15	58	NNE	4	bc	30·19	+·04	55	52	– 7	NNW	4	c	2	bc	*	64	54	0·04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 0·5 hrs;

WEATHER CHARTS

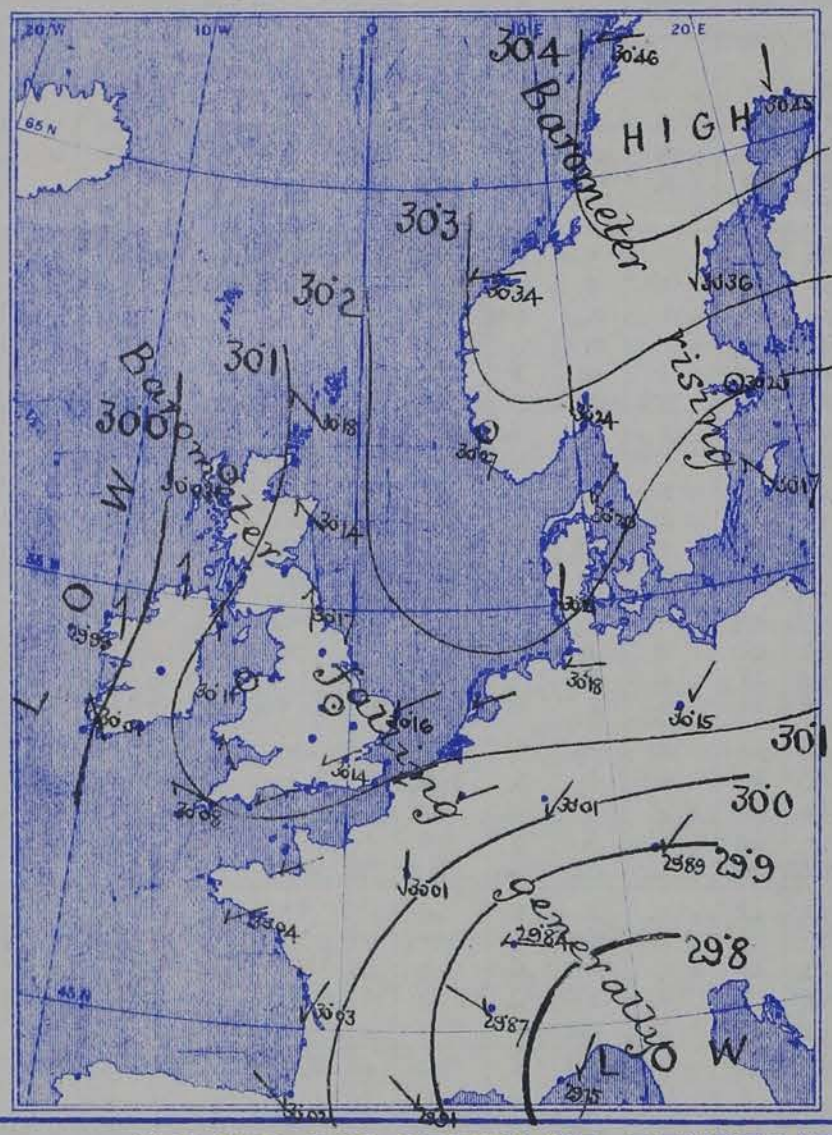
FOR Friday, 22nd April, 1898

BAROMETER, WIND AND SEA.

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

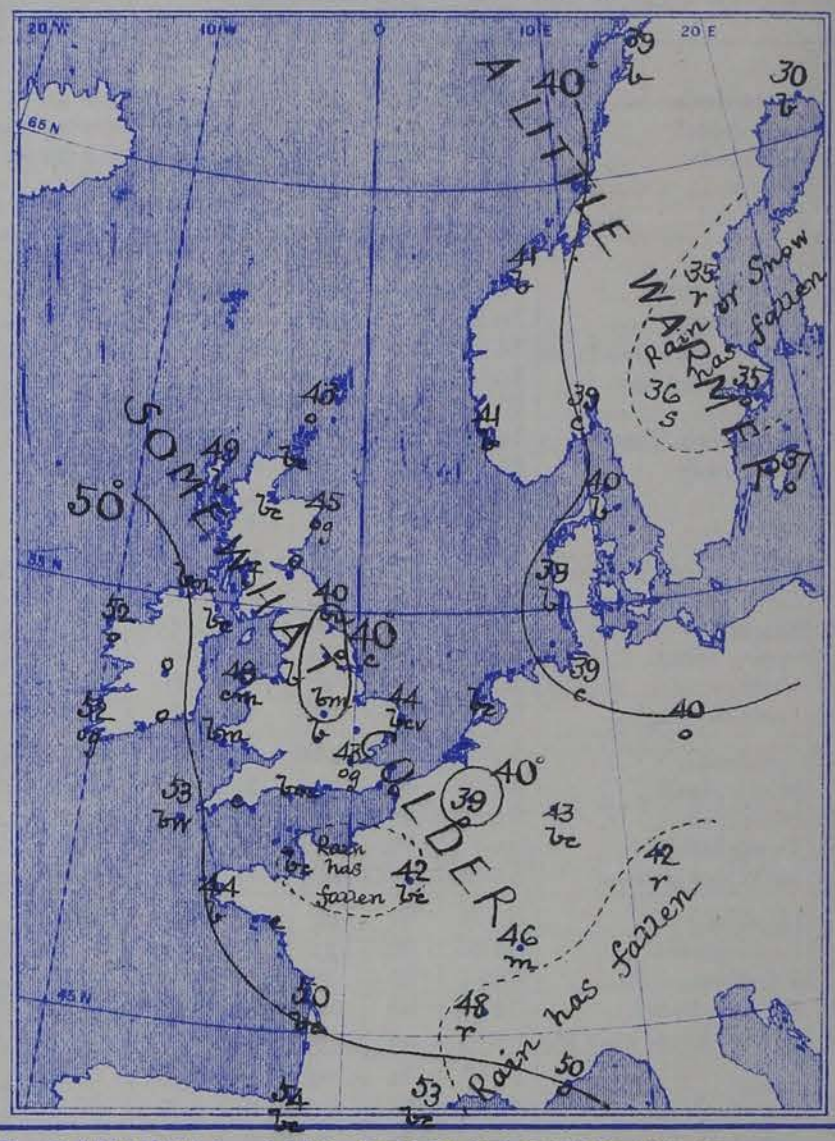
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟫⟶ ; *Force 1 to 4* ⟶ ; }

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 APRIL.*

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and upwards over the northern parts of Scandinavia; 30·1 in: and upwards in an anticyclone embracing the greater part of northwestern Europe.

Lowest, 29·8 in: and less, in a depression over the southeast of France.

Gradients slight. Barometer falling at all but the Scandinavian stations.

TEMPERATURE

Highest, (1) 57° at Lisbon, 54° at Biarritz, and 53° at Perpignan; (2) 53° at Scilly, 52° at Belmullet and Valencia (Ireland) and 51° at Valentia.

Lowest, (1) 30° at Haparanda, 35° at Haparanda and at Stockholm, and 36° at Karlstad; (2) 38° at Loughborough, and 40° at Shields and York.

During yesterday the thermometer rose to between 55° and 60° in many parts of the United Kingdom, to 61° at Nairn, 63° at Malin Hd. and 67° at Valentia.

WIND

Light to moderate from the E.ward or NE.ward over Scandinavia, Denmark, Germany, the Netherlands, England, and the north of France; NW.ly over the southern parts of France.

S.ly in Ireland and also in the northeast of Scotland; calm or variable in the west and south of Scotland.

WEATHER

Fair and dry over Western Europe as a whole, but dull in places, with rain at Munich and Lyons.

Dull at most of the Swedish stations, with rain at Haparanda and snow at Karlstad.

The only rain measured over our Islands this morning was a very trifling amount at Jersey.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the southeast of France shows some tendency to spread northwards, but is scarcely likely to affect the weather in our Islands within the ensuing twenty-four hours.

FORECASTS

For the 24 hours ending at NOON on 23rd APRIL 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and SE. winds, light; fair generally.	6 SCOTLAND WEST	Same as No. 2.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	E. and SE. winds, light; fair generally.	8 ENGLAND S.W.	E. winds, moderate; fair generally.
3 ENGLAND EAST	NE. winds, moderate or fresh, fair generally.	9 IRELAND NORTH	S. winds, light or moderate; fair generally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·33	46	43	NW	4	b	1
Sumburgh Head	30·18	46	45	SSE	2	o	5
Stornoway	30·08	55	51	SSW	4	bc	4
Aberdeen	30·18	50	47	SSE	4	bq	3
Shields	30·22	48	46	SE	4	om	3
Ardrossan	30·19	54	53	S	1	b	0
Malin Head ...	30·11	63	58	S	2	b	0
Belmullet	30·11	57	52	SSW	2	b	*
Holyhead	30·20	53	50	N	1	bc	1
Valencia	30·14	57	52	SSE	3	bc	4
Scilly	30·18	56	53	SE	2	bc	4
Jersey	30·16	57	53	N	4	be	3
Hurst Castle ...	30 18	53	50	S	1	cm	1
Dungeness ...	30·17	50	46	ENE	4	bc	3
North Foreland	30·22	48	46	NE	3	b	4
London (Westminster)	30·19	56	51	ENE	2	bcm	*
Yarmouth ...	30·24	47	43	E	3	bc	4
Rochefort ...	30·12	61	59	WSW	2	o	*

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

Weather in morning cloudy or dull over a considerable portion of our Islands and the Continent, with passing showers at Jersey, and steady rain at Paris as well as in northern Italy, eastern Germany, and several parts of Western Russia; snow falling at Kuopio and Hernösands. Fine in Ireland and the southwest of England, as well as over Norway, Denmark, and the Spanish Peninsula. Sky clearing later in many parts of Great Britain, no important change occurring elsewhere, but rain falling at Nice.

Temperature risen in most places. Morning readings highest 66° at Naples, 64° at Barcelona, Palermo, and Malta, 63° at Constantinople, and 62° at Lesina; above 55° over southern Europe generally. Lowest 28° at Haparanda, 30° at Archangel, and 33° at Hernösand, Stockholm, and Hangö; below 40° in most parts of northern Europe. Rising during day to between 55° and 60° in many parts of the United Kingdom, and to 67° at Parsonstown; exceeding 60° also at most of the French stations, and reaching 66° at Perpignan. Sharp ground frost occurring over Central England at night.

Wind light to moderate from the N^W^ over Sweden and Denmark, and from the NE^W^ over the Netherlands, the south of England and the north of France; S^3^ over Ireland and the northern parts of Great Britain. E^3^ in the west of Norway; NW^3^ in Germany and Austria, but SE^3^ at most of the Russian stations. S^3^ or SW^3^ over southern Italy; E^3^ over northern Italy and the extreme south of France; NE^3^ or N^3^ over the Spanish Peninsula. NW^3^ breezes setting in later over France; no important change occurring elsewhere.

Barometer highest 30·3 ins: and upwards in the west of Norway and the northern and southern parts of Russia; 30·1 ins: and upwards, in an anticyclone of irregular form embracing a considerable portion of Europe. Lowest 29·9 ins: and less. in a depression over Sardinia, 30·0 ins: and less. in a shallow system over Galicia. Sardinian disturbance subsequently moving slowly northwards; barometer falling a little in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Saturday, 23rd April, 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 ...	30·52	33	NW	0	b	30·59	+·14	29	26	− 1	NW	0	b	*	b	*	46	10	-
	Hernösand ...	30·45	37	E	4	0	30·50	+·14	36	33	+ 1	NW	0	b	*	0	*	39	32	-
	Stockholm ...	30·31	36	NW	0	r	30·33	+·13	39	37	+ 4	E	4	0	*	r	*	41	32	0·04
	Wisby	30·26	36	SE	4	0	30·22	+·05	40	39	+ 3	ESE	4	r	*	0	*	41	32	-
	Karlstad ...	30·26	38	N	3	0	30·30	+·09	37	36	+ 1	N	2	0	*	0	*	*	*	-
	Bodö	30·45	42	E	1	b	30·47	+·01	42	34	+ 3	E	4	b	1	b	*	43	32	-
	Christiansund ...	30·26	46	E	6	b	30·30	+·04	46	44	+ 5	ESE	4	c	1	b	*	52	41	-
	Skudesnaes ...	30·19	45	NW	0	bc	30·21	−·06	41	38	0	E	4	c	1	bc	*	48	37	*
	Færder (Christiania Fjord)	30·23	38	ENE	4	0	30·31	+·07	37	36	− 2	ENE	2	0	2	0	*	41	36	-
	Skagen (The Scaw)	30·15	39	ENE	3	r	30·26	+·06	39	37	− 1	ESE	4	c	0	r	*	45	37	0·12
	Fanö	30·08	41	E	2	c	30·15	−·06	42	39	+ 3	E	4	b	*	c	*	46	39	-
British Islands.	Sumburgh Head	30·11	44	SE	3	0	30·06	−·12	44	40	+ 1	SE	3	b	5	c.o	*	48	39	-
	Stornoway ...	29·96	48	SW	3	b	29·92	−·11	48	47	− 1	NW	0	rm	0	b	11·8	62	44	0·03
	Wick	30·01	45	S	4	bc	29·99	−·11	43	41	− 5	S	5	0	4	bc	*	49	41	-
	Nairn	29·96	52	NE	1	m	29·96	−·13	46	45	− 4	NW	0	r	0	m	*	55	42	0·05
	Aberdeen ...	30·07	43	SSE	3	bc	30·03	−·11	40	40	− 5	SSE	4	gqdm	4	c q.bc	2·0	48	40	0·01
	Leith	29·98	48	NE	1	c	30·00	−·13	44	43	− 5	NW	0	om	*	c	*	54	42	-
	Shields	30·06	43	SSE	3	c	30·03	−·14	41	40	+ 1	SSW	2	rq	2	bm.c	*	51	39	0·04
	Spurn Head ...	30·08	43	E	3	c	30·10	−·08	44	40	+ 1	SE	2	c8	3	cv	*	48	40	-
	York	30·07	45	SSE	1	b	30·08	−·12	41	39	+ 1	SSE	1	0	*	0,b,0	4·3	51	37	-
	Loughborough ...	30·07	50	E	2	b	30·11	−·09	41	39	+ 3	SE	1	omw	*	c,bc.b,0	*	53	33	-
	Ardrossan ...	29·99	53	SSW	2	bm	29·99	−·12	47	46	− 1	NW	0	ofp	0	b,bm	*	57	44	0·02
	Malin Head ...	29·97	53	E	1	om	29·97	−·07	49	49	− 1	W	1	om	0	b,om	*	58	48	0·08
	Belmullet ...	29·99	50	W	2	0	30·03	+·04	50	48	− 2	W	2	c	*	r.o	*	54	42	0·05
	Donaghadee ...	30·02	52	SSW	3	b	30·01	−·10	51	50	+ 2	SW	3	c	1	b	*	53	45	-
	Liverpool (Bidston)	30·04	50	ESE	2	c	30·06	−·08	42	39	− 2	ESE	2	c	?	cm	*	53	86	-
	Holyhead ...	30·03	51	NW	1	cm	30·04	−·07	49	48	0	S	2	cm	1	c.cm	*	56	45	-
	Parsonstown ...	29·99	66	NW	0	c	30·02	−·03	50	49	− 1	NW	0	r	*	c	6·6	61	47	0·03
	Valencia ...	30·00	51	S	1	r	30·04	+·03	50	47	− 2	NW	0	op	4	r	0·0	53	47	0·49
	Roche's Point ..	30·02	51	SSW	3	0	30·05	−·05	51	50	+ 2	S	1	0	2	0	*	54	48	-
	Pembroke (St. Ann's Hd.)	30·03	49	W	1	b	?30·07	−·05	48	46	− 1	SE	4	ogm	3	b	4·3	51	45	-
	Scilly	30·01	50	SE	3	c	30·03	−·05	50	47	− 3	ESE	3	cm	4	b.c	9·7	56	47	-
	Prawle Point ...	30·02	45	E	3	c	30·07	−·05	45	43	+ 1	ENE	3	bc	2	c	*	49	39	-
	Jersey (St. Aubin's)	30·00	48	ENE	4	om	30·04	−·04	49	45	+ 2	ENE	4	bc	3	bc.om	*	52	43	-
	Hurst Castle ...	30·02	48	NE	3	bm	30·08	−·04	45	42	0	NE	2	bm	1	cm.bm	*	50	84	-
	Dungeness ...	29·98	45	NE	5	b	30·04	−·04	46	42	+ 3	NE	4	bc	3	c.b	*	48	36	-
	North Foreland	30·03	44	NNE	4	b	30·07	−·07	45	43	+ 2	NNE	3	b	3	b	*	46	41	-
	London (Brixton) ...	30·04	46	ENE	2	bc	30·10	−·04	44	38	+ 1	ENE	1	m	*	o,c.b	0·9	51	34	-
	Oxford	30·07	43	E	2	b	30·12	−·05	38	37	− 5	NE	1	o	*	b	*	49	29	-
	Cambridge ...	30·07	47	E	3	o	30·12	−·06	43	39	0	ENE	1	bw	*	c,o,b	3·8	53	30	-
	Yarmouth ...	30·07	44	ENE	4	b	30·09	−·07	45	41	+ 1	NE	3	b	3	bc.b	*	47	40	-
Germany & Holland.	Cuxhaven ...	30·06	43	NNW	3	o	30·08	−·10	40	40	+ 1	E	4	o	*	o	*	45	37	-
	Berlin	30·03	43	E	4	o	30·05	−·10	42	38	+ 2	ESE	3	o	*	o	*	46	39	-
	Wiesbaden ...	*	*	*	*	*	29·92	−·09	45	42	+ 2	N	2	o	*	*	*	54	37	-
	Munich... ..	29·82	43	W	0	r	29·83	−·06	43	43	+ 1	N	1	r	*	r	*	46	41	0·43
	The Helder ...	30·05	44	NE	3	b	30·06	−·09	44	41	+ 1	NE	2	b	2	b	*	46	39	-
Belgium.	Brussels ...	*	*	*	*	*	30·03	−·04	41	39	+ 2	NNE	2	bc	*	b	*	50	33	-
	Cape Gris Nez...	?	46	E	5	bc	?	?	46	41	+ 4	E	3	bc	3	bc	*	50	37	-
	Paris	29·89	50	N	3	b	29·96	−·05	39	36	− 3	N	2	b	*	b	*	57	34	-
	Brest	29·94	53	ENE	3	b	29·99	−·08	41	40	− 3	ENE	2	b	2	b	*	61	36	-
	Lorient... ...	29·92	57	NW	1	b	29·96	−·08	43	41	− 3	NE	4	m	4	b	*	64	39	-
France &	Rochefort ...	29·95	57	NW	3	o	29·93	−·10	45	44	− 5	E	4	b	*	bc.c	*	63	43	-
	Belfort	29·78	46	E	3	m	29·83	−·01	43	42	− 3	ENE	1	m	*	m	*	55	41	-
	Lyons	29·79	47	NNW	2	r	29·84	−·03	46	43	− 2	N	2	b	*	r	*	50	43	0·24
	Nice	29·68	52	W	0	0	29·66	−·09	54	52	+ 4	E	1	bc	1	0	*	57	46	0·16
	Perpignan ...	29·82	56	NW	3	c	29·85	−·06	57	50	+ 4	NW	1	b	*	c	*	66	53	-
	Biarritz ...	29·91	59	NW	3	bc	29·89	−·13	58	48	− 4	S	2	bc	2	bc	*	59	48	0·20
Penin-sula.	Corunna ...																*			
	Lisbon	29·95	54	NNW	4	be	29·85	−·21	55	51	− 2	ESE	2	o	*	bc	*	64	54	-
	Azores (P. Delgada)	30·24	57	N	3	c	30·21	+·02	56	51	+ 1	NNE	4	bc	4	c.	*	63	54	-

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

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

Bright Sunshine yesterday Southport 7.3 hrs;

WEATHER CHARTS

FOR Saturday, 23rd April, 1898

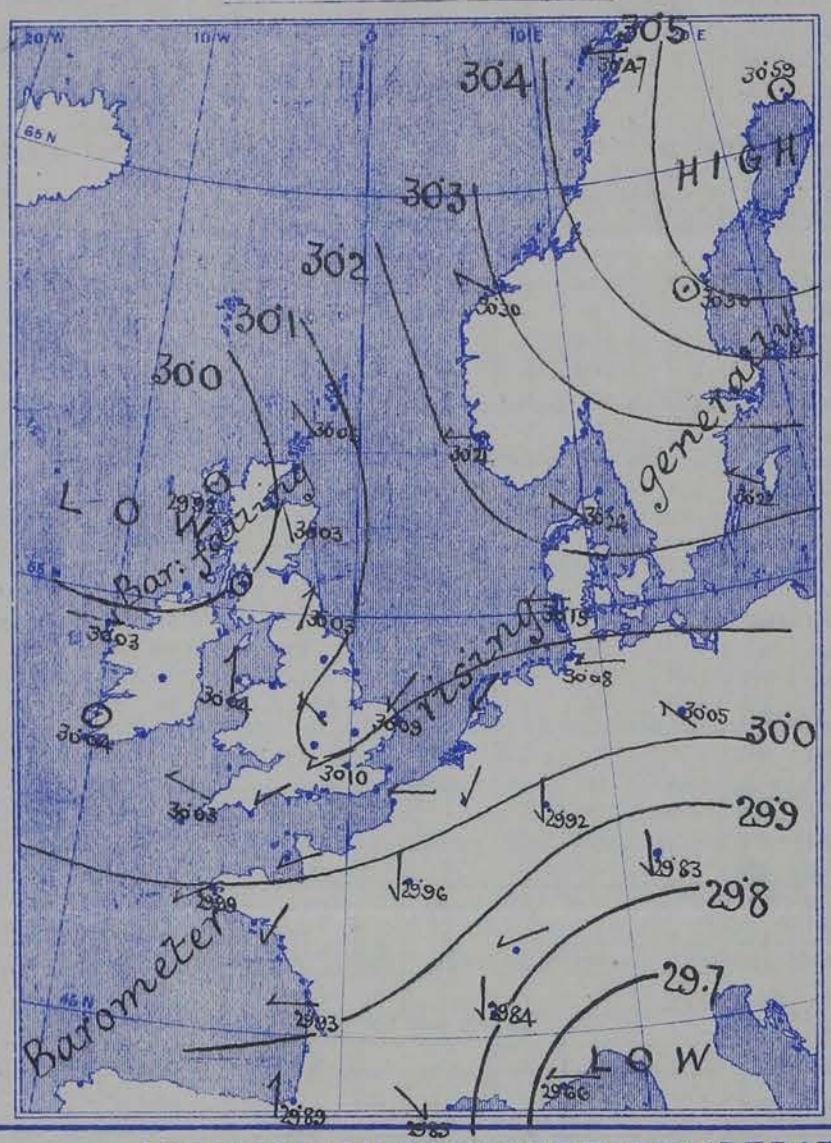
BAROMETER, WIND AND SEA.

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* ▓▓

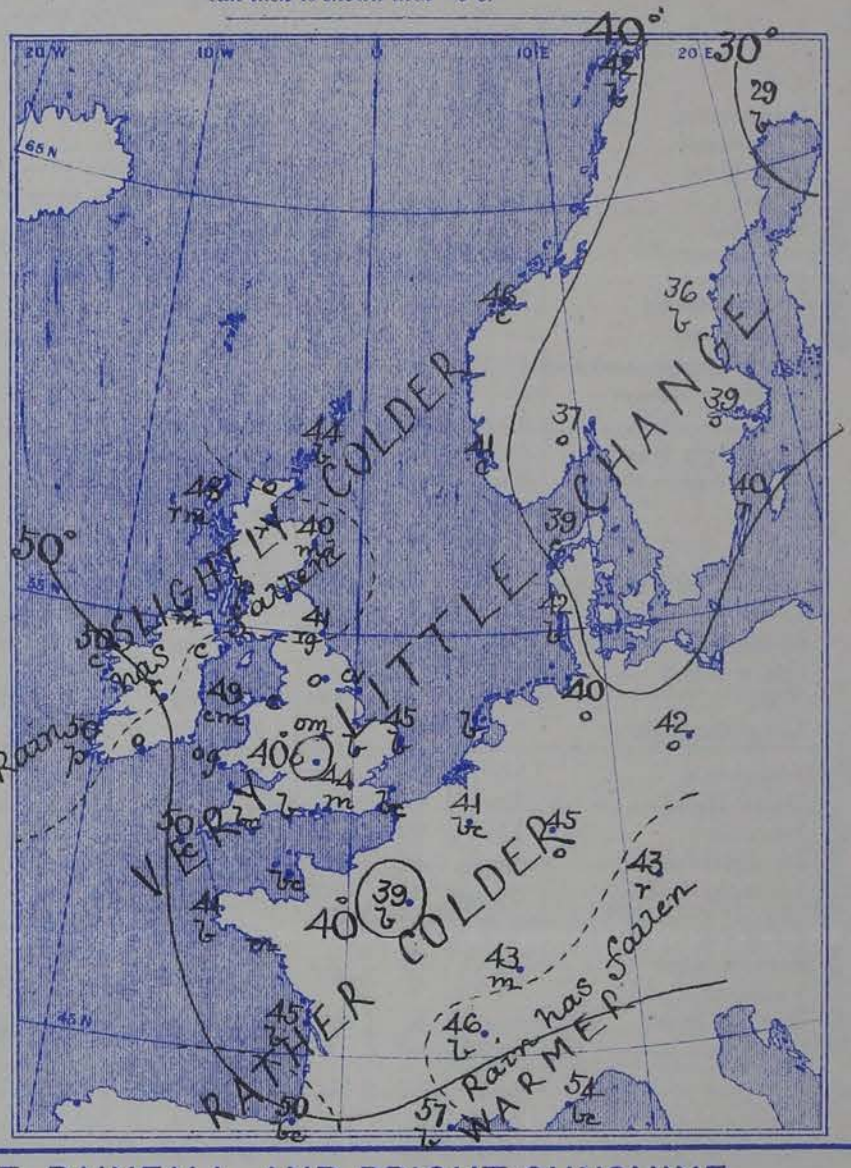


TEMPERATURE & WEATHER.

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 APRIL.

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·5 in: and upwards over the Gulf of Bothnia and the northern parts of Sweden; 30·1 in: and upwards in an anticyclone extending from northern Europe over the North Sea and the eastern and central parts of England. Lowest, 29·7 in: and less, in the south east of France; 30·0 in: and less, in a shallow depression lying over Scotland. Gradients slight. Barometer rising generally, but falling a little in the north of Scotland.

TEMPERATURE — Highest, (1) 57° at Perpignan, 55° at Lisbon, and 54° at Nice; (2) 51° at Danaghadee and Rockhill, and 50° at Belmullet, Parsonstown, Valencia (Ireland) & Scilly. Lowest, (1) 29° at Haparanda and 36° at Hernösand; (2) 38° at Oxford and 40° at Aberdeen; (3) 39° at Paris and 41° at Brussels. Frost occurred last night over the inland parts of England, the lowest temperatures reported being:- (1) In the screen 29° at Oxford and 30° at Cambridge; (2) On the grass 25° at Oxford and 26° in London.

WIND — Moderate from the E.ed over the greater part of Scandinavia, Denmark, and North Germany, but calm in the Gulf of Bothnia. Light from the NE.ed over the Netherlands, the east and south of England and the north of France, and from the N.ed over South Germany & Central France. W. in the north of Ireland, S. over the northern parts of Great Britain generally, but calm in the west of Scotland.

WEATHER — Cloudy or dull over Ireland and the northern parts of Great Britain, with rain in many places. Fair or fine in most other parts of our area, but dull in Germany and the south of Sweden, with rain at Munich and Wisby. Since yesterday rain has fallen at several of our more western and northern stations, as well as in the southern parts of France & Germany.

SEA — Slight or smooth generally, but moderate on our extreme southwest coasts, and rather rough at Lizard Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression over Scotland will probably move away to the northward. Over the southern parts of the United Kingdom anticyclonic conditions seem likely to hold for the present.

FORECASTS

For the 24 hours ending at NOON on 24TH APRIL 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. winds, light or moderate; some rain at first then fair.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	E. and NE. winds, light; fair generally
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST.	SE. winds, light; cloudy, some rain.
7 ENGLAND N.W.	
8 ENGLAND S.W.	E. and SE. winds, moderate; cloudy, some showers.
9 IRELAND NORTH	SW. to S. winds, light or moderate; cloudy, some rain.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·23	48	42	W	2	b	1
Sumburgh Head	30·15	47	45	SE	3	c	4
Stornoway	29.98	60	55	SE	2	b	2
Aberdeen	30·10	45	43	SE	4	cg	4
Shields	30·10	50	46	S	3	bm	3
Ardrossan	30·03	55	54	SSW	1	b	1
Malin Head ...	29.99	51	56	SW	3	b	1
Belmullet	29.98	51	50	SSW	2	r	*
Holyhead	30·07	53	51	NW	1	cm	1
Valencia	30·00	51	50	SSE	3	r	4
Scilly	30·03	54	50	ESE	3	b	4
Jersey	30·03	52	49	ENE	4	bc	3
Hurst Castle ...	30·07	48	44	ENE	4	cm	2
Dungeness ...	30·02	46	42	NE	5	c	4
North Foreland	30·07	46	43	NE	4	b	3
London (Westminster)	30·08	48	44	ENE	3	o	*
Yarmouth ...	30·10	47	43	ENE	4	bc	4
Rochefort ...	29.98	61	58	NW	3	bc	*

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

Weather in morning fair and dry over Western Europe as a whole, but with a good deal of cloud in places. Dull in most of the eastern, central, and southern countries, with rain over Austria and the southern parts of France, Germany, and Russia, as well as at Hernösand; snow falling at Karlstad. Rain falling later in many parts of Ireland and Scotland; no important change occurring elsewhere.

Temperature fallen in our Islands and also in France, Spain, and Austria, changed irregularly elsewhere. Morning readings (highest) 71° at Patras, 67° at Athens and Constantinople and 65° at Lesina; above 55° at most of the Mediterranean, Adriatic, and Spanish coast stations. Lowest 30° at Haparanda, 33° at Archangel, and 34° at Hangö and Riga. Rising during day to 55° and upwards at several of our more western and northern stations, and to 62° at Stornoway, but remaining below 50° on our east and southeast coasts. Exceeding 60° in the west and south of France, and reaching 66° at Perpignan. Sharp frost occurring over the inland parts of England at night.

Wind light to moderate from the NE.ward or E.ward over the southern parts of England, and the northern and central parts of the Continent generally, NW. in the south of France, variable in Italy, SE. at the Adriatic stations. S. in Ireland and also in the northeast of Scotland, calm or variable in the west and south of Scotland. Subsequently veering to the SW.ward in Ireland, no important change occurring elsewhere.

Barometer highest 30·4 in: and upwards over the northern parts of Scandinavia; 30·1 in: and upwards in an anticyclone embracing the whole of northern Europe and extending westwards over the greater part of our Islands. Lowest 29·8 in: and less, in a depression over Italy and the southeast of France; 30·0 in: and less, in a large shallow area over the central and southern parts of Russia. Italian depression subsequently spreading northwards; new but very shallow disturbance moving northwards along our own western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 24th April, 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 ...	30·48	26	Z	0	b	30·44	−·15	22	21	− 7	Z	0	b	*	b	*	37	21	—
	Hernösand ...	30·51	30	Z	0	b	30·48	−·02	35	32	− 1	E	2	o	*	b	*	46	30	—
	Stockholm ...	30·39	37	ENE	4	o	30·43	+·10	43	41	+ 4	ESE	2	o	*	o	*	43	36	—
	Wisby	30·30	43	SE	4	o	30·40	+·18	46	44	+ 6	SSE	4	o	*	o	*	46	34	—
	Karlstad ...	30·29	40	NE	4	r	30·36	+·06	39	38	+ 2	E	2	m	*	r	*	*	*	0·39
	Bodö	30·41	40	ESE	2	b	30·29	−·18	44	39	+ 2	E	4	b	1	b	*	45	34	—
	Christiansund ...	30·25	48	ESE	2	c	30·25	−·05	43	40	− 3	W	7	o	4	c	*	54	43	—
	Skudesnaes ...	30·26	39	SE	2	o	30·30	+·09	40	39	− 1	SSE	6	o	2	o	*	41	36	*
	Færder (Christiania Fjord)	30·26	39	NE	2	o	30·36	+·05	39	38	+ 2	NW	1	o	0	o	*	39	37	—
	Skagen (The Scaw)	30·27	41	NE	1	o	30·36	+·10	40	39	+ 1	NE	1	b	0	o	*	43	37	—
	Fanö	30·23	41	Z	o	b	30·32	+·17	39	37	− 3	E	1	b	*	b	*	50	34	—
	Sumburgh Head	30·04	43	SE	4	bc	30·03	−·03	45	45	+ 1	S	2	c	4	bc	*	48	38	0·03
	Stornoway ...	29·92	51	NW	3	c	30·08	+·16	47	45	− 1	W	3	bc	3	c	0·3	51	39	0·35
	Wick	29·95	43	S	3	r	30·09	+·10	50	49	+ 7	NW	1	bc	2	r	*	50	40	0·10
	Nairn	29·96	47	Z	o	r	30·12	+·16	49	47	+ 3	W	1	b	1	r	*	50	41	0·26
	Aberdeen ...	29·99	43	SSE	4	ogrq	30·14	+·11	48	45	+ 8	SW	2	c	2	ogrq	0·0	48	40	0·26
British Islands.	Leith	29·99	47	E	1	r	30·15	+·15	50	47	+ 6	WSW	1	rm	*	r	*	50	42	0·12
	Shields	30·01	50	Z	o	o	30·18	+·15	44	43	+ 3	SSW	1	op	2	r, cm, o	*	55	39	0·02
	Spurn Head ...	30·08	44	SE	4	c	30·21	+·11	46	44	+ 2	SSE	3	b	3	c, bv	*	47	40	—
	York	30·05	51	SSE	1	b	30·21	+·13	45	43	+ 4	SSE	1	c	*	b	1·9	53	38	—
	Loughborough ...	30·09	52	SE	1	c	30·20	+·09	44	41	+ 3	SE	1	cmw	*	o, c, bc, c	*	56	35	—
	Ardrossan ...	29·99	48	WNW	2	p	30·15	+·16	50	49	+ 3	S	2	c	2	r	*	52	46	0·07
	Malin Head ...	30·01	49	NW	2	og	30·13	+·16	51	50	+ 2	SW	1	b	0	o	*	51	42	—
	Belmullet ...	30·06	52	W	1	b	30·16	+·13	50	47	o	W	1	b	*	b	*	55	37	0·01
	Donaghadee ...	30·14	48	NW	3	op	30·16	+·15	48	48	− 3	E	3	c	1	qp	*	64	44	0·31
	Liverpool (Bidston)	30·07	52	ESE	1	o	30·18	+·12	47	45	+ 5	Z	0	o	?	omr	*	63	42	0·02
	Holyhead ...	30·06	49	SW	3	omr	30·15	+·11	49	48	o	SE	1	omp	1	o	*	53	47	0·02
	Parsonstown ...	30·04	50	Z	o	r	30·15	+·13	47	45	− 3	Z	0	o	*	or	0·0	52	44	0·37
	Valencia ...	30·07	52	NW	1	c	30·18	+·14	46	43	− 4	Z	0	bc	3	o, c	1·1	52	37	0·05
	Roche's Point ..	30·07	50	SW	2	rm	30·16	+·11	49	47	− 2	N	3	b	3	rm	*	52	45	0·45
	Pembroke (St. Ann's Hd.)	30·09	47	WSW	2	o	30·15	+·08	48	46	o	ESE	2	ogm	3	o	0·2	50	45	—
	Scilly	30·09	49	E	2	bc	30·13	+·10	51	46	+ 1	ENE	3	c	3	c, bc	10·4	54	45	—
	Prawle Point ...	30·10	45	ENE	3	bc	30·17	+·10	47	45	+ 2	ENE	3	c	2	bc	*	50	39	—
	Jersey (St. Aubin's)	30·06	52	ENE	4	b	30·13	+·09	50	46	+ 1	NE	3	bm	3	c, b	*	55	43	—
	Hurst Castle ...	30·09	50	SSW	1	bm	30·17	+·09	46	43	+ 1	NE	2	bcm	1	bm	*	53	37	—
	Dungeness ...	30·07	46	ENE	4	b	30·15	+·11	48	45	+ 2	NE	3	o	3	b	*	51	43	—
	North Foreland	30·12	45	NNE	3	b	30·19	+·12	48	46	+ 3	NE	3	c	3	b	*	48	42	—
	London (Brixton) ...	30·08	49	E	2	b	30·20	+·10	44	40	o	ENE	2	b	*	bc, b	8·3	56	31	—
	Oxford	30·12	44	NNE	1	b	30·20	+·08	47	44	+ 9	SE	1	c	*	b	*	55	32	—
	Cambridge ...	30·10	54	E	1	b	30·23	+·11	43	41	o	ESE	1	bcw	*	b	12·6	58	29	—
	Yarmouth ...	30·11	45	ENE	4	b	30·21	+·12	47	45	+ 2	E	4	b	4	b	*	48	43	—
Germany & Holland.	Cuxhaven ...	30·16	43	NE	3	b	30·26	+·18	42	42	+ 2	NNE	2	b	*	b	*	46	39	—
	Berlin	30·10	46	E	2	o	30·21	+·16	43	41	+ 1	NE	2	o	*	o	*	52	39	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29·97	45	E	1	o	30·06	+·23	43	42	o	NE	1	o	*	o	*	46	41	0·04
	The Helder ...	30·11	47	ENE	2	b	30·23	+·17	44	40	o	ENE	3	b	2	b	*	48	41	—
Belgium.	Brussels ...	*	*	*	*	*	30·18	+·15	45	41	+ 4	ENE	3	b	*	o	*	50	36	—
	Cape Gris Nez ...	?	46	E	3	b	?	?	45	41	− 1	ESE	1	c	1	b	*	52	37	—
	Paris	30·02	49	NE	4	b	30·09	+·13	43	41	+ 4	NE	2	b	*	b	*	57	36	—
	Brest	30·00	52	ESE	3	b	30·08	+·09	43	42	+ 2	E	1	b	0	b	*	59	37	—
	Lorient	29·99	51	W	1	b	30·08	+·12	44	41	+ 1	E	3	b	4	b	*	63	39	—
France &	Rochefort ...	29·96	60	NE	3	b	30·05	+·12	45	43	o	ENE	4	b	*	b	*	68	41	—
	Belfort	29·89	50	E	2	m	30·04	+·21	45	42	+ 2	E	2	m	*	m	*	50	41	—
	Lyons	29·89	55	NNE	2	o	29·99	+·15	47	45	+ 1	N	2	b	*	o	*	59	43	—
	Nice	29·75	52	SW	1	c	29·89	+·23	54	50	o	E	1	c	1	c	*	61	48	—
	Perpignan ...	29·84	63	N	3	b	29·95	+·10	54	49	− 3	W	2	b	*	b	*	68	46	—
	Biarritz ...	29·86	58	NNE	4	b	29·93	+·04	52	51	+ 2	Z	0	b	2	b	*	59	46	—
Penin-sula.	Corunna ...	29·82	63	NE	3	b	29·96		60	54		NNE	3	b	3	b	*	64	50	—
	Lisbon	29·81	55	NNW	2	o	29·84	−·01	58	54	+ 3	NNE	3	bc	*	o	*	61	54	0·04
	Azores (P. Delgada)	30·25	56	NE	3	c	30·26	+·05	57	50	+ 1	N	3	o	2	c	*	63	54	—

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

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

Bright Sunshine yesterday Southport 0·8 hrs;

WEATHER CHARTS

FOR Sunday, 24th April, 1898

BAROMETER, WIND AND SEA.

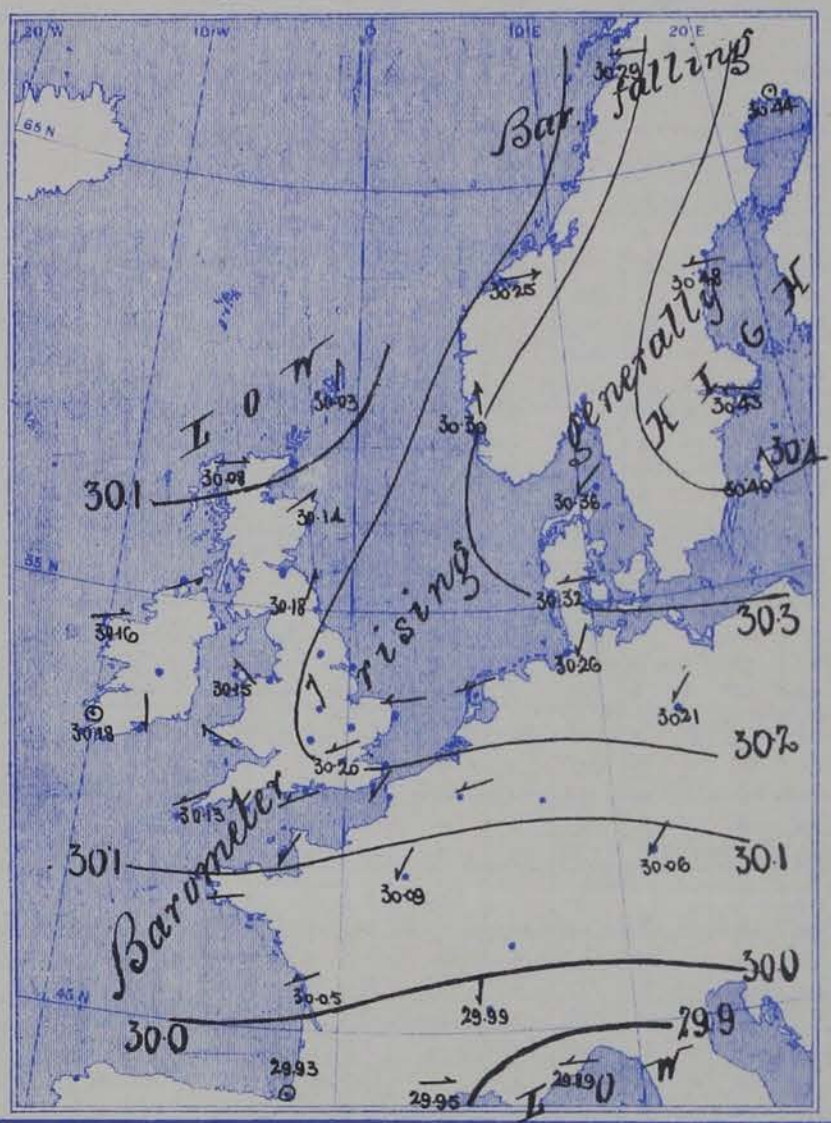
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

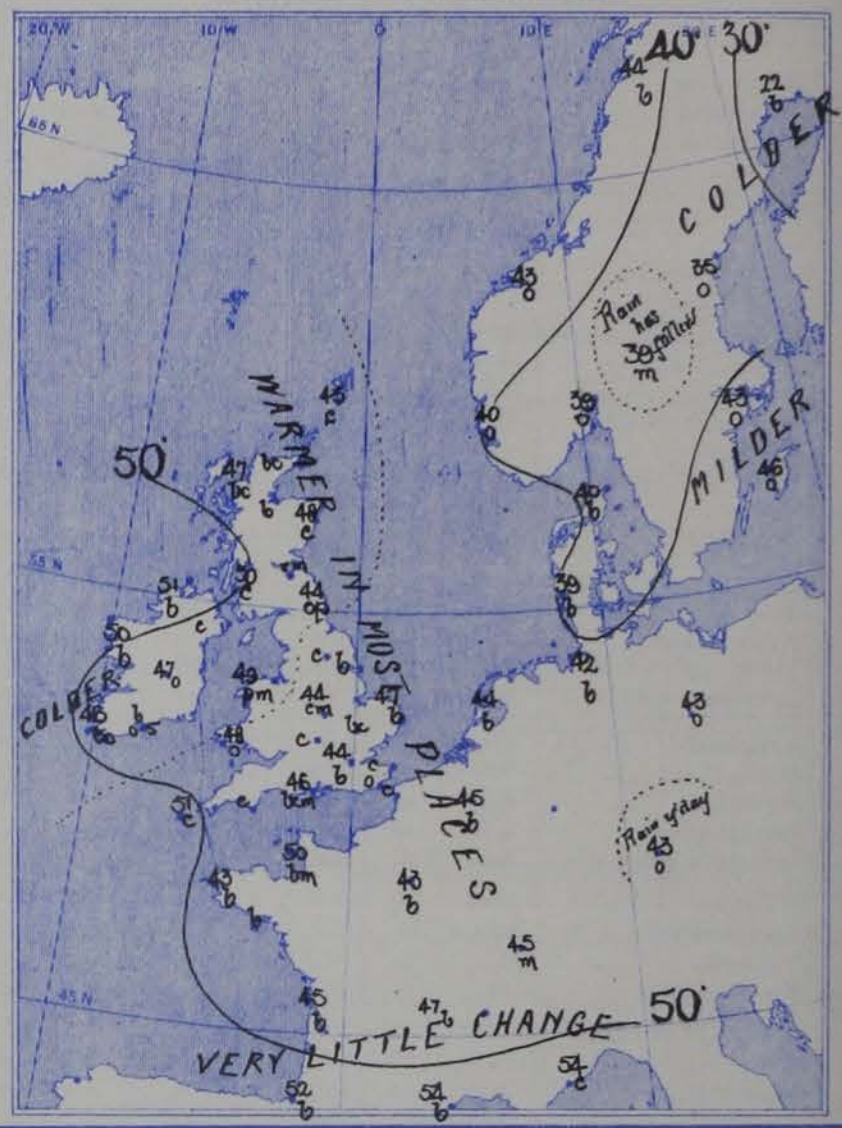


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and upwards in Sweden; 30·1 ins: and upwards in an anticyclone covering the greater part of northern and northwestern Europe.
Lowest, 29·9 ins: and less, in the extreme south of France, and also over the central and southern parts of the Spanish Peninsula.
Gradients slight. Barometer rising a little in most places, but falling over the northern parts of Scandinavia.

TEMPERATURE

Highest (1) 60° at Coruna, 58° at Lisbon, and 54° at Nice and Perpignan; (2) 51° at Malin Hd. 50° at Wick, Leith, Aberdeen and Belmullet.
Lowest, 22° at Haparanda, 35° at Hernösand, and 39° at Karlstad and Haparanda; lowest in our Islands 43° at Cambridge.
Frost occurred last night over the inland parts of England, the lowest temperatures recorded being (1) In the screen 29° at Cambridge, 31° in London and at Oxford; (2) On the grass 24° in London.

WIND

Light from the E.ly or NE.ly in the south of our Islands, and also over Denmark, Germany, the Netherlands and the greater part of France; variable in the south of France.
Light from the W.ly or SW.ly over the northern parts of our Islands; strong from between S. and W. in the west of Norway, E. or SE. in Sweden.

WEATHER

Fair or fine over Western Europe as a whole, but cloudy and showery at some stations in the north of England and south of Scotland. A solar halo is reported at Oxford. Dull at most of the Scandinavian stations.
Rain fell yesterday over Ireland and the northern parts of Great Britain, as well as at Karlstad, Munich, and Lisbon.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 25th APRIL 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 ...	30·25	40	39	SE	5	r	2
Sumburgh Head	30·04	46	43	SE	4	b	5
Stornoway	29·91	50	49	E	0	r	0
Aberdeen	29·99	42	41	SSE	5	orgq	5
Shields	30·00	53	49	SSW	2	cm	2
Ardrossan	29·97	51	50	WNW	2	o	1
Malin Head ...	29·99	50	50	W	2	o	0
Belmullet	30·04	54	49	W	1	b	*
Holyhead	30·06	52	50	SSW	3	m	2
Valencia	30·06	51	46	NNE	1	o	4
Scilly	30·06	53	50	ESE	3	c	4
Jersey	30·04	54	49	NE	3	b	3
Hurst Castle ...	30·08	53	48	S	2	bm	1
Dungeness ...	30·06	50	46	ENE	4	b	3
North Foreland	30·10	48	45	NNE	3	b	3
London (Westminster)	30·08	53	47	ENE	2	b	*
Yarmouth ...	30·10	45	44	ENE	3	b	3
Rochefort ...	29·96	63	61	NE	3	b	*

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

Weather in morning fine in Spain, France, the Netherlands, and the south and east of England, as well as in the northern parts of Russia and Scandinavia and in Greece. Cloudy or dull elsewhere, with rain at many stations in Ireland and the northern parts of Great Britain, as well as at Nizky, Munich, Turin and Florence. Rain falling later in the west and north of our Islands generally, but amount slight as a rule.

Temperature fallen in the western and northern parts of the United Kingdom and also in France and Italy, risen in most other localities. Morning readings highest 67° at Algiers, 64° at Athens and Patras, and 63° at Constantinople; above 55° in most parts of southern Europe. Lowest 17° at Archangel, 28° at Kuopio, 29° at Haparanda, and 32° at Uleaborg; below 40° over northern Europe generally, as well as in some parts of Central England. Rising during day to between 50° and 55° over our Islands generally, and to 58° at Cambridge; exceeding 60° in the west and south of France, and reaching 68° at Perpignan. Sharp pound frost over the inland parts of England at night.

Wind light to moderate from the E^ly or NE^ly over the south of England and the greater part of the Continent, but NW^ly in the south of France and SW^ly in Italy. W^ly in the north of Ireland; S^ly over the northern parts of Great Britain as a whole, but calm in the west and south of Scotland. NW^ly winds setting in later over Ireland and the west of Scotland; no important change occurring elsewhere.

Barometer highest 30·6 in. and upwards in the extreme north of Russia; 30·1 in. and upwards in an anticyclone lying over northern Europe generally, and extending over the North Sea and the eastern and central parts of England. Lowest 29·7 in. and less, in a depression over the northern and central parts of Italy and the neighbouring parts of France and Austria; 30·0 in. and less, in a shallow disturbance over Scotland. No decided change taking place over Western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Monday, 25th April, 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 ...	30·29	31	SSW	2	b	30·18	-·26	38	34	+16	NW	0	b	*	b	*	?	10	-
	Hernösand ...	30·39	36	NW	0	c	30·30	-·18	39	34	+4	SW	2	c	*	c	*	43	25	-
	Stockholm ...	30·43	41	NW	0	0	30·41	+·02	44	42	+1	NW	0	f	*	0	*	50	36	-
	Wisby	30·45	44	S	4	0	30·39	-·01	47	44	+1	SSE	4	c	*	0	*	50	39	-
	Karlstad ...	30·39	43	NW	0	0	30·36	·00	43	?	+4	N	2	f	*	0	*	*	*	-
	Bodö	30·20	41	NW	0	0	30·25	-·04	42	39	-2	SW	4	c	2	0	*	48	36	0·08
	Christiansund ...	30·29	46	WSW	2	c	30·30	+·05	47	43	+4	WSW	2	0	8	c	*	47	43	-
	Skudesnaes ...	30·37	42	S	4	0	30·36	+·06	43	41	+3	NW	0	0	2	0	*	43	39	*
	Færder (Christiania Fjord)	30·40	41	W	1	b	30·36	·00	41	40	+2	NNE	1	bc	1	b	*	43	37	-
	Skagen (The Scaw)	30·39	42	NE	2	0	30·34	-·02	44	43	+4	E	1	bc	0	0	*	52	37	-
	Fanö	30·30	44	E	2	c	30·25	-·07	44	43	+5	E	1	0	*	c	*	50	39	-
British Islands.	Sumburgh Head	30·15	50	SW	3	bc	30·06	+·03	46	45	+1	SE	3	0	4	bc	*	53	39	-
	Stornoway ...	30·14	51	SSE	3	b	30·11	+·03	47	46	0	SW	3	c	3	cprh, b	10·1	55	40	0·08
	Wick	30·19	48	S	1	b	30·16	+·07	50	49	0	SW	1	c	1	b	*	53	40	0·03
	Nairn	30·15	55	E	1	b	30·16	+·04	49	47	0	E	1	b	1	b	*	58	37	-
	Aberdeen ...	30·22	47	S	2	c	30·24	+·10	45	43	-3	SSE	3	c	2	c	4·8	53	42	-
	Leith	30·19	52	W	0	†	30·19	+·04	45	44	+5	W	0	m	*	†	*	53	38	0·01
	Shields	30·20	46	SE	2	0	30·25	+·07	45	41	+1	SSE	2	c	2	0	*	49	37	-
	Spurn Head ...	30·22	45	ESE	4	c	30·21	·00	46	44	0	E	4	c	4	c	*	51	43	-
	York	30·21	52	E	2	bc	30·25	+·04	43	40	-2	NE	1	om	*	c	4·8	57	35	-
	Loughborough ...	30·18	56	NE	3	bc	30·23	+·03	43	40	-1	ENE	1	cmw	*	c,bc,b,o	*	60	31	-
	Ardrossan ...	30·19	50	SW	1	0	30·19	+·04	49	47	-1	NE	1	bf	1	0	*	54	42	-
	Malin Head ...	30·17	49	E	2	bc	30·12	-·01	51	50	0	S	2	b	1	bc	*	53	45	0·06
	Belmullet ...	30·20	52	W	1	b	30·11	-·05	49	46	-1	S	3	0	*	b	*	54	43	0·01
	Donaghadee ...	30·18	49	SSE	3	c	30·20	+·04	46	46	-2	WSW	3	m	1	c	*	51	37	0·06
	Liverpool (Bidston)	30·18	50	NW	1	b	30·22	+·04	45	44	-2	ESE	2	b	2	bm	*	53	37	-
	Holyhead ...	30·19	50	NW	1	cm	30·18	+·03	49	48	0	W	0	f	0	cm	*	54	43	-
	Parsonstown ...	30·16	53	W	0	b	30·16	+·01	51	47	+4	SE	1	b	*	c,b	3·6	56	40	-
	Valencia ...	30·21	51	NNW	3	bcv	30·15	-·03	48	45	+2	W	0	bc	2	bcv	12·4	52	38	-
	Roche's Point ..	30·18	55	WSW	3	b	30·17	+·01	52	50	+3	SE	2	bc	3	b	*	58	44	-
	Pembroke (St. Ann's Hd.)	30·18	51	NW	1	0	30·18	+·03	47	44	-1	ESE	3	bm	3	0	0·0	57	43	-
	Scilly	30·18	51	NNE	3	c	30·13	·00	51	49	0	NE	3	c	2	c	5·9	55	46	-
	Prawle Point ...	30·16	49	ENE	3	c	30·15	-·02	47	44	0	NE	4	b	2	c	*	53	41	-
	Jersey (St. Aubin's)	30·10	54	NE	4	cm	30·10	-·03	49	46	-1	NE	3	cm	3	bc.cm	*	56	45	-
	Hurst Castle ...	30·14	53	W	0	b	30·15	-·02	41	40	-5	NE	4	om	2	b	*	56	36	-
	Dungeness ...	30·14	48	NE	4	bc	30·11	-·04	50	47	+2	NE	5	bc	3	bc	*	53	39	-
	North Foreland	30·19	44	NNE	3	b	30·16	-·03	48	45	0	NE	3	b	3	b	*	49	43	-
	London (Brixton) ...	30·18	50	E	3	bc	30·17	-·03	47	44	+3	ENE	3	0	*	bc.b	6·1	58	36	-
	Oxford	30·19	48	E	1	b	30·20	·00	41	39	-6	NNE	2	0	*	bm	*	57	31	-
	Cambridge ...	30·19	53	E	3	b	30·20	-·03	46	44	+3	ENE	2	0	*	b	12·6	61	30	-
	Yarmouth ...	30·21	47	ENE	4	b	30·20	-·01	46	43	-1	ENE	3	cv	3	b	*	48	41	-
Germany & Holland.	Cuxhaven ...	30·24	46	E	2	0	30·20	-·06	44	44	+2	E	2	0	*	0	*	46	43	-
	Berlin	30·21	49	E	2	0	30·17	-·04	49	47	+6	E	3	c	*	0	*	50	43	-
	Wiesbaden ...	*	*	*	*	*	30·10		50	47		NE	1	c	*	*	*	57	39	-
	Munich	30·09	48	SE	1	0	30·08	+·02	45	45	+2	SE	1	0	*	0	*	50	39	-
	The Helder ...	30·19	47	ENE	3	b	30·17	-·06	46	44	+2	NE	2	0	2	b	*	48	43	-
France & Belgium.	Brussels ...	*	*	*	*	*	30·13	-·05	45	42	0	ENE	1	b	*	b	*	57	37	-
	Cape Gris Nez ...	?	46	E	4	bc	?	?	45	42	0	E	2	b	1	bc	*	54	37	-
	Paris	30·05	50	NE	3	b	30·07	-·02	45	42	+2	NE	2	bc	*	b	*	65	39	-
	Brest	30·10	50	NE	2	0	30·07	-·01	47	45	+4	NE	3	bc	2	0	*	57	43	-
	Lorient	30·06	53	NE	4	c	30·02	-·06	47	45	+3	ENE	4	bc	4	e	*	64	39	-
	Rochefort ...	30·03	57	NW	4	b	29·98	-·07	50	46	+5	E	3	b	*	b	*	73	41	-
	Belfort	30·02	50	ENE	3	m	30·02	-·02	46	45	+1	E	2	m	*	m	*	56	41	-
	Lyons	29·98	57	NW	1	b	30·01	+·02	48	47	+1	NW	1	b	*	b	*	60	43	-
	Nice	29·95	54	SSE	2	bc	29·97	+·08	56	52	+2	E	1	b	2	bc	*	64	48	-
	Perpignan ...	29·93	61	E	2	b	29·99	+·04	52	49	0	SW	2	b	*	b	*	70	44	-
	Biarritz ...	29·95	59	N	3	b	29·94	+·01	55	52	+3	SW	4	0	2	b	*	63	52	-
Peninsula.	Corunna ...																*			
	Lisbon	29·86	61	NNW	5	0	29·89	+·05	63	57	+5	N	4	b	*	0	*	68	55	-
	Azores (P. Delgada)	30·34	55	N	2	b	30·32	+·06	59	52	+2	NNW	3	bc	2	b	*	63	52	-

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

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

Bright Sunshine yesterday Southport 3·7 hrs;

WEATHER CHARTS

FOR ..... Monday, 25th April, ... 1898

BAROMETER, WIND AND SEA.

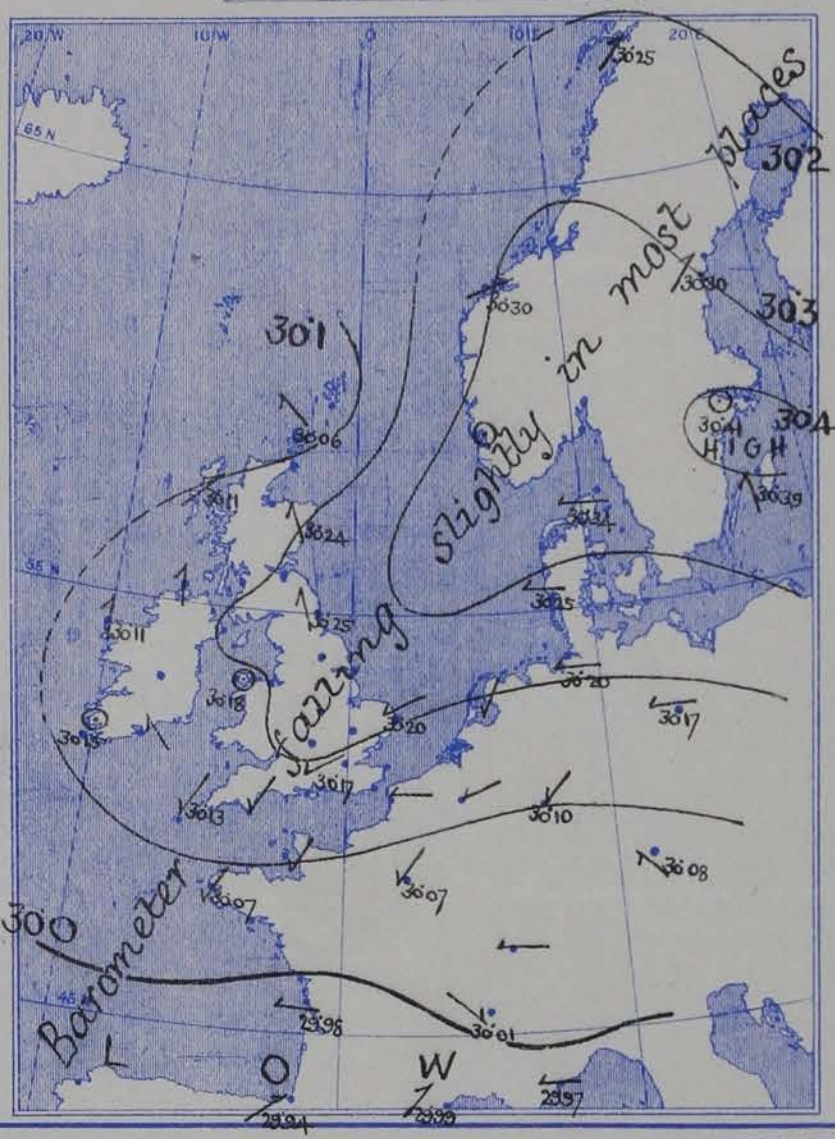
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

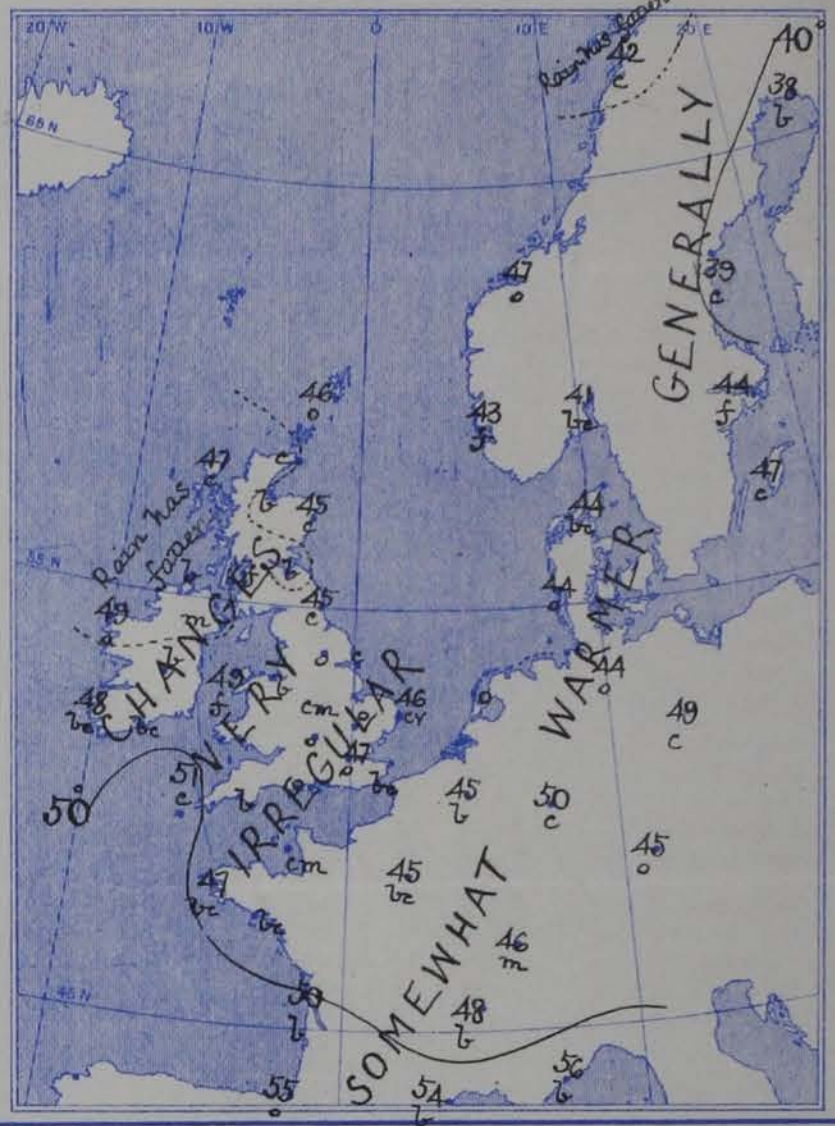


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·41 in: at Stockholm; 30·1 in: and upwards, in an anticyclone covering the whole of northern and northwestern Europe.
Lowest, 29·9 in: and less, in a shallow depression over the Spanish Peninsula.
Gradients slight. Barometer falling a little in most places.

TEMPERATURE

Highest, (1) 63° at Lisbon, 56° at Nice, and 55° at Pianosa; (2) 52° at Rocket Point, and 51° at Malin Head, Parsonstown, and Scilly.
Lowest, (1) 38° at Haparanda, 39° at Hernösand, and 41° at Jaender; (2) 41° at Oxford, and 43° at York and Loughborough.
Frost occurred last night over the inland parts of England, the lowest temperatures reported in the screen being 30° at Cambridge and 31° at Loughborough and Oxford.

WIND

Light to moderate from the E.ward or NE.ward over England, the Netherlands, Denmark, Germany, and the northern part of France; variable or SW. in the south of France.
Light from the S.ward (SE to SW) in Ireland and Scotland, and from the SW.ward in the west of Norway; calm or variable in Sweden and the south of Norway.

WEATHER

Fine over Western Europe as a whole, but dull at many of the English stations. Foggy at Aberdeen and Holyhead, as well as at Stockholm and Karlstad.
A little rain fell yesterday in the extreme north and northwest of our Islands. A solar halo was seen at Jersey.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 26TH APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and SW. winds, moderate; fair at first, some rain later.
1	SCOTLAND EAST	S. winds, moderate; fair generally.
2	ENGLAND N.E.	SE. and E. winds, light; fair generally.
3	ENGLAND EAST	E. and NE. winds, moderate; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 2
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos. 3 to 5
9	IRELAND NORTH	S. and SE. winds, moderate; fair 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 ...	30·36	42	41	S	6	o	3
Sumburgh Head							
Stornoway ...	30·14	54	49	S	3	c	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·17	51	51	E	1	bc	o
Belmullet ...	30·19	53	47	N	1	b	*
Holyhead							
Valencia							
Scilly							
Jersey	30·12	56	51	NNE	4	bc	3
Hurst Castle ...							
Dungeness ...	30·15	49	44	NE	4	bc	3
North Foreland	30·20	48	43	NE	3	b	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·06	68	62	NW	2	b	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 17TH TO THE 23RD APRIL

During the earlier part of the week the distribution of pressure was very irregular. An anticyclone of considerable height existed over Russia, its borders extending westwards over Scandinavia, while a less clearly defined system was found over or to the southeastward of the Spanish Peninsula. Between the 17th and 18th and again on the 20th the weather in our Islands was affected by two V shaped depressions which spread over our western coasts, but which afterwards broke into two portions,— one moving away to the northward, and the other to the southeastward, and each differing. These disturbances occasioned strong S winds and rain on many parts of our western and northern coasts, but excepting on the 20th, when local showers occurred over our southern counties, the unsettled weather failed to extend eastwards. Over the southern and central parts of the Continent the weather between the 17th and 20th was influenced by a depression which moved in a north-north-easterly direction from the Mediterranean across Italy and Germany to the Baltic. The progress of this disturbance was marked at first by heavy rains in northern Italy and the south of France, and afterwards by E. gales and snowstorms in the south of Scandinavia; in Germany the precipitation was apparently slight.

After the 20th the northern high pressure system spread southwestwards over the greater part of northwestern Europe. In the west and north of our Islands the conditions were still affected by depressions which moved eastwards outside our western coasts, while over southern Europe they were influenced by complex low-pressure systems which appeared over Italy and the Mediterranean. In each of these regions the weather was therefore very unsettled with considerable quantities of rain in places, and especially over northern Italy on the 22nd. Elsewhere, however, the weather was fair and dry, the wind over England and the greater part of northern and central Europe being mostly from points between N. and E. Very sharp ground frosts were experienced over England during the latter part of the week.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 26th April, 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.		Temperatures.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·13	40	2	0	c	30·17	− ·01	34	35	+ 1	2	0	b	*	c	*	46	25	—
	Hernosand ...	30·25	36	2	0	b	30·24	− ·06	42	38	+ 3	2	0	b	*	b	*	55	28	—
	Stockholm ...	30·28	42	2	0	0	30·22	− ·19	43	42	− 1	ENE	2	0	*	0	*	52	39	004
	Wisby	30·29	40	WNW	4	b	30·17	− ·22	47	41	0	ENE	4	bc	*	b	*	54	36	—
	Karlstad ...	30·26	44	N	1	0	30·23	− ·13	45	41	+ 2	N	2	c	*	0	*	*	*	—
	Bodö	30·23	41	SW	1	b	30·27	+ ·02	44	39	+ 2	E	2	b	1	b	*	46	34	—
	Christiansund ...	30·22	45	2	0	c	30·21	− ·09	46	42	− 1	2	0	c	2	c	*	50	43	—
	Skudesnaes ...	30·27	44	N	2	c	30·21	− ·15	44	42	+ 1	E	2	c	2	c	*	49	37	*
	Færder (Christiania Fjord)	30·26	46	2	0	0	30·22	− ·14	42	40	+ 1	NNE	2	0	1	0	*	46	41	—
	Skagen (The Scaw)	30·25	45	NE	1	0	30·19	− ·15	46	45	+ 2	ENE	1	0	0	0	*	54	43	—
	Fanö	30·17	49	E	1	c	30·14	− ·11	44	42	0	ENE	3	b	*	c	*	55	41	—
British Isles.	Sumburgh Head	30·13	45	S	3	c	30·08	+ ·02	47	44	+ 1	SE	3	b	4	b,c	*	50	41	—
	Stornoway ...	30·00	54	SW	4	bc	29·92	− ·19	46	45	− 1	2	0	f	0	c,bc	4·9	55	38	—
	Wick	30·06	48	SW	6	bc	30·02	− ·14	45	43	− 5	SW	4	bc	2	bc	*	52	40	—
	Nairn	30·04	56	2	0	m	29·97	− ·19	47	45	− 2	2	0	m	0	m	*	58	33	—
	Aberdeen ...	30·16	44	SSE	4	bq	30·05	− ·19	44	42	− 1	SE	2	og	2	bcq,bq	9·6	48	40	—
	Leith	30·07	52	E	1	c	30·01	− ·18	49	44	+ 4	E	2	b	*	c	*	53	36	—
	Shields	30·15	45	E	3	b	30·02	− ·23	43	41	− 2	SE	2	0	2	b	*	48	40	—
	Spurn Head ...	30·13	45	ENE	3	c	29·96	− ·25	47	45	+ 1	NE	3	0	3	c	*	49	44	—
	York	30·15	48	E	1	0	30·00	− ·25	44	41	+ 1	E	1	0	*	0	0·0	51	39	—
	Loughborough ...	30·12	48	ENE	3	0	29·97	− ·26	44	41	+ 1	ENE	3	ogm	*	cm,om	*	52	42	—
	Ardrossan ...	30·06	51	SW	2	om	29·98	− ·21	45	42	− 4	E	3	om	2	c,om	*	55	42	—
	Malin Head ...	29·98	56	S	3	bc	29·86	− ·26	48	46	− 3	SE	5	cm	3	b,bc	*	60	44	—
	Belmullet ...	29·98	52	WSW	3	c	29·84	− ·27	50	46	+ 1	SSE	2	c	*	b,c	*	55	45	—
	Donaghadee ...	30·08	49	SSE	3	m	29·97	− ·23	47	44	+ 1	SE	5	c	3	m	*	53	43	—
	Liverpool (Bidston)	30·08	50	ESE	3	b	29·95	− ·27	44	39	− 1	ESE	3	o	2	bm	*	55	39	—
	Holyhead ...	30·05	53	NE	1	m	29·91	− ·27	49	46	0	SE	1	b	0	m	*	55	41	—
	Parsonstown ...	30·00	58	2	0	bc	29·86	− ·30	47	45	− 4	SE	1	b	*	bc	9·7	61	39	—
	Valencia ...	30·01	53	S	3	bcn	29·79	− ·36	51	47	+ 3	SE	2	o	3	bcr	10·0	55	47	—
	Roche's Point ...	30·04	53	S	3	bc	29·84	− ·33	51	49	− 1	SSE	3	c	3	bc	*	55	48	—
	Pembroke (St. Ann's Hd.)	30·04	52	SW	2	b	29·87	− ·31	48	43	+ 1	SE	4	bm	4	b	10·9	52	45	—
	Scilly	30·00	51	SE	1	b	29·80	− ·33	50	47	− 1	ESE	4	bc	2	b	12·0	56	46	—
	Prawle Point ...	30·03	48	ENE	3	bc	29·81	− ·34	45	44	− 2	NE	5	o	4	bc	*	54	42	—
	Jersey (St. Anbin's)	30·00	55	NE	3	bm	29·76	− ·34	51	49	+ 2	E	5	ogm	4	bm	*	57	46	—
	Hurst Castle ...	30·03	53	ENE	4	bm	29·84	− ·31	49	47	+ 8	ENE	4	bcm	3	cm,bm	*	56	40	—
	Dungeness ...	30·03	48	ENE	4	bc	29·84	− ·27	47	46	− 3	NE	4	m	3	b,bc	*	52	45	—
	North Foreland	30·07	46	N	3	bc	29·89	− ·27	46	45	− 2	NE	3	f	3	c,bc	*	50	44	—
	London (Brixton) ...	30·06	49	E	2	c	29·91	− ·26	45	44	− 2	ENE	2	ogm	*	c.o.b	0·8	55	43	—
	Oxford	30·08	47	NE	3	c	29·92	− ·28	44	42	+ 3	E	1	o	*	c	*	54	40	—
	Cambridge ...	30·11	48	ENE	2	0	29·93	− ·27	47	45	+ 1	ENE	2	o	*	o	0·7	55	41	—
	Yarmouth ...	30·11	47	ENE	4	bc	29·93	− ·27	47	46	+ 1	ENE	4	cm	4	bc	*	48	43	—
Germany & Holland.	Cuxhaven ...	30·12	48	NNE	2	0	30·06	− ·14	43	43	− 1	E	3	b	*	o	*	52	39	—
	Berlin	30·10	51	SW	1	0	30·03	− ·14	46	44	− 3	2	0	f	*	o	*	59	43	—
	Wiesbaden ...	*	*	*	*	*	29·93	− ·17	53	42	+ 3	NE	1	bc	*	*	*	61	46	—
	Munich	30·03	50	SE	3	bc	29·93	− ·15	44	44	− 1	E	1	f	*	bc	*	57	37	—
	The Helder ...	30·08	47	NE	3	0	29·95	− ·22	49	47	+ 3	E	1	o	0	o	*	49	45	—
France & Belgium.	Brussels ...	*	*	*	*	*	29·86	− ·27	53	49	+ 8	ENE	3	c	*	b	*	60	39	—
	Cape Gris Nez ...	?	48	E	3	b	?	?	46	46	+ 1	E	2	f	2	b	*	52	41	—
	Paris	29·93	61	NE	2	b	29·80	− ·27	52	50	+ 7	N	1	o	*	b	*	69	45	—
	Brest	29·97	53	NE	2	b	29·78	− ·29	45	44	− 2	NE	1	b	0	b	*	54	39	—
	Lorient	29·93	54	NE	4	bc	29·75	− ·27	48	46	+ 1	NNE	2	r	2	bc	*	66	41	—
	Rochefort ...	29·83	60	NNW	3	bc	29·74	− ·24	54	51	+ 4	ENE	2	c	*	bc	*	72	50	004
	Belfort	29·91	56	ENE	4	m	29·83	− ·19	48	47	+ 2	ENE	3	m	*	m	*	64	43	—
	Lyons	29·88	63	E	1	c	29·83	− ·18	56	54	+ 8	ESE	1	bc	*	c	*	68	48	004
	Nice	29·91	58	SE	6	bc	29·77	− ·20	62	51	+ 6	E	7	o	5	bc	*	63	54	—
	Perpignan ...	29·91	58	SE	2	0	29·82	− ·17	54	52	0	2	0	o	*	o	*	66	49	—
	Biarritz ...	29·89	57	W	3	c	29·83	− ·11	51	50	− 4	SW	3	r	2	c	*	59	50	024
Peninsula.	Corunna ...																*			
	Lisbon	29·97	55	N	4	bc	29·99	+ ·10	56	49	− 7	NW	4	bc	*	bc	*	70	52	—
	Azores (P. Delgada)	30·28	60	NW	3	b	30·22	− ·10	60	56	+ 1	NNE	4	bc	3	b	*	66	57	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 ... 11·2 hrs;

WEATHER CHARTS

FOR Tuesday, 26th April, 1898

BAROMETER, WIND AND SEA.

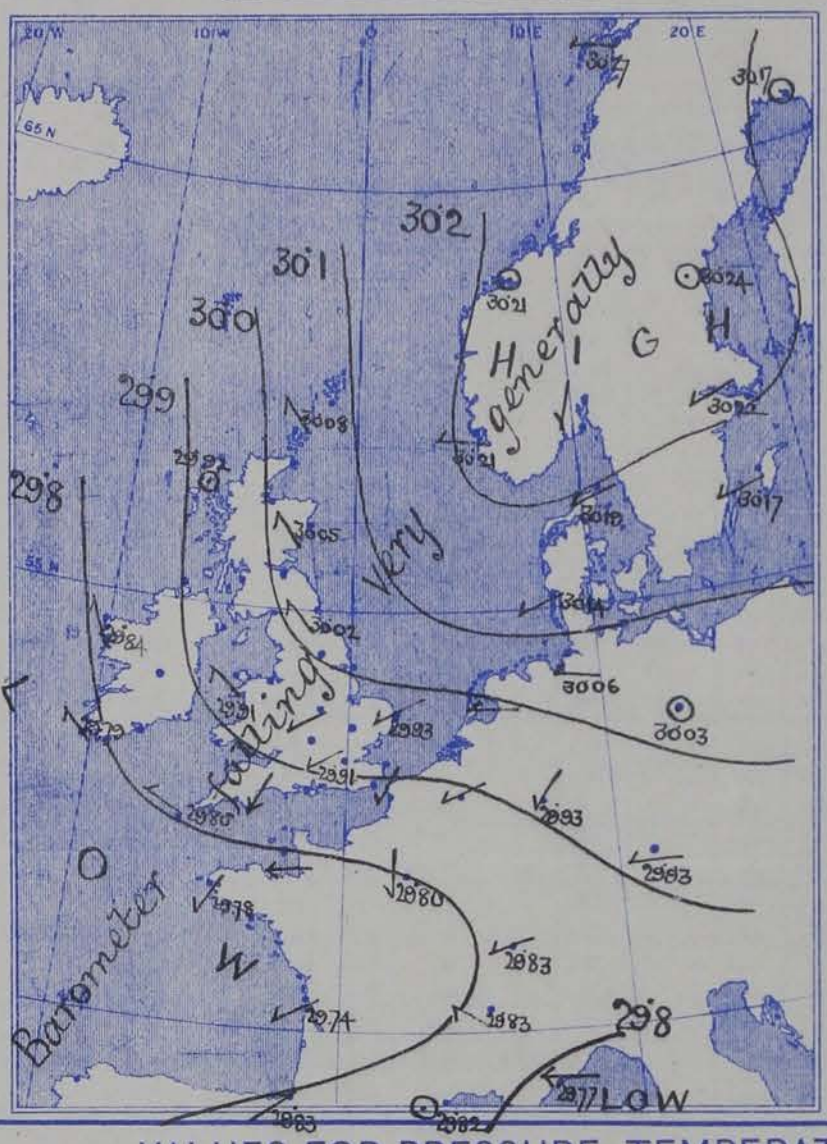
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

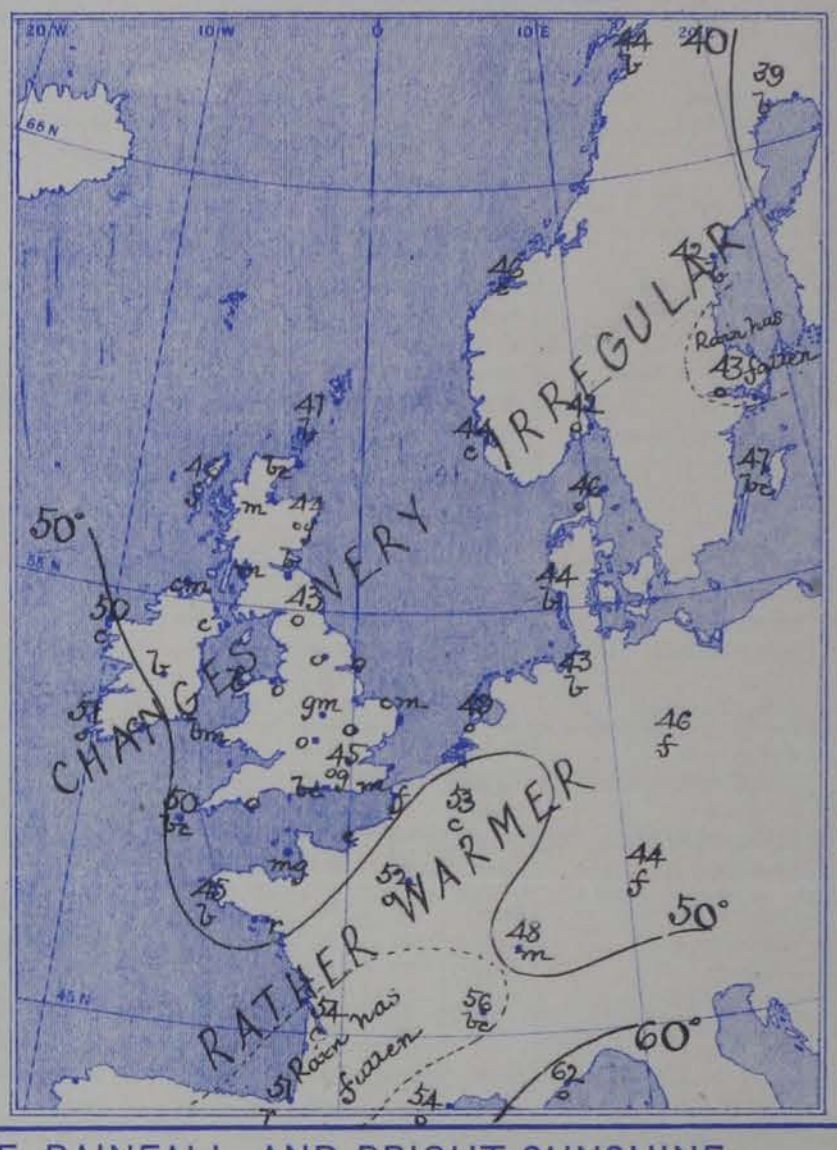


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards in an anticyclone lying over Scandinavia.
Lowest 29.8 ins. and less in a large shallow depression extending from the Atlantic over the Bay of Biscay and France, and also in another system off the south of France.
Gradients slight. Barometer falling generally, – most on our own S.W. coasts.

TEMPERATURE

Highest 62° at Nice, 56° at Lyons and Lisbon, 54° at Rochefort and Perpignan, & 53° at Brussels & Wiesbaden.
Lowest 39° at Haparanda, 42° at Hernösand and Faerder, and 43° at Stockholm, Cuxhaven & Shields.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, to 60° at Malin H.d, and 61° at Parsonstown. On our E. coasts it did not reach 50°

WIND

Light to moderate from the E.ly or NE.ly over England and the W.rn parts of the Continent generally.
SE.ly in Ireland and Scotland; calm over the northern parts of Scandinavia.

WEATHER

Fair or fine over W.rn Europe as a whole, but dull over the greater part of England and also in the W. and N. of France, with rain at Lorient and Biarritz. Fog or mist was reported on our SE. coasts, as well as in the W. of Scotland, and at some of the German stations.
A little rain fell yesterday over the S.rn parts of France, and also at Stockholm; in all other parts of our area the weather remained very dry.

SEA

Rather rough at Nice, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system over France appears to be spreading slowly northwards and will probably occasion some rain over the southern parts of our islands.

FORECASTS

For the 24 hours ending at NOON on 27TH APRIL 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.ly and SE.ly winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E.ly and SE.ly winds, light; dull, cool.
3	ENGLAND EAST	E.ly and NE.ly winds moderate or fresh; fair at first, some rain later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E.ly and SE.ly winds, light; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E.ly winds, freshening; fair at first, some rain later.
9	IRELAND NORTH	SE.ly winds moderate or fresh; fair 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·35	49	45	WSW	1	m	2	Valencia	30·07	55	49	S	3	bcv	4
Sumburgh Head	30·15	48	45	SE	3	b	4	Scilly	30·08	55	50	SE	1	b	1
Stornoway	30·05	55	51	SW	4	c	4	Jersey	30·05	57	52	NNE	3	b	3
Aberdeen	30·20	46	42	SE	4	bcq	3	Hurst Castle ...	30·08	55	51	ENE	1	cm	1
Shields	30·21	48	44	E	2	b	2	Dungeness ...	30·08	52	47	ENE	5	b	4
Ardrossan	30·12	54	52	SW	2	c	2	North Foreland	30·12	49	46	NNE	3	c	3
Malin Head ...	30·05	59	56	S	3	b	1	London (Westminster)	30·11	53	48	ENE	2	c	*
Belmullet	30·10	54	48	SSW	2	b	*	Yarmouth ...	30·15	48	44	ENE	4	bc	4
Holyhead	30·11	55	51	E	1	m	1	Rochefort ...	29·95	69	63	ENE	1	bc	*

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

Weather in morning fine over W^m. and S^th. Europe as a whole, but dull at many of the English stations, and foggy at Ardrossan and Holyhead, as well as at Stockholm and Karlstad. Fine over W^n. and central Russia, but dull over Germany, Austria and the S. of Russia. Sky clearing later in many parts of England, but a little rain falling at some of the N^n. French stations; no decided change occurring elsewhere.

Temperature risen in the W^n. and N^th. parts of the Continent, but changed very irregularly elsewhere. Morning readings highest 68° at La Calle, 66° at Patras, and 64° at Athens and Malta; above 55° over S^th. Europe generally. Lowest 34° at Archangel, 35° at Kharkov, 36° at S^t. Petersburg, and 37° at Helsingfors and Moscow; lowest in our islands, 41° at Oxford and Hurst Castle. Rising during day to 55° and upwards in several parts of the United Kingdom, to 60° at Malin H^d, and to 61° at Parsonstown. Exceeding 65° at several of the French and Spanish stations, and reaching 69° at Paris, and 70° at Lisbon.

Wind light to moderate from the E^wd. or SE^wd. over Denmark, Germany and the Baltic, and from the NE^wd. over the Netherlands, England and the N^n. parts of France. SW^ly. in the extreme south of France. S^ly. in Ireland and Scotland, SW^ly. over the northern parts of Scandinavia; W^ly. in the northern and central parts of Russia. N^ly. or NW^ly. over the Spanish peninsula, variable in Italy; NE^ly. in the S. of Russia. No important change occurring over W^n. Europe during day.

Barometer highest 30·4 ins. and upwards over the W^n. and central parts of Russia; 30·1 ins. and upwards in an anticyclone embracing the extreme N^n. half of Europe. Lowest 29·7 ins. and less in a depression lying over Algeria. No important change occurring during day, but barometer falling in nearly all parts of W^n. Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 27th April, 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 ...	30·23	38	SW	0	b	30·31	+·14	37	33	−2	SW	0	c	*	b	*	50	25	–
	Hernösand ...	30·26	34	SW	0	b	30·30	+·06	38	34	−4	SW	0	b	*	b	*	52	30	–
	Stockholm ...	30·20	42	NE	2	b	30·19	−·03	40	36	−3	NNE	2	b	*	b	*	52	39	–
	Wisby	30·14	38	NNE	4	b	30·09	−·08	44	40	−3	NE	4	b	*	b	*	52	32	–
	Karlstad ...	30·19	44	E	2	b	30·19	−·04	45	39	0	ENE	2	b	*	b	*	*	*	—
	Bodö	30·29	42	SW	0	b	30·29	+·02	43	37	−1	E	4	b	1	b	*	45	34	–
	Christiansund ...	30·23	48	ENE	2	o	30·20	−·01	48	42	+2	ENE	2	c	2	o	*	52	46	–
	Skudesnaes ...	30·16	49	SW	0	o	30·12	−·09	49	45	+5	ENE	4	b	1	b,o	*	55	43	*
	Færder (Christiania Fjord)	30·17	45	N	2	o	30·17	−·05	42	40	0	NNE	2	o	1	o	*	48	42	–
	Skagen (The Scaw)	30·13	46	ENE	2	bc	30·13	−·06	45	43	−1	ENE	3	b	0	bc	*	57	43	–
	Fanö	30·02	47	ESE	1	b	29·97	+·17	44	42	0	E	5	b	*	b	*	64	41	–
	Sumburgh Head	30·05	46	SE	2	c	30·03	−·05	46	45	−1	E	2	o	4	b.c	*	51	41	–
	Stornoway ...	29·86	53	E	2	m	29·81	−·11	47	44	+1	ESE	4	c	4	c, o	4·1	55	40	–
	Wick	29·96	46	S	4	b	29·92	−·10	46	43	+1	S	4	bc	4	b	*	52	40	–
	Nairn	29·91	54	SE	2	b	29·87	−·10	48	45	+1	E	3	c	2	b	*	61	39	–
	Aberdeen ...	29·99	44	ESE	3	o q r	29·89	−·16	45	44	+1	E	5	c q	5	a, o, r q	0·6	47	41	0·01
British Isles	Leith	29·92	48	E	2	o	29·78	−·23	46	44	−3	E	3	r	*	o	*	50	42	0·01
	Shields	29·91	45	NE	1	o	29·76	−·26	45	45	+2	NE	2	r	3	q, o	*	48	42	0·11
	Spurn Head ...	29·79	46	ENE	5	c	29·60	−·36	46	46	−1	ENE	5	o	5	c, r	*	50	45	0·11
	York	29·85	52	E	1	o	29·66	−·34	46	45	+2	ENE	1	r	*	o	0·8	53	42	0·13
	Loughborough ...	29·76	53	E	3	c	29·59	−·38	48	47	+4	ENE	2	o q m	*	o, c. m. r	*	55	44	0·17
	Ardrossan ...	29·86	50	NE	3	o m	29·72	−·26	48	47	+3	ENE	3	c m	1	o m	*	50	43	–
	Malin Head ...	29·81	48	SE	5	c m	29·70	−·16	46	46	−2	SE	4	o	3	b c m. c m	*	51	44	–
	Belmullet ...	29·78	52	W	2	o	29·69	−·15	50	46	0	ESE	2	o	*	b, o	*	59	40	–
	Donaghadee ...	29·84	48	E	3	c	29·70	−·27	48	46	+1	E	6	c	4	c	*	49	44	0·01
	Liverpool (Bidston)	29·78	51	ENE	4	o	29·63	−·32	48	46	+4	ENE	3	o	?	o q m	*	54	43	0·06
	Holyhead ...	29·76	52	ENE	3	bc	29·64	−·27	47	46	−2	NE	2	c m	1	c, bc	*	53	44	–
	Parsonstown ...	29·74	52	E	1	o	29·64	−·22	47	45	0	SE	1	c	*	c. o	4·7	59	37	–
	Valencia ...	29·71	55	S	2	c m	29·64	−·15	49	46	−2	SW	0	b m	3	c m	5·0	58	39	–
	Roche's Point ..	29·74	50	SE	3	c m	29·64	−·20	47	45	−4	NNE	3	c m	3	c m	*	55	47	–
	Pembroke (St. Ann's Hd.)	29·71	51	NW	3	b	29·58	−·29	50	48	+2	ENE	3	c m	3	b	7·3	51	46	–
	Scilly	29·64	50	ENE	3	o	29·54	−·26	53	50	+3	N	1	c	2	c m, o	5·0	54	47	0·03
	Prawle Point ...	29·63	52	NE	3	c	29·55	−·26	54	53	+9	N	2	c	1	c	*	55	44	–
	Jersey (St. Aubin's)	29·62	50	NNE	2	r m	29·57	−·19	51	50	−0	SSW	3	o q m	3	q, r m	*	53	48	0·26
	Hurst Castle ...	29·64	54	E	1	r	29·56	−·28	48	47	−1	S	1	o m	1	b c m. r	*	57	49	0·14
	Dungeness ...	29·64	50	NE	3	r	29·56	−·28	52	50	+5	SSE	2	c	2	c. b l r	*	53	46	0·57
	North Foreland	29·69	50	E	3	r	29·59	−·30	51	49	+5	SE	2	b	2	c. r. f	*	53	45	0·20
	London (Brixton) ...	29·68	54	SE	1	o q a	29·58	−·33	51	50	+6	SE	1	o	*	b c. o r. o	2·0	61	44	0·11
	Oxford	29·67	53	E	3	r	29·57	−·35	50	49	+6	NE	1	o u	*	c. r	*	59	44	0·07
	Cambridge ...	29·72	56	E	3	o r m	29·57	−·36	51	51	+4	E	1	o m	*	c, o m	2·8	65	45	0·20
	Yarmouth ...	29·75	48	ENE	5	b c	29·60	−·33	49	47	+2	ESE	4	c	4	b c. r	*	51	45	0·09
Germany & Holland	Cuxhaven ...	29·95	50	E	4	c	29·86	−·20	45	44	+2	E	5	o	*	c	*	54	41	–
	Berlin	29·93	48	NE	2	b c	29·85	−·18	48	47	+2	NE	2	o	*	b c	*	55	45	–
	Wiesbaden ...	*	*	*	*	*	29·81	−·12	49	48	−4	NE	1	r	*	*	*	64	48	0·08
	Munich... ..	29·78	63	NE	2	b c	29·73	−·20	48	48	+4	E	2	q	*	b c	*	61	41	0·04
	The Helder ...	29·79	51	ENE	3	b	29·71	−·24	46	45	−3	E	3	o	2	b	*	52	46	0·16
Belgium. France &	Brussels ...	*	*	*	*	*	29·65	−·21	60	56	+7	SW	2	o	*	r	*	66	52	–
	Cape Gris Nez...	?	55	SE	1	r	?	?	52	50	+6	S	2	b	1	r	*	55	43	0·35
	Paris	29·68	52	S	3	b	29·65	−·15	52	49	0	SE	1	b	*	b	*	67	42	–
	Brest	29·63	51	NNW	1	o	29·56	−·22	47	47	+2	NE	1	o	1	o	*	55	44	–
	Lorient... ...	29·63	54	SW	2	o	29·56	−·19	46	46	−2	E	3	m	2	o	*	66	39	0·07
	Rochefort ...	29·75	57	W	3	b c	29·54	−·20	52	50	−2	E	3	c	*	c, b c	*	61	46	0·04
	Belfort	29·74	53	S	2	r	29·67	−·16	53	52	+5	SW	0	m	*	r	*	69	46	0·08
	Lyons	29·78	53	SSE	1	r	29·68	−·15	52	52	−4	S	1	r	*	r	*	64	50	0·20
	Nice	29·78	53	E	4	r	29·66	−·11	58	52	−4	E	1	o	2	r	*	66	52	0·20
	Perpignan ...	29·75	58	E	2	o	29·63	−·19	59	55	+5	SE	2	b	*	o	*	66	50	–
	Biarritz ...	29·71	56	NNE	2	o	29·55	−·28	55	51	+4	NNW	4	c	2	o	*	57	51	0·04
Peninsula.	Corunna ...																*			
	Lisbon	29·93	54	NNW	3	b	29·99	·00	54	50	−2	NW	3	o	*	b	*	59	50	0·16
	Azores (P. Delgada)	30·28	57	NNW	3	bc	30·19	−·03	60	55	0	NNW	4	b		bc	*	64	52	–

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

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

Bright Sunshine yesterday Southport...1·6 hrs;

WEATHER CHARTS

FOR Wednesday, 27th April, 1898

BAROMETER, WIND AND SEA.

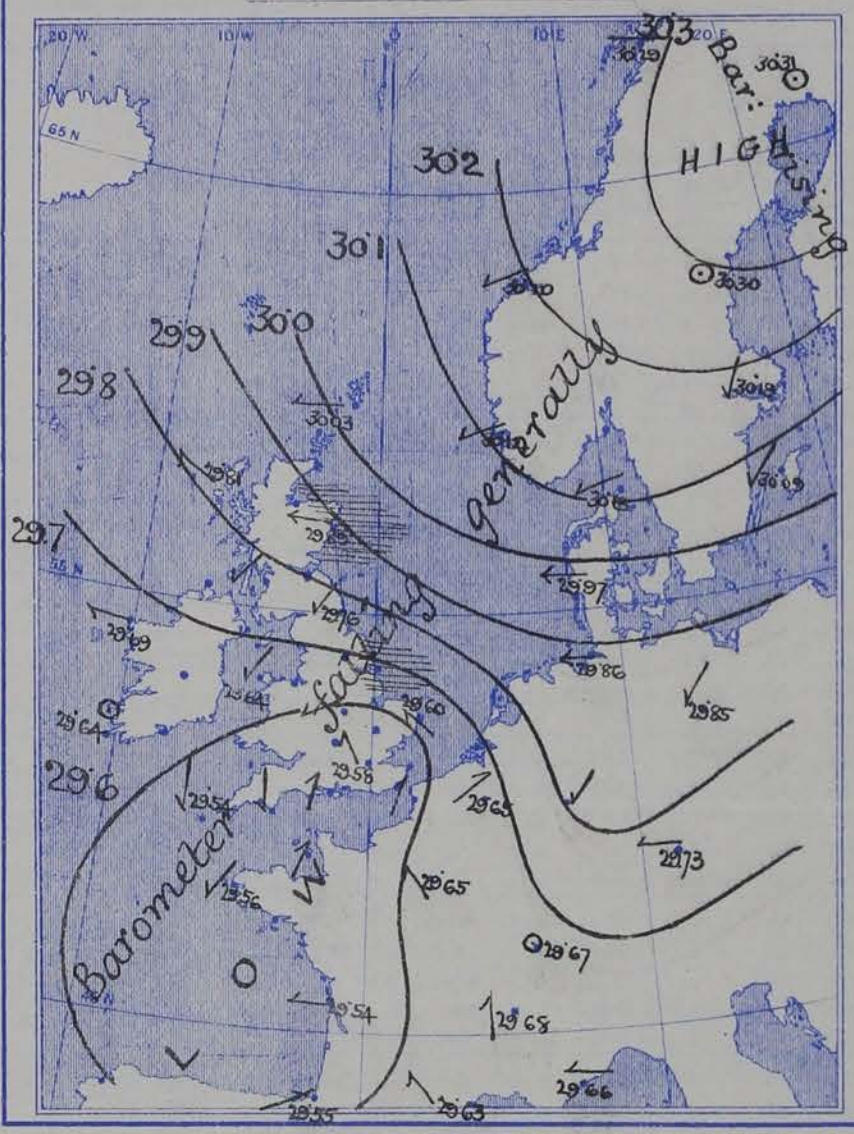
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

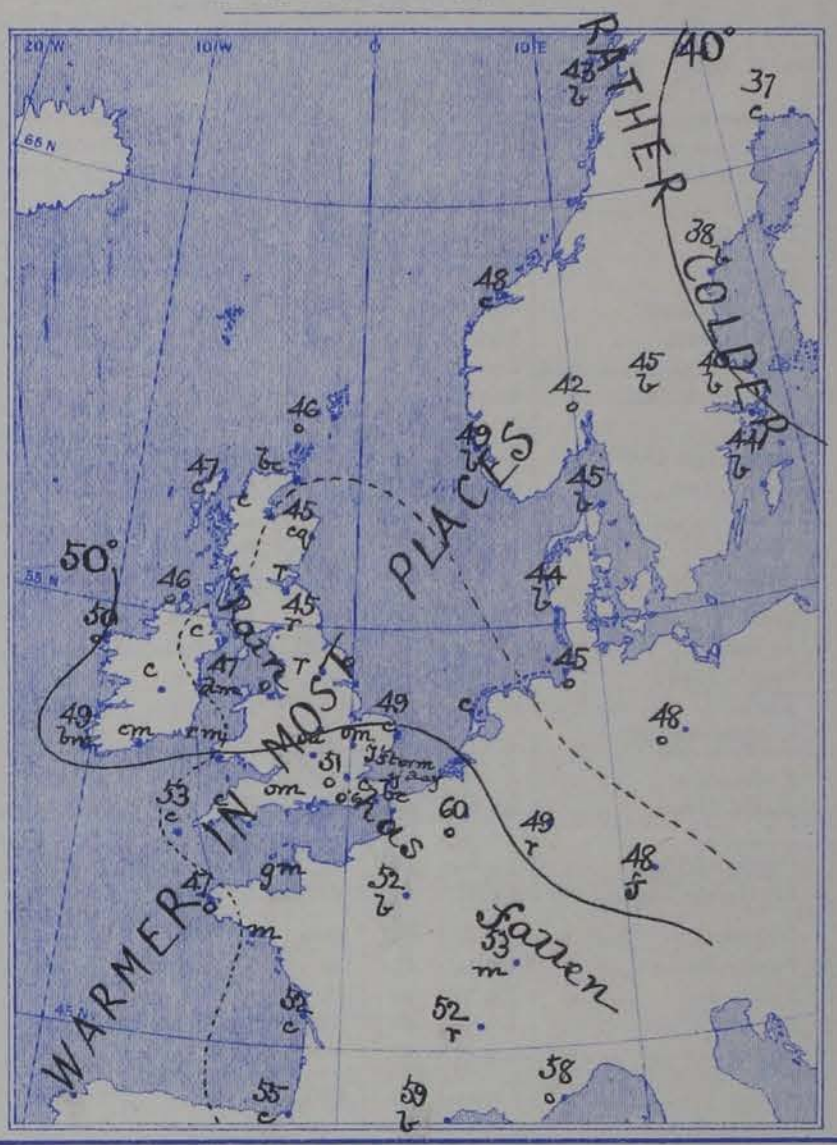


TEMPERATURE & WEATHER.

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 APRIL.*

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·3 ins: and upwards to 30·1 ins: over Scandinavia; (2) 30·0 ins: to 29·6 ins: over the greater part of the Spanish Peninsula.
Lowest, Below 29·6 ins: all over the Bay of Biscay, the Channel and the neighbouring parts of France and England.
Gradients slight, but distribution has become cyclonic in the southwest and south, though still anticyclonic in the north and northeast.
Barometer falling in most places, but rising over the north of Sweden on the one hand and the south of Portugal on the other.

TEMPERATURE

Highest, 60° at Brussels, 59° to 58° on the south coast of France, 52° to 48° over the southern half of England.
Lowest, 37° to 38° over the north of Sweden, 40° at Stockholm, 45° at Aberdeen and Shields.
It rose during yesterday to between 64° and 69° over many parts of France, and to between 65° and 60° in some parts of Germany, Belgium, and the southeast and east of England. The past night has been mild over England

WIND

E. light to moderate over Scandinavia, the North Sea and the greater part of our Islands, but has become very variable indeed over the English Channel, the Bay of Biscay, and the adjoining parts of France and England.

WEATHER

Still fine over Scandinavia, Scotland and the greater part of England, but has become changeable and rainy in many parts of England and France. Thunder and lightning have occurred over the extreme southeast of England where also the rain has been more considerable than in other districts.
Bright Sunshine recorded during yesterday amounted to 9·5 hrs: at Llandudno and to about 7 hrs: at Pembroke and Brighton: elsewhere it was less.

SEA

Rather rough on our northeast coasts, moderate in the north, and at Yarmouth, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable weather with some rain seems probable over England, France, and the south and east of Ireland, with some thunder and showers in various localities.

FORECASTS

For the 24 hours ending at NOON on 28th APRIL 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	E. by N. breezes, moderate to fresh; rain at times, unsettled.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	Same as No 5.
4 MIDLAND COUNTIES	Same as Nos 0 to 2.
5 ENGLAND SOUTH	Variable S. by W. to E. by N. breezes; some rain occasionally.
6 SCOTLAND WEST	Same as Nos 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Varying airs; cloudy, some rain
9 IRELAND NORTH	NE. by E. breezes, light and variable; slight rain in east, but fair as a whole.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·00	55	49	N	0	b	4
Sumburgh Head	30·06	49	46	SE	3	b	4
Stornoway	29·89	52	48	S	3	c	3
Aberdeen	30·01	45	43	SSE	3	og	3
Shields	29·95	46	45	E	2	ogf	2
Ardrossan	29·91	50	48	ESE	2	o	2
Malin Head ...	29·83	51	49	SE	5	bc	3
Belmullet	29·79	57	50	WSW	1	b	*
Holyhead	29·89	52	49	NW	2	cm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·73	56	49	SSE	2	cm	4
Scilly	29·70	50	47	ENE	4	cm	2
Jersey	29·66	50	49	E	4	r	3
Hurst Castle ...	29·71	55	52	E	3	bcm	3
Dungeness ...	29·71	50	49	NE	4	c	2
North Foreland	29·75	50	48	NE	3	c	3
London (Westminster)	29·74	58	55	E	3	bcm	*
Yarmouth ...	29·81	51	48	ENE	5	bc	4
Rochefort ...	29·71	60	56	SW	4	c	*

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

Weather in morning fine over the extreme north of Europe, and fair as a whole in most other places; less settled however, than of late. Foggy in several parts of southern and central Europe and in Algeria. Rain falling later – very generally over France, England, and Western Germany, but in small quantities except over the southeast of Kent and the Straits of Dover, where thunder and lightning occurred locally, remaining fine over northern Europe, Scotland, and Ireland.

Temperature in morning 69° at La Calle and above 60° over the southern parts of the Mediterranean, as well as at Leghorn and Nice; above 50° over France and south Germany, 51° at Valencia, 50° at Scilly. Lowest 36° to 39° over Finland and the north of Russia, 43° at Shields, 44° at Aberdeen and over our midland counties. Rising later to between 65° and 69° over France, and to between 60° and 65° over the southeast of England. Succeeding night mild and soft over the latter districts.

Wind light and anticyclonic over the whole of northern Europe, rather more brisk from between NE. and SE. over our Islands, the English Channel and the south of France; extremely variable – and in many places cyclonic – over the Mediterranean and southeastern Europe. Another small cyclonic circulation being developed over France later and spreading northwards to the south of England.

Barometer in morning highest (1) 30·2 ins: and more over Scandinavia and also over the south of Russia, and exceeding 30·1 ins: over Russia and the Baltic generally; (2) about 30·0 ins: over the southwest of Spain. Lowest (1) below 29·5 ins: in a depression near La Calle, and below 29·7 ins: over the southern parts of the Mediterranean; (2) below 29·8 ins: over the Bay of Biscay, and in a shallow local disturbance over the northwestern part of France, as well as below 30·0 ins: in another over Austria-Hungary. A shallow but well marked disturbance appearing over the north of France later and advancing northwards towards 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 Thursday, 28th April, 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 ...	30·35	37	SW	0	0	30·41	+·10	36	36	− 1	SW	0	r	*	0	*	50	32	–
	Hernösand ...	30·33	35	SW	0	b	30·35	+·05	41	37	+ 3	SW	0	b	*	b	*	52	27	–
	Stockholm ...	30·17	42	NNE	2	c	30·18	−·01	45	38	+ 5	E	4	b	*	c	*	52	30	–
	Wisby	30·06	39	NNE	4	b	30·04	−·05	40	38	− 4	ENE	4	o	*	b	*	46	32	–
	Karlstad ...	30·18	43	NNE	2	b	30·22	+·03	42	37	− 3	NNE	2	b	*	b	*	*	*	–
	Bodö	30·30	44	SW	0	b	30·35	+·06	45	39	+ 2	E	4	b	1	b	*	48	36	–
	Christiansund ...	30·16	52	ESE	1	o	30·22	+·02	47	41	− 1	ESE	3	b	2	b	*	55	43	–
	Skudesnaes ...	30·10	49	SE	4	b	30·13	+·01	48	48	− 1	ESE	2	b	1	b	*	56	44	*
	Færder (Christiania Fjord)	30·15	47	E	2	c	30·21	+·04	42	39	0	NNE	4	b	2	c	*	48	39	–
	Skagen (The Scaw)	30·10	42	ENE	3	b	30·14	+·01	42	39	− 3	E	4	b	1	b	*	55	41	–
	Fanö	29·95	43	E	5	b	29·97	·00	44	41	0	ENE	6	b	*	b	*	59	39	–
	Sumburgh Head	29·95	46	E	4	o	29·90	−·13	46	44	0	SE	4	o	6	b.o	*	51	40	0·02
	Stornoway ...	29·71	49	ESE	4	o	29·63	−·18	47	45	0	SSE	3	o	3	c.o	5·6	52	42	–
	Wick	29·84	46	S	5	o	29·73	−·19	45	44	− 1	SSE	6	ru	7	o.r	*	53	44	o·05
	Nairn	29·77	47	E	3	r	29·67	−·20	48	46	0	E	1	o	1	r	*	56	43	0·03
	Aberdeen ...	29·81	43	ESE	7	ogqr	29·75	−·14	44	43	− 1	SE	7	ogqr	7	cq.rq	2·0	57	43	0·34
British Islands.	Leith	29·70	47	E	3	r	29·66	−·12	47	47	+ 1	SW	0	o	*	r	*	51	43	0·09
	Shields	29·66	44	NE	3	r	29·68	−·08	45	45	0	E	1	f	3	r	*	45	40	0·30
	Spurn Head ...	29·58	47	E	5	o	29·63	+·03	48	47	+ 2	E	2	op	4	o	*	48	44	–
	York	29·61	48	E	1	og	29·66	·00	47	47	+ 1	NNE	1	f	*	o.q	0·0	49	44	0·02
	Loughborough ...	29·57	55	NE	1	o	29·65	+·06	47	47	− 1	ENE	1	qfr	*	o.cfq	*	57	41	0·02
	Ardrossan ...	29·65	47	ENE	4	om	29·66	−·06	50	48	+ 2	ENE	1	of	0	cm	*	53	44	–
	Malin Head ...	29·61	48	SE	4	cpm	29·58	−·12	49	48	+ 3	S	3	bm	1	c.cpm	*	51	43	0·04
	Belmullet ...	29·64	52	N	2	o	29·66	−·03	49	44	− 1	NNW	1	b	*	o	*	54	44	0·02
	Donaghadee ...	29·64	48	ENE	5	b	29·64	−·06	51	49	+ 3	SSW	3	bc	2	b	*	53	43	–
	Liverpool (Bidston)	29·58	52	ENE	1	o	29·64	+·01	48	47	0	SW	0	o	?	r.oq	*	54	43	–
	Holyhead ...	29·59	49	NE	2	b	29·64	·00	52	51	+ 5	W	1	bcm	1	cm.b	*	53	44	0·01
	Parsonstown ...	29·58	50	W	1	bc	29·66	+·02	49	45	+ 2	W	1	bc	*	bc	6·6	58	41	–
	Valencia ...	29·65	51	NNW	3	b	29·68	+·04	48	44	− 1	NNW	2	c	3	bm.b	11·3	56	42	–
	Roche's Point ..	29·61	54	NNW	2	c	29·68	+·04	49	46	+ 2	NNW	4	bc	3	c	*	55	45	–
	Pembroke (St. Ann's Hd.)	29·58	51	NE	2	c	29·64	+·06	49	48	− 1	NE	3	bm	3	c	3·6	55	43	–
	Scilly	29·58	53	NNW	2	bc	29·63	+·05	53	50	0	NNW	4	c	3	bc	7·5	55	49	–
	Prawle Point ...	29·57	53	SSW	2	c	29·62	+·07	49	49	− 5	NNW	2	o	1	c.f	*	59	46	–
	Jersey (St. Aubin's)	29·56	53	NNW	2	ogm	29·60	+·03	52	51	+ 1	NNE	2	om	2	c.ogm	*	57	48	–
	Hurst Castle ...	29·57	51	WSW	1	cm	29·56	·00	49	48	+ 1	NNE	1	rm	1	om.cm	*	55	46	0·21
	Dungeness ...	29·56	55	ENE	1	bc	29·56	·00	51	51	− 1	NW	2	o	1	c.bc	*	58	48	0·29
	North Foreland	29·62	51	SE	2	b	29·58	−·01	50	49	− 1	NW	1	op	1	b.r	*	60	48	0·12
	London (Brixton) ...	29·57	56	S	1	bc	29·59	+·01	50	49	− 1	W	1	og	*	o.b.or	0·1	59	44	0·21
	Oxford	29·59	53	SSE	1	bc	29·62	+·05	46	46	− 4	SSE	1	r	*	c	*	57	42	0·10
	Cambridge ...	29·58	55	SW	0	bm	29·63	+·06	47	47	− 4	SW	2	r	*	bm	0·2	59	40	0·26
	Yarmouth ...	29·62	50	ESE	4	bc	29·62	+·02	48	47	− 1	ESE	4	cr	4	bc	*	51	45	–
Germany & Holland.	Cuxhaven ...	29·81	50	E	5	o	29·87	+·01	43	43	− 2	E	5	b	*	o	*	52	41	–
	Berlin	29·82	53	NE	3	o	29·87	+·02	45	43	− 3	NE	4	o	*	o	*	57	41	–
	Wiesbaden ...	*	*	*	*	*	29·70	−·11	56	51	+ 7	SE	2	o	*	*	*	63	?	0.08
	Munich	29·69	52	SW	0	b	29·74	+·01	50	49	+ 2	W	2	f	*	b	*	59	43	0·04
	The Helder ...	29·66	55	E	1	o	29·69	−·02	47	46	+ 1	E	2	cf	3	o	*	57	46	0·04
Belgium. France &	Brussels ...	*	*	*	*	*	29·62	−·03	50	47	− 1	S	2	o	*	b	*	68	51	0·04
	Cape Gris Nez...	?	53	E	1	bc	?	?	52	51	0	S	1	f	0	bc	*	57	48	0·12
	Paris	29·54	64	NE	1	o	29·65	·00	53	52	+ 1	SSW	2	bc	*	o	*	71	52	0·55
	Brest	29·56	50	SSW	1	r	29·62	+·06	51	50	+ 4	NNW	2	r	2	r	*	57	45	0·08
	Lorient... ...	29·54	52	NW	4	o	29·63	+·07	51	50	+ 5	W	1	o	2	o	*	57	39	0·08
	Rochefort ...	29·56	58	WSW	4	bc	29·64	+·10	53	50	+ 1	NW	2	o	*	c.bc	*	63	46	0·24
	Belfort	29·59	56	N	2	m	29·67	·00	54	52	+ 1	SW	0	o	*	m	*	66	50	0·67
	Lyons	29·61	58	S	2	o	29·71	+·03	51	50	− 1	E	1	r	*	o	*	64	?	0·08
	Nice	29·67	60	SE	2	c	29·75	+·09	55	53	− 3	E	2	o	2	c	*	68	54	–
	Perpignan ...	29·53	64	S	2	o	29·75	+·12	55	51	− 4	W	2	o	*	o	*	73	53	–
	Biarritz ...	29·60	56	W	6	r	29·72	+·17	54	49	− 1	SSW	4	bc	4	r.l	*	64	52	–
Peninsula.	Corunna ...																*			
	Lisbon	29·93	52	NW	3	r	29·90	−·09	53	52	− 1	ESE	4	r	*	r	*	59	52	0·20
	Azores (P. Delgada)	30·17	63	NW	4	o	30·15	−·04	63	59	+ 3	W	3	c	2	o	*	66	60	–

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

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

Bright Sunshine yesterday Southport.. 0·0. hrs;

WEATHER CHARTS

FOR Thursday, 28th April, 1898

BAROMETER, WIND AND SEA.

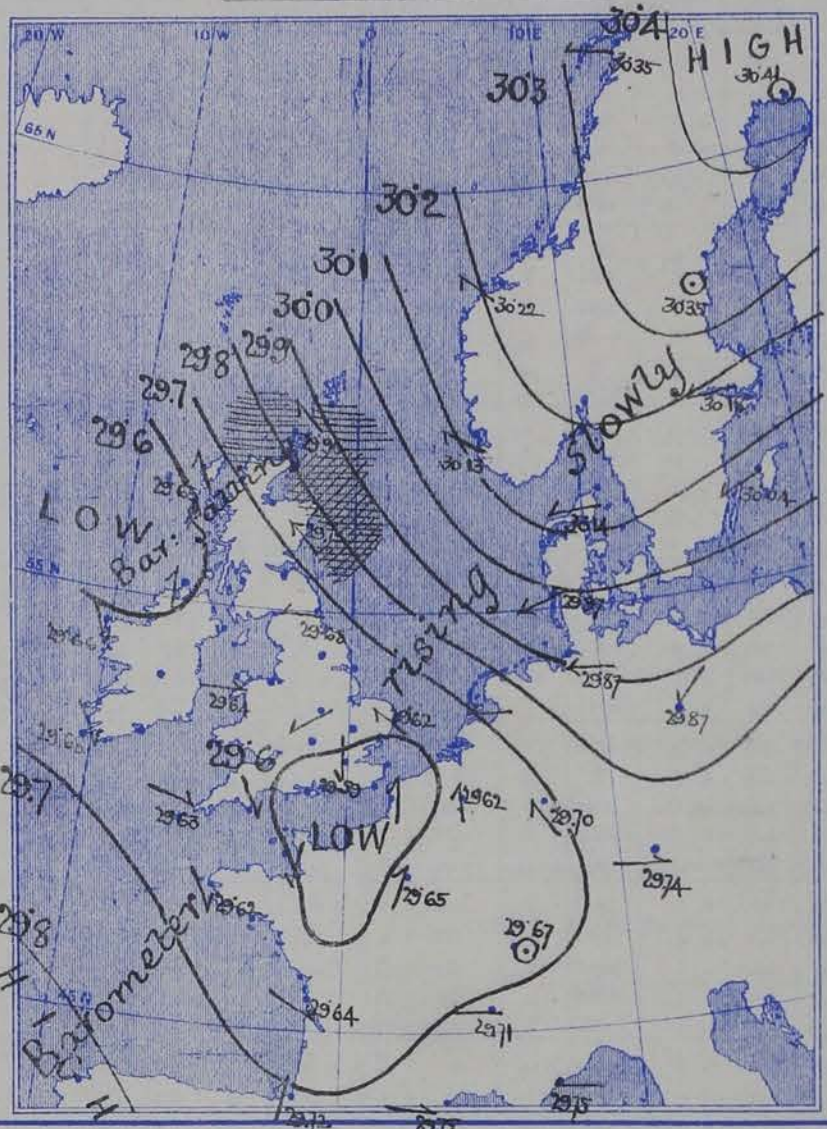
BAROMETER—Isobars are drawn for each tenth of an inch.

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

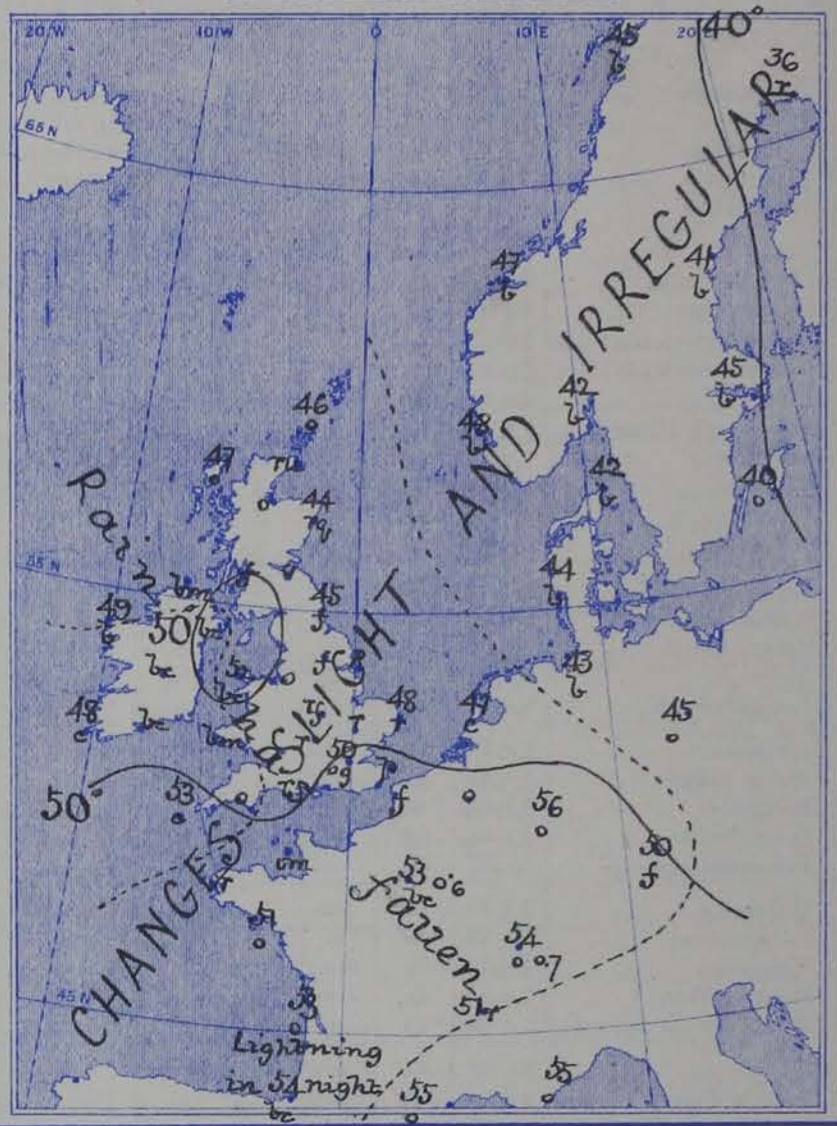


TEMPERATURE & WEATHER.

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 APRIL.

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more to 30·1 ins: over Scandinavia and the Skager Rack, and exceeding 29·8 ins: over North Germany.
Lowest, Below 29·6 ins: in a depression over the north of France and the southern parts of England, and in another off the west coast of Scotland.
Gradients very slight and irregular over our Islands and France, but rather steep for SE$\frac{3}{4}$ winds over the northern half of the North Sea.
Barometer changing very little and rather fitfully.

TEMPERATURE

Highest, 55° to 53° over the southern half of France, 53° at Scilly, 52° at Holyhead, 51° at Dungeness, 50° in London.
Lowest, 36° at Haparanda. 40° at Wisby, 42° at Karlstad, 43° at Cerkaorn, 44° at Aberdeen, 45° at Shields.
During the past day maxima have been recorded as high as 55° to 60° in many parts of England, 63° at Wiesbaden, 71° at Paris, 73° at Perpignan.

WIND

(1) E$\frac{3}{4}$, moderate to fresh over Scandinavia, SE$\frac{3}{4}$ very strong over the northeast of Scotland.
(2) N$\frac{3}{4}$ to NW$\frac{3}{4}$, very light at our southwestern stations. Very variable over France and Germany.
It has been strong at Aberdeen all night.

WEATHER

Very fine over Scandinavia and at our western stations, very changeable over Great Britain and France with rain at times.
The rain measured this morning was 0·55 in: at Paris and exceeded a quarter of an inch at several of our more stations.
Bright Sunshine recorded yesterday was very considerable in Ireland, and ranged from 5 to 3 hours on our south coast.
Over our eastern and midland counties there was hardly any.

SEA

High at Wick and Aberdeen, moderate along our east coast. smooth in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 29th APRIL 1898

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	SE$\frac{3}{4}$ gales; rainy, squally, unsettled.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	Very Variable light breezes; gloomy, mild, occasional rain, perhaps thunder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SE$\frac{3}{4}$ airs; slight occasional rain, mild.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW$\frac{3}{4}$ breezes, light; fair.
9	IRELAND NORTH	Variable airs; fair as a whole, mild.
10	IRELAND SOUTH	
	WARNINGS	At 10·15 am today to district 0 and part of 1 "Hoist South Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·09	56	52	SE	4	b	1
Sumburgh Head	29·98	50	46	E	4	b	5
Stornoway	29·74	50	45	SE	5	o	5
Aberdeen	29·85	47	45	SE	6	cq	6
Shields	29·70	44	43	NE	3	r	4
Ardrossan	29·67	53	52	ENE	5	cm	3
Malin Head ...	29·64	51	50	SE	4	c	3
Belmullet	29·70	55	50	ESE	1	o	*
Holyhead	29·60	52	49	NE	3	cm	2
Valencia	29·62	56	48	NNW	3	bm	4
Scilly	29·54	53	51	NNW	3	bc	1
Jersey	29·56	56	53	SSE	2	bc	2
Hurst Castle ...	29·57	54	51	S	2	om	1
Dungeness ...	29·58	55	52	S	2	c	2
North Foreland	29·60	56	51	SSE	2	b	2
London (Westminster)	29·56	56	53	SE	1	o	*
Yarmouth ...	29·61	57	49	ESE	4	bc	5
Rochefort ...	29·54	58	54	NSW	4	c	*

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

Weather in morning fine and bright over the whole of Scandinavia and the greater part of Northern Europe – fair over the greater part of Scotland and Ireland. Very changeable over England and the greater part of central and western Europe, with rain in several places. Rain falling later over the greater part of central and western Europe, and amounting to 0·7 in: at Helfut, 0·55 in: at Paris, 0·3 in: on the east coast of Great Britain, 0·2 in: in London and also at Luton.

Temperature risen somewhat both over England and Central Europe. Morning readings highest 64° to 59° on the southern shores of the Mediterranean, 63° at Lyons, 60° at Brussels, and above 47° over the greater part of central and western Europe, as well as over England and Ireland. Lowest 17° at Archangel, 32° at Hangö, 38° at Haparanda and Helsingfors, 43° at Copenhagen. Rising later to between 50° and 56° in the east of Scotland, 55° to 58° over Ireland, and touching 60° at the North Foreland, 63° at Wiesbaden, 71° at Paris, 73° at Perpignan.

Wind (1) NE³ to E³ over all the northern half of Europe and the British Isles, and light to moderate in force; (2) Light to moderate in force and very variable over England, France, the southern and central parts of Europe generally; W³ to NW³, and strong, over the southern part of the Mediterranean. Very little change later.

Barometer highest (1) 30·3 ins: to 30·0 ins: over northern Europe and the Shetland Islands; (2) About 30·0 ins: over the extreme southwest of the Iberian Peninsula. Lowest, below 29·6 ins: in a complex depression over the Bay of Biscay, the northwestern half of France and the southern half of England, and below 29·7 ins: in a secondary over the northern parts of Austria; also below 29·9 ins: in a shallow disturbance over the south of Russia, and apparently still lower over Asia Minor. No decided change later either over our Islands or 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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DAILY WEATHER REPORT

for 8 a.m. on Friday, 29th April, 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 ...	30·46	37	NW	0	b	30·50	+·09	33	31	- 3	NW	0	b	*	b	*	43	28	-
	Hernösand ...	30·39	37	NW	0	b	30·47	+·12	36	32	- 5	NW	0	b	*	b	*	52	28	-
	Stockholm ...	30·23	39	ENE	2	b	30·27	+·09	41	35	- 4	ENE	6	c	*	b	*	46	34	-
	Wisby	30·13	39	NNE	4	b	30·13	+·09	41	40	+ 1	ESE	6	r	*	b	*	46	34	-
	Karlstad ...	30·24	42	NE	4	b	30·25	+·03	41	36	- 1	NNE	4	bc	*	b	*	*	*	-
	Bodö	30·41	46	NE	1	b	30·43	+·08	48	41	+ 3	E	4	b	1	b	*	48	37	-
	Christiansund ...	30·23	50	ESE	2	b	30·28	+·06	45	40	- 2	ESE	4	b	2	b	*	55	43	-
	Skudesnaes ...	30·14	48	ESE	2	b	30·12	-·01	47	44	- 1	E	6	b	2	b	*	54	43	*
	Færder (Christiania Fjord)	30·21	47	ENE	2	o	30·22	+·01	41	37	- 1	ENE	5	bc	2	o	*	46	39	-
	Skagen (The Scaw)	30·13	45	ENE	4	o	30·13	-·01	42	38	o	ENE	4	b	2	o	*	52	39	-
	Fanö	29·97	45	E	5	b	29·93	-·04	43	41	- 1	ENE	6	o	*	b	*	57	41	-
British Islands.	Sumburgh Head	29·97	46	ESE	5	bc	29·96	+·06	47	43	+ 1	ESE	5	bc	7	c.bc	*	49	42	-
	Stornoway ...	29·66	51	ESE	2	c	29·61	-·02	45	44	- 2	SE	5	r	5	o.c	0·0	51	42	0·20
	Wick	29·81	45	SSE	1	c	29·77	+·04	45	45	o	S	8	ou	9	o	*	47	42	0·08
	Nairn	29·73	46	E	2	o	29·66	-·01	46	43	- 2	ESE	2	o	2	o	*	52	43	0·03
	Aberdeen ...	29·82	43	SE	6	ogq	29·72	-·03	43	42	- 1	SE	8	ogq	8	rq.gq	0·0	44	42	0·76
	Leith	29·68	48	ENE	1	r	29·54	-·12	47	46	o	E	2	o	*	r	*	50	42	0·59
	Shields	29·69	44	ESE	3	r	29·58	-·10	45	45	o	ESE	3	om	4	r	*	45	42	0·78
	Spurn Head ...	29·57	46	E	5	rf	29·57	-·06	47	47	- 1	ESE	4	om	5	o.rf.p	*	49	45	0·19
	York	29·63	46	ENE	1	r	29·56	-·10	49	48	+ 2	ESE	1	o	*	r	0·0	50	44	0·51
	Loughborough ...	29·58	50	NNW	1	o	29·55	-·10	50	49	+ 3	SE	1	cpm	*	rgm.f.o	*	52	42	0·44
	Ardrossan ...	29·58	50	NE	2	pf	?29·53	-·13	47	47	- 3	NE	2	of	1	o.fp	*	52	43	0·15
	Malin Head ...	29·58	50	SE	3	c	29·46	-·12	47	47	- 2	SE	4	om	2	b.cpm	*	54	46	-
	Belmullet ...	?29·59	50	NE	2	bc	?29·37	-·29	47	44	- 2	ESE	4	o	*	bc	*	54	42	0·01
	Donaghadee ...	29·62	51	SSW	4	bc	29·50	-·14	47	47	- 4	E	3	o	1	bc	*	53	46	-
	Liverpool (Bidston)	29·59	49	W	0	r	29·49	-·15	50	49	+ 2	E	2	o	2	rf	*	50	45	0·14
	Holyhead ...	29·61	49	NNE	2	c	29·49	-·15	47	46	- 5	SW	1	qmr	0	cm.c	*	56	45	0·20
	Parsonstown ...	29·58	57	W	0	c	29·39	-·27	48	46	- 1	SE	1	or	*	b.c	4·7	57	41	-
	Valencia ...	29·57	50	S	1	c	29·25	-·43	49	45	+ 1	S	4	op	4	bc.c	6.9	55	44	0·34
	Roche's Point ..	29·61	53	SW	4	bc	29·38	-·30	46	46	- 3	SSW	3	p	3	bc	*	55	45	0·40
	Pembroke (St. Ann's Hd.)	29·60	53	WNW	2	b	29·46	-·18	49	48	o	SSE	4	qmr	4	b	10·0	54	44	0·01
	Scilly	29·61	53	WNW	2	c	29·44	-·19	50	47	- 3	W	4	cp	3	c	6.2	56	47	0·10
	Prawle Point ...	29·61	52	SSW	2	c	29·52	-·10	47	47	- 2	S	3	cp	3	c.pf	*	55	44	0·02
	Jersey (St. Aubin's)	29·63	53	W	2	cm	29·60	·00	52	50	o	SSE	3	opm	3	o.c.q	*	54	47	0·05
	Hurst Castle ...	29·61	52	SW	2	om	29·57	+·01	50	49	+ 1	SSW	3	om	2	cm.om	*	55	48	0·15
	Dungeness ...	29·61	50	SSW	3	bcf	29·60	+·04	49	48	- 2	S	3	c	2	c.bcf	*	54	47	-
	North Foreland	29·62	51	S	2	bc	29·60	+·02	54	51	+ 4	S	3	bc	2	c.bc	*	57	46	-
	London (Brixton) ...	29·59	55	SSW	1	cq	29·60	+·01	52	49	+ 2	SSW	2	o	*	o.r.bc	0·0	56	48	0·05
	Oxford	29·61	51	WNW	1	r	29·57	-·05	50	48	+ 4	SSE	1	otp	*	op	*	56	46	0·04
	Cambridge ...	29·59	53	SW	1	om	29·59	-·04	50	49	+ 3	S	1	ow	*	a.om	0·0	54	44	0·14
	Yarmouth ...	29·61	48	SE	3	cf	29·60	-·02	49	48	+ 1	SE	3	c	4	cam.cf	*	49	45	0·11
Germany & Holland.	Cuxhaven ...	29·85	51	E	6	c	29·82	-·05	43	42	o	E	7	c	*	c	*	52	41	-
	Berlin	29·88	49	NE	4	b	29·89	+·02	42	40	- 3	ESE	4	o	*	b	*	50	37	-
	Wiesbaden ...	*	*	*	*	*	29·73	+·03	54	54	- 2	SE	1	r	*	*	*	64	52	0·41
	Munich... ..	29·73	54	W	0	c	29·79	+·05	51	50	+ 1	W	4	o	*	c	*	63	50	-
	The Helder ...	29·66	55	ESE	2	r	29·65	-·04	48	46	+ 1	ESE	2	r	2	r	*	59	46	0·67
Belgium.	Brussels ...	*	*	*	*	*	29·69	+·07	53	49	- 6	SSW	4	o	*	o	*	65	45	-
	Cape Gris Nez...	?	53	S	1	m	?	?	51	50	- 1	SSW	2	c	2	m	*	55	46	-
	Paris	29·68	62	SSW	3	b	29·72	+·07	49	47	- 4	SSW	3	m	*	b	*	66	47	-
	Brest	29·66	54	WNW	2	c	29·53	-·09	50	50	- 1	S	3	r	3	c	*	55	46	0·04
	Lorient... ...	29·67	54	WNW	4	m	29·60	-·03	51	50	o	SSW	5	r	3	m	*	63	43	0·08
France &	Rochefort ...	29·76	58	W	4	bc	29·70	+·06	53	52	o	W	4	o	*	bc	*	64	48	0·12
	Belfort	29·75	50	W	2	r	29·77	+·10	48	48	- 6	W	1	r	*	r	*	60	47	0·67
	Lyons	29·80	51	S	1	o	29·81	+·10	50	48	- 1	ENE	1	o	*	o	*	59	47	0·24
	Nice	29·81	54	W	0	o	29·75	·00	51	51	- 4	W	0	c	2	o	*	63	50	0·28
	Perpignan ...	29·83	54	W	2	o	29·84	-·09	54	50	- 1	W	0	b	*	o	*	68	44	0·32
	Biarritz ...	29·83	58	W	3	b	29·82	+·10	53	50	- 1	S	2	o	2	b	*	59	52	-
Peninsula.	Corunna ...																*			
	Lisbon	29·99	57	NW	4	o	30·07	+·17	57	55	+ 4	WNW	3	o	*	o	*	64	53	-
	Azores (P. Delgada)	30·17	61	NW	2	c	30·06	-·09	63	59	o	W	4	bc	3	c	*	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.....hrs;

WEATHER CHARTS

FOR ..... Friday, 29th April, ... 1898

BAROMETER, WIND AND SEA.

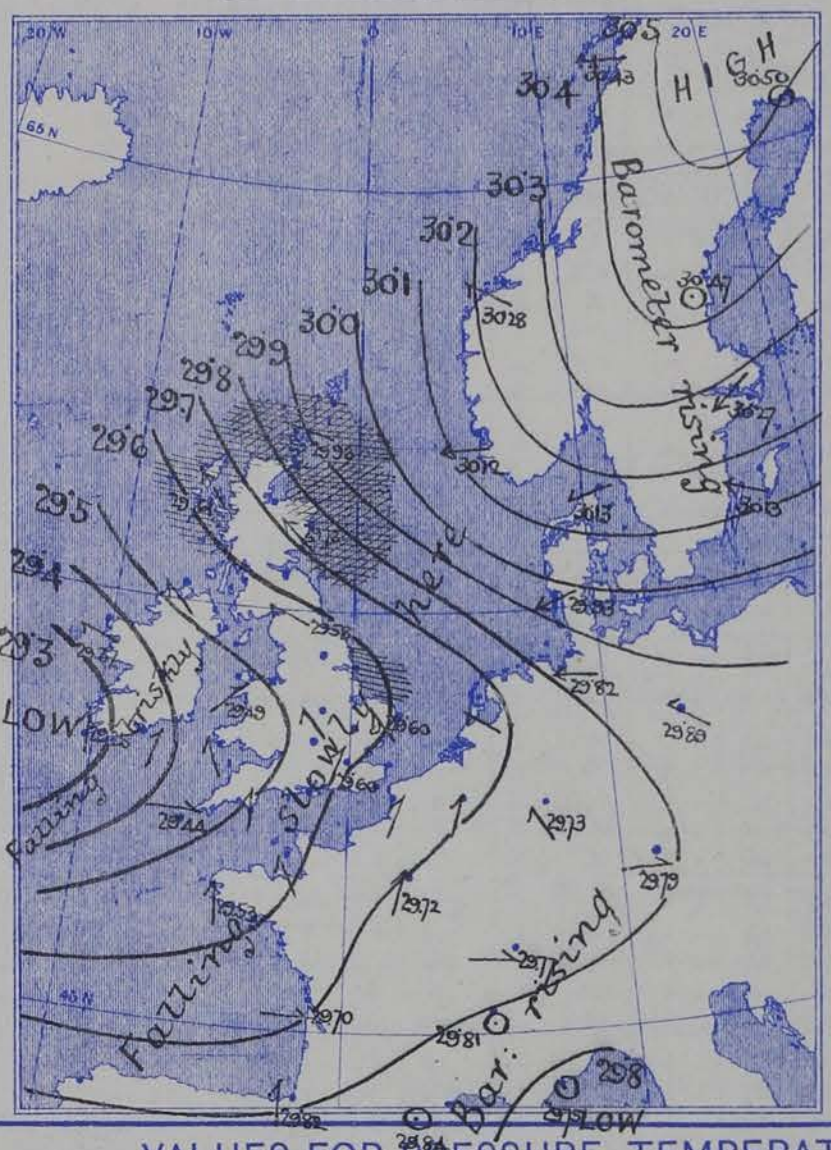
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

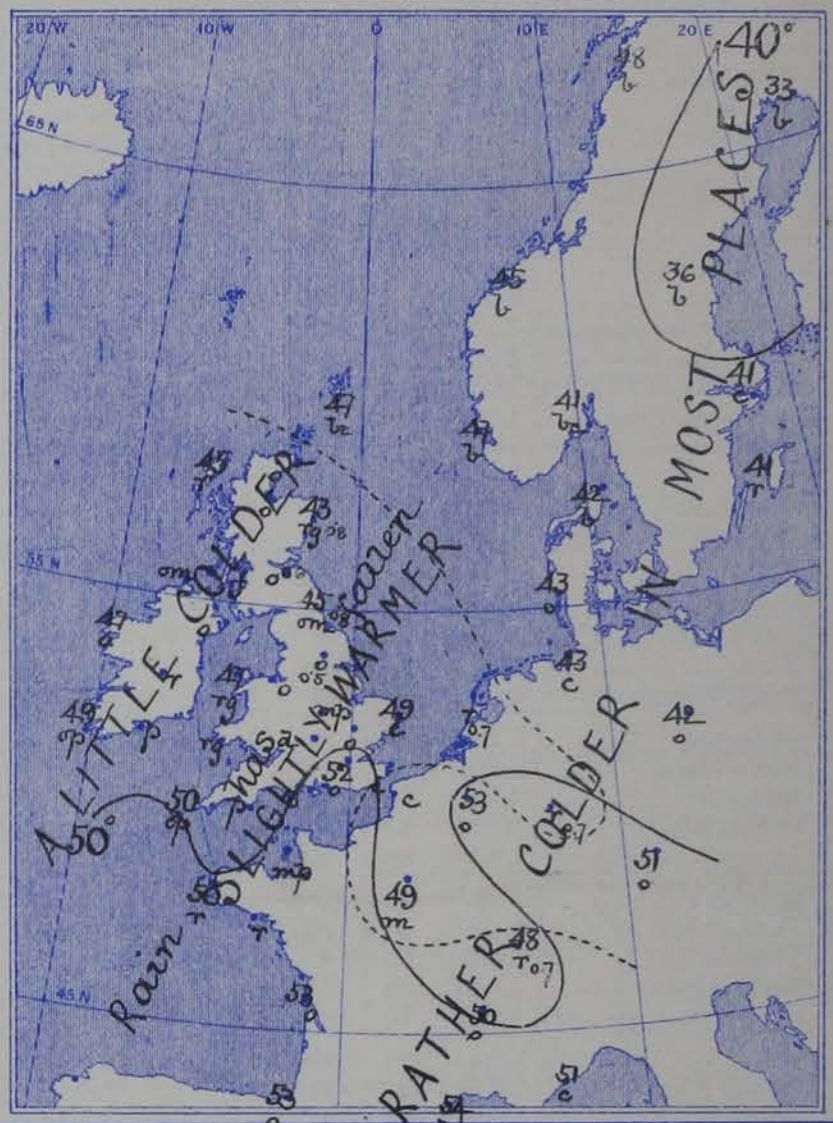


TEMPERATURE & WEATHER.

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 APRIL.

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

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and upwards in Lapland; 30·0 ins: and upwards over the southern part of the Spanish Peninsula.
Lowest, 29·3 ins: and less, in a depression off the southwest of Ireland.
Gradients rather steep over the North Sea and the north of Scotland, but moderate or slight elsewhere.
Barometer falling in our Islands and the neighbouring parts of the Continent,—briskly in the west of Ireland, rising elsewhere.

TEMPERATURE

Highest, 57° at Lisbon, 54° at Wiesbaden and Perpignan, 53° at Brussels, Rochefort, and Biarritz, and 52° at Jersey.
Lowest, 33° at Haparanda, 36° at Hernösand, and 41° at Stockholm, Wisby, Karlstad, and Fahlun, lowest in our Islands 43° at Aberdeen.
During yesterday the thermometer rose to 55° or slightly above it at most of our western and southern stations. On many parts of our north and east coasts, however, it did not reach 50°, and at Aberdeen it did not exceed 44°.

WIND

Light to moderate from the S^wd^ over the south of our Islands and the north and west of France.
E or SE^ly^ over the northern parts of our Islands and the Continent; strong in force on the eastern shores of the North Sea, and blowing a gale on the northeast coasts of Scotland. Calm over the Gulf of Bothnia.

WEATHER

Cloudy and unsettled over our Islands, France, the Netherlands, and Germany, with rain in many places,—especially in the west.
Fine in Scandinavia and also in the south of France.
Rain fell yesterday in most parts of Western Europe, the largest amounts being 0·8 in: at Aberdeen and Shields, and 0·7 in: at the Helder, Belfort and Wiesbaden.

SEA

Very high off the northeast of Scotland and rather rough at Stornoway and Spurn Head, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which has appeared off the southwest of Ireland seems likely to spread eastwards, and to occasion unsettled rainy weather in most districts, with a continuation of south-easterly gales in the north and east of Scotland.

FORECASTS

For the 24 hours ending at NOON on 30^th^ APRIL 1898

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	SE^ly^ and S^ly^ gales and strong winds, squally, rainy.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	SE^ly^ winds, moderate or fresh; dull, misty, rainy.
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°2.
5	ENGLAND SOUTH	S^ly^ and SW^ly^ winds, moderate; rain at times, unsettled, mild.
6	SCOTLAND WEST	SE^ly^ winds; changeable, showery, unsettled.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SW^ly^ and W^ly^ winds; changeable, occasional rain.
9	IRELAND NORTH	Same as N^os^ 6 & 7.
10	IRELAND SOUTH	S^ly^ and SW^ly^ winds, showery.
	WARNINGS	The South Cone is still flying in district 0 and part of 1.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.14	53	50	SE	4	b	1
Sumburgh Head	29.96	47	44	SE	5	c	7
Stornoway	29.65	49	47	E	0	c	0
Aberdeen	29.80	43	42	SE	8	ogqr	8
Shields	29.70	45	45	SE	2	r	3
Ardrossan	29.64	52	51	W	1	0	1
Malin Head ...	29.61	54	53	E	3	b	1
Belmullet	29.67	53	47	W	1	bc	*
Holyhead	29.65	53	50	NW	2	cm	1
Valencia	29.66	55	49	W	2	bc	3
Scilly	29.64	55	52	NW	3	e	3
Jersey	29.63	53	52	WNW	2	0	2
Hurst Castle ...	29.62	54	52	NSW	1	cm	1
Dungeness ...	29.61	51	50	S SW	3	e	2
North Foreland	29.60	56	53	S	2	c	2
London (Westminster)	29.60	54	52	S	1	oq	*
Yarmouth ...	29.61	48	47	E	4	cam	4
Rochefort ...	29.69	60	54	SW	3	bc	*

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

Weather in morning fine and bright over Scandinavia and the gulfs of Finland and Bothnia, as well as over southeastern Europe, Sicily, Tunis, and the adjacent parts of the Mediterranean, cloudy and changeable over Central Europe, France, and the eastern half of Europe, fair over Wales and Ireland. Considerable rain falling later over the British Islands and France, but very fine weather prevalent over Scandinavia.

Temperature not changing much. Morning readings highest 67° at Lalalle and Ifaz, and above 60° at many stations on the southern and eastern shores of the Mediterranean, as well as at Madrid; 53° at Paris and Scilly, 50° in London and at the north Ireland; 57° at Budaberk, 53° at Cracow. Lowest (1) 18° at Archangel, 30° at St Petersburg, but much above the freezing point at all the other Russian stations; (2) 42° at Neufahrwasser, the Skaw, 44° at Aberdeen. Rising later to between 50° and 52° in several parts of Scotland, 54° and 57° over Ireland and England, 64° at Wiesbaden, 66° at Paris, and 68° at Perpignan.

Wind (1) E^{S} (NE to SE) over all the northern parts of Europe, and blowing very strongly from SE. on the northeast coasts of Scotland; (2) very light and variable elsewhere, but mainly NW^{3} on our southwest coasts and over the Bay of Biscay. Shifting to the S^{W} in the west of Ireland later.

Barometer highest (1) 30·5 in: at Archangel and 30·0 in: over the whole of Scandinavia and northern Europe; (2) 30·15 in: at P. Delgada (Azores) and exceeding 29·9 in: over Morocco and the southern parts of Spain. Below 29·8 in: all over Austria, France, and the British Isles, and below 29·6 in: in two minima — one over the north of France and south of England, the other off our extreme northwest coasts. Falling decidedly in the west of Ireland 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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DAILY WEATHER REPORT

for 8 a.m. on Saturday 30th April, 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.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	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 ...	30·45	36	Z	0	c	30·42	−·08	41	40	+ 8	N	2	b	#	c	#	45	32	—
	Hernösand ...	30·49	30	Z	0	b	30·48	+·01	34	29	− 2	N	2	b	#	b	#	46	28	—
	Stockholm ...	30·38	37	NE	4	b	30·40	+·13	42	35	+ 1	ENE	4	b	#	b	#	43	32	—
	Wisby	30·28	36	ESE	4	b	30·30	+·17	45	40	+ 4	SE	4	b	#	b	#	48	36	—
	Karlstad ...	30·31	41	ENE	4	o	30·37	+·12	41	34	0	NE	4	b	#	o	#	#	#	—
	Bodo	30·45	47	Z	0	b	30·42	−·01	46	40	− 2	ESE	4	b	1	b	#	52	37	—
	Christiansund ...	30·26	48	SE	3	b	30·23	−·05	46	39	+ 1	SE	3	b	2	b	#	53	42	—
	Skudesnaes ...	30·06	47	E	6	b	30·07	−·05	46	41	− 1	ESE	8	o	3	b	#	50	43	#
	Færder (Christiania Fjord)	30·22	42	E	6	o	30·31	+·09	40	35	− 1	ENE	4	c	3	o	#	46	39	—
	Skagen (The Scaw)	30·13	42	ESE	5	o	30·20	+·07	42	39	0	ESE	6	c	2	o	#	50	39	—
	Fanö	29·89	45	E	6	r	29·91	−·02	45	44	+ 2	E	6	o	#	r	#	50	43	—
British Islands	Sumburgh Head	29·94	46	ESE	5	b	29·80	−·16	42	42	− 5	ESE	7	r	8	b	#	49	40	·08
	Stornoway ...	29·60	44	ESE	6	r	29·50	−·11	47	46	+ 2	SE	4	o	4	r	0·0	47	41	0·55
	Wick	29·84	44	SE	8	o	29·62	−·15	45	44	0	ESE	7	r	9	o	#	46	43	0·06
	Nairn	29·67	44	ESE	4	o	29·53	−·13	48	46	+ 2	ESE	2	o	2	o	#	48	45	0·01
	Aberdeen ...	29·72	41	SE	9	orgq	29·60	−·12	44	44	+ 1	SE	6	orgq	8	orgq	0·0	43	40	1·04
	Leith	29·54	46	ESE	2	o	29·51	−·03	46	44	− 1	Z	0	o	#	o	#	48	43	0·02
	Shields	29·56	44	ESE	4	o	29·56	−·02	48	45	+ 3	S	3	bc	3	p,o	#	48	42	0·24
	Spurn Head ...	29·54	50	SSE	3	c	29·61	+·04	47	45	0	SE	4	c	4	c,t,p	#	53	45	0·06
	York	29·51	53	E	1	o3p	29·58	+·02	47	45	− 2	SSE	1	bc	#	o,c,3p	1·9	59	40	036
	Loughborough ...	29·53	51	SSE	1	c	29·58	+·03	46	45	− 4	SE	3	omw	#	c3p,o,c	#	61	38	0·08
	Ardrossan ...	29·45	50	NE	4	bc	29·46	−·07	49	46	+ 2	ENE	4	cm	3	o,3r,bc	#	53	43	0·14
	Malin Head ...	29·36	48	SE	5	c	29·32	−·14	48	47	+ 1	SE	6	cm	3	o,c	#	50	44	—
	Belmullet ...	29·25	51	ESE	4	bp	29·24	−·13	49	46	+ 2	SSE	4	o	#	o,bp	#	54	45	0·10
	Donaghadee ...	29·53	50	SE	4	cp	29·44	−·06	48	46	+ 1	ESE	5	c	3	cp	#	57	45	0·12
	Liverpool (Bidston)	29·48	48	SW	2	o	29·48	−·01	46	43	− 4	ESE	4	o	3	3p,o	#	58	38	0·24
	Holyhead ...	29·47	48	S	2	o	29·40	−·09	48	45	+ 1	ESE	2	og	1	om,op	#	56	44	002
	Parsonstown ...	29·31	51	SE	2	c	29·28	−·11	46	44	− 2	SE	1	or	#	or,c,p	4·4	57	44	0·11
	Valencia ...	29·13	50	SSW	5	op	29·21	−·04	49	47	0	S	2	op	3	rg,op	2·9	52	44	0·54
	Roche's Point ..	29·32	49	SW	7	p	29·24	−·14	44	44	− 2	NNE	3	p	3	p	#	54	43	0·42
	Pembroke (St. Ann's Rd.)	29·49	48	SW	5	bc	29·20	−·26	48	46	− 1	SE	7	rq	6	bc	3·6	52	42	036
	Scilly	29·55	52	SW	5	c	29·08	−·36	47	46	− 3	W	8	o	6	c	8·0	56	45	057
	Prawle Point ...	29·59	48	WSW	3	c	29·27	−·25	48	48	+ 1	ESE	8	rq	7	cp,rq	#	50	44	0·46
	Jersey (St. Aubin's)	29·68	53	WSW	5	bc	29·49	−·11	53	50	+ 1	SE	7	cm	5	op,bcm	#	54	45	0·05
	Hurst Castle ...	29·56	51	SSW	1	r	29·51	−·06	49	47	− 1	SSE	5	p	3	rm	#	54	48	0·18
	Dungeness ...	29·60	51	S	3	p	29·69	+·09	49	48	0	S	4	c	3	c,p	#	56	47	0·03
	North Foreland	29·62	52	SSE	3	c	29·70	+·10	49	46	− 5	SSE	4	c	3	c	#	55	43	0·05
	London (Brixton) ...	29·56	53	S	2	op	29·63	+·03	50	47	− 2	S	3	o	#	c,p,bc	1·8	60	47	001
	Oxford	29·59	45	W	2	c	29·55	−·02	48	46	− 2	SE	2	p	#	c,t,p	#	59	40	013
	Cambridge ...	29·56	55	S	2	o	29·64	+·05	49	47	− 1	SE	2	o	#	c,3p,o	3·9	58	40	0·07
	Yarmouth ...	29·60	51	SSE	3	bc	29·69	+·09	48	47	− 1	SSE	4	cm	4	bc	#	53	41	009
Germany & Holland	Cuxhaven ...	29·81	45	SE	4	r	29·88	+·06	47	47	+ 4	SE	3	o	#	r	#	48	43	020
	Berlin	29·84	53	ESE	3	o	29·91	+·02	49	48	+ 7	SE	2	r	#	o	#	57	42	0·04
	Wiesbaden ...	#	#	#	#	#	29·95	+·22	51	50	− 3	SW	1	bc	#	#	#	59	51	0·24
	Munich... ..	29·85	48	W	2	r	30·01	+·22	53	49	+ 2	W	4	b	#	r	#	59	45	0·39
	The Helder ...	29·67	50	Z	0	bc	29·76	+·11	51	49	+ 3	SW	2	b	2	bc	#	55	46	004
Belgium.	Brussels ...	#	#	#	#	#	29·84	+·15	50	47	− 3	S	1	o	#	c	#	62	43	0·16
	Cape Gris Nez...	?	56	SW	1	m	?	?	47	44	− 4	S	2	o	2	m	#	59	43	028
	Paris	29·71	58	SW	3	c	29·85	+·13	48	45	− 1	SSE	2	bc	#	c	#	63	43	004
	Brest	29·68	52	SW	3	c	29·29	−·24	54	51	+ 4	S	7	r	6	c	#	54	46	035
	Lorient... ...	29·75	52	WSW	4	c	29·49	−·11	54	54	+ 3	S	6	?	5	c	#	57	39	008
France &	Rochefort ...	29·84	55	W	5	bc	29·76	+·06	52	50	− 1	S	4	c	#	bc	#	57	50	0·04
	Belfort	29·78	53	SSW	4	c	29·94	+·17	49	46	+ 1	SW	2	m	#	c	#	61	47	—
	Lyons	29·86	54	NE	1	o	29·95	+·14	51	49	+ 1	SE	1	b	#	o	#	64	44	004
	Nice	29·75	56	SE	1	b	29·93	+·18	53	51	+ 2	SW	1	bc	2	b	#	64	46	—
	Perpignan ...	29·87	62	Z	0	o	29·96	+·12	55	52	+ 1	W	2	b	#	o	#	67	46	—
	Biarritz ...	29·91	56	WSW	4	o	29·82	·00	63	53	+ 10	SW	4	b	2	o	#	66	50	—
Peninsula.	Corunna ...																#			
	Lisbon	30·08	59	SW	4	o	30·04	−·03	59	56	+ 2	SW	4	o	#	o	#	63	57	—
	Azores (P. Delgada)	29·95	57	NNE	4	r	29·88	−·18	58	54	− 5	NW	2	b	2	r	#	68	54	012

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

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

Bright Sunshine yesterday Southport 3·9 hrs;

WEATHER CHARTS

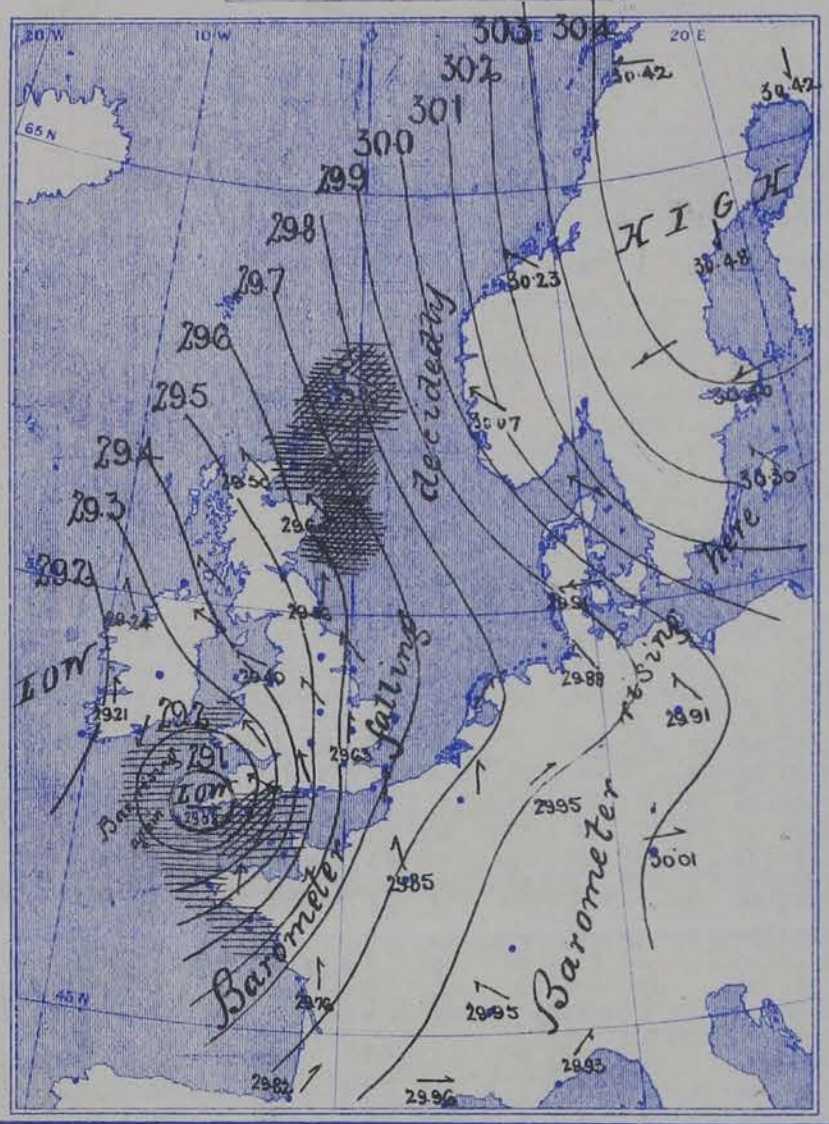
FOR Saturday, 30th April, 1898

BAROMETER, WIND AND SEA.

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

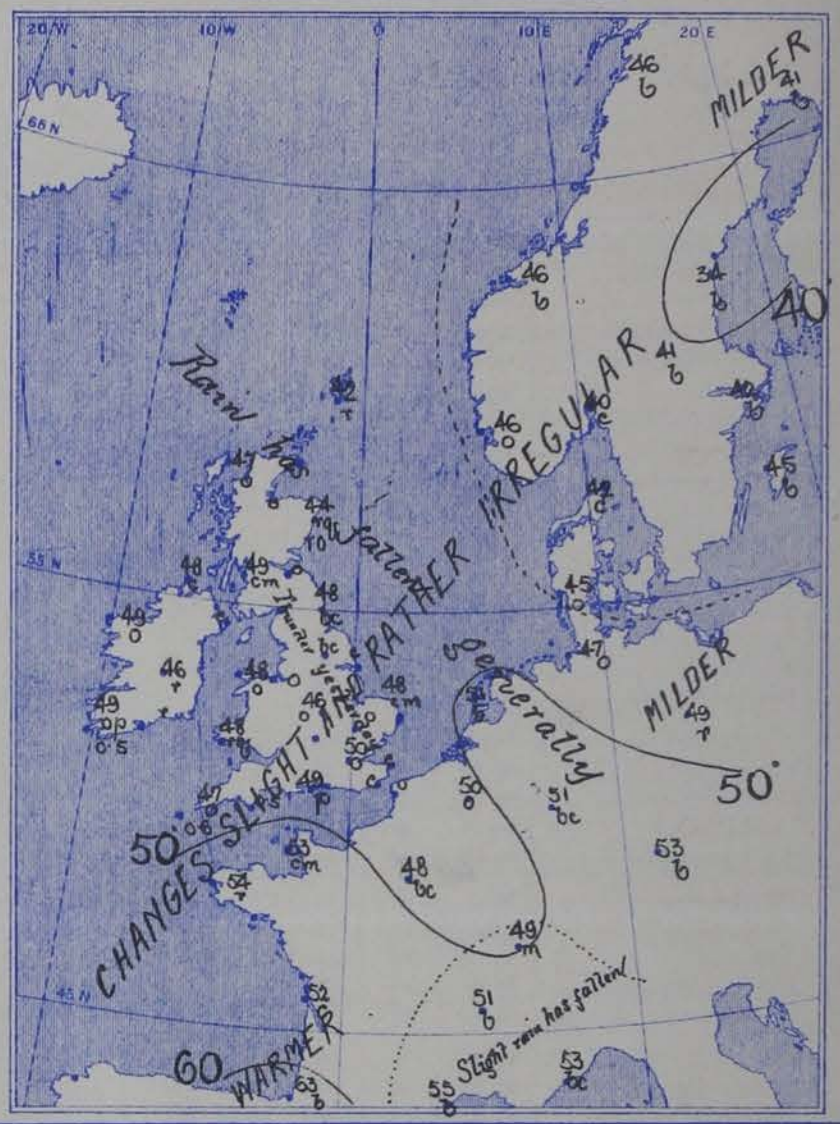
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟫⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

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 APRIL.

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

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and more to 30.0 ins. in an anticyclone covering Norway and Denmark.
Lowest. Below 29.2 ins. off the W. coast of Ireland, and below 29.1 ins. in a small but well-marked secondary disturbance over the Scilly Islands and Cornwall.
Gradients have become steep over the Channel, the S. of England and N. of France, moderate to slight elsewhere and very variable in direction.
Barometer has begun to rise again at Scilly, since 5 am.

TEMPERATURE

Highest 63° at Biarritz, and 52° to 54° on the NW. coast of France and at Jersey; 53° at Munich.
Lowest 34° at Herrösand, 41° at Haparanda and Karlstad.
Maxima of 60° to 61° were recorded yesterday in some parts of England, 63° at Paris and Lisbon, 64° at Nice.

WIND

SE. 24 to E. 24 at the northern stations, and still blowing very strongly on the northeast coast of Scotland; S. 24 and freshening over England generally.
A small but well marked cyclonic circulation prevailed over Devon, Cornwall and the mouth of the Channel causing moderate to fresh gales in those regions.

WEATHER

Very changeable and unsettled – showery in many places. Squally and rainy over our SW.rn districts as well as in the N. Thunder was experienced in many parts of Gt. Britain.
Large quantities of rain have fallen in the E. of Scotland, and considerable quantities over the SW. of England and S. of Ireland. Bright Sunshine recorded yesterday was – 8 hrs. at Scilly, 3.6 hrs. at Hastings, 3.2 hrs. at Eastbourne; only 1.8 hrs. in London, none in Scotland.

SEA

Very rough over the W.rn half of the Channel and continued very high on the N.E. coast of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new small depression near Scilly appears to be moving NE.wds. and is likely to cause very rough weather over England today. Our S. and E. coasts have all been warned.

FORECASTS

For the 24 hours ending at NOON on 1ST MAY. 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE. 24 and E. 24 winds, strong, squally, rain at times.
1	SCOTLAND EAST	
	ENGLAND N.E.	SE. 24 winds, veering to SW, strong; squally, showery, then finer and brighter.
	ENGLAND EAST	
4	MIDLAND COUNTIES	
	ENGLAND SOUTH	
6	SCOTLAND WEST	SE. 24 winds, fresh; fair as a whole.
7	ENGLAND N.W.	Wind becoming S. 24 again; fresh, weather very changeable and showery.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 10.5 am today to districts 2, 3 and 5. Hoist South Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·09	53	49	SE	6	b	2
Sumburgh Head	29·96	48	43	ESE	5	b	7
Stornoway	29·61	45	44	ESE	5	r	5
Aberdeen	29·73	42	41	ESE	9	or gg	9
Shields	29·59	44	44	ESE	3	r	4
Ardrossan	29·46	49	47	ENE	4	o	2
Malin Head ...	29·41	49	49	SE	5	o	2
Belmullet	29·35	50	47	ESE	4	o	*
Holyhead	29·46	55	51	S	2	om	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·16	49	47	S	5	rg	6
Scilly ...	29·52	55	50	SW	4	c	4
Jersey	29·62	51	49	W	5	op	4
Hurst Castle ...	29·56	51	50	SSW	1	rm	2
Dungeness ...	29·61	53	52	SSW	2	c	2
North Foreland	29·61	55	51	S	3	c	2
London (Westminster)	29·57	58	54	S	2	c	*
Yarmouth ...	29·59	53	50	SSE	3	bc	4
Rochefort ...	29·73	55	54	WSW	5	r	*

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

Weather in morning fine and bright over Nrn Europe, and fair but not settled at many of the Mediterranean stations; dull, changeable and unsettled over the United Kingdom, with showers in many places, and heavy rain in the E. of Scotland. Continuing in an unsettled condition over the British Islands all day — especially over Ireland and Scotland; clearing temporarily in the W. and SW. of France. Rainfall exceeding an inch at Aberdeen; thunder occurring in several parts of England.

Temperature unsteady, but not changing much. Morning readings, highest 65° at Patras, 63° at Malta and Lesina, 59° at Bilbao, 54° at Wiesbaden, 53° at Vienna. Lowest 33° at Haparanda, Kuopio and Moscow, 36° at Hangö, 40° at Copenhagen, 43° at Aberdeen. Rising later to a little above 60° in some parts of England to 63° at Paris and Lisbon, 64° at Nice, and 67° at Perpignan.

Wind (1) light E. (NE & SE) over all the northern countries, and blowing a strong gale from SE. over the northeastern parts of Scotland, (2) mainly W. over southwestern Europe, but S.W. & SE. over England and Ireland and of very little strength. Freshening a good deal over Ireland later, and continuing to blow hard in the east of Scotland.

Barometer highest (1) 30·5 ins. to 30·0 ins. over Scandinavia and the Nrn half of Russia (2) 30·0 ins. and more over Morocco and the Srn parts of Spain and Portugal. Lowest below 29·3 ins. over the SW. of Ireland, and below 29·6 ins. in shallow secondary disturbances over England and Brittany. Falling slowly in the W. of Ireland during the day, rising over France and the Channel.

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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1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Corunna	29.69	53	NNW	3	c	29.81	+.13	43	41	-4	NW	1	b	3	c	-	55	36	-
2	Corunna	29.86	54	N	4	b	30.09	+.28	49	47	+6	NNE	1	c	3	b	-	55	41	-
3	Corunna	30.08	54	N	4	c	30.22	+.13	52	49	+3	NNE	2	c	3	c	-	55	43	0.12
4	Corunna	30.23	54	N	3	b	30.26	+.04	50	48	-2	NW	1	c	3	b	-	55	43	-
5	Corunna	30.27	53	NW	3	o	30.21	-.05	50	45	0	NW	1	b	4	o	-	53	45	0.12
6	Corunna	30.22	54	SSW	3	b	30.24	+.03	47	44	-3	NE	2	b	4	b	-	55	37	-
7	Cape Gris Nez	30.15	46	WSW	3	c	30.22	?	48	45	+1	SW	3	o	2	c	-	50	41	-
-	Corunna	30.19	58	N	3	b	30.13	-.11	54	50	+7	E	3	b	4	b	-	61	45	-
8	Corunna	30.11	62	N	3	b	30.15	+.02	60	50	+6	SE	3	b	4	b	-	72	46	-
9	Corunna	30.18	70	SE	1	b	30.32	+.17	59	53	-1	SSW	1	c	2	b	-	75	48	-
10	Corunna	30.32	71	SW	3	c	30.29	-.03	60	57	+1	SSW	3	o	3	c	-	72	52	-
11	Corunna	30.29	63	W	4	c	30.09	-.20	59	57	-1	SSW	5	o	5	c	-	68	52	0.12
12	Corunna	30.05	60	W	5	o	30.20	+.11	52	48	-7	NW	1	b	2	o	-	63	43	-
13	Corunna	30.21	55	NW	3	b	30.16	-.04	49	45	-3	NW	1	b	2	b	-	55	?.	-
14	Corunna	30.08	63	SW	3	o	29.88	-.28	52	50	+3	S	3	f	2	o	-	64	48	0.39
15	Corunna	29.90	57	NNW	6	c	29.93	+.05	50	48	-2	SW	1	r	2	c	-	59	45	0.24
16	Corunna	29.93	56	W	3	o	30.15	+.22	54	47	+4	N	6	b	4	o	-	59	43	0.55
17	Corunna	30.23	54	NNW	4	c	30.09	-.06	50	47	-4	NE	1	b	4	c	-	55	39	-
18	Corunna	29.99	57	N	3	c	29.84	-.25	50	49	0	N	6	r	3	c	-	59	45	0.08
19	Corunna	29.95	55	NW	4	c	30.07	+.23	52	48	+2	NNE	1	b	3	c	-	55	43	-
21	Corunna	30.14	57	NW	3	m	30.21	-	55	54	-	N	3	m	2	m	-	63	50	-
22	Corunna	30.17	55	N	4	b	30.05	-.16	54	50	-1	N	1	b	2	b	-	63	46	-
23	Corunna	29.84	59	N	4	b	29.87	-.18	57	53	+3	N	1	b	2	b	-	59	48	-
25	Corunna	29.99	60	N	6	c	30.04	+.08	55	51	-5	NE	3	b	2	c	-	64	48	-
26	Corunna	30.00	59	N	6	m	29.79	-.25	57	52	+2	NNE	1	c	2	m	-	59	48	-
27	Corunna	29.73	58	SSW	3	c	29.60	-.19	55	51	-2	NW	4	o	3	c	-	61	46	-
28	Corunna	29.69	55	NNW	4	c	29.88	+.28	50	48	-5	WSW	3	r	4	c	-	57	46	0.39
29	Corunna	29.84	57	NNW	6	c	29.89	+.01	55	50	+5	W	3	o	4	c	-	57	48	-
30	Corunna	29.93	61	SW	4	c	29.88	-.01	55	51	0	WSW	3	o	3	c	-	63	46	-

REPORTS FOR APRIL 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.			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	York	-	-	-	-	-	29.89	+.11	-	-	-	-	-	-	-	-	-	-	-	-
..	Cambridge	-	-	-	-	-	-	-	32	32	-1	-	-	-	-	-	-	-	-	-
3	Parsonstown	-	-	-	-	-	-	-	43	39	-2	-	-	-	-	-	-	-	-	-
..	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
5	Roches Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
..	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
6	Crick	-	-	-	-	-	29.62	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Parsonstown	-	-	-	-	-	29.91	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Pembroke	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	-	-
7	Pembroke	-	-	-	-	-	30.12	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32
..	Scilly	-	-	-	-	-	-	-	53	-	0	-	-	-	-	-	-	-	-	-
13	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-
17	Leith	-	-	-	-	-	-	-	48	-	0	-	-	-	-	-	-	-	-	-
..	Hurst Castle	-	-	-	-	-	30.01	-.03	-	-	-	-	-	-	-	-	-	-	-	-
19	Prawle Point	-	-	-	-	-	-	-	-	-	-	ENE	-	-	-	-	-	-	-	-
21	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
22	Parsonstown	30.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-
24	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
25	Sumburgh Head	-	-	-	-	-	30.16	+.13	-	-	-	-	-	-	-	-	-	-	-	-
30	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
..	Hurst Castle	29.57	49	WNW	4	c	-	-	-	-	-	-	-	-	-	-	-	-	-	-