12586

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1897.

DAILY WEATHER REPORT.

January to June 1897.

Wyman and Sons, Cr Lith London 5718/97

DAILY WEATHER REPORT

for 8 a.m. on Friday January 1st 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.70	37	S	2	f	29.53	−.11	28	28	+6	SSE	2	f	#	f	#	32	19	0.08
	Hernösand ...	29.78	34	S	2	f	29.45	−.27	29	27	+5	E	0	b	#	f	#	36	18	0.04
	Stockholm ...	29.69	36	SW	2	+	29.59	−.24	38	37	+5	WSW	2	o	#	+	#	38	30	0.08
	Wisby	29.81	37	SSW	4	+	29.75	−.13	40	39	+3	W	4	b	#	+	#	:	30	0.04
	Karlstad ...	29.57	38	S	2	+	29.62	−.10	34	33	−2	S	2	bc	#	+	#	#	#	0.12
	Bodö	29.36	39	ESE	2	c	29.25	−.20	37	36	+1	ESE	2	+	1	c	#	39	34	0.16
	Christiansund ...	29.45	42	WSW	3	c	29.50	+.19	38	37	−1	WSW	9	+	6	c	#	43	37	0.08
	Skudesnaes ...	29.67	45	W	4	c	29.78	+.35	42	39	−3	W	6	c	4	o.c	#	46	39	#
	Færder (Christiania Fjord)	29.56	37	NW	1	f	29.61	−.04	40	40	+1	SW	5	m	3	f	#	²	37	0.24
	Skagen (The Scaw)	29.69	41	W	3	bc	29.74	+.03	43	42	+1	W	4	o		bc	#	43	39	0.12
	Fanö	29.89	41	WSW	5	o	29.92	+.15	42	41	+2	W	4	c	#	o	#	²	39	—
	Sumburgh Head	29.44	45	SW	3	b	29.76	+.43	40	38	−4	WNW	5	o	5	c.b	#	47	39	0.11
	Stornoway ...	29.80	49	SW	8	o h f	29.97	+.51	40	39	−6	W	3	c	3	o l. q f h	0.0	49	34	0.42
	Wick	29.47	42	W	4	bc	29.94	+.50	37	36	−5	NW	3	bc	2	bc. l	#	48	32	0.10
	Nairn	29.45	49	WSW	5	bc	30.01	²	39	37	−4	W	1	b	1	bc. l	#	49	33	0.13
	Aberdeen ...	29.65	46	SSW	4	b q l	30.10	+.55	35	33	−6	SW	3	b	2	bc. q l. b†	3.3	47	34	0.05
	Leith	29.71	47	W	3	bc	30.18	+.53	40	37	−7	WSW	3	b	#	bc	#	50	37	0.02
	Shields	29.86	48	SW	1	o	30.24	+.52	36	35	−9	SW	2	b	2	c. o. f	#	51	35	—
	Spurn Head ...	29.67	45	SW	4	b	30.28	+.45	39	38	−5	WNW	4	b	3	b. w	#	47	38	—
	York	29.95	48	SSW	2	bc	30.30	+.45	36	35	−11	W	1	b	#	bc	0.3	50	35	0.02
	Loughborough ...	30.05	47	WSW	2	c	30.32	+.40	36	35	−9	NW	1	b w	#	c q f. b	#	49	36	0.01
British Islands.	Ardrossan ...	29.73	48	S	4	o f	30.20	+.48	44	44	−4	W	6	o	4	c. o f	#	48	42	0.05
	Malin Head ...	29.55	48	S	7	o q +	30.20	+.52	42	41	−5	²WNW	3	o m	3	bc. o q +	#	48	38	0.14
	Belmullet ...	29.81	45	WNW	5	c q f	30.29	+.52	45	43	−3	W	4	c	#	c. o. c q f	#	50	39	0.20
	Donaghadee ...	29.79	48	S	5	o	30.26	+.47	35	35	−11	W	4	b	2	o	#	50	35	0.03
	Liverpool (Bidston)	29.97	47	S	4	b	30.33	+.45	40	38	−7	W	2	b	4	b. f	#	52	39	0.04
	Holyhead ...	29.96	48	SW	4	b	30.34	+.46	42	39	−4	NW	4	b	3	c m. bc. b	#	49	39	—
	Parsonstown ...	29.88	49	W	1	b	30.37	+.47	33	33	−15	S	2	b	#	b. +	1.6	51	33	0.11
	Valencia ...	29.96	52	SSW	4	o q	30.42	+.45	36	35	−14	W	2	b	4	c m. c f o q	1.7	53	34	0.11
	Roche's Point ..	30.02	50	WSW	5	bc	30.43	+.41	37	35	−11	WNW	1	b	3	bc. f	#	51	36	0.01
	Pembroke (St. Ann's Hd.)	30.09	49	WSW	5	o	30.40	+.35	41	38	−8	W	3	b	4	o	1.1	49	40	0.15
	Scilly	30.25	51	SW	4	bc f	30.39	+.25	47	44	−3	W	4	c	5	c. bc f	2.3	53	44	0.01
	Prawle Point ...	30.23	49	WSW	6	o	30.38	+.23	41	40	−5	W	3	bc	2	o q f	#	51	40	0.23
	Jersey (St. Aubin's)	30.22	50	WSW	4	o q f	30.40	+.17	48	47	0	WSW	3	c	3	c. o q f	#	52	46	0.03
	Hurst Castle ...	30.20	47	SW	4	c f	30.37	+.23	45	44	0	NNW	3	c	3	c m. c f	#	49	45	0.05
	Dungeness ...	30.18	47	WSW	4	o	30.28	+.26	47	47	+2	WSW	4	o	3	c. o	#	49	45	—
	North Foreland	30.19	47	SW	2	o	30.30	+.27	45	44	0	W	4	+	3	bc. o	#	50	43	0.02
	London (Brixton) ...	30.16	48	SW	3	o	30.33	+.28	44	43	−1	NW	2	o q	#	bc. o. o †	1.5	50	44	0.05
	Oxford	30.15	49	WSW	3	o	30.35	+.22	41	39	−2	W	2	bc	#	bc o †	#	49	41	0.05
	Cambridge ...	30.10	48	WSW	2	b	30.32	+.24	41	39	−4	WNW	1	b	#	b	2.8	51	40	0.01
	Yarmouth ...	30.05	47	WSW	3	b	30.25	+.24	41	39	−4	NW	2	bc	3	bc. b	#	49	40	—
Germany & Holland.	Cuxhaven ...	29.95	41	WSW	3	o	30.05	+.14	42	42	+4	WSW	3	o	#	o	#	43	38	0.04
	Berlin	30.10	36	SW	3	+	30.17	+.03	41	40	+1	W	4	o	#	+	#	41	34	0.20
	Wiesbaden ...	*	*	*	*	*									#	*	#			
	Munich	30.39	37	SW	4	b	30.46	+.17	34	33	+9	SW	4	bc	#	b	#	40	24	—
	The Helder ...	30.06	44	SW	3	o	30.17	+.29	44	43	+1	W	2	o	1	o	#	45	43	—
Belgium.	Brussels ...	*	*	*	*	*	30.34	+.27	45	44	+4	SW	3	+	#	+	#	46	41	0.08
	Cape Gris Nez ..	30.18	47	W	4	o	30.25	+.24	47	46	+1	W	4	o	4	o	#	48	43	—
	Paris	29.99	43	SW	2	b	30.40	+.24	41	41	−2	SSW	1	m	#	b	#	51	41	0.04
	Brest	30.36	²	WSW	²	²	30.39	+.06	51	50	+1	SW	3	o	4	²	#	52	45	—
	Lorient	30.40	50	WSW	4	c	30.44	+.15	48	46	0	SW	3	bc	5	c	#	52	41	—
France &	Rochefort ...	30.40	50	WNW	2	b	30.44	+.06	43	43	−5	SE	3	f	#	bc. b	#	55	43	—
	Belfort	30.44	34	WSW	1	f	30.47	+.13	35	35	+7	SW	1	f	#	f	#	37	²	0.04
	Lyons	30.48	39	NE	1	f	30.49	+.09	39	37	+8	WNW	1	o	#	f	#	42	31	—
	Nice	30.29	46	E	1	c	30.28	−.13	41	37	+1	E	2	bc	2	c	#	53	39	—
	Perpignan ...	30.41	53	NW	2	b	30.39	−.02	46	41	+12	NW	2	b	#	b	#	52	34	—
	Biarritz ...	30.42	51	S	3	f	30.43	+.02	46	46	−4	SE	3	o	4	f	#	54	43	—
Peninsula.	Corunna ...																#			
	Lisbon	30.30	48	calm	1	f	30.32	+.05	50	50	+6	W	1	f	#	f	#	²	²	—
	Azores (P. Delgada)																#			

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

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

Bright Sunshine yesterday Southport 3.5 hrs; Brighton 3.5 hrs; Hastings 3.1 hrs; Eastbourne 3.0 hrs.

WEATHER CHARTS

FOR Friday, 1st January, 1897.

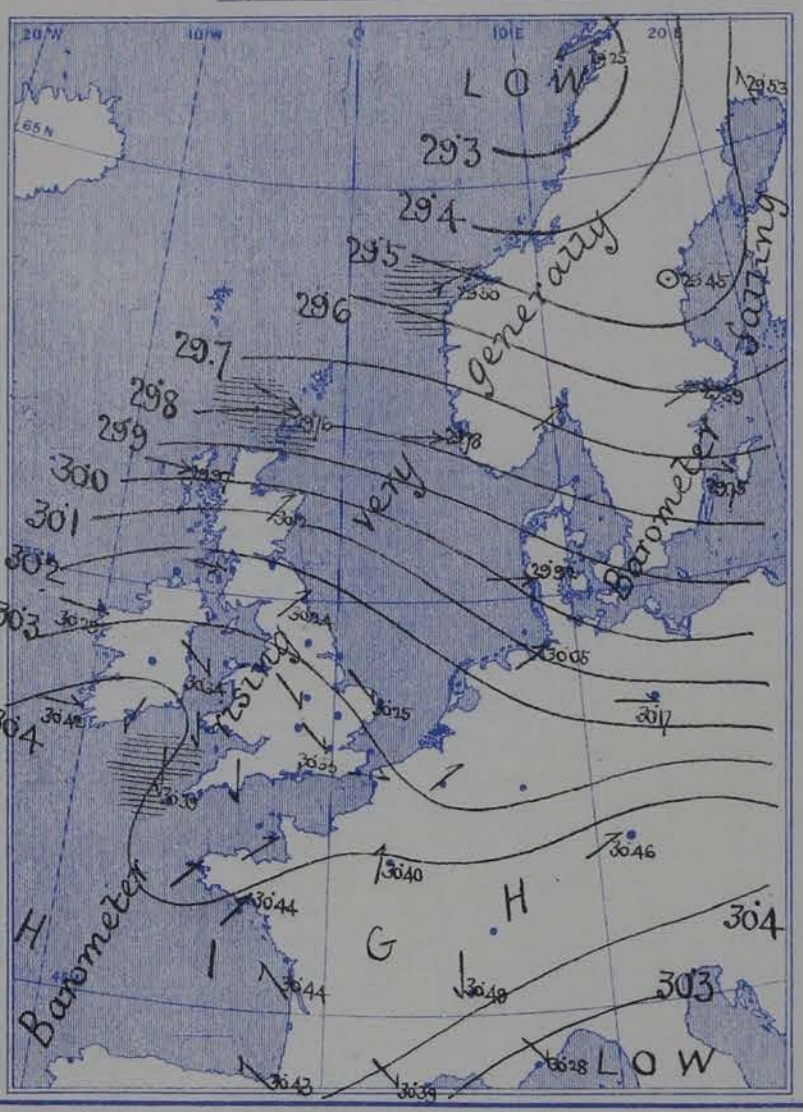
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*

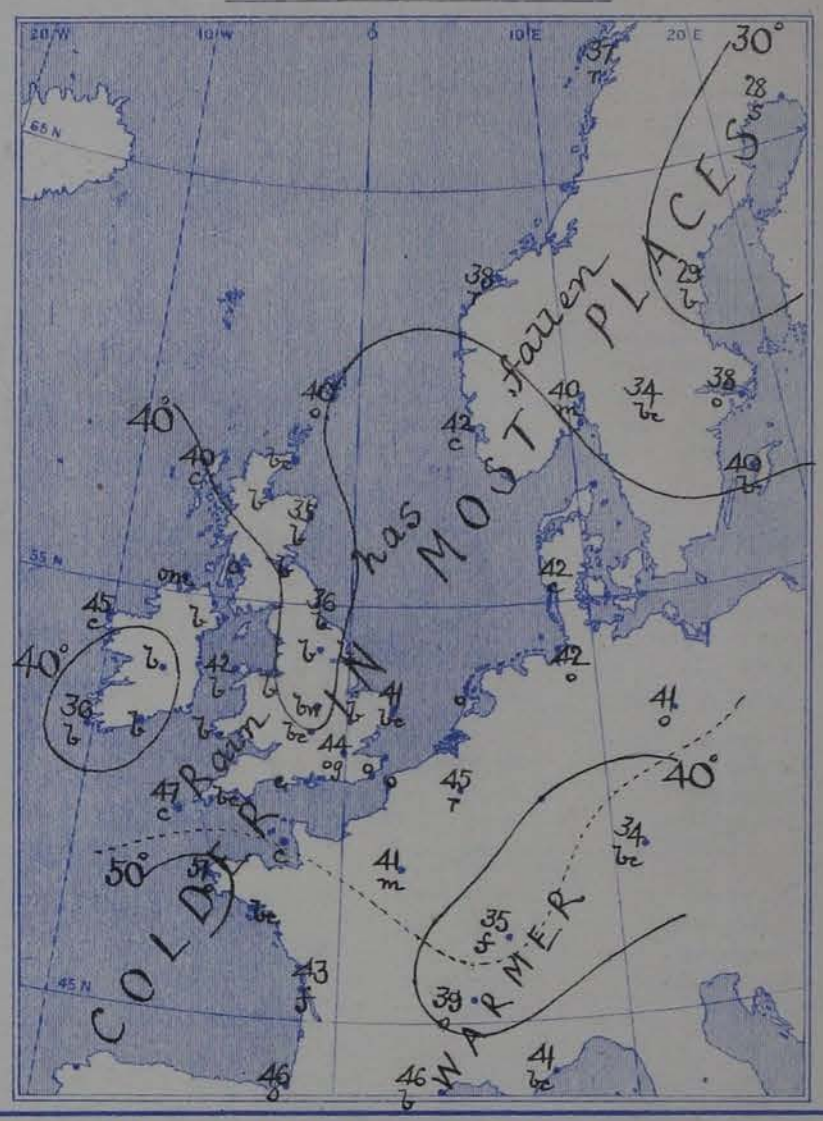


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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 · 676	39 · 4	38 · 0	42 · 5	35 · 2	51	1880, 82, 87	19	1881	3 · 85	—	—
Stornoway	29 · 688	39 · 1	38 · 2	42 · 9	34 · 0	55	1890	11	1881	5 · 17	29 · 2	13
Wick	29 · 715	37 · 9	36 · 6	42 · 0	32 · 9	57	1889	— 4	1881	2 · 24	—	—
Nairn	29 · 744	36 · 9	35 · 4	42 · 0	32 · 2	59	1887	5	1881, 95	1 · 98	—	—
Aberdeen	29 · 786	36 · 9	35 · 2	42 · 0	32 · 8	58	1889, 92	4	1881	2 · 38	52 · 6	23
Leith	29 · 821	38 · 2	36 · 7	43 · 9	33 · 3	57	1872, 80, 88,	9	1881	1 · 78	—	—
Shields	29 · 871	37 · 7	36 · 5	42 · 7	33 · 5	58	1880	6	1881	1 · 72	—	—
Spurn Head	29 · 911	37 · 3	36 · 3	41 · 2	34 · 0	54*	1884, 88	13*	1881	1 · 38	—	—
York	29 · 922	36 · 2	35 · 2	42 · 2	31 · 9	58	1872	3	1881	1 · 84	30 · 2	12
Loughborough	29 · 958	35 · 8	34 · 8	42 · 5	31 · 7	57*	1888, 94	2*	1881	2 · 01	—	—
Ardrossan	29 · 834	39 · 5	38 · 4	43 · 7	35 · 7	53	1873, 75, 92	12	1881	3 · 89	—	—
Malin Head	29 · 795	40 · 6	39 · 0	45 · 0	37 · 6	—	—	—	—	—	—	—
Belmullet	29 · 830	42 · 3	41 · 0	46 · 4	38 · 7	—	—	—	—	5 · 48	—	—
Donaghadee	29 · 854	39 · 7	38 · 9	44 · 2	35 · 8	55	1875, 80, 89, 92	20	1894	2 · 90	—	—
Holyhead	29 · 897	41 · 3	40 · 0	45 · 1	38 · 2	55	1873	20	1894	3 · 26	—	—
Liverpool	29 · 918	38 · 1	36 · 5	43 · 0	34 · 7	57	1877, 90	9	1881	2 · 18	—	—
Parsonstown	29 · 895	38 · 3	37 · 3	45 · 0	33 · 6	57	1880	6	1881, 94	2 · 99	50 · 8	21
Valencia	29 · 894	44 · 0	42 · 7	49 · 0	39 · 8	56	1876, 78	20	1894	6 · 31	56 · 1	22
Roche's Point	29 · 909	42 · 7	41 · 4	47 · 3	38 · 9	57	1889	20	1894	5 · 33	—	—
Pembroke	29 · 932	42 · 2	40 · 8	45 · 1	39 · 0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3 · 71	53 · 6	21
Scilly	29 · 960	46 · 0	44 · 4	48 · 5	42 · 3	55	1875, 76, 77, 82, 83, 90	25	1894	3 · 63	—	—
Prawle Point	29 · 991	41 · 3	40 · 3	45 · 7	37 · 0	56*	1883, 95	17*	1881	2 · 92	—	—
Jersey	30 · 012	41 · 5	40 · 0	45 · 6	37 · 9	57	1877	12	1891	3 · 21	71 · 2	27
Hurst Castle	29 · 991	39 · 6	38 · 8	44 · 4	35 · 6	56	1876, 83, 90,	15	1881	2 · 86	—	—
Dover	29 · 992	38 · 4	37 · 4	42 · 9	34 · 7	55	1878	11	1893	2 · 47	—	—
LONDON	29 · 991	37 · 1	36 · 0	43 · 4	33 · 2	58	1876	9	1881	2 · 06	19 · 3†	8†
Oxford	29 · 987	36 · 4	35 · 4	42 · 5	32 · 9	56	1877, 90	7	1881	2 · 16	47 · 1	19
Cambridge	29 · 979	35 · 6	34 · 8	42 · 7	30 · 9	59	1878, 80	4	1881	1 · 52	49 · 8	20
Yarmouth	29 · 960	37 · 0	36 · 1	40 · 9	33 · 0	55	1878, 84	10	1881	1 · 96	—	—

* 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 in a large anticyclone extending from the Spanish Peninsula over France & the extreme southwest of our islands

Lowest 29.3 ins. and less in a depression lying off the northwest of Norway.

Gradients moderate or slight generally.

Barometer rising at all but the Swedish stations; – briskly in our islands.

TEMPERATURE

Highest 51° at Brest, 48° at Jersey and Lorient, 47° at Scilly, Dungeness and Cape Gris Nez and 46° at Biarritz & Perpignan

Lowest 1) 28° at Haparanda, 29° at Hernösand and 34° at Sarder; 2) 33° at Parsonstown and 35° at Donaghadee; 3) 34° at Munich and 35° at Belfort.

During yesterday the thermometer again rose to 50° and upwards in several parts of the United Kingdom and to 53° at Scilly

WIND

W^ly over the northern parts of our islands and also over Denmark, Germany and the southern parts of Scandinavia, moderate in force generally, but blowing a gale at Christiansund.

Light to moderate from the NW^d or N^d over the southern parts of the United Kingdom. S^ly (SW to SE.) over the greater part of France

A moderate to fresh gale from the SW^d was experienced last night on our extreme northwest coasts

WEATHER

Fine over the greater part of our islands, but dull in the extreme southeast of England, with rain at the North Foreland.

Dull at most of the Continental stations, with rain in the west of Norway and also at Brussels. Snow & falling at Haparanda. Fine in the extreme S. of France

Rain fell yesterday in nearly all parts of North western Europe and lightning was seen last evening in the north of Scotland.

SEA

Rough at Christiansund and rather rough at Lumbwyk Head, Scilly and Lorient, but moderate to slight elsewhere

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over Spain and France is spreading northwards, and fair dry weather seems likely to continue over our islands for a time, with a decided fall of temperature in most districts.

FORECASTS

For the 24 hours ending at NOON on 2^nd January 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W^ly to NW^ly winds, moderate or fresh; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW^ly winds, light; fair generally, frosty at night, local fogs.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as N^os 0 and 1.
7	ENGLAND N.W.	Same as N^o 5.
8	ENGLAND S.W.	N^ly to variable breezes; fair generally, colder.
9	IRELAND NORTH	Same as N^os 0 and 1.
10	IRELAND SOUTH	Same as N^o 8.
	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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.49	46	45	SW	2	0	5	Valencia	29.95	52	50	SSW	5	cfp	5
Sumburgh Head	29.43	47	45	WSW	4	c	4	Scilly	30.20	53	51	SW	5	c	5
Stornoway	29.45	48	46	WSW	4	0	4	Jersey	30.30	51	49	WSW	4	c	2
Aberdeen	29.65	46	44	SSE	4	bcq	3	Hurst Castle ...	30.18	48	47	SW	3	cm	3
Shields	29.83	50	47	SW	2	c	2	Dungeness ...	30.14	47	46	WSW	4	c	3
Ardrossan	29.76	47	47	SSW	4	c	3	North Foreland	30.14	49	47	SW	2	bc	2
Malin Head ...	29.66	48	47	SSW	5	bc	3	London (Westminster)	30.13	51	48	SW	3	0	*
Belmullet	29.75	50	49	WSW	6	0	*	Yarmouth ...	30.00	49	46	W	4	bc	3
Holyhead	29.96	48	47	SW	3	bc	3	Rochefort ...	30.44	54	52	S	3	bc	*

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

Continental information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 2nd January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.46	28	S	0	S	29.84	+.31	22	?	− 6	NW	2	b	#	S	#	34	?	0.28
	Hernösand ...	29.72	37	W	6	0	30.18	+.73	28	26	− 1	W	2	b	#	0	#	39	27	-
	Stockholm ...	29.67	33	NW	6	S	30.25	+.66	31	29	− 7	NW	2	b	#	S	#	39	31	0.47
	Wisby														#		#			
	Karlstad ...														#		#	#	#	
	Bodö	29.56	37	W	4	S	29.97	+.72	40	38	+ 3	W	6	bc	3	S	#	40	32	0.28
	Christiansund ...	29.89	39	NSW	9	T	30.12	+.62	44	41	+ 6	NSW	3	0	5	T	#	45	36	0.08
	Skudesnaes ...	30.21	42	W	4	bc	30.38	+.60	43	42	+ 1	S	4	bc	3	bc	#	43	39	#
	Færder (Christiania Fjord)	30.04	38	NNW	3	b	30.34	+.73	37	35	− 3	W	2	b	2	b	#	41	37	-
	Skagen (The Scaw)	30.15	39	NNW	3	b	30.41	+.67	39	37	− 4	NNW	1	bc	0	b	#	43	37	0.04
	Fanö	30.38	38	NNW	4	b	30.50	+.58	36	36	− 6	NW	2	b	#	b	#	43	36	-
	Sumburgh Head	30.02	45	W	4	0	30.03	+.27	43	40	+ 3	SSW	3	c	5	c.o	#	45	40	0.02
	Stornoway ...	30.08	44	SW	3	c	29.95	−.02	45	43	+ 5	SW	4	o	4	T.c	1.8	45	38	0.03
	Wick	30.14	40	W	2	bc	30.09	+.15	42	41	+ 5	W	4	c	5	bc	#	42	32	-
	Nairn	-	-	-	-	-	30.10	?	41	38	+ 2	W	2	b	1	?	#	45	38	-
	Aberdeen ...	30.26	38	S	2	b	30.23	+.13	37	35	+ 2	SW	6	bcq	3	b	5.5	43	35	-
	Leith	30.32	42	NSW	3	b	30.31	+.13	41	39	+ 1	NSW	1	b	#	b	#	46	37	-
	Shields	30.37	42	NSW	3	b	30.41	+.17	33	32	− 3	S	3	bcm	2	b	#	45	31	-
	Spurn Head ...	30.44	39	W	3	b	30.51	+.23	36	35	− 3	SSW	3	bm	3	b.bw	#	42	35	-
	York	30.43	39	W	1	b	30.48	+.18	30	29	− 6	SSW	1	b	#	b	6.2	46	28	-
	Loughborough ...	30.49	33	WNW	1	b	30.54	+.22	25	25	− 11	ESE	2	f	#	b	#	44	23	-
British Islands.	Ardrossan ...	30.35	44	NSW	4	b	30.28	+.08	45	44	+ 1	SSE	4	o	4	c.b	#	46	42	-
	Malin Head ...	30.26	41	SSW	5	bcm	30.08	−.12	42	42	0	S	6	oq	4	b.bcm	#	45	28	-
	Belmullet ...	30.30	45	SW	3	c	30.09	−.20	47	46	+ 2	SSW	5	cq	#	bc.c	#	52	42	0.04
	Donaghadee ...	30.40	37	SW	4	b	30.31	+.05	43	43	+ 8	S	5	bc	3	b	#	44	34	-
	Liverpool (Bidston)	30.47	40	SW	1	b	30.47	+.14	32	31	− 8	SE	3	b	2	b	#	44	31	-
	Holyhead ...	30.46	41	SW	2	b	30.41	+.07	41	39	− 1	S	4	cm	3	b	#	45	39	-
	Parsonstown ...	30.42	37	SW	1	b	30.25	−.12	46	45	+ 13	SE	1	o	#	b.r	5.8	46	32	0.01
	Valencia ...	30.40	42	S	1	c	30.24	−.18	49	48	+ 13	S	4	oq	4	c	2.7	49	35	0.10
	Roche's Point ..	30.46	46	W	1	b	30.32	−.11	49	49	+ 12	SW	4	q	4	b	#	49	37	0.02
	Pembroke (St. Ann's Hd.)	30.52	40	NE	2	b	30.44	+.04	45	43	+ 4	SW	4	oq	4	b	6.3	45	40	-
	Scilly	30.46	45	E	1	bcw	30.43	+.04	48	47	+ 1	ESE	5	cm	4	bc	2.3	48	42	-
	Prawle Point ...	30.51	38	N	2	b	30.51	+.13	41	40	0	ENE	3	cq	2	b	#	49	36	-
	Jersey (St. Aubin's)	30.48	45	NW	3	b	30.52	+.12	37	37	− 11	ENE	1	bcm	1	a.b.bw	#	49	37	0.02
	Hurst Castle ...	30.20	47	SW	4	c	30.54	+.17	34	31	− 11	NE	2	bm	1	b,c	#	46	30	-
	Dungeness ...	30.45	41	NNE	2	b	30.53	+.25	40	39	− 7	E	3	bc	1	b	#	47	32	0.03
	North Foreland	30.48	39	NW	1	b	30.57	+.27	36	35	− 9	E	2	bc	2	b	#	48	35	-
	London (Brixton) ...	30.46	41	NNW	1	b	30.56	+.23	29	28	− 15	N	0	f	#	bc,bf	0.0	47	28	-
	Oxford	30.55	34	N	1	b	30.57	+.22	25	25	− 16	N	0	f	#	b	#	46	25	-
	Cambridge ...	30.50	34	NNW	1	b	30.58	+.26	24	?	− 17	SSW	1	f	#	b	4.8	45	23	-
	Yarmouth ...	30.41	39	NW	1	b	30.55	+.30	33	32	− 8	SSW	1	bf	3	b	#	43	30	-
Germany & Holland.	Cuxhaven ...	30.27	37	NW	1	o	30.34	+.49	35	35	− 7	W	1	b	#	o	#	43	34	0.04
	Berlin	30.34	39	W	2	b	30.51	+.34	33	32	− 8	W	2	c	#	b	#	43	32	-
	Wiesbaden ...	#	#	#	#	#	30.56		35	34		SW	1	o	#	#	#	43	34	-
	Munich	30.50	36	W	3	T	30.51	+.05	34	34	0	W	2	S	#	T	#	43	34	0.08
	The Helder ...	30.44	41	NW	1	b	30.58	+.41	32	31	− 12	SW	1	f	1	b	#	45	32	-
Belgium.	Brussels ...	#	#	#	#	#	30.59	+.25	34	34	− 11	ENE	1	f	#	c	#	45	34	0.08
	Cape Gris Nez ...	30.40	41	E	1	bc	30.49	+.24	34	34	− 13	E	2	bc	1	bc	#	48	32	-
	Paris	30.51	45	SSW	2	b	30.55	+.15	42	42	+ 1	E	1	f	#	b	#	49	41	-
	Brest	30.49	46	NE	1	bc	30.49	+.10	46	43	− 5	SE	1	c	3	bc	#	52	41	-
	Lorient	30.47	48	N	3	bc	30.52	+.08	41	40	− 7	E	3	o	5	bc	#	52	34	-
France &	Rochefort ...	30.54	45	S	2	o	30.52	+.08	43	43	0	S	2	o	#	o	#	50	41	-
	Belfort	30.48	37	SW	1	o	30.52	+.05	36	34	+ 1	N	2	o	#	o	#	39	32	0.04
	Lyons	30.49	39	NW	2	b	30.47	−.02	40	39	+ 1	N	1	o	#	b	#	47	36	-
	Nice	30.29	44	W	0	b	30.32	+.04	39	32	− 2	E	4	b	1	b	#	52	37	-
	Perpignan ...	30.42	47	NW	3	b	30.42	+.03	44	38	− 2	NW	2	b	#	b	#	54	41	-
	Biarritz ...	30.48	44	NE	3	b	30.46	+.03	42	41	− 4	E	3	o	5	bm	#	54	41	-
Peninsula.	Corunna ...														#		#			
	Lisbon	30.49	48	NNW	3	b	30.44	−.08	41	41	− 9	NE	3	f	#	b	#	55	41	-
	Azores (P. Delgada)	30.43	55	NNE	4	b	30.38	−.11	54	51	0	N	4	bc	2	b	#	61	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 roof of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 6.0 hrs; Brighton 0.0 hrs; Hastings 0.0 hrs; Eastbourne 0.8 hr.

WEATHER CHARTS

FOR Saturday, 2nd January, 1897.

BAROMETER, WIND AND SEA.

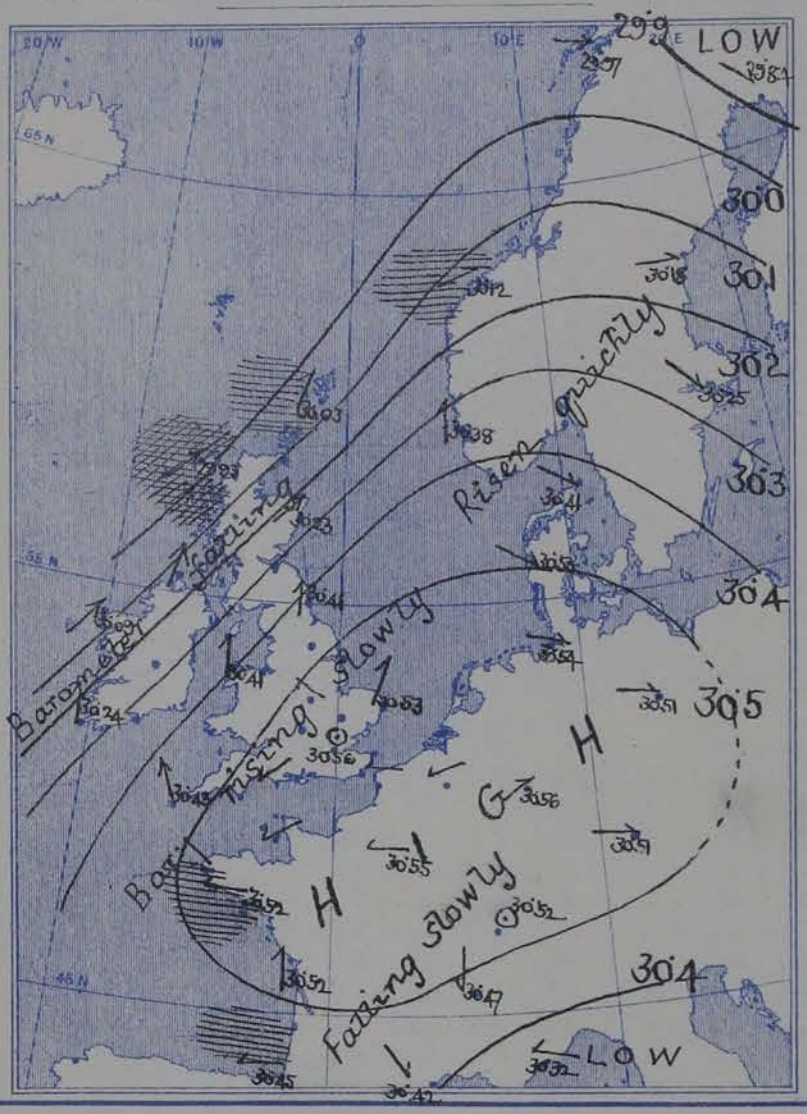
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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

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

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 · 676	39 · 4	38 · 0	42 · 5	35 · 2	51	1880, 82, 87	19	1881	3 · 85	—	—
Stornoway	29 · 688	39 · 1	38 · 2	42 · 9	34 · 0	55	1890	11	1881	5 · 17	29 · 2	13
Wick	29 · 715	37 · 9	36 · 6	42 · 0	32 · 9	57	1889	— 4	1881	2 · 24	—	—
Nairn	29 · 744	36 · 9	35 · 4	42 · 0	32 · 2	59	1887	5	1881, 95	1 · 98	—	—
Aberdeen	29 · 786	36 · 9	35 · 2	42 · 0	32 · 8	58	1889, 92	4	1881	2 · 38	52 · 6	23
Leith	29 · 821	38 · 2	36 · 7	43 · 9	33 · 3	57	1872, 80, 88,	9	1881	1 · 78	—	—
Shields	29 · 871	37 · 7	36 · 5	42 · 7	33 · 5	58	1880	6	1881	1 · 72	—	—
Spurn Head	29 · 911	37 · 3	36 · 3	41 · 2	34 · 0	54*	1884, 88	13*	1881	1 · 38	—	—
York	29 · 922	36 · 2	35 · 2	42 · 2	31 · 9	58	1872	3	1881	1 · 84	30 · 2	12
Loughborough	29 · 958	35 · 8	34 · 8	42 · 5	31 · 7	57*	1888, 94	2*	1881	2 · 01	—	—
Ardrossan	29 · 834	39 · 5	38 · 4	43 · 7	35 · 7	53	1873, 75, 92	12	1881	3 · 89	—	—
Malin Head	29 · 795	40 · 6	39 · 0	45 · 0	37 · 6	—	—	—	—	—	—	—
Belmullet	29 · 830	42 · 3	41 · 0	46 · 4	38 · 7	—	—	—	—	5 · 48	—	—
Donaghadee	29 · 854	39 · 7	38 · 9	44 · 2	35 · 8	55	1875, 80, 89, 92	20	1894	2 · 90	—	—
Holyhead	29 · 897	41 · 3	40 · 0	45 · 1	38 · 2	55	1873	20	1894	3 · 26	—	—
Liverpool	29 · 918	38 · 1	36 · 5	43 · 0	34 · 7	57	1877, 90	9	1881	2 · 18	—	—
Parsonstown	29 · 895	38 · 3	37 · 3	45 · 0	33 · 6	57	1880	6	1881, 94	2 · 99	50 · 8	21
Valencia	29 · 894	44 · 0	42 · 7	49 · 0	39 · 8	56	1876, 78	20	1894	6 · 31	56 · 1	22
Roche's Point	29 · 909	42 · 7	41 · 4	47 · 3	38 · 9	57	1889	20	1894	5 · 33	—	—
Pembroke	29 · 932	42 · 2	40 · 8	45 · 1	39 · 0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3 · 71	53 · 6	21
Scilly	29 · 960	46 · 0	44 · 4	48 · 5	42 · 3	55	1875, 76, 77, 82, 83, 90	25	1894	3 · 63	—	—
Prawle Point	29 · 991	41 · 3	40 · 3	45 · 7	37 · 0	56*	1883, 95	17*	1881	2 · 92	—	—
Jersey	30 · 012	41 · 5	40 · 0	45 · 6	37 · 9	57	1877	12	1891	3 · 21	71 · 2	27
Hurst Castle	29 · 991	39 · 6	38 · 8	44 · 4	35 · 6	56	1876, 83, 90,	15	1881	2 · 86	—	—
Dover	29 · 992	38 · 4	37 · 4	42 · 9	34 · 7	55	1878	11	1893	2 · 47	—	—
LONDON	29 · 991	37 · 1	36 · 0	43 · 4	33 · 2	58	1876	9	1881	2 · 06	19 · 3†	8†
Oxford	29 · 987	36 · 4	35 · 4	42 · 5	32 · 9	56	1877, 90	7	1881	2 · 16	47 · 1	19
Cambridge	29 · 979	35 · 6	34 · 8	42 · 7	30 · 9	59	1878, 80	4	1881	1 · 52	49 · 8	20
Yarmouth	29 · 960	37 · 0	36 · 1	40 · 9	33 · 0	55	1878, 84	10	1881	1 · 96	—	—

* 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 an anticyclone lying over Germany, the Netherlands, the greater part of England, and all but the southern parts of France.
Lowest 29.9 ins. and less in Lapland; 30.0 ins. and less in the Hebrides.
Gradients rather steep over Ireland and Scotland, but slight elsewhere.
Barometer falling in the W. and N. of our Islands, and also over the S^W. parts of France, but rising elsewhere.

TEMPERATURE

Highest 49 at Valencia (Ireland) and Rockall Pt., 48° at Scilly, 47° at Belmullet, & 46° at Parsonstown.
Lowest (1) 22° at Haparanda, and 28° at Hernösand; (2) 24° at Cambridge, and 25° at Loughborough and Oxford.
Sharp frost occurred last night over the inland part of England, the lowest readings reported being:— (1) In the screen 23° at Loughborough and Cambridge, and 25° at Oxford; (2) on the grass 17° at Loughborough.

WIND

Moderate to fresh from the S^wd. on our western coasts, S^by W in Scotland and the W. of Norway, with a moderate gale at Stornoway; light from the W^wd. over Sweden, Denmark and Germany.
Light from the E^wd. over the Channel and Bay of Biscay.

WEATHER

Foggy over the inland parts of England, and also over the Netherlands; fine in most other parts of St. Britain, but dull in Ireland, with rain at Rockall Point.
Fine in Scandinavia, Denmark and N. Germany, but dull over northern France & S. Germany, with snow at Munich.
Since yesterday morning a little rain has fallen in many parts of Ireland and the N. of Scotland, as well as at some of the Belgian and German stations. Snow has fallen in Sweden and the N. of Norway. Bright aurora was seen last night at Wick and Aberdeen.

SEA

High at Stornoway, and rather rough at Swinemünde & Christiansund, as well as in the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new series of depressions is approaching our W^rn. coasts, and increasing S^by. winds are therefore probable in Ireland and Scotland, with unsettled, rainy weather. Over the S.E^rn. parts of the Kingdom no decided change is anticipated at present.

FORECASTS

For the 24 hours ending at NOON on 3^RD. JANUARY. 1897.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
▼	SCOTLAND NORTH	S^by and SW^by gales and strong winds; squally, some rain.	▼ 6	SCOTLAND WEST	
▼	SCOTLAND EAST	S^by and SW^by winds, increasing in force; fair at first, some rain later.	7	ENGLAND N.W.	Same as No. 1.
2	ENGLAND N.E.	S^by and SW^by winds, light or moderate; fine generally, becoming milder.	8	ENGLAND S.W.	
3	ENGLAND EAST		▼ 9	IRELAND NORTH	Same as No. 0.
4	MIDLAND COUNTIES		▼ 10	IRELAND SOUTH	
5	ENGLAND SOUTH	Variable breezes finally S^by.; fair generally, but local fogs.		WARNINGS	At 10.30 am today to districts 0, 6, 9, 10 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 ...	29.99	43	40	NW	7	c	4
Sumburgh Head	29.94	44	41	NNW	5	c	5
Storroway	30.07	45	43	NNW	3	r	3
Aberdeen							
Shields	30.33	44	41	SW	2	b	2
Ardrossan	30.31	45	45	NNW	4	c	3
Malin Head ...	30.25	45	44	SSW	4	b	3
Belmullet	30.32	47	45	NW	3	bc	*
Holyhead	30.43	44	41	W	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.43	46	43	SSE	1	c	4
Scilly	30.46	48	43	NNE	3	bc	4
Jersey	30.44	49	47	NNW	3	o	3
Hurst Castle ...	30.42	46	42	NNE	2	b	2
Dungeness ...	30.38	44	43	NNE	3	o	3
North Foreland	30.39	43	41	NW	2	o	3
London (Westminster)	30.42	45	40	NW	2	bcm	*
Yarmouth ...	30.36	43	39	NW	2	b	3
Rochefort ...	30.46	45	45	SE	2	f	*

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

Continental information not yet received

GENERAL REMARKS ON THE WEATHER FOR THE 24 HOURS ENDING 8 A.M. ON JAN. 1ST.

Weather in morning fair or fine over the greater part of our islands, France and Southern Europe, but dull and showery on our extreme north west coasts. Dull in most of the northern and Central Countries with fog in many places and with rain in the south of Scandinavia as well as at Brussels, Paris and Limoges. A little rain falling later in most parts of our islands and their neighbourhood and snow in the north of Sweden. Lightning seen in the north of Scotland in evening.

Temperature fallen in England and Ireland and also in Austria, but risen in most other countries. Morning readings highest 53° at Malta and La Calle, 53° at Cagliari and 52° at Algiers and Sfax; touching 50 on our own extreme south west coasts and above 45° in all but the extreme northern and eastern parts of the United Kingdom. Lowest (1) 18° at Cracow, 20° at Buda Pesth and 22° at Vienna and Lemberg; (2) 22° at Haparanda and 24° at Hernösand; below the freezing point over eastern and Central Europe generally. Rising during day to 50° and upwards in many parts of our islands and also in the west and south of France and touching 54° at Biarritz.

Wind moderate to fresh from the W^d or SW^d over our islands, the Netherlands, Denmark, Germany & the north of France; Calm or variable over Finland & the north of Sweden; E^ly in the west of Norway. E^ly or SE^ly in Austria; N^ly or NE^ly over the greater part of Italy & the Spanish peninsula; variable in the south of France. Subsequently increasing to a moderate or fresh gale from the SW. on our extreme northwest coasts; no important change occurring elsewhere.

Barometer highest 30·5 ins. & upwards over Central Spain & also over Austria & the extreme south of Russia; 30·3 ins. & upwards in an anticyclone covering all the more southern parts of the Continent. Lowest 29.3 ins. and less in a depression lying to the northward of the Shetlands; 30.1 ins. & less in a shallow system near Malta. Depression in north subsequently moving northeastward, but new disturbance skirting the northwest of Scotland 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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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 3½ January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·19	6	Z	c	b	30·21	+ ·37	22	22	0	SW	2	bc	≡	b	≡	30	5	—
	Hernösand ...	30·32	23	Z	o	b	30·32	+ ·14	20	19	— 8	Z	o	f	≡	b	≡	39	19	—
	Stockholm ...	30·41	28	W	2	b	30·37	+ ·12	25	25	— 6	Z	o	f	≡	b	≡	34	25	—
	Wisby	30·43	36	N	4	b	30·38		33	32		N	4	o	≡	b	≡	37	32	—
	Karlstad ...	30·41	26	Z	o	b	30·34		23	22		Z	o	f	≡	b	≡	≡	≡	—
	Bodö	29·98	35	SW	6	o	30·04	+ ·07	36	35	— 4	SW	6	o	4	o	≡	40	32	0·24
	Christiansund ...	30·12	34	ENE	2	b	30·17	+ ·05	35	35	— 9	ENE	1	b	5	b	≡	44	34	—
	Skudesnaes ...	30·41	43	S	4	o	30·36	— ·02	42	39	— 1	S	6	o	4	o	≡	45	41	≡
	Færder (Christiania Fjord)	30·40	36	WNW	2	b	30·33	— ·01	31	30	— 6	N	1	b	2	b	≡	37	31	—
	Skagen (The Scaw)	30·51	36	W	1	bc	30·36	— ·05	38	36	— 1	NW	3	b	o	bc	≡	41	36	—
	Fanö	30·36	37	S	2	b	30·45	— ·05	35	34	— 1	W	2	b	≡	b	≡	41	34	—
British Isles.	Sumburgh Head	30·00	44	SSW	3	c	29·89	— ·14	44	42	+ 1	S	5	o	6	c	≡	45	41	—
	Stornoway ...	29·87	48	SW	8	o	29·61	— ·34	48	45	+ 3	SW	9	o	8	o	0·0	50	43	—
	Wick	30·01	45	SW	6	b	29·83	— ·26	45	44	+ 3	S	7	bc	5	b	≡	47	41	—
	Nairn	30·03	49	W	2	c	29·84	— ·26	46	43	+ 5	W	3	bc	2	c	≡	50	38	—
	Aberdeen ...	30·20	42	ENE	4	ogq	30·03	— ·20	39	37	+ 2	S	5	bcq	5	ogq	0·0	43	37	—
	Leith	30·24	42	WSW	2	o	30·05	— ·26	42	39	+ 1	SSE	1	c	≡	o	≡	46	39	—
	Shields	30·36	36	SSW	2	bm	30·19	— ·22	34	33	+ 1	SSW	3	m	2	bm	≡	39	30	—
	Spurn Head ...	30·46	36	SSW	2	b	30·28	— ·23	38	38	+ 2	S	4	o	3	bm.o	≡	41	33	—
	York	30·42	34	SSE	1	b	30·26	— ·22	33	33	+ 3	SSE	1	f	≡	b		36	29	0·01
	Loughborough ...	30·49	33	ESE	1	b	30·30	— ·24	36	36	+ 11	SE	2	ogm	≡	f.m.b.of	≡	40	25	0·01
	Ardrossan ...	30·21	46	SSE	5	op	29·97	— ·31	45	44	0	SSE	6	o	4	op	≡	46	43	—
	Malin Head ...	30·01	48	S	6	c	29·64	— ·44	47	46	+ 5	S	8	oq	5	c	≡	49	42	—
	Belmullet ...	29·98	49	SSW	7	bc	29·70	— ·39	45	44	— 2	WSW	4	or	≡	bc	≡	49	42	0·30
	Donaghadee ...	30·26	47	S	6	og	29·97	— ·34	47	46	+ 4	S	7	c	5	og	≡	47	42	—
	Liverpool (Bidston)	30·40	34	SE	3	b	30·28	— ·27	36	33	+ 4	SE	3	o	?	b	≡	38	30	—
	Holyhead ...	30·34	44	S	5	ogm	30·09	— ·32	43	42	+ 2	S	5	om	4	ogm	≡	44	39	—
	Parsonstown ...	30·17	49	SE	2	o	29·86	— ·39	47	45	+ 1	SE	3	oq	≡	or.oq	0·0	50	45	—
	Valencia ...	30·11	50	S	6	og	29·81	— ·43	46	45	— 3	S	6	rgm	6	pmpg	0·2	51	43	0·32
	Roche's Point ..	30·26	50	SSW	5	bc	29·96	— ·36	49	46	0	SSW	8	bc	5	bc	≡	51	48	—
	Pembroke (St. Ann's Hd.)	30·37	46	S	4	o	30·44	— ·30	46	45	+ 1	S	5	oq	5	o	0·0	46	44	—
	Scilly	30·34	47	S	5	cpm	30·13	— ·30	50	48	+ 2	S	6	op	5	cpm	0·1	50	47	0·03
	Prawle Point ...	30·44	44	SE	3	o	30·26	— ·25	45	44	+ 4	S	6	pw	5	o	≡	45	41	0·01
	Jersey (St. Aubin's)	30·46	41	ENE	1	bm	30·35	— ·17	43	42	+ 6	SSW	3	cw	3	b,bm	≡	47	37	—
	Hurst Castle ...	30·46	42	NE	3	o	30·31	— ·23	44	43	+ 10	SSW	3	o	2	cm.o	≡	44	30	—
	Dungeness ...	30·49	41	ESE	1	bc	30·36	— ·17	41	40	+ 1	SSE	4	o	3	bc	≡	43	40	—
	North Foreland	30·55	37	SE	3	o	30·39	— ·18	40	39	+ 4	SSE	3	o	2	o	≡	43	34	—
	London (Brixton) ...	30·52	33	E	1	cw	30·33	— ·23	40	40	+ 11	S	1	o	≡	gf.b.r	0·0	41	29	0·01
	Oxford	30·49	32	SW	1	c	30·32	— ·25	34	34	+ 9	S	2	o	≡	c	≡	36	24	—
	Cambridge ...	30·52	36	SSE	1	o	30·33	— ·25	39	39	+ 15	SSE	1	o	≡	b,o	4·0	41	23	—
	Yarmouth ...	30·51	40	SE	3	b	30·35	— ·20	40	38	+ 7	SSE	3	bc	3	b	≡	40	31	—
Germany & Holland.	Cuxhaven ...	30·60	32	SW	1	f	30·47	— ·07	28	28	— 7	Z	o	f	≡	f	≡	36	28	—
	Berlin	30·58	33	NW	2	o	30·48	— ·03	33	32	0	NW	2	r	≡	o	≡	39	30	0·04
	Wiesbaden ...	≡	≡	≡	≡	≡									≡	≡	≡			
	Munich... ..	30·53	31	SE	3	b	30·44	— ·07	24	24	— 10	E	4	f	≡	b	≡	36	23	0·04
	The Helder ...	30·59	32	SSE	1	f	30·44	— ·14	28	28	— 4	S	1	f	1	f	≡	39	27	—
Belgium.	Brussels ...	≡	≡	≡	≡	≡									≡		≡			
	Cape Gris Nez...	30·47	35	SE	2	m	30·36	— ·13	35	34	+ 1	S	1	bc	1	m	≡	43	32	—
	Paris	30·51	44	ENE	2	o	30·40	— ·15	32	31	— 10	E	2	m	≡	o	≡	45	32	—
	Brest	30·43	46	SSE	2	o	30·26	— ·23	47	45	+ 1	SE	3	c	3	o	≡	48	41	—
	Lorient... ...	30·45	40	ESE	4	o	30·33	— ·19	41	40	0	SE	4	bc	3	o	≡	43	34	—
France &	Rochefort ...	30·50	41	SE	2	c	30·37	— ·15	43	43	0	E	4	o	≡	c	≡	52	39	—
	Belfort	30·46	35	E	3	f	30·38	— ·14	27	27	— 9	E	4	m	≡	f	≡	37	27	—
	Lyons	30·43	41	N	2	o	30·34	— ·13	35	33	— 5	N	1	o	≡	o	≡	44	34	—
	Nice	30·32	42	E	1	b	30·25	— ·07	38	33	— 1	E	1	bc	1	b	≡	54	37	—
	Perpignan ...	30·38	43	NW	1	b	30·29	— ·13	32	29	— 12	W	2	b	≡	b	≡	53	31	—
	Biarritz ...	30·38	46	E	3	b	30·26	— ·20	40	38	— 2	SSE	2	b	4	b	≡	50	36	—
Peninsula.	Corunna ...																≡			
	Lisbon	30·36	45	ENE	1	b	30·31	— ·13	42	42	+ 1	NNE	3	m	≡	b	≡	46	39	—
	Azores (P. Delgada)	30·35	57	WNW	3	bc	30·31	— ·07	55	53	+ 1	N	4	c	2	bc	≡	61	36	—

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

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

Bright Sunshine yesterday Southport 5·6 hrs; Brighton ? hrs; Hastings ? hrs; † Eastbourne 4·6 hrs.

WEATHER CHARTS

FOR SUNDAY, 3RD JANUARY, 1897.

BAROMETER, WIND AND SEA.

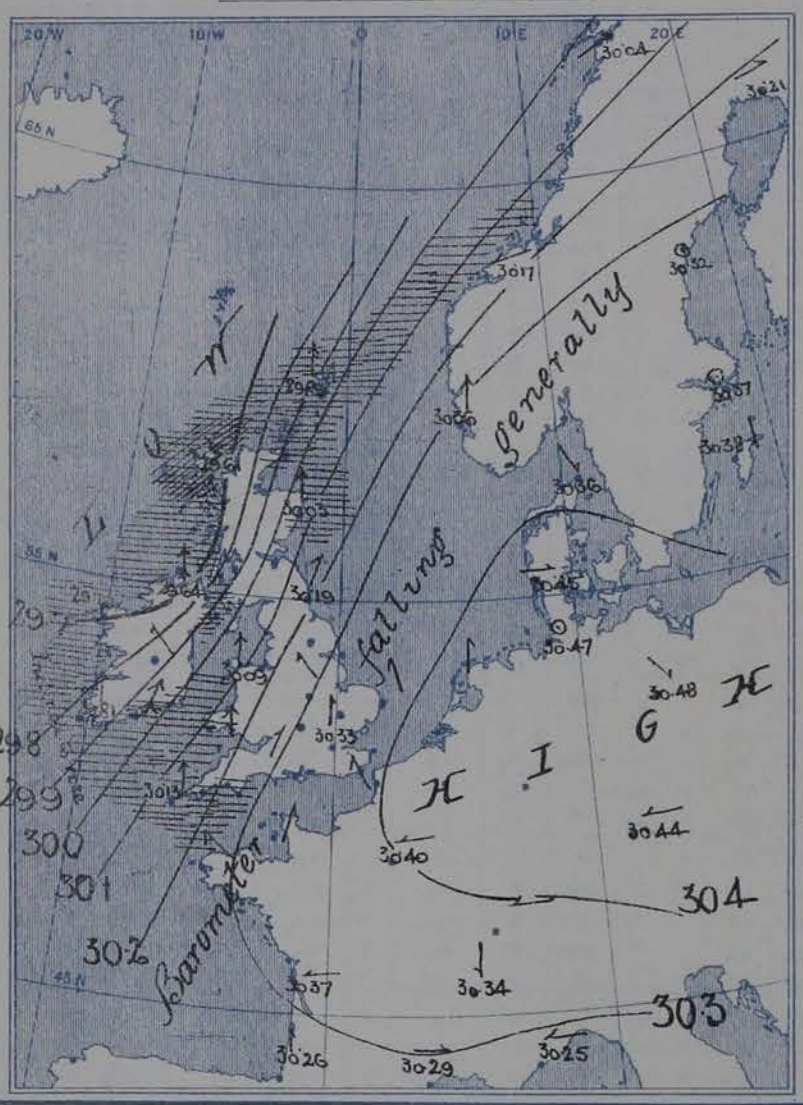
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▦

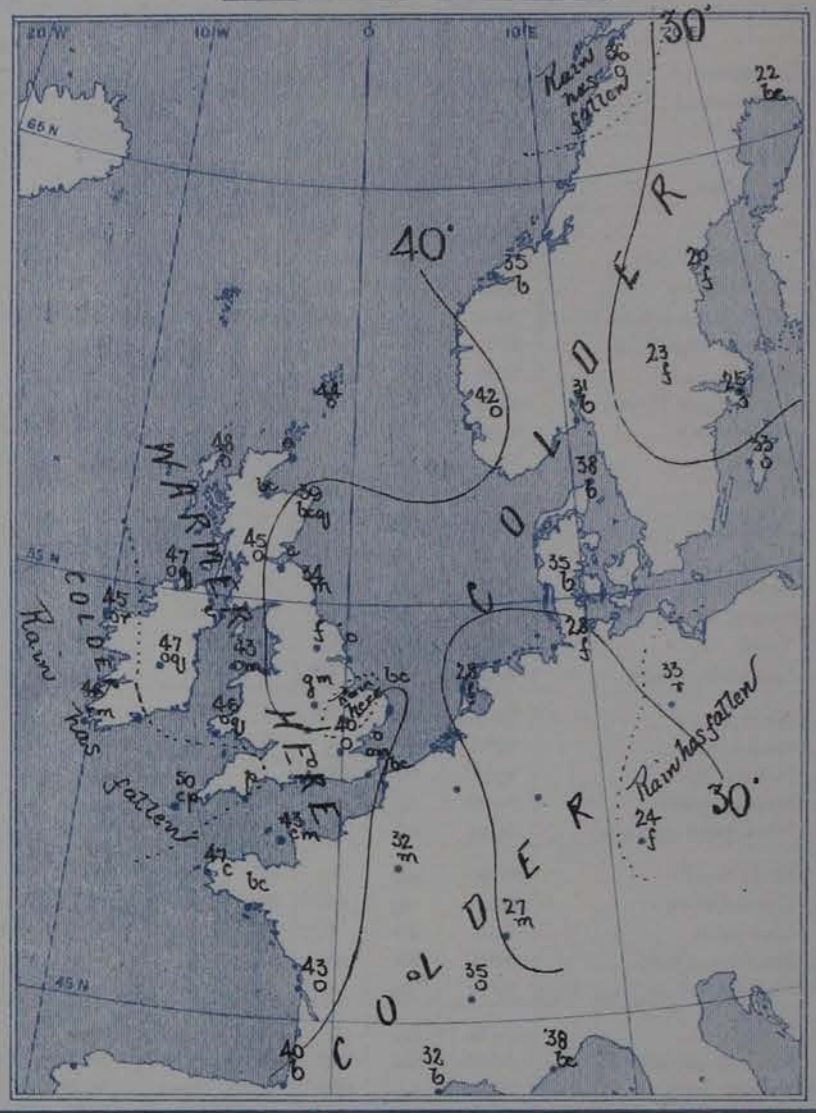


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and upwards, in an anticyclone lying over Denmark, Germany, the Netherlands, and the northeast of France.
Lowest, 29·7 ins: and less, in a depression lying off our extreme northwest coasts.
Gradients steep over the west and north of our Islands and the northern parts of the North Sea, but slight elsewhere.
Barometer falling generally, but inclined to rise at Valencia (Ireland).

TEMPERATURE

Highest, 50° at Scilly, 49° at Roche's Point, 48° at Stornoway, and 47° at Malin Hd, Donaghadee, Parsonstown, and Mullet.
Lowest, 20° at Hernösand, 22° at Haparanda, 23° at Sandø, 24° at Munich, 25° at Stockholm, and 27° at Belfast.
During yesterday the thermometer touched 50° at several of our western and extreme northern stations; in London, however, during the day time it did not exceed 34°.

WIND

S[3] over our Islands and their immediate neighbourhood; strong to a gale in force on our western and extreme northern coasts.
Calm in Sweden, W[3] in Denmark, light from E. over France and South Germany.

WEATHER

Cloudy or dull over the greater part of our Islands, with rain in the west of Ireland, and parting showers in the southwest of England, fine in the east of Scotland.
Foggy over Germany, the Netherlands, and the central parts of Sweden; fine and bright in the south of France.

SEA

Very high at Stornoway, rough or rather so on our southwestern, western, and extreme northern coasts generally; slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 4th JAN: 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH		6 SCOTLAND WEST	
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	NONE ISSUED	8 ENGLAND S.W.	NONE ISSUED
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 9·30 am to districts 7.8. and part of 1 Hoist South Cone. The signals are still flying in districts 0 6.9.10. and the remainder of 1.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·43	45	40	SSW	6	o	4
Sumburgh Head	30·00	44	41	SSW	3	c	5
Stornoway	29·87	46	45	SW	8	o	8
Aberdeen	30·21	42	40	S	3	og	3
Shields	30·37	38	36	SSW	2	bm	2
Ardrossan	30·23	46	45	SSE	5	o	4
Malin Head ...	30·01	48	46	S	6	c	4
Belmullet	30·02	49	48	SW	5	c	*
Holyhead	30·36	43	41	S	5	ogm	4
Valencia	30·15	50	49	S	6	omgt	6
Scilly	30·38	49	47	SSE	5	opm	4
Jersey	30·49	46	44	ESE	2	b	2
Hurst Castle .	30·49	42	40	ENE	3	cm	2
Dungeness ...	30·51	41	41	E	2	bc	1
North Foreland	30·51	39	38	SE	3	o	2
London (Westminster)	30·53	37	36	E	0	fg	*
Yarmouth ...	30·53	40	39	SSE	1	b	2
Rochefort ...							*

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

Weather in morning foggy over the Netherlands and the Central parts of England and France; fine on the east coasts of Great Britain; dull in Ireland, with rain at Rochfort. Fine at most of the Scandinavian and Danish stations, as well as in Italy and the extreme south of France, dull in Spain, and also in many parts of Germany and Russia, with snow at Munich and Kustjis. Fog clearing away later over England, and weather becoming for a time fine and bright; rain falling in the west of Ireland.

Temperature rises in Ireland and Scotland, but falls elsewhere. Morning readings highest 55° at Malta, 54° at Algiers, and 52° at Cagliari; above 45° at most of the Mediterranean and Adriatic stations, and also in Ireland and the extreme southwest of England. Lowest (1) 22° at Haparanda and 25° at Moscow; (2) 24° at Cambridge, and 25° at Loughborough and Oxford; below the freezing point over the inland parts of England generally. Daily maxima below 40° at many English stations but thermometer exceeding 45° in the west and north of our Islands, and reaching 50° even as far north as Stornoway and Nairn.

Wind moderate to fresh from the S^ds on our western coasts; SW^l in Scotland and the west of Norway, with a moderate gale at Stornoway; light from the W^ds over Sweden, Denmark, and Germany. Calm or variable over Central England; light from the E^ds over the Channel and west and south of France, and from the NE^ds over Spain and Italy. Variable in Austria and the south of Russia. Subsequently increasing to a strong breeze from the S^ds on our western coasts; light SE^ly breezes setting in over Central England.

Barometer highest 30·5 ins: and upwards in an anticyclone lying over Germany, the Netherlands, the greater part of England, and all but the northern parts of France. Lowest 28·6 ins: and less. in a depression over Finland; 30·0 ins: and less. in another disturbance off the northwest of Scotland. Anticyclone subsequently moving slowly eastwards; fresh depressions appearing off the west of Ireland, 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.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 4th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·36	29	SW	2	f	30·51	+·30	24	23	+ 2	S	2	s	*	fr snow	*	30	9	-
	Hernösand ...	30·41	25	W	0	f	30·50	+·18	27	24	+ 7	S	2	0	*		*	27	14	-
	Stockholm ...	30·42	24	W	0	f	30·47	+·10	30	30	+ 5	W	0	0	*		*	?	?	-
	Wisby	30·36	31	ENE	4	c	30·41	+·03	30	29	- 3	ESE	4	b	*	c	*	37	27	0·04
	Karlstad ...	30·36	26	NW	2	f	30·42	+·08	29	28	+ 6	SE	2	0	*	fr	*	*	*	-
	Bodö	30·15	41	SW	1	0	30·14	+·10	38	35	+ 2	ESE	2	b	1	0	*	43	36	-
	Christiansund ...	30·09	36	SE	3	b	30·12	-·05	32	31	- 3	ESE	1	m	4	b	*	36	32	-
	Skudesnaes ...	30·24	42	SSE	6	o	30·17	-·19	42	38	0	SSE	6	0	4	0	*	43	39	*
	Færder (Christiania Fjord)	30·30	30	NE	2	m	30·34	+·01	27	26	- 4	N	2	m	2	m	*	32	27	-
	Skagen (The Scaw)	30·32	35	W	0	b	30·34	-·02	36	35	- 2	N	1	0	0	b	*	39	34	-
	Fanö	30·35	34	SE	2	o	30·30	-·15	33	32	- 2	SE	2	c	*	o	*	36	32	-
British Islands.	Sumburgh Head	29·77	43	S	6	o	29·82	-·07	45	44	+ 1	S	3	o	6	o	*	45	42	0·01
	Stornoway ...	29·61	45	WSW	5	r	29·67	+·06	44	41	- 4	SW	6	o	6	rq	0·0	48	39	0·16
	Wick	29·71	43	SW	2	c	29·78	-·05	43	42	- 2	SW	2	c	3	c	*	45	40	-
	Nairn	29·69	46	WSW	2	bc	29·79	-·05	38	37	- 8	W	0	b	1	bc	*	47	37	-
	Aberdeen ...	29·90	43	SSE	4	bcq	29·90	-·13	43	41	+ 4	S	S	ogq	6	o.bcq	0·0	44	39	-
	Leith	29·91	43	SSE	4	o	29·88	-·17	42	41	0	S	1	0	*	0	*	48	40	0·03
	Shields	30·07	38	SSE	2	b	29·98	-·21	37	36	+ 3	SW	4	c	2	b	*	39	32	-
	Spurn Head ...	30·19	40	S	4	bc	30·11	-·17	35	35	- 3	SSE	5	ow	4	bc of	*	41	34	-
	York	30·13	39	S	2	bc	30·08	-·18	34	33	+ 1	SSE	2	bc	*	o.bc	0·2	39	32	-
	Loughborough ...	30·21	41	S	3	c	30·11	-·19	35	34	- 1	SSE	4	c	*	c	*	42	33	-
	Ardrossan ...	29·84	46	S	5	r	29·87	-·10	41	41	- 4	SE	2	b	2	r	*	46	40	0·14
	Malin Head ...	29·74	43	S	4	o	29·74	+·10	39	38	- 8	SSW	4	b	3	o	*	49	37	0·04
	Belmullet ...	29·77	44	WSW	3	b	29·73	+·03	44	43	- 1	SW	3	c	*	b	*	45	40	0·52
	Donaghadee ...	29·86	44	SSW	6	r	29·89	-·08	37	37	- 10	SW	S	b	3	r	*	49	36	0·11
	Liverpool (Bidston)	30·09	41	ESE	2	c	29·98	-·22	40	38	+ 4	SE	4	o	3	c	*	41	35	-
	Holyhead ...	29·99	47	ENE	6	o	29·94	-·15	44	42	+ 1	SW	3	c	2	o	*	47	42	0·23
	Parsonstown ...	29·88	41	S	1	o	29·87	+·01	36	35	- 11	SE	2	b	*	or.b	0·0	49	34	0·14
	Valencia ...	29·88	43	SW	2	cp	29·82	+·01	43	42	- 3	SSW	5	op	5	cp	1·4	47	38	0·30
	Roche's Point ..	29·94	45	WSW	2	or	29·90	-·06	45	43	- 4	SW	3	bc	4	or.p	*	50	40	0·40
	Pembroke (St. Ann's Hd.)	30·01	46	SSW	6	r	29·96	-·18	45	44	- 1	WSW	3	oq	5	c.r	1·2	48	44	0·37
	Scilly	30·02	50	S	6	o	29·93	-·20	47	46	- 3	W	1	c	5	o.r	1·9	52	43	0·39
	Prawle Point ...	30·18	45	S	6	c	30·06	-·20	44	43	- 1	S	6	o	5	o.c	*	47	43	0·01
	Jersey (St. Anbin's)	30·25	44	SSE	4	oq	30·16	-·19	39	37	- 4	SE	3	c	3	o.oq	*	46	37	-
	Hurst Castle ...	30·25	45	S	4	o	30·14	-·17	40	38	- 4	S	3	o	2	o	*	47	39	-
	Dungeness ...	30·29	41	SSW	3	b	30·17	-·19	37	34	- 4	S	3	bc	1	b	*	42	33	-
	North Foreland	30·31	40	S	2	b	30·21	-·18	36	35	- 4	S	2	c	2	bc.b	*	42	34	-
	London (Brixton) ...	30·27	41	S	2	bc	30·16	-·17	36	35	- 4	S	2	c	*	o.c.b	0·0	45	34	-
	Oxford	30·23	38	SW	3	b	30·14	-·18	35	34	+ 1	SSE	2	c	*	bc.o.b	*	44	34	-
	Cambridge ...	30·26	37	ENE	1	b	30·16	-·17	34	33	- 5	S	1	b	*	o.b	0·0	43	32	-
	Yarmouth ...	30·29	39	S	3	b	30·19	-·16	38	37	- 2	S	2	bcm	3	b	*	41	35	-
Germany & Holland.	Cuxhaven ...	30·36	27	W	0	f	30·30	-·17	27	27	- 1	E	1	0	*	f	*	30	27	-
	Berlin	30·32	33	NW	3	o	30·28	-·20	33	33	0	NNE	3	o	*	o	*	36	32	0·04
	Wiesbaden ...	*	*	*	*	*	30·32		22	21		NE	1	o	*	*	*	36	21	-
	Munich... ..	30·30	26	SW	2	o	30·28	-·16	23	23	- 1	NW	3	o	*	o	*	28	23	-
	The Helder ...	30·35	30	W	0	f	30·28	-·16	27	27	- 1	NNE	1	f	1	f	*	30	27	-
Belgium.	Brussels ...	*	*	*	*	*	30·28		31	27		ESE	2	b	*	b	*	35	23	-
	Cape Gris Nez...																*			
	Paris	30·32	33	NE	2	b	30·25	-·18	26	25	- 6	SE	1	b	*	b	*	40	24	-
	Brest	30·16	48	SSE	4	bc	30·02	-·24	50	48	+ 3	SSE	4	r	4	bc	*	50	43	-
	Lorient... ...	30·23	45	ESE	5	o	30·13	-·20	43	41	+ 2	SSE	5	c	5	o	*	50	36	-
France &	Rochefort ...	30·21	43	E	3	o	30·25	-·03	40	38	- 3	SE	3	o	*	o	*	48	37	-
	Belfort	30·32	29	E	5	m	30·32	-·06	23	23	- 4	ESE	3	m	*	m	*	35	22	-
	Lyons	30·34	30	N	1	o	30·34	·00	29	28	- 6	S	1	o	*	o	*	36	29	-
	Nice	30·21	39	W	0	b	30·23	-·02	35	31	- 3	E	1	b	1	b	*	46	32	-
	Perpignan ...	30·25	42	W	2	o	30·25	-·04	28	27	- 4	SW	2	b	*	o	*	48	28	-
	Biarritz ...	30·22	44	ENE	2	b	30·18	-·08	36	34	- 4	SSE	2	b	4	b	*	48	36	-
Peninsula.	Corunna ...																*			
	Lisbon	30·28	44	NNE	2	o	30·25	-·06	37	36	- 5	NE	4	bc	*	o	*	46	37	-
	Azores (P. Delgada)	30·28	53	NW	3	c	30·14	-·17	52	47	- 3	NW	3	c	2	c	*	59	48	-

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; Brighton 0·2 hrs; Hastings 0·5 hrs; Eastbourne 0·9 hr.

WEATHER CHARTS

FOR Monday, 4th January, 1897.

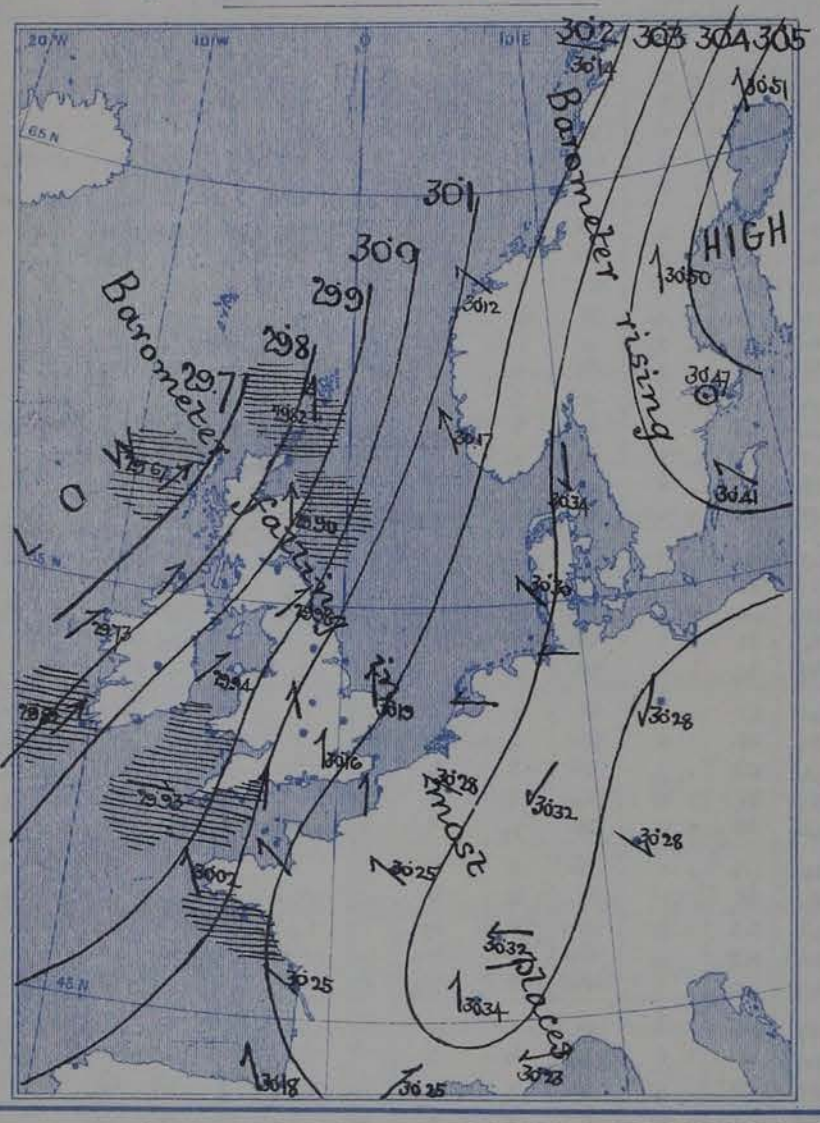
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▒ ; *High* ▓


20 W
10 W
0
10 E
65 N
55 N
45 N
Barometer falling
Barometer rising
HIGH
LOW
Calm
Rain
Rain
Rain

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and upwards over the Gulf of Bothnia; 30·3 ins: and upwards, in an anticyclonic band extending from Northern Europe over the Baltic and Germany.
Lowest, 29·7 ins: and less, in a depression lying off the northwest of Scotland.
Gradients moderate or slight generally.
Barometer changing rather irregularly, but falling a little in most places

TEMPERATURE

Highest, 50° at Brest, 47° at Scilly, 45° at Lerwick, Flamborough Head, Roche's Pt. and Pembroke, and 44° at Stornoway, Belmullet, Holyhead, and Prawle Point.
Lowest, 22° at Wiesbaden, 23° at Belfast and Munich, and 26° at Paris; lowest in our Islands 34° at York and Cambridge.
Slight frost occurred last night in many parts of England; at Loughborough the thermometer on the grass fell to 28°.

WIND

S^{w} (SE^{l} to SW^{l}) over Western Europe as a whole; light to fresh in force generally, but strong in the Hebrides and also at Prawle Point.
Light from the N^{w} in Germany, and from the E^{ly} in the Netherlands.

WEATHER

Varied greatly in different places; fine at many of the Irish and Scotch stations, as well as in the east and south of France but cloudy or overcast in most other localities, with passing showers at Valencia (Ireland). Snow is falling at Haparanda.

SEA

Rough off the north of Scotland and rather rough on our extreme southwest coasts as well as at Lorient, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer noticed last evening in the west has been succeeded by a fresh fall, and new depressions are evidently about to travel northwards along our extreme western coasts. Increasing S^{w} winds and rainy unsettled weather are probable in the west and north of our Islands generally.

FORECASTS

For the 24 hours ending at NOON on 5th JAN 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^{w} winds, increasing in force; fair at first, some rain later.
↑ 1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S^{w} winds, moderate or fresh; cloudy, some cold showers.
6	SCOTLAND WEST	Same as Nos 0 and 1.
↑ 7	ENGLAND N.W.	SW^{w} to S^{w} winds, increasing in force; fair at first, some rain later.
↑ 8	ENGLAND S.W.	
9	IRELAND NORTH	Same as Nos 0 and 1.
10	IRELAND SOUTH	
	WARNINGS	The signals are still flying in districts 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 ...	30·29	42	40	SSE	7	o	5
Sumburgh Head							
Stornoway	29.55	47	46	SW	9	7	9
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29·71	44	43	S	5	0	3
Belmullet	29·73	45	43	WSW	3	6	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·28	46	42	SSE	4	o	3
Hurst Castle ...							
Dungeness ...	30·30	42	41	SSW	3	6	2
North Foreland	30·34	42	40	SE	3	6c	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·32	48	45	ESE	3	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 DEC. 96 TO THE 2ND JAN. 97.

The weather of last week remained in a very changeable condition, frequent falls of rain being interspersed by fairly long intervals of Bright Sunshine.

During the early part of the week barometric pressure was highest over France and Spain, and lowest in a series of depressions which skirted our extreme northwestern and northern coasts, the prevailing winds being SW[1] or W[3], and strong in force in the west and north. On the 28th January a well marked secondary disturbance advanced Eastwards across the northern parts of Ireland and England, and afterwards passed on to Western Germany, its progress being attended by moderate to fresh gales on several parts of our southern coasts.

At the commencement of the new year, however, the anticyclone to the southward of our Islands spread northwards, and for a short time embraced nearly the whole Kingdom, the winds falling light and the weather improving with a decided fall of temperature. On the night of the 1st a sharp frost occurred over the inland parts of England, the sheltered thermometer falling to 23° both at Loughborough and Cambridge. At the close of the week however the high pressure system was beginning to move away to the southeastward, and depressions were again approaching our western and northern coasts. Increasing S[3] and SW[3] winds and cloudy unsettled weather were consequently reported in Ireland and Scotland, with a decided rise of temperature.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 5th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperatures.			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 ...	30·55	26	S	2	o	30·69	+ ·08	26	26	+ 2	S	2	s	*	o	*	30	16	0·04
	Hernösand ...	30·52	27	SE	o	o	30·52	+ ·02	31	31	+ 4	S	4	s	*	o	*	31	23	0·04
	Stockholm ...	30·49	31	E	2	s	30·52	+ ·05	32	31	+ 2	SE	2	o	*	s	*	32	23	0·04
	Wisby	30·42	31	SE	4	o	30·49	+ ·08	28	27	— 2	SE	4	b	*	o	*	32	25	0·04
	Karlstad ...	30·43	30	ESE	2	o	30·41	— ·01	30	28	+ 1	SE	2	o	*	o,s	*	*	*	?
	Bodö	30·22	28	E	4	b	30·23	+ ·09	28	26	— 10	E	4	b	1	b	*	38	25	—
	Christiansund ...	30·15	32	ESE	3	b	30·13	+ ·01	35	31	+ 3	SE	4	c	4	b	*	36	32	—
	Skudesnaes ...	30·19	39	SSE	8	o	30·14	— ·03	36	32	— 6	SE	7	o	5	o	*	42	34	*
	Færder (Christiania Fjord)	30·38	32	E	4	o	30·35	+ ·01	34	32	+ 7	SE	3	c	2	o	*	34	27	—
	Skagen (The Scaw)	30·35	34	SSE	2	o	30·34	·00	34	32	— 2	SE	3	o	o	o	*	37	32	0·04
	Fanö	30·26	32	ESE	2	o	30·23	— ·07	31	30	— 2	ESE	4	c	*	o	*	34	30	—
British Isles	Sumburgh Head	29·81	43	S	3	o	29·74	— ·08	42	42	— 3	S	4	o	6	o	*	45	42	0·03
	Stornoway ...	29·69	42	SSW	5	r	29·70	+ ·03	35	35	— 9	E	o	bc	o	c,r	1·2	45	33	0·20
	Wick	29·77	42	S	5	bc	29·73	— ·05	39	38	— 4	SW	2	bc	2	bc	*	43	38	0·01
	Nairn	29·77	41	SSW	3	c	29·75	— ·04	35	35	— 3	E	o	b	1	c	*	45	32	—
	Aberdeen ...	29·87	39	SSW	2	bw	29·81	— ·09	37	36	— 6	SW	3	bw	3	orgq.bw	0·0	44	35	0·02
	Leith	29·87	39	SW	2	b	29·82	— ·06	38	37	— 4	SW	1	bw	*	b	*	46	36	—
	Shields	29·93	37	SW	3	op	29·88	— ·10	35	35	— 2	SW	2	ow	2	o,p,r	*	39	32	0·21
	Spurn Head ...	30·01	36	S	3	c	29·93	— ·18	37	36	+ 2	SW	3	ow	3	o,c,bw	*	37	34	0·03
	York	29·98	37	SSE	2	r	29·94	— ·14	35	35	+ 1	S	1	f	*	r	0·0	39	33	0·14
	Loughborough ...	30·01	37	SSE	3	o	29·96	— ·15	36	36	+ 1	WSW	1	cw	*	c,ob,cw	*	38	34	0·03
	Ardrossan ...	29·84	40	ENE	2	b	29·81	— ·06	42	42	+ 1	SSE	4	c	3	b	*	45	37	0·11
	Malin Head ...	29·71	42	SSW	4	o	29·75	+ ·01	35	35	— 4	S	3	b	2	o	*	44	35	—
	Belmullet ...	29·69	42	SSW	4	or	29·74	+ ·01	37	36	— 7	ESE	3	o	*	or	*	44	33	0·53
	Donaghadee ...	29·84	41	S	4	b	29·83	— ·06	30	30	— 7	NW	3	b	1	b	*	45	30	0·08
	Liverpool (Bidston)	29·93	40	SE	2	ow	29·89	— ·09	38	36	— 2	SSE	2	o	3	ow	*	42	36	—
	Holyhead ...	29·89	43	S	1	b	29·85	— ·09	43	42	— 1	SSE	2	of	1	cw,b	*	45	41	0·15
	Parsonstown ...	29·78	41	S	2	p	29·79	— ·08	31	31	— 5	E	o	b	*	bc,p	2·0	44	31	0·15
	Valencia ...	29·78	44	SW	3	bp	29·70	— ·12	43	39	0	ESE	3	bc	4	cp.bp	0·4	48	38	0·29
	Roche's Point ...	29·82	44	SW	4	r	29·77	— ·13	39	39	— 6	N	2	f	4	p	*	49	34	0·05
	Pembroke (St. Ann's Hd.)	29·91	46	WSW	3	bc	29·84	— ·12	46	44	+ 1	SW	4	bc	4	bc	?	46	44	0·15
	Scilly	29·92	47	SSW	3	c	29·80	— ·13	47	45	0	S	4	bc	4	bc.c	4·0	51	44	—
	Prawle Point ...	29·91	44	SW	4	c	29·89	— ·17	44	43	0	SSE	2	c	2	cp.c	*	46	42	0·08
	Jersey (St. Aubin's)	30·06	44	SSE	3	og	29·97	— ·19	43	41	+ 4	SE	6	og	5	og,rs	*	44	38	0·27
	Hurst Castle ...	30·04	43	S	4	o	29·95	— ·19	45	43	+ 5	SSW	4	rm	2	o.ow	*	46	40	0·09
	Dungeness ...	30·08	38	S	3	o	29·99	— ·18	42	41	+ 5	S	4	op	3	c	*	42	35	—
	North Foreland	30·12	37	S	3	o	30·01	— ·20	40	40	+ 4	S	3	o	2	o	*	40	35	—
	London (Brixton) ...	30·07	35	S	2	o	29·98	— ·18	43	42	+ 7	SSE	1	rgm	*	o.bc	0·0	43	34	0·07
	Oxford	30·01	38	SE	3	o	29·97	— ·17	39	39	+ 4	SSE	1	of	*	o	*	40	34	—
	Cambridge ...	30·07	34	S	1	bw	29·98	— ·18	38	38	+ 4	SSW	1	f	*	bw	0·0	38	31	—
	Yarmouth ...	30·07	37	S	3	c	29·99	— ·20	38	37	0	S	3	ogw	3	bc.c	*	40	33	0·01
Germany & Holland	Cuxhaven ...	30·26	27	S	1	o	30·19	— ·11	27	27	0	SSE	4	o	*	o	*	28	27	—
	Berlin	30·27	33	WNW	2	o	30·34	+ ·06	30	29	— 3	SSE	2	o	*	o	*	36	28	—
	Wiesbaden ...	*	*	*	*	*	30·26	— ·06	25	24	+ 3	NE	1	o	*	*	*	27	22	—
	Munich	30·26	24	W	2	c	30·27	— ·01	16	16	— 7	E	3	b	*	c	*	27	16	—
	The Helder ...	30·16	27	ESE	1	w	30·08	— ·20	30	29	+ 3	SSE	1	w	1	w	*	30	25	—
Belgium & France	Brussels ...	*	*	*	*	*	30·13	— ·15	32	31	+ 1	S	3	o	*	b	*	40	29	—
	Cape Gris Nez ...	30·10	31	SSE	2	o	30·02		35	34		S	2	o	2	o	*	37	30	—
	Paris	30·23	33	SSW	2	o	30·12	— ·13	32	31	+ 6	S	2	o	*	o	*	38	26	—
	Brest	30·01	48	SW	3	c	29·86	— ·16	46	45	— 4	ESE	3	c	3	c	*	50	41	0·42
	Lorient	30·04	49	S	5	o	29·95	— ·18	48	48	+ 5	SSE	5	o	5	o	*	49	43	0·43
	Rochefort ...	30·20	43	SSE	3	o	30·09	— ·16	37	37	— 3	SE	4	b	*	o	*	45	34	—
	Belfort	30·26	24	E	2	w	30·21	— ·11	20	20	— 3	E	1	w	*	w	*	30	19	—
	Lyons	30·30	28	E	1	o	30·23	— ·11	29	28	0	NNW	1	c	*	o	*	35	26	—
	Nice	30·19	38	E	1	b	30·32	+ ·09	36	33	+ 1	ENE	3	bc	1	b	*	48	34	—
	Perpignan ...	30·21	36	SW	1	b	30·17	— ·08	32	31	+ 4	SW	1	b	*	b	*	48	28	—
	Biarritz ...	30·12	42	ESE	4	b	30·01	— ·17	44	39	+ 8	S	4	b	5	b	*	52	36	—
Peninsula	Corunna ...																*			
	Lisbon	30·16	45	E	4	bc	30·01	— ·24	42	41	+ 5	ENE	3	o	*	bc	*	50	37	—
	Azores (P. Delgada)	30·00	64	NW	4	bc	29·85	— ·29	59	57	+ 7	SW	5	o	5	bc	*	59	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 0·0 hrs; Brighton 0·0 hrs; Hastings 0·4 hrs; Eastbourne 0·0 hrs.

WEATHER CHARTS

FOR Tuesday 5th January, 1897.

BAROMETER, WIND AND SEA.

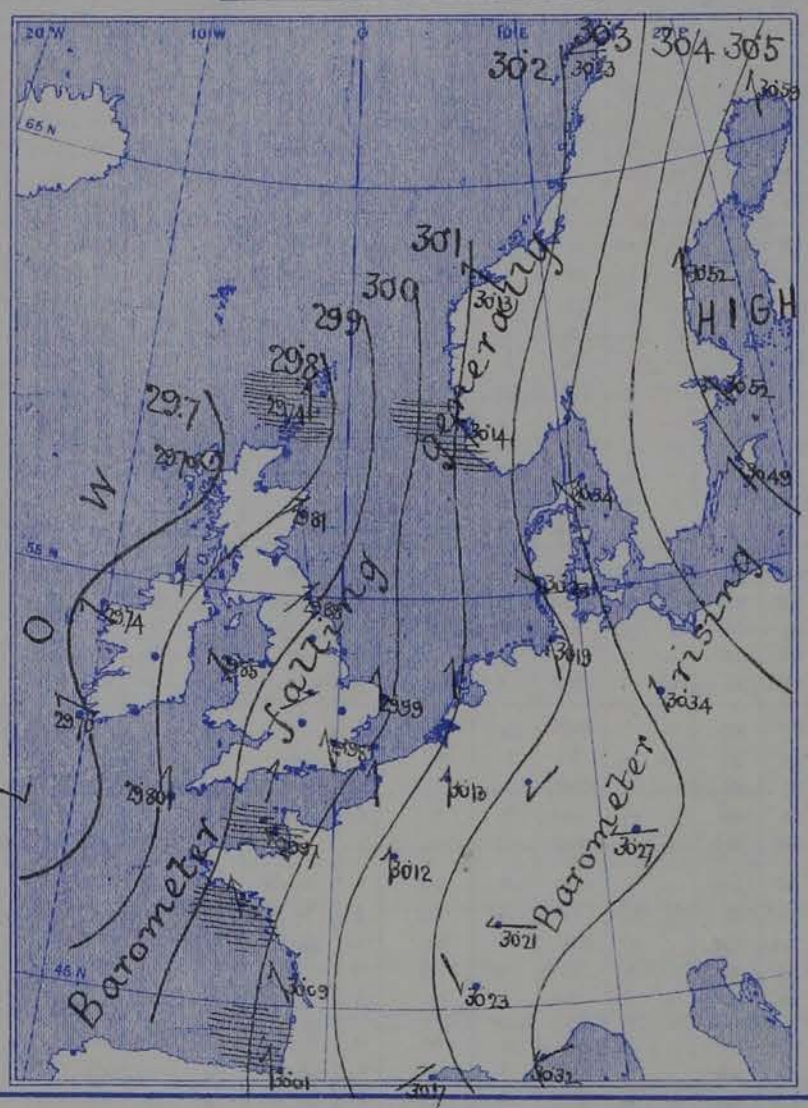
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ; Force 1 to 4 ; }

SEA—Rough ; High

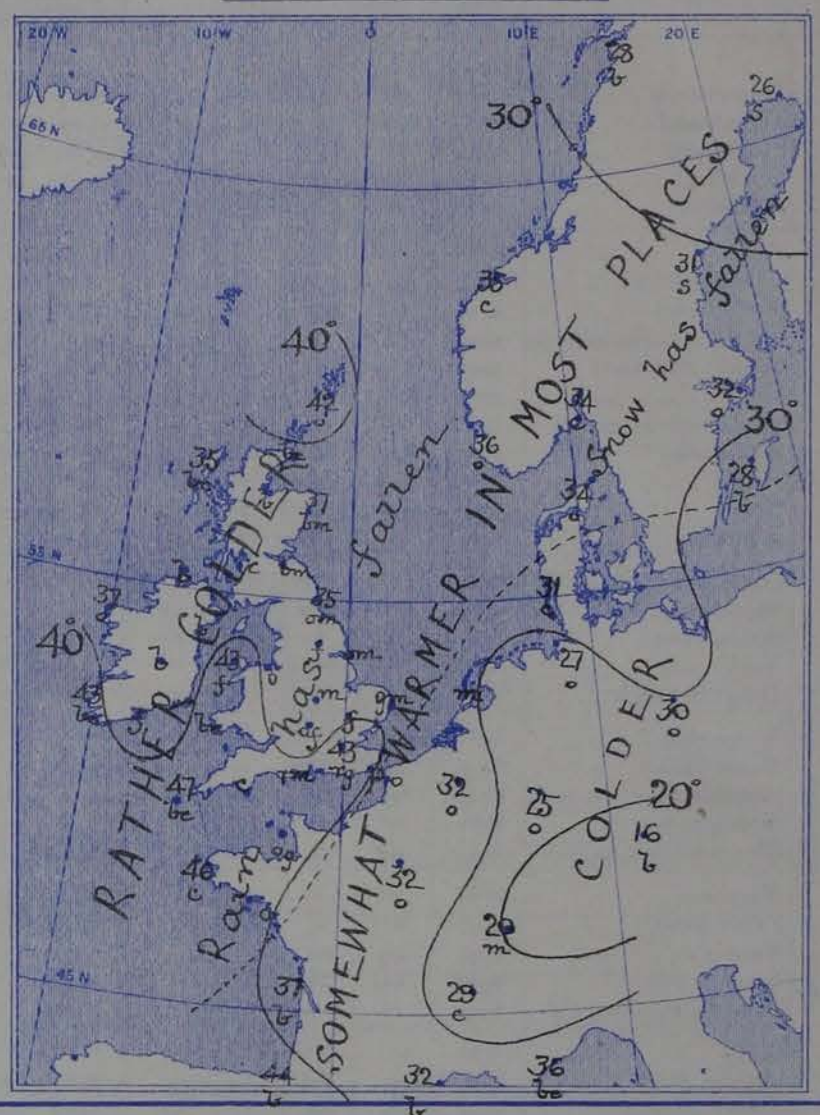


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	--	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 an anticyclone lying over the Gulf of Bothnia and the N. parts of the Baltic
Lowest 29.7 ins. and less in two depressions lying respectively to the NW. and SW. of our Islands.
Gradients moderate or slight generally.
Barometer falling in most places, but rising a little in Germany and the south of Sweden.

TEMPERATURE

Highest 48° at Lorient, 47° at Scilly, 46° at Pembroke and Brest; 45° at Hurst Castle, and 44° at Prawle Pt. & Biarritz.
Lowest (1) 16° at Munich, 20° at Belfort, and 25° at Wiesbaden; (2) 26° at Haparanda, and 28° at Bodo and Wisby; (3) 30° at Donaghadee.
Slight frost occurred last night in several parts of the United Kingdom, the lowest shade reading reported being 30° at Donaghadee.

WIND

S. or SE. over western Europe as a whole; light or moderate in force generally, but blowing a moderate gale at Skudesnaes.
Calm or SW. in Scotland; variable in the south of France.

WEATHER

Fine in the W. and N. parts of our Islands generally, and also over the S. parts of France & Germany.
Cloudy or dull in most other localities, with fog or mist in the N. and E. of England, rain over our southeastern counties, and snow over the northern parts of Sweden.
In the course of the past 24 hours rain has fallen at most of our own stations, and also in the NW. of France. Snow has fallen in Sweden.

SEA

Rough at Sumburgh Hd., and rather rough at Jersey, and in the Bay of Biscay, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further depressions are apparently advancing from the SW., and unsettled weather is therefore likely to continue in most districts, with freshening SE. winds in the west.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW. to SE. winds, light or moderate; fine at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S. and SE. winds, moderate, some rain at first, improving temporarily later.
6	SCOTLAND WEST	S. and SE. winds, freshening; fair at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·22	41	39	SSE	6	o	4
Sumburgh Head	29·82	44	43	S	3	o	5
Stornoway	29·66	45	42	S	6	c	6
Aberdeen	29·89	42	41	SSW	3	og	5
Shields	29·96	38	37	SW	4	o	2
Ardrossan	29·84	45	44	S	2	b	2
Malin Head ...	29·73	42	41	SSW	4	bc	3
Belmullet	29·70	43	42	S	4	or	*
Holyhead	29·91	45	44	S	2	cm	1
Valencia	29·74	47	45	S	3	cp	5
Scilly	29·94	50	46	SW	3	bc	4
Jersey	30·08	42	41	NE	4	o	3
Hurst Castle ...	30·08	41	39	S	3	o	2
Dungeness ...	30·10	38	35	S	3	c	2
North Foreland	30·15	37	36	S	2	o	2
London (Westminster)	30·11	39	36	S	2	o	*
Yarmouth ...	30·11	40	38	S	3	bc	3
Rochefort ...	30·22	43	41	SSE	3	o	*

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

Weather in morning varied greatly in different parts of W^rn Europe, but was mostly cloudy or overcast, with passing showers at Valencia (Ireland). Fine at many of the Irish and Scotch stations, and also over the Spanish peninsula the S. of France and N^rn Italy. Dull over the N^rn, E^rn and central parts of the Continent generally, with snow at Haparanda, Breslau and Kiev. Rain falling later in most parts of our Islands and the N.W. of France, and snow in Sweden.

Temperature fallen generally, but risen over Sweden and Finland. Morning reading, highest (1) 52° at Malta and Algiers, 51° at La Calle, and 48° at Cagliari, (2) 50° at Brest, and 49° at Coruna. Lowest (1) 16° at Kharkow, 14° at Moscow, 18° at Archangel, and 19° at Ulealborg (2) 21° at Munster, and 22° at Wiesbaden; below the freezing point over N^rn and central Europe generally, and very little above it over central England. Daily maxima below 40° at several of the English stations, but touching 45° on the Scotch coasts, and exceeding that point on our S.W. coasts generally.

Wind SW.$^{\frac{1}{4}}$ in Ireland and the Hebrides, but S.$^{\frac{1}{4}}$ or SE.$^{\frac{1}{4}}$ in nearly all other parts of W^rn and N^rn Europe. E.$^{\frac{1}{4}}$ in the west and south of Russia, N.$^{\frac{1}{4}}$ or NW.$^{\frac{1}{4}}$ in Germany, and also in Italy; variable in Austria. No important change occurring over W^rn Europe during day.

Barometer Highest 30·7 ins. and upwards over central Russia, 30·3 ins. and upwards in an anticyclone covering the greater part of N^rn and E^rn Europe, and extending in the form of a narrow band across Germany to the E. of France. Lowest 29·7 ins. and less in a depression lying to the NW^nd of our Islands; 30·2 ins. and less in a shallow system over Poland and E^rn Germany. No important change occurring over W^rn Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 6th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30.65	25	S	2	0	30.65	+.06	26	26	0	SW	2	0	*	0	*	28	23	-
	Hernösand ...	30.57	30	SE	4	S	30.62	+.10	29	28	-2	W	0	0	*	S	*	34	25	0.16
	Stockholm ...	30.61	31	SE	2	S	30.62	+.10	30	28	-2	W	0	0	*	S	*	32	28	0.24
	Wisby	30.55	29	SE	4	0	30.58	+.09	28	27	0	ESE	4	0	*	0	*	34	25	0.04
	Karlstad ...	30.47	31	SE	4	0	30.54	+.13	31	30	+1	E	2	0	*	0	*	*	*	-
	Bodö	30.30	33	E	4	c	30.32	+.09	33	30	+5	E	4	0	1	c	*	34	28	-
	Christiansund ...	30.18	38	S	3	b	30.29	+.16	35	34	0	ESE	3	b	3	b	*	36	32	-
	Skudesnaes ...	30.17	37	SSE	8	0	30.25	+.11	37	38	+1	SSE	4	c	4	0	*	37	34	*
	Færder (Christiania Fjord)	30.39	32	E	5	0	30.47	+.12	32	31	-2	E	5	0	3	0	*	34	32	-
	Skagen (The Scaw)	30.36	34	SE	4	0	30.42	+.08	34	33	0	SSE	5	0	2	0	*	36	34	-
	Fanö	30.20	30	ESE	6	c	30.22	-.01	30	29	-1	ESE	6	b	*	c	*	32	28	-
	Sumburgh Head	29.83	42	W	0	b	29.97	+.23	42	41	0	SSE	4	0	6	b	*	44	40	0.02
	Stornoway ...	29.76	41	SW	3	c	29.71	+.01	39	38	+4	ESE	3	c	3	bc, c	1.2	42	32	0.03
	Wick	29.80	38	S	3	bc	29.86	+.13	43	43	+4	SE	7	ru	5	bc	*	43	36	-
	Nairn	29.79	32	E	1	b	29.77	+.02	39	38	+4	E	1	0	1	b	*	45	28	-
	Aberdeen ...	29.86	35	SSW	1	bmw	29.87	+.06	43	42	+6	SE	4	ogqr	5	bm	3.2	43	33	0.01
	Leith	29.83	38	SW	1	bc	29.74	-.08	42	41	+4	ESE	3	0	*	bc	*	44	36	-
	Shields	29.85	39	SW	2	0	29.78	-.10	42	41	+7	SE	5	0	4	cm.p†	*	42	34	0.02
	Spurn Head ...	29.89	40	ESE	4	om	29.77	-.16	39	38	+2	ESE	5	0	4	om.f	*	41	37	-
	York	29.93	37	S	1	0	29.78	-.16	37	36	+2	ESE	1	0	*	0	0.0	39	34	0.03
	Loughborough ...	29.87	41	SE	2	0	29.75	-.21	35	34	-1	SE	2	og	*	c, mg, p	*	41	34	0.01
British Islands.	Ardrossan ...	29.76	39	NE	1	rm	29.63	-.18	42	41	0	NE	3	om	2	c. rm	*	42	37	0.03
	Malin Head ...	29.61	40	SSE	4	c	29.46	-.29	42	41	+7	SE	5	om	3	c	*	44	35	0.04
	Belmullet ...	29.50	40	SE	4	bc	29.27	-.47	44	43	+7	SSE	8	c	*	c, bc	*	50	34	-
	Donaghadee ...	29.70	45	S	5	bc	29.56	-.27	42	40	+12	SE	7	0	5	bc	*	45	29	0.20
	Liverpool (Bidston)	29.79	40	ESE	3	0	29.63	-.26	36	35	-2	E	4	0	?	lp, 0	*	42	35	-
	Holyhead ...	29.72	40	SE	2	om	29.52	-.33	43	40	0	E	3	om	2	d, b, cm	*	45	39	0.03
	Parsonstown ...	29.54	43	SE	2	c	29.31	-.48	45	44	+14	SE	3	r	*	bc, c	4.0	46	30	0.14
	Valencia ...	29.34	47	ESE	7	0	28.99	-.71	50	47	+7	ESE	8	qr	6	0	0.3	52	41	0.25
	Roche's Point ..	29.47	48	SE	7	c	29.18	-.59	49	49	+10	SSE	8	fqr	6	f, cqr	*	49	39	0.45
	Pembroke (St. Ann's Hd.)	29.62	44	SE	5	r	29.42	-.42	44	43	-2	SE	7	cqr	5	bc, r	4.5	46	40	0.20
	Scilly	29.50	50	SSE	6	r	29.23	-.57	50	50	+3	SSE	7	r	5	0, r	0.9	50	45	0.25
	Prawle Point ...	29.72	45	SSE	5	0	29.48	-.41	45	44	+1	SSE	6	cu	5	op	*	46	42	0.04
	Jersey (St. Aubin's)	29.83	42	SSE	5	og	29.58	-.39	45	43	+2	SE	7	b	5	c, 0	*	45	40	-
	Hurst Castle ...	29.83	43	S	4	0	29.63	-.32	45	42	0	ESE	4	c	2	rm, 0	*	45	41	0.11
	Dungeness ...	29.94	37	SSE	4	0	29.76	-.23	42	41	0	SSE	4	c	3	r. 0	*	42	34	0.02
Germany & Holland.	North Foreland	29.97	38	S	3	0	29.80	-.21	40	39	0	SE	4	c	3	0	*	40	34	0.11
	London (Brixton) ...	29.91	39	SSE	3	0	29.75	-.23	39	37	-4	SSE	3	bc	*	or, 0	0.0	43	35	0.15
	Oxford	29.85	39	SE	2	0	29.69	-.28	39	37	0	SE	3	rq	*	gq, 0	*	42	35	0.04
	Cambridge ...	29.91	40	SSE	2	om	29.75	-.23	36	35	-2	ESE	3	om	*	om	0.0	42	32	0.06
	Yarmouth ...	29.95	39	SSE	4	c	29.83	-.16	40	39	+2	SSE	5	c	4	orq, c	*	41	35	0.10
	Cuxhaven ...	30.15	30	SE	4	b	?	?	27	27	0	SE	5	b	*	b	*	32	27	-
	Berlin	30.34	28	ESE	3	0	30.32	-.02	24	24	-6	E	4	0	*	0	*	30	23	-
	Wiesbaden ...	*	*	*	*	*	30.15	-.11	24	23	-1	NE	1	c	*	*	*	27	23	-
	Munich	30.20	21	E	2	b	30.13	-.14	14	14	-2	NE	2	b	*	b	*	28	14	-
	The Helder ...	30.03	31	SSE	1	f	29.97	-.11	30	29	0	NNE	1	c	1	f	*	32	30	-
	Brussels ...	*	*	*	*	*	29.94	-.19	35	33	+3	SE	4	0	*	b	*	35	26	-
	Cape Gris Nez ...	29.94	32	S	1	0	29.79	-.23	36	35	+1	S	3	bc	2	0	*	41	30	-
	Paris	30.03	30	SE	2	0	29.86	-.26	36	34	+4	SE	2	0	*	0	*	36	27	-
	Brest	29.63	48	SSE	3	0	29.38	-.48	50	48	+4	SSE	4	c	4	0	*	50	45	-
	Lorient	29.73	46	SE	6	0	29.45	-.50	48	47	0	SE	6	bc	5	0	*	50	41	-
France & Belgium.	Rochefort ...	29.92	43	SE	4	0	29.70	-.39	45	44	+8	SE	5	b	*	0	*	46	37	-
	Belfort	30.20	25	E	2	m	30.12	-.09	21	20	+1	E	1	m	*	m	*	?	20	-
	Lyons	30.10	44	S	5	b	29.99	-.24	44	39	+15	S	3	ov	*	b	*	49	29	-
	Nice	30.31	42	E	1	0	30.24	-.08	40	38	+4	ENE	4	c	3	0	*	48	36	0.04
	Perpignan ...	30.04	51	SE	3	b	29.95	-.22	51	45	+19	S	3	0	*	b	*	54	32	-
	Biarritz ...	29.88	51	S	4	0	29.69	-.32	54	48	+10	S	4	b	3	0	*	55	44	-
Penin-sula.	Corunna ...														*		*			
	Lisbon														*		*			
	Azores (P. Delgada)	29.80	58	NW	4	c	29.86	+.01	55	49	-4	NW	3	bc	5	c	*	63	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 0.6 hrs; Brighton 0.0 hrs; Hastings 0.0 hrs; Eastbourne 0.0

WEATHER CHARTS

FOR Wednesday, 6th January, 1897.

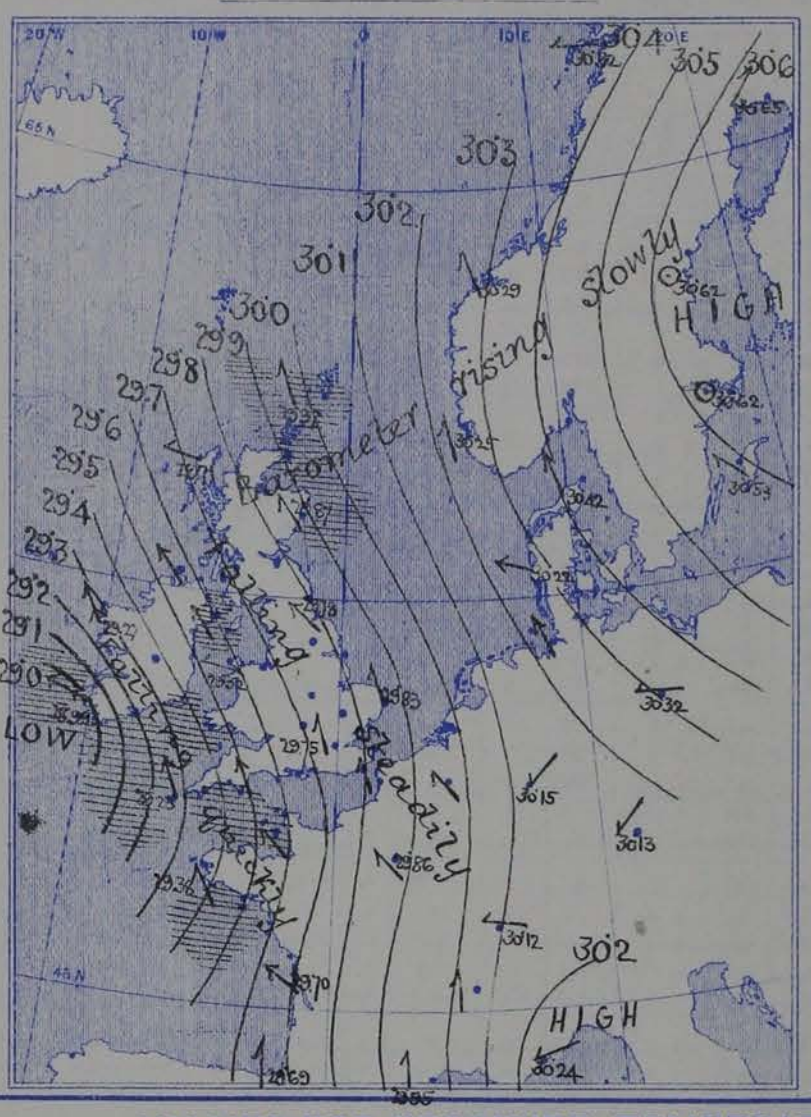
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; High ▨

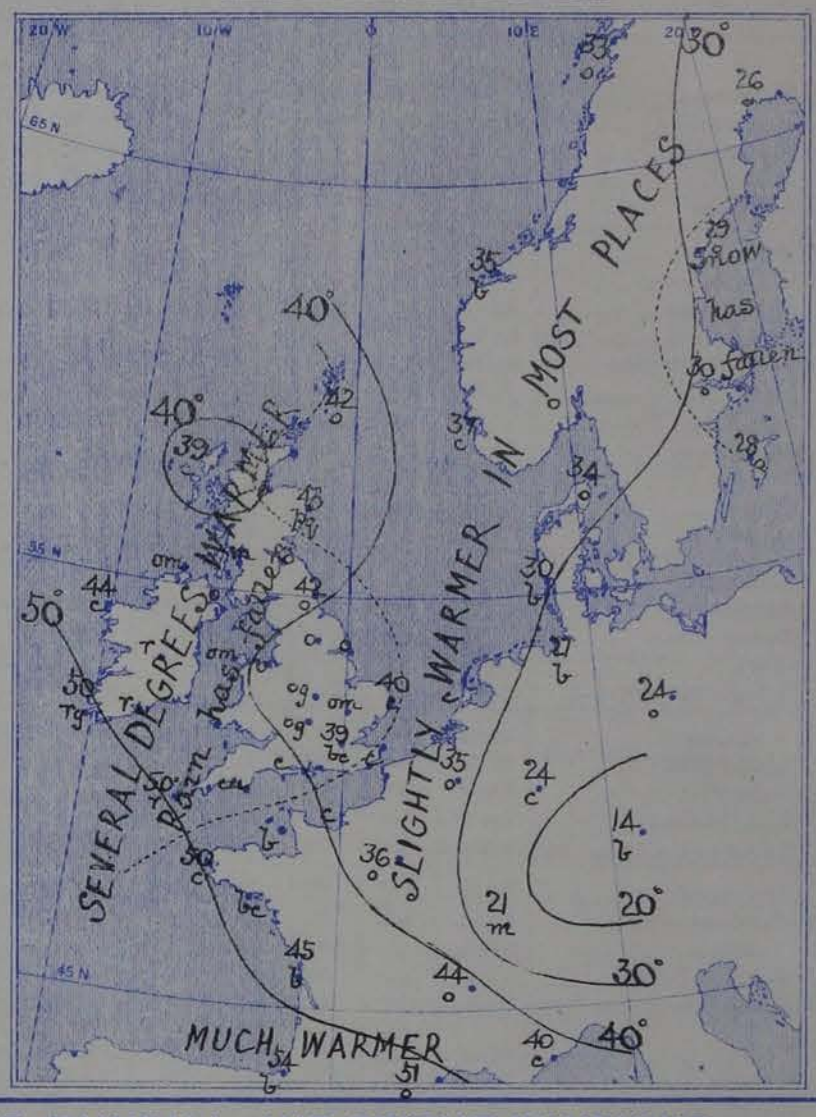


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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 · 676	39 · 4	38 · 0	42 · 5	35 · 2	51	1880, 82, 87	19	1881	3 · 85	—	—
Stornoway	29 · 688	39 · 1	38 · 2	42 · 9	34 · 0	55	1890	11	1881	5 · 17	29 · 2	13
Wick	29 · 715	37 · 9	36 · 6	42 · 0	32 · 9	57	1889	— 4	1881	2 · 24	—	—
Nairn	29 · 744	36 · 9	35 · 4	42 · 0	32 · 2	59	1887	5	1881, 95	1 · 98	—	—
Aberdeen	29 · 786	36 · 9	35 · 2	42 · 0	32 · 8	58	1889, 92	4	1881	2 · 38	52 · 6	23
Leith	29 · 821	38 · 2	36 · 7	43 · 9	33 · 3	57	1872, 80, 88,	9	1881	1 · 78	—	—
Shields	29 · 871	37 · 7	36 · 5	42 · 7	33 · 5	58	1880	6	1881	1 · 72	—	—
Spurn Head	29 · 911	37 · 3	36 · 3	41 · 2	34 · 0	54*	1884, 88	13*	1881	1 · 38	—	—
York	29 · 922	36 · 2	35 · 2	42 · 2	31 · 9	58	1872	3	1881	1 · 84	30 · 2	12
Loughborough	29 · 958	35 · 8	34 · 8	42 · 5	31 · 7	57*	1888, 94	2*	1881	2 · 01	—	—
Ardrossan	29 · 834	39 · 5	38 · 4	43 · 7	35 · 7	53	1873, 75, 92	12	1881	3 · 89	—	—
Malin Head	29 · 795	40 · 6	39 · 0	45 · 0	37 · 6	—	—	—	—	—	—	—
Belmullet	29 · 830	42 · 3	41 · 0	46 · 4	38 · 7	—	—	—	—	5 · 48	—	—
Donaghadee	29 · 854	39 · 7	38 · 9	44 · 2	35 · 8	55	1875, 80, 89, 92	20	1894	2 · 90	—	—
Holyhead	29 · 897	41 · 3	40 · 0	45 · 1	38 · 2	55	1873	20	1894	3 · 26	—	—
Liverpool	29 · 918	38 · 1	36 · 5	43 · 0	34 · 7	57	1877, 90	9	1881	2 · 18	—	—
Parsonstown	29 · 895	38 · 3	37 · 3	45 · 0	33 · 6	57	1880	6	1881, 94	2 · 99	50 · 8	21
Valencia	29 · 894	44 · 0	42 · 7	49 · 0	39 · 8	56	1876, 78	20	1894	6 · 31	56 · 1	22
Roche's Point	29 · 909	42 · 7	41 · 4	47 · 3	38 · 9	57	1889	20	1894	5 · 33	—	—
Pembroke	29 · 932	42 · 2	40 · 8	45 · 1	39 · 0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3 · 71	53 · 6	21
Scilly	29 · 960	46 · 0	44 · 4	48 · 5	42 · 3	55	1875, 76, 77, 82, 83, 90	25	1894	3 · 63	—	—
Prawle Point	29 · 991	41 · 3	40 · 3	45 · 7	37 · 0	56*	1883, 95	17*	1881	2 · 92	—	—
Jersey	30 · 012	41 · 5	40 · 0	45 · 6	37 · 9	57	1877	12	1891	3 · 21	71 · 2	27
Hurst Castle	29 · 991	39 · 6	38 · 8	44 · 4	35 · 6	56	1876, 83, 90,	15	1881	2 · 86	—	—
Dover	29 · 992	38 · 4	37 · 4	42 · 9	34 · 7	55	1878	11	1893	2 · 47	—	—
LONDON	29 · 991	37 · 1	36 · 0	43 · 4	33 · 2	58	1876	9	1881	2 · 06	19 · 3†	8†
Oxford	29 · 987	36 · 4	35 · 4	42 · 5	32 · 9	56	1877, 90	7	1881	2 · 16	47 · 1	19
Cambridge	29 · 979	35 · 6	34 · 8	42 · 7	30 · 9	59	1878, 80	4	1881	1 · 52	49 · 8	20
Yarmouth	29 · 960	37 · 0	36 · 1	40 · 9	33 · 0	55	1878, 84	10	1881	1 · 95	—	—

* 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 in. and upwards over the Gulf of Bothnia and the northern part of the Baltic.
Lowest, 29·0 in. and less, in a deep depression having its centre off the southwest of Ireland.
Gradients rather steep over all the more western parts of our Islands, but moderate elsewhere.
Barometer rising in Scandinavia, Denmark, and the extreme north of Scotland, falling elsewhere — most on our southwest coasts.

TEMPERATURE

Highest, 54° at Biarritz, 51° at Perpignan, 50° at Valencia (Ireland), Scilly, and Brest, and 49° at Rochefort Point.
Lowest, 14° at Munich, 21° at Belfast, 24° at Berlin and Nairbadew, 26° at Haparanda and 27° at Cayhaven.
The maxima registered yesterday were below 45° at most of our northern, eastern, and central stations; at York the thermometer did not exceed 39°.

WIND

SE over Western Europe generally, and strong to a gale in force on our western and extreme northern coasts.
Calm over the central parts of Sweden; light to moderate from the E^ly or NE^ly in Germany.

WEATHER

Dull over our Islands generally, with rain in the southwest and extreme north.
Fair in the south east of England and also in many parts of France and Germany.
Since yesterday morning rain has fallen in most parts of the United Kingdom, the amount being as a rule slight but rather large (0·5 in.) at Rochefort Point. Snow fell in Sweden.

SEA

Rough or rather so on our western and extreme northern coasts, but moderate or slight generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression in the southwest seems to be spreading eastwards and northwards, and a further increase of wind from the southeastward is probable on most of our coasts, with rainy unsettled weather.

FORECASTS

For the 24 hours ending at NOON on 7TH JAN: 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
☟ 0 SCOTLAND NORTH	SE^ly^24 winds, strong to a gale; dull, unsettled, some rain.	☟ 6 SCOTLAND WEST	SE^ly^24 and S^ly^24 gales and strong winds; squally, rain at times.
☟ 1 SCOTLAND EAST		☟ 7 ENGLAND N.W.	
☟ 2 ENGLAND N.E.		☟ 8 ENGLAND S.W.	
☟ 3 ENGLAND EAST	SE^ly^24 and S^ly^24 winds, increasing in force; fair at first, some rain later. Becoming milder.	☟ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		☟ 10 IRELAND SOUTH	
☟ 5 ENGLAND SOUTH		WARNINGS	At 3·30 pm yesterday to districts 8, 10, and parts of 5 and 7, and at 5·15 pm to the remainder of our coasts "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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·13	36	33	SSE	8	S	5	Valencia	29·48	48	44	SE	6	o	6
Sumburgh Head	29·79	42	40	2	o	b	5	Scilly	29·64	49	46	SE	5	o	4
Stornoway	29·76	42	42	NSW	3	bc	3	Jersey	29·89	43	42	SE	5	c	5
Aberdeen	29·85	39	37	SSW	2	bm	3	Hurst Castle ...	29·89	43	41	S	3	rm	2
Shields	29·88	39	38	SSW	3	cm	2	Dungeness ...	29·97	40	39	S	4	r	3
Ardrossan	29·76	42	42	NE	2	c	1	North Foreland	30·00	39	38	S	3	o	2
Malin Head ...	29·68	38	37	S	4	c	2	London (Westminster)	29·94	43	41	S	2	o	*
Belmullet	29·61	41	40	ESE	3	c	*	Yarmouth ...	29·96	41	40	SSW	2	gr	3
Holyhead	29·78	45	42	S	3	b	2	Rochefort ...	30·06	45	44	SE	4	bc	*

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

Weather in morning fine in the western and northern parts of our Islands generally, and also over the southern parts of the Continent. Cloudy or dull elsewhere, with fog or mist in the north and east of England, rain in our south-eastern counties, and snow over the northern parts of Sweden, as well as at Helsingfors and Breslau. Weather improving later in the east of England, but rain setting in on our south-west coast.

Temperature rain over England, the Netherlands, and many parts of Scandinavia, but fallen elsewhere. Morning readings highest, (1) 53° at Malta, 51° at Algiers, and 48° at Cagliari; (2) 48° at Lorient and 47° at Scilly. Lowest 3° at Kiew, 6° at Moscow, 10° at Warsaw, and 16° at Munich, below the freezing point over northern, eastern and Central Europe generally, as well as at some of the Irish stations. Daily maxima below 45° over the northern and eastern parts of our Islands generally, but thermometer touching 50° or more on our extreme south-west coasts, and also in the west and south of France; reaching 55° at Biarritz.

Wind SE or S over nearly the whole of western, northern and central Europe, but calm or SW in the north and east of Scotland; light or moderate in force in most places. Calm or light from the E over Austria and the south of Russia, N or NW over Italy and the Adriatic; E or NE over Spain and the extreme south of France. Subsequently increasing in force on our extreme south-west coast, and blowing a moderate gale in the south of Ireland.

Barometer highest 30·94 ins: at Moscow, 30·2 ins: and upwards, in a large anticyclone embracing all but the western parts of Europe. Lowest 29·7 ins: and less, in two depressions lying respectively to the north-westward and south-westward of our Islands. Former disturbance passing away to the northward, latter system proving deep, and advancing steadily northeastwards. Barometer falling briskly in south-west.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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 January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·67	25	SW	0	0	30·60	−·05	23	23	− 3	S	2	S	*	0	*	27	23	0·04
	Hernösand ...	30·67	19	SW	0	0	30·68	+·06	23	22	− 6	SW	0	0	*	0	*	32	16	-
	Stockholm ...	30·67	27	E	2	0	30·69	+·07	27	25	− 3	SW	0	0	*	0	*	32	23	-
	Wisby	30·61	23	SE	4	0	30·65	+·07	24	23	− 4	E	4	0	*	0	*	28	19	-
	Karlstad ...	30·62	28	E	1	0	30·65	+·11	26	26	− 5	E	2	0	*	S,0	*	*	*	-
	Bodö	30·45	30	E	2	0	30·49	+·17	29	25	− 4	E	4	0	1	0	*	33	27	-
	Christiansund ...	30·43	33	SE	2	6	30·51	+·22	31	?	− 4	S	3	6	3	6	*	36	28	-
	Skudesnaes ...	30·38	37	ESE	4	6c	30·44	+·19	36	30	− 1	ESE	6	6c	4	0. 6c	*	37	32	*
	Færder (Christiania Fjord)	30·55	32	ENE	4	0	30·60	+·13	30	29	− 2	ENE	4	0	3	0	*	32	30	-
	Skagen (The Scaw)	30·52	33	SSE	5	0	30·55	+·13	32	31	− 2	ESE	1	0	0	0	*	36	32	-
	Fanö	30·26	30	ESE	7	6	30·33	+·11	29	29	− 1	ESE	7	6c	*	6	*	32	28	-
British Isles	Sumburgh Head	30·11	40	SE	4	0	30·25	+·28	40	36	− 2	SE	6	0	8	0	*	43	38	-
	Stornoway ...	29·80	44	ESE	3	0	29·98	+·27	43	40	+ 4	ESE	4	0	4	0	0·0	45	33	-
	Wick	29·93	42	SE	9	0	30·09	+·23	41	41	− 2	SE	9	0 9	9	0	*	45	39	0·08
	Nairn	29·87	41	E	2	c	29·97	+·20	40	39	+ 1	E	1	0	1	c	*	45	36	-
	Aberdeen ...	29·95	41	ESE	7	0 9 9	30·04	+·17	41	38	− 2	SE	7	0 9 9	8	0 9 9	0·0	43	41	0·05
	Leith	29·81	42	SE	4	0	29·88	+·14	43	41	+ 1	E	3	0	*	0	*	43	40	-
	Shields	29·80	43	SE	4	0	29·87	+·09	42	41	0	E	5	r	5	0	*	43	39	-
	Spurn Head ...	29·76	41	ESE	5	bw	29·78	+·01	41	40	+ 2	ESE	5	0	5	6,0	*	41	38	-
	York	29·75	40	E	1	c	29·80	+02	41	40	+ 4	E	1	r	*	c	1·2	43	35	0·02
	Loughborough ...	29·67	42	SE	3	c	29·72	−·03	39	39	+ 4	SE	1	0 g mist	*	0,c,or	*	42	35	0·18
	Ardrossan ...	29·70	41	ENE	3	c m	29·77	+·14	37	37	− 5	NE	4	0 m	2	6 c m, c m	*	42	36	-
	Malin Head ...	29·53	43	SE	8	0 m	29·68	+·22	44	43	+ 2	SE	9	0	5	0 m	*	44	41	0·03
	Belmullet ...	29·40	44	E	6	0	29·53	+·26	44	43	0	ESE	5	0	*	0	*	50	41	0·05
	Donaghadee ...	29·60	44	SSE	7	0	29·65	+·09	44	43	+ 2	ESE	9	r	7	0	*	45	40	0·10
	Liverpool (Bidston)	29·60	41	E	4	0	29·70	+·07	41	40	+ 5	E	4	f	?	0,r	*	45	36	0·11
	Holyhead ...	29·49	43	E	4	6c	29·61	+·09	44	43	+ 1	E	3	0 g p	2	0 m, 6c	*	45	40	0·17
	Parsonstown ...	29·38	46	ESE	4	0	29·50	+·19	45	44	0	SE	1	c	*	0,r	0·0	47	44	0·15
	Valencia ...	29·02	50	E	8	r	29·44	+·45	45	42	− 5	ESE	3	6c	5	r	0·0	51	41	0·75
	Roche's Point ..	29·14	48	SE	8	r q	?29·49	+·31	47	46	− 2	SSE	3	6	5	r q	*	49	45	1·10
	Pembroke (St. Ann's Hd.)	29·31	45	SE	7	0	29·55	+·13	45	44	+ 1	?SW	4	c	5	0	0·0	46	38	0·29
	Scilly	29·06	51	SE	8	m	29·47	+·24	48	46	− 2	SSE	2	c	6	r. 0	0·0	51	45	0·45
	Prawle Point ...	29·37	48	SE	6	r	29·60	+·12	46	44	+ 1	S	3	c	3	0 u, r	*	48	44	0·30
	Jersey (St. Aubin's)	29·41	49	SE	6	0	29·64	+·06	47	45	+ 2	ESE	5	6c	4	0, r s. d	*	50	44	0·03
	Hurst Castle ...	29·53	48	ESE	6	0	29·69	+·06	47	45	+ 2	SSE	3	0	2	c u, or	*	48	44	0·50
	Dungeness ...	29·68	44	SE	5	6c	29·75	−·01	43	43	+ 1	SSE	5	r	4	6c, r	*	46	41	0·12
	North Foreland	29·75	42	SE	4	6c	29·78	−·02	41	40	+ 1	SE	4	r	3	6c, r	*	43	39	0·07
	London (Brixton) ...	29·66	44	SE	5	0	29·70	−·05	45	45	+ 6	SSE	2	0 d	*	c. or q	0·0	47	39	0·08
	Oxford	29·63	44	SE	4	0	29·69	·00	45	44	+ 6	ESE	2	0 q	*	0	*	46	38	0·09
	Cambridge ...	29·73	41	ESE	3	o m	29·76	+·01	40	40	+ 4	ESE	2	r q d	*	o m	3·0	48	34	0·13
	Yarmouth ...	29·79	40	SE	5	6c	29·82	−·01	40	39	0	SE	6	0 q r q	5	c, 6c	*	41	38	0·01
Germany & Holland	Cuxhaven ...	30·15	26	SE	6	6	30·22	?	25	25	− 2	ESE	7	0	*	6	*	30	25	-
	Berlin	30·30	24	ESE	4	6	30·37	+·05	23	23	− 1	E	4	0	*	6	*	30	21	-
	Wiesbaden ...	*	*	*	*	*	30·13	−·02	25	25	+ 1	W	0	c	*	*	*	30	23	-
	Munich... ...	30·08	22	E	3	0	30·13	·00	18	18	+ 4	NE	3	0	*	0	*	25	14	-
	The Helder ...	29·89	33	ESE	1	6	29·99	+·02	28	27	− 2	ESE	3	6	1	6	*	34	28	-
Belgium.	Brussels ...	*	*	*	*	*	29·91	−·03	39	34	+ 4	SE	4	0	*	6	*	43	35	-
	Cape Gris Nez ...	29·72	37	SE	4	6	29·75	−·04	41	40	+ 5	SE	4	r	4	6	*	45	36	0·16
	Paris	29·73	44	ESE	3	0	29·84	−·02	45	?	+ 9	SE	3	r	*	0	*	49	36	0·12
	Brest	29·19	51	SE	5	r	29·51	+·13	47	45	− 3	ESE	3	6	4	r	*	52	41	0·14
	Lorient... ...	29·29	50	SSE	6	r	29·55	+·10	46	45	− 2	ESE	5	0	5	r	*	50	39	0·20
France &	Rochefort ...	29·51	50	SE	6	r	29·65	−·05	49	49	+ 4	SE	4	c	*	0,r	*	54	45	0·08
	Belfort	30·03	26	E	2	6	30·04	−·08	28	27	+ 1	E	1	0	*	6	*	29	19	-
	Lyons	?30·08	47	S	3	6c	29·93	−·06	50	41	+ 6	S	3	0 v	*	6c	*	52	?	-
	Nice	30·19	44	W	0	0	30·20	−·04	45	41	+ 5	W	0	c	3	0	*	46	40	-
	Perpignan ...	29·81	53	SE	3	0	29·88	−·07	53	51	+ 2	SE	3	0	*	0	*	59	50	-
	Biarritz ...	29·43	62	S	6	0	29·50	−·19	59	54	+ 5	S	4	0	4	0	*	64	44	-
Penin-sula.	Corunna ...																*			
	Lisbon	29·57	54	SSW	4	0	29·49	−·07	54	49	− 3	SSW	4	0	*	0	*	59	52	0·98
	Azores (P. Delgada)	29·78	55	NW	5	6c	29·91	+·05	54	48	− 1	NNW	5	6c	3	6c	*	61	50	0·08

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

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

Bright Sunshine yesterday Southport 0.0 hrs; Brighton 1.3 hrs; Hastings 2.7 hrs; Eastbourne 2.7 hrs.

WEATHER CHARTS

FOR Thursday, 7th January, 1897.

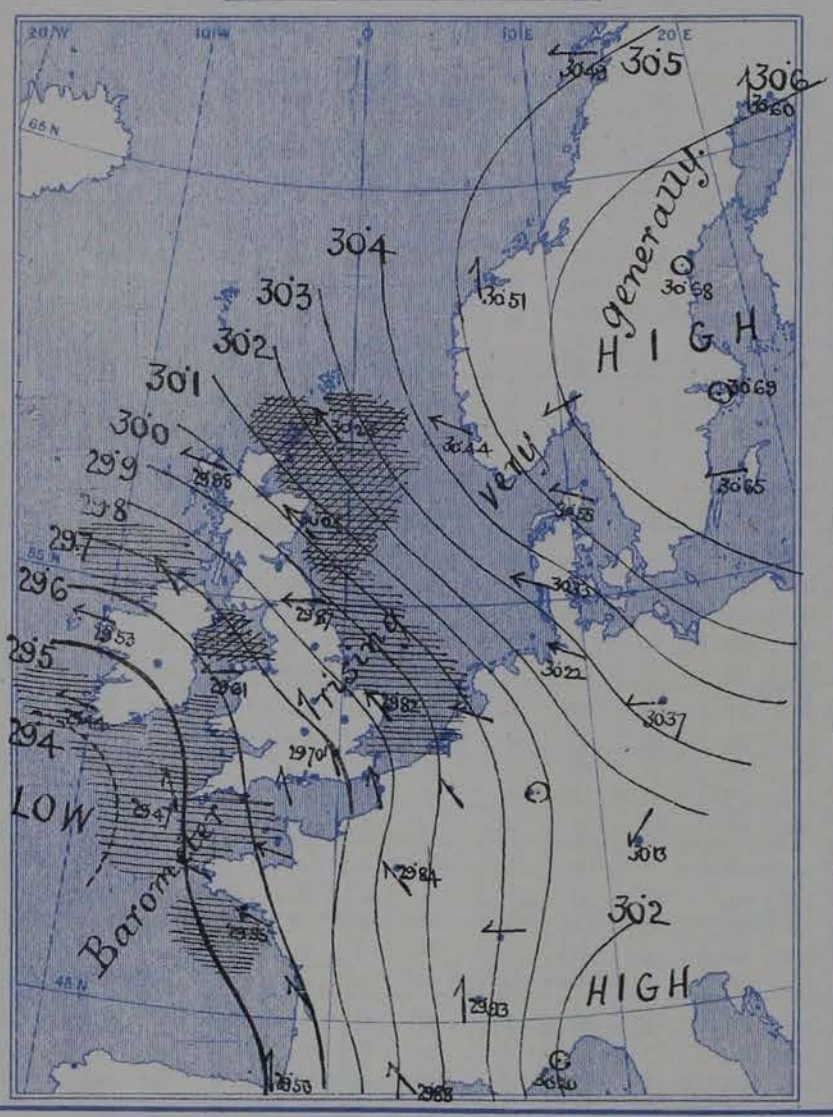
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; High ▩

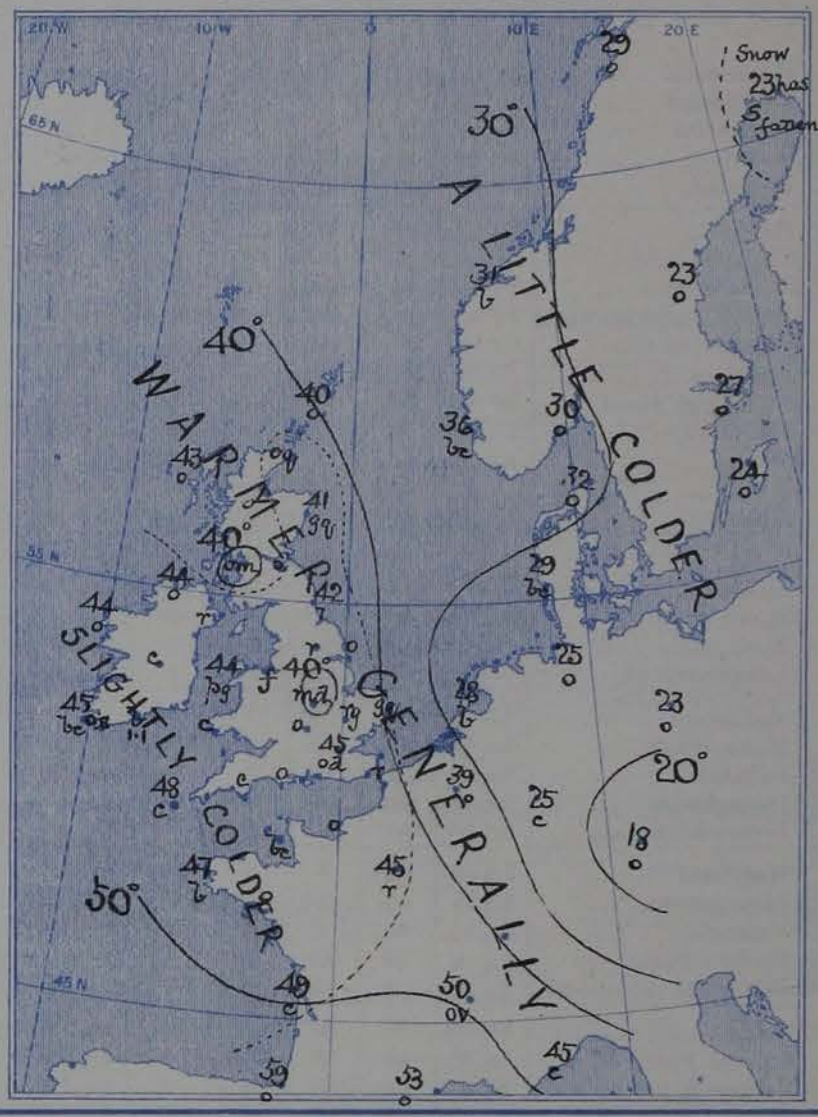


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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 · 676	39 · 4	38 · 0	42 · 5	35 · 2	51	1880, 82, 87	19	1881	3 · 85	—	—
Stornoway	29 · 688	39 · 1	38 · 2	42 · 9	34 · 0	55	1890	11	1881	5 · 17	29 · 2	13
Wick	29 · 715	37 · 9	36 · 6	42 · 0	32 · 9	57	1889	— 4	1881	2 · 24	—	—
Nairn	29 · 744	36 · 9	35 · 4	42 · 0	32 · 2	59	1887	5	1881, 95	1 · 98	—	—
Aberdeen	29 · 786	36 · 9	35 · 2	42 · 0	32 · 8	58	1889, 92	4	1881	2 · 38	52 · 6	23
Leith	29 · 821	38 · 2	36 · 7	43 · 9	33 · 3	57	1872, 80, 88,	9	1881	1 · 78	—	—
Shields	29 · 871	37 · 7	36 · 5	42 · 7	33 · 5	58	1880	6	1881	1 · 72	—	—
Spurn Head	29 · 911	37 · 3	36 · 3	41 · 2	34 · 0	54*	1884, 88	13*	1881	1 · 38	—	—
York	29 · 922	36 · 2	35 · 2	42 · 2	31 · 9	58	1872	3	1881	1 · 84	30 · 2	12
Loughborough	29 · 958	35 · 8	34 · 8	42 · 5	31 · 7	57*	1888, 94	2*	1881	2 · 01	—	—
Ardrossan	29 · 834	39 · 5	38 · 4	43 · 7	35 · 7	53	1873, 75, 92	12	1881	3 · 89	—	—
Malin Head	29 · 795	40 · 6	39 · 0	45 · 0	37 · 6	—	—	—	—	—	—	—
Belmullet	29 · 830	42 · 3	41 · 0	46 · 4	38 · 7	—	—	—	—	5 · 48	—	—
Donaghadee	29 · 854	39 · 7	38 · 9	44 · 2	35 · 8	55	1875, 80, 89, 92	20	1894	2 · 90	—	—
Holyhead	29 · 897	41 · 3	40 · 0	45 · 1	38 · 2	55	1873	20	1894	3 · 26	—	—
Liverpool	29 · 918	38 · 1	36 · 5	43 · 0	34 · 7	57	1877, 90	9	1881	2 · 18	—	—
Parsonstown	29 · 895	38 · 3	37 · 3	45 · 0	33 · 6	57	1880	6	1881, 94	2 · 99	50 · 8	21
Valencia	29 · 894	44 · 0	42 · 7	49 · 0	39 · 8	56	1876, 78	20	1894	6 · 31	56 · 1	22
Roche's Point	29 · 909	42 · 7	41 · 4	47 · 3	38 · 9	57	1889	20	1894	5 · 33	—	—
Pembroke	29 · 932	42 · 2	40 · 8	45 · 1	39 · 0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3 · 71	53 · 6	21
Scilly	29 · 960	46 · 0	44 · 4	48 · 5	42 · 3	55	1875, 76, 77, 82, 83, 90	25	1894	3 · 63	—	—
Prawle Point	29 · 991	41 · 3	40 · 3	45 · 7	37 · 0	56*	1883, 95	17*	1881	2 · 92	—	—
Jersey	30 · 012	41 · 5	40 · 0	45 · 6	37 · 9	57	1877	12	1891	3 · 21	71 · 2	27
Hurst Castle	29 · 991	39 · 6	38 · 8	44 · 4	35 · 6	56	1876, 83, 90,	15	1881	2 · 86	—	—
Dover	29 · 992	38 · 4	37 · 4	42 · 9	34 · 7	55	1878	11	1893	2 · 47	—	—
LONDON	29 · 991	37 · 1	36 · 0	43 · 4	33 · 2	58	1876	9	1881	2 · 06	19 · 3¼	8†
Oxford	29 · 987	36 · 4	35 · 4	42 · 5	32 · 9	56	1877, 90	7	1881	2 · 16	47 · 1	19
Cambridge	29 · 979	35 · 6	34 · 8	42 · 7	30 · 9	59	1878, 80	4	1881	1 · 52	49 · 8	20
Yarmouth	29 · 960	37 · 0	36 · 1	40 · 9	33 · 0	55	1878, 84	10	1881	1 · 96	—	—

* 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 in: and upwards, in an anticyclone lying over Sweden.
Lowest, 29·4 in: and less, in a depression lying off the south of Ireland.
Gradients moderate or rather steep generally, but slight over Scandinavia.
Barometer rising generally,— most in the southwest.

TEMPERATURE

Highest, 54° at Lisbon, 53° at Perpignan, 50° at Lyons, 49° at Rochefort, 48° at Scilly, and 47° at Roches Pt. Jersey, Hurst Castle, and Brest.
Lowest, 18° at Munich, 23° at Haparanda, Hernösand, and Berlin, 24° at Kirby and 25° at Wiesbaden.
The maxima registered yesterday were below 45° at several of our northern stations; on our extreme southwest coasts, however, the thermometer reached or slightly exceeded 50°.

WIND

SE. over Western Europe generally; moderate to fresh in force in most places, but blowing a strong gale on the north coasts of Ireland and Holland.
Calm over the central parts of Sweden; E. or NE. in Germany.

WEATHER

Dull over the greater part of our Islands, with rain in the north of Ireland, and the north, east, and southeast of England, as well as in the northeast of France. Fair or fine on our southwest coasts, and also on the eastern shores of the North Sea; dull over the northern and western parts of the Continent as a whole, with snow at Haparanda.
Rain fell yesterday over the whole of Ireland, England, and the neighbouring parts of the Continent, the largest amounts being 1·1 in: at Roches Pt. and 0·8 in: at Valencia (Ireland).

SEA

Very high off the north of Scotland, high at Donaghadee, and rough or rather so on all but our south coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southwest is filling up, and the gales of yesterday have subsided on all but our extreme north and northwest coasts. Some improvement in the weather is probable in most parts of the Kingdom.

FORECASTS

For the 24 hours ending at NOON on 8TH JAN: 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	SE. gales, moderating gradually; dull, some rain.	6 SCOTLAND WEST	Same as No 2.
2 SCOTLAND EAST		7 ENGLAND N.W.	
3 ENGLAND N.E.	E. and SE. winds, fresh; dull and rainy at first, some improvement later.	8 ENGLAND S.W.	S. and SE. winds, moderate or fresh; changeable, some showers.
4 ENGLAND EAST	SE. winds, moderate; dull at first, with some rain, but improving later.	9 IRELAND NORTH	Same as Nos 0 and 1
5 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 8
6 ENGLAND SOUTH		WARNINGS	The South Cone is still flying on all coasts.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·30	36	33	ESE	6	o	4
Sumburgh Head	30·06	41	39	SE	4	o	6
Stornoway	29·77	45	43	ESE	4	o	4
Aberdeen	29·90	42	40	SE	8	ogq	7
Shields	29·79	41	40	SE	4	o	4
Ardrossan	29·62	42	41	ENE	3	bcm	2
Malin Head ...	29·46	41	41	SE	7	o	4
Belmullet	29·33	45	44	ESE	5	o	*
Holyhead	29·49	42	41	E	4	om	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	28·99	49	47	ESE	8	r	7
Scilly	30·11	50	49	SE	8	r	6
Jersey	29·45	49	46	SE	6	o	5
Hurst Castle ...	29·56	47	44	ESE	5	cu	3
Dungeness ...	29·71	45	42	SE	4	bc	3
North Foreland	29·76	43	41	SE	4	bc	3
London (Westminster)	29·68	48	44	SSE	3	o	*
Yarmouth ...	29·79	41	40	SE	5	c	4
Rochefort ...	29·56	51	49	SSE	6	o	*

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

Weather in morning dull over the United Kingdom generally, with rain in the southwest and extreme north. Fine over the greater part of the Continent, but dull at most of the Swedish and Russian stations, with snow at Moscow; dull also over Spain, northern Italy, and the south of France, with rain at Toulon. Rain falling later over nearly the whole of England, Ireland, and the north of France, — heavily in the south of Ireland.

Temperature risen in the west and north of our Islands, and also over France, Spain, and northern Italy, fallen elsewhere. Morning readings highest 60° at Oran, 59° at Nemours, and 57° at Lisbon and Algiers, exceeding 50° in the extreme south of France, and just touching that point on our own extreme southwest coasts. Lowest 2° at Kiew, 3° at Kharkov, and 4° at St Petersburg and Riga, considerably below the freezing point over Germany, and slightly below it in Sweden and Denmark. Daily maxima below 45° at most of our own northern and eastern stations; thermometer exceeding 55° in the south of France and reaching 64° at Biarritz.

Wind SE over all the more western, northern and central parts of Europe, and strong to a gale in force on our own eastern and extreme northern coasts. E or NE over the central and southern parts of Russia, N over Italy and the Adriatic, but SW at Palermo and Malta. No important change occurring over Western Europe during day.

Barometer highest 30·9 in. and upwards over Central Russia, 30·2 in. and upwards, in an anticyclone embracing the entire eastern half of Europe. Lowest 29·0 in. and less, in a deep depression, with its centre off the southern of Ireland; gradients steep over Western Europe generally. Anticyclone subsequently spreading eastwards towards our own northern coasts; depression in southwest inclined to move southeastwards.

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, 8th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·58	18	SW	0	S	30·69	+·09	14	13	−9	S	2	b	*	S	*	30	14	0·04
	Hernösand ...	30·69	15	SW	0	b	30·74	+·06	1	1	−22	W	0	fog	*	b	*	27	!	-
	Stockholm ...	30·73	26	SW	0	0	30·74	+·05	24	23	−3	E	2	fog	*	0	*	27	24	-
	Wisby	30·70	24	E	4	0	30·71	+·06	25	24	+1	NE	4	0	*	0	*	25	19	-
	Karlstad ...	30·71	25	E	2	0	30·75	+·10	23	22	−3	NE	2	0	*	0	*	*	*	-
	Bodö	30·62	30	E	2	0	30·72	+·23	28	25	−1	E	2	0	1	0	*	30	25	-
	Christiansund ...	30·60	28	ENE	2	b	30·65	+·14	29	28	−2	NE	2	b	3	b	*	31	27	-
	Skudesnaes ...	30·52	33	SE	4	bc	30·55	+·11	32	28	−4	E	2	b	2	c b c	*	36	30	*
	Færder (Christiania Fjord)	30·68	28	NE	3	0	30·72	+·12	27	25	−3	NE	3	0	2	0	*	30	27	-
	Skagen (The Scaw)	30·63	32	ESE	1	0	30·67	+·12	28	27	−4	E	1	0	0	0	*	32	27	-
	Fanö	30·41	30	ESE	7	c	30·40	+·07	30	29	+1	ESE	7	c	*	c	*	32	29	-
BRITISH ISLANDS.	Sumburgh Head	30·34	40	ESE	6	0	30·41	+·16	38	36	−2	ESE	5	0	8	0	*	41	36	0·03
	Stornoway ...	30·06	42	ESE	5	0	30·13	+·15	40	38	−3	ESE	4	0	4	r s p	0·0	43	37	0·08
	Wick	30·20	40	SE	9	0	30·23	+·14	40	40	−1	SE	9	0	9	0	*	42	39	-
	Nairn	30·08	40	E	3	c	30·16	+·19	39	37	−1	E	3	0	2	c	*	41	36	-
	Aberdeen ...	30·14	39	ESE	9	o g r q	30·21	+·17	38	35	−3	ESE	7	o q q	9	o q q, r	0·0	41	38	0·09
	Leith	29·98	42	E	3	0	30·04	+·16	40	39	−3	ENE	6	0	*	0	*	44	38	0·09
	Shields	29·97	40	ESE	4	d	29·97	+·10	40	40	−2	ESE	7	r	7	r. d	*	43	37	0·34
	Spurn Head ...	29·88	39	ESE	5	0	29·84	+·06	39	38	−2	E	6	o q	6	r q	*	41	38	0·33
	York	29·89	40	E	1	m	29·89	+·09	39	38	−2	ENE	2	0	*	r m	0·0	43	37	0·39
	Loughborough ...	29·83	41	E	3	0	29·79	+·07	38	37	−1	ENE	3	o q m	*	r. c. r q m	*	42	37	0·82
	Ardrossan ...	29·91	39	NE	3	r m	29·96	+·19	40	40	+3	NE	5	o m	2	r m	*	43	37	0·10
	Malin Head ...	29·83	42	ESE	5	o d	29·88	+·20	41	41	−3	E	7	0	5	o, d	*	44	41	-
	Belmullet ...	29·81	44	ESE	2	b	29·82	+·29	42	41	−2	E	4	0	*	b	*	47	39	-
	Donaghadee ...	29·88	43	E	6	c	29·85	+·20	42	40	−2	ENE	8	0	6	c	*	44	40	0·03
	Liverpool (Bidston)	29·82	42	E	3	0	29·78	+·08	39	37	−2	ENE	5	0	?	p, r	*	44	37	0·17
	Holyhead ...	29·77	43	ENE	4	b	29·70	+·09	41	39	−3	ENE	7	o q	6	bc, b	*	46	39	0·06
	Parsonstown ...	29·74	44	SW	0	r	29·69	+·19	42	40	−3	SE	2	o q	*	bc. r	3·9	48	40	0·05
	Valencia ...	29·67	44	E	1	b	29·60	+·16	44	42	−1	ENE	6	c	5	b v, b	6·1	51	41	0·02
	Roche's Point ..	29·66	44	ENE	2	b	29·59	+·10	44	44	−3	E	5	r m	4	b	*	50	41	0·06
	Pembroke (St. Ann's Hd.)	29·63	46	ESE	4	0	29·56	+·01	44	43	−1	ESE	5	o q	4	bc. o	3·7	48	42	0·29
	Scilly	29·46	48	NE	5	r	29·39	−·08	50	48	+2	ESE	5	c	5	c. r. b	3·4	51	45	0·80
	Prawle Point ...	29·50	45	ENE	6	r	29·51	−·09	47	47	+1	ENE	5	r	4	r	*	48	45	0·65
	Jersey (St. Aubin's)	29·52	48	ESE	5	r m	29·49	−·15	48	47	+1	ESE	4	o r m	4	r m	*	49	45	0·61
	Hurst Castle ...	29·62	45	E	5	r	29·59	−·10	44	43	−3	ENE	4	r m	2	c m. r	*	50	43	0·34
	Dungeness ...	29·74	43	ESE	4	o p	29·66	−·09	43	43	0	ESE	4	r	3	o. p	*	46	42	0·32
	North Foreland	29·80	43	SE	5	r	29·71	−·07	42	41	+1	SE	5	r	4	o. r	*	43	40	0·41
	London (Brixton) ...	29·79	42	SSE	3	o r	29·67	−·03	41	40	−4	E	4	q r	*	o m. r q	0·0	47	39	0·23
	Oxford	29·73	43	E	3	r	29·69	·00	40	39	−5	NE	2	q q r	*	o. r	*	50	40	0·15
	Cambridge ...	29·83	41	ESE	3	o r	29·76	·00	39	39	−1	E	2	q q r	*	o m. r	0·0	44	36	0·28
	Yarmouth ...	29·86	39	E	5	o q	29·81	−·01	39	37	−1	E	7	o q q r	5	r m, o q	*	41	36	0·36
GERMANY & HOLLAND.	Cuxhaven ...	30·29	26	ESE	8	0	30·27	+·05	23	23	−2	E	8	c	*	0	*	28	23	-
	Berlin	30·44	18	E	5	c	30·48	+·11	?	?	?	E	4	b	*	c	*	25	10	-
	Wiesbaden ...	*	*	*	*	*	30·08	−·05	31	30	+6	ENE	1	0	*	*	*	32	25	-
	Munich	30·15	23	E	4	b	30·11	−·02	23	23	+5	E	6	0	*	b	*	28	18	-
	The Helder ...	30·03	30	E	4	0	29·96	−·03	30	29	+2	E	5	0	3	0	*	32	28	-
BELGIUM.	Brussels ...	*	*	*	*	*	29·81	−·10	41	36	+2	SE	4	0	*	r	*	43	38	0·35
	Cape Gris Nez ...																*			
	Paris	29·74	49	ESE	3	0	29·68	−·16	44	41	−1	ESE	3	r	*	0	*	30	?	0·08
	Brest	29·35	48	ESE	4	c	29·41	−·10	47	46	0	E	1	c	4	c	*	50	43	0·55
	Lorient	29·39	48	SE	5	0	29·43	−·12	49	48	+3	E	2	r	5	0	*	52	41	0·32
FRANCE &	Rochefort ...	?	52	S	4	0	29·56	−·09	51	50	+2	S	6	r	*	r. o	*	54	49	0·16
	Belfort	30·04	28	E	3	m	29·91	−·13	28	27	0	E	5	m	*	m	*	31	26	-
	Lyons	29·88	54	S	4	c	29·79	−·14	52	43	+2	S	2	c	*	c	*	59	50	-
	Nice	30·17	49	ESE	1	b c	30·12	−·08	50	44	+5	E	4	b	4	b c	*	55	43	-
	Perpignan ...	29·83	56	SE	3	b	29·76	−·12	59	51	+6	S	3	b	*	b	*	62	53	-
	Biarritz ...	29·49	62	S	6	0	29·59	+·09	55	50	−4	S	5	b	5	0	*	64	54	-
PENINSULA.	Corunna ...																*			
	Lisbon	29·50	53	SW	6	r	29·51	+·02	55	52	+1	SSW	6	0	*	r	*	57	52	0·87
	Azores (P. Delgada)	29·95	55	N	5	c	29·93	+·02	54	51	0	N	5	c	4	c	*	61	52	0·12

For Explanation of Columns, see bottom of last page.

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

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

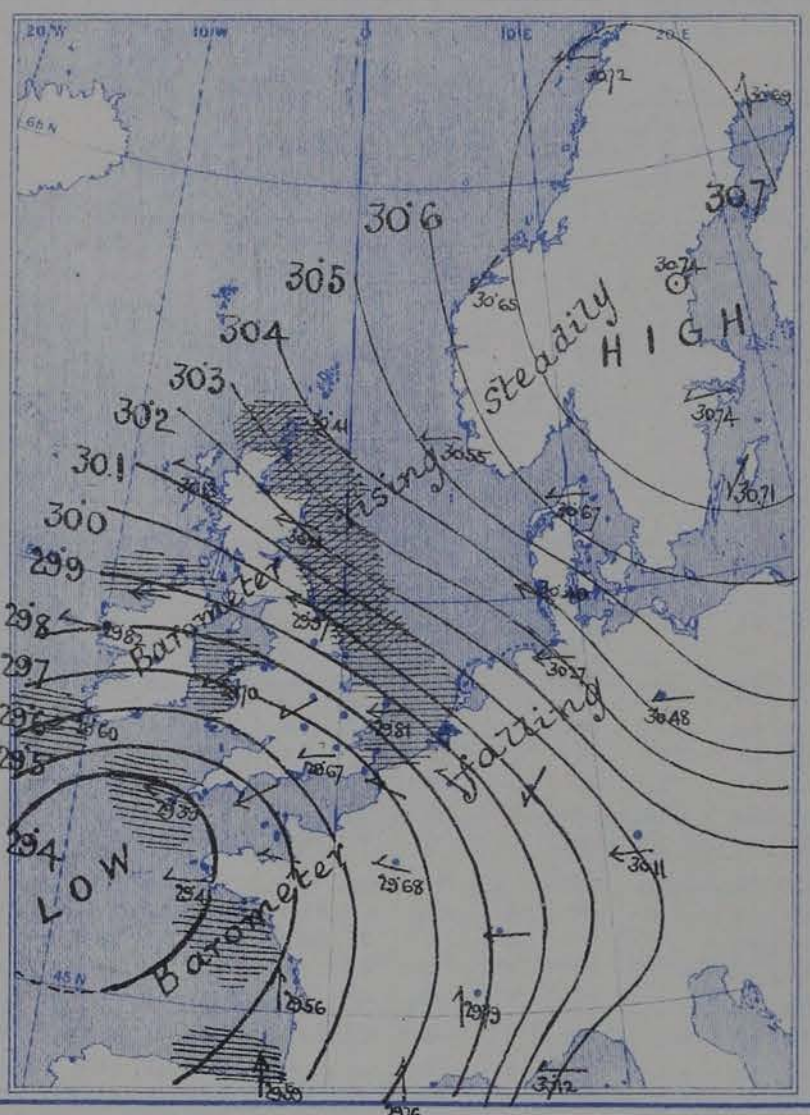
Bright Sunshine yesterday Southport 0.0 hrs; Brighton 1.5 hrs; Hastings 0.1 hrs; Eastbourne 0.5 hr.

WEATHER CHARTS

FOR Friday 8th January, 1897.

BAROMETER, WIND AND SEA.

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



TEMPERATURE & WEATHER.

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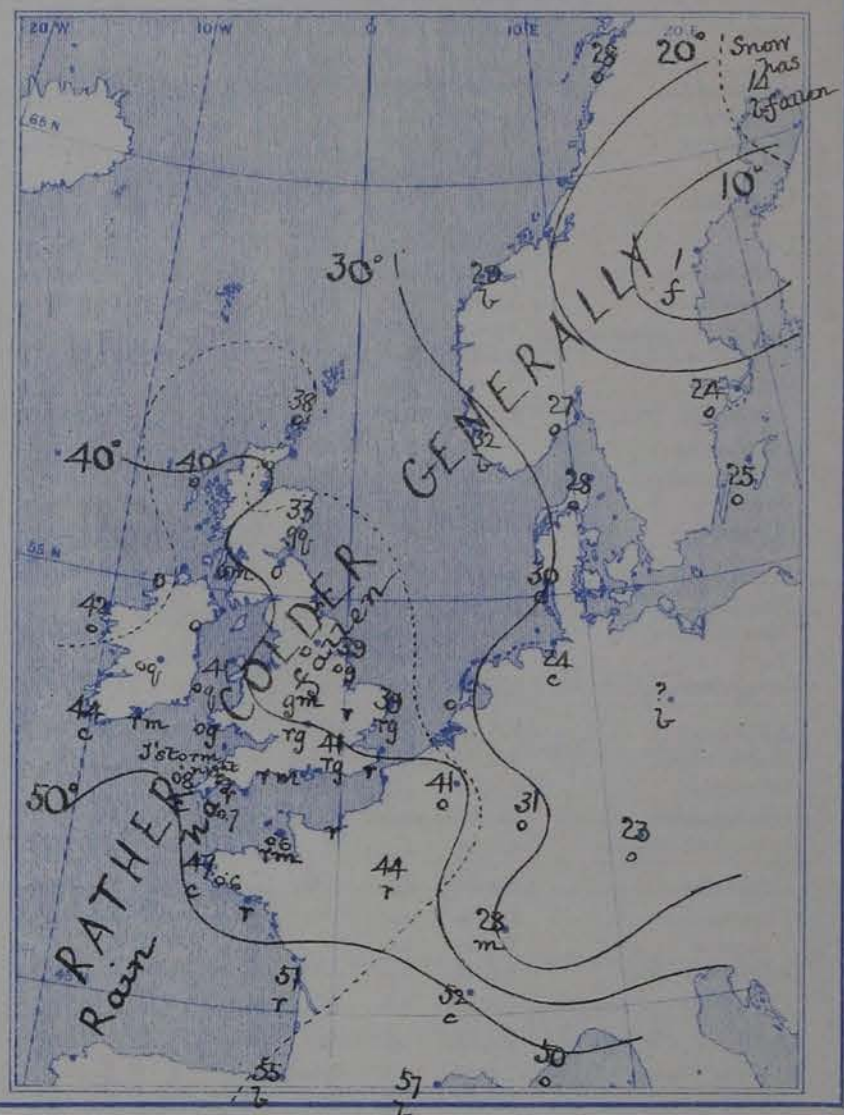
RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 in: and upwards, in a large anticyclone with its central portion over Scandinavia.
Lowest, 29·4 in: and less, in a depression having its centre near the mouth of the English Channel
Gradients rather steep over the Netherlands and the North Sea, moderate or slight elsewhere.
Barometer falling unsteadily over France, Germany, the Netherlands, and the southeast of England, rising in nearly all other parts of our area.

TEMPERATURE

Highest, 57° at Perpignan, 55° at Biarritz and Lisbon, 52° at Lyons, 51° at Rochefort, and 50° at Scilly and Nice.
Lowest, 1° at Hernösand, 14° at Haparanda, 23° at Karlstadt and Munich, 24° at Stockholm and Christiansund, and 25° at Yarmouth
The maxima registered yesterday were below 45° at most of our northern, eastern, and central stations, but a little above 50° on our extreme southwest coasts.

WIND

E. over the greater part of northwestern Europe, and strong to a gale in force on all our northeast, north, and east coasts, as well as in the southern part of the North Sea generally.
Moderate to showery from the S.E. over the southern parts of France; Calm or S. in the Gulf of Bothnia.

WEATHER

Dull over Western Europe as a whole, with rain in the east and south of England, and also in the northern and central parts of France.
Fine in the extreme south of France, as well as on the west coast of Norway.
Since yesterday morning rain has fallen in nearly all parts of our Islands and their immediate neighbourhood, the largest amounts reported being 0·8 in: at Scilly, 0·7 in: at Prawle Point and 0·6 in: at Jersey and Brest. A solar halo was seen yesterday at Jersey, and thunder and lightning occurred at Midnight at Scilly.

SEA

Exceedingly high off the north and northeast of Scotland, and rough or rather so on all but the Channel coasts, as well as in the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southwest is inclined to move slowly southeastwards. No important change in the weather is indicated at present, but there is a tendency for an increase in the gradients over our east coasts and the North Sea.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. and SE. gales and strong winds; dull, slight rain locally.
▲ 1	SCOTLAND EAST	E. winds, increasing to a gale; dull, squally, some rain.
▲ 2	ENGLAND N.E.	
▲ 3	ENGLAND EAST	
4	MIDLAND COUNTIES	E. winds, fresh or strong; squally, rain at times, colder.
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	E. and NE. winds, strong; dull, squally, rain locally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. to NE. winds, fresh or strong; changeable, showery.
9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	Same as No 8.
	WARNINGS	At 10·20 am to districts 1, 2, and 3 HOIST NORTH CONE.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·50	35	31	ESE	2	c	3	Valencia	29·59	49	45	ESE	2	bv	4
Sumburgh Head	30·29	40	37	SE	6	o	8	Scilly	29·53	50	48	E	4	c	5
Stornoway	30·01	42	40	ESE	4	o	4	Jersey	29·59	49	48	E	5	r	4
Aberdeen	30·09	40	38	ESE	9	ogq	9	Hurst Castle ...	29·69	46	45	ENE	3	cm	3
Shields	29·91	40	40	ESE	4	r	5	Dungeness ...	29·75	45	44	SE	4	o	3
Ardrossan	29·82	41	41	NE	3	rm	2	North Foreland	29·81	42	41	SE	4	o	3
Malin Head ...	29·74	43	42	SE	7	o	4	London (Westminster)	29·75	47	45	ESE	3	ogm	#
Belmullet	29·67	46	45	ESE	2	o	*	Yarmouth ...	29·85	40	39	SE	5	ogmr	5
Holyhead	29·72	45	44	E	3	bc	2	Rochefort ...	29·61	52	50	SE	4	r	*

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

Weather in morning dull over the greater part of our Islands and the Continent, with rain in the north of Ireland, the northern, eastern, and southeastern parts of England, and the northeast of France; snow reported at Haparanda, Kuopio, Warsaw, and several of the Russian stations. Weather fine on our own extreme southwest coasts, as well as on the eastern shores of the North Sea, and at many of the Mediterranean stations. Rain falling later in most parts of our Islands and their immediate neighbourhood, – heavily in the southwest. Solar halo seen at Jersey, and thunder and lightning occurring at Scilly at night.

Temperature risen in most parts of Western and southern Europe, but fallen or changed irregularly elsewhere. Morning readings highest 59° at Biarritz and Algiers, 58° at Oran, 54° at Lisbon and La Calle; above 50° in the south of France and very little below it on our own southwest coasts. Lowest −1° F. at Riga, +2° at St Petersburg, 3° at Kuopio, and 4° at Memel. Below the freezing point over northern, eastern and central Europe generally. Daily maxima below 45° in many parts of our Islands, but reaching 50° or more on our extreme southwest coasts, exceeding 60° in the extreme south of France and touching 64° at Biarritz.

Wind SE' over western and central Europe generally; moderate to fresh in force in most places, but blowing a strong gale on the north coasts of Ireland and Scotland. Calm or E' over Sweden and the central parts of Russia, N' or NE' in Italy. Strong gale setting in later in the east of Scotland, no important change occurring elsewhere.

Barometer highest 30·8 in. and upwards over the northwestern parts of Russia, 30·3 in. and upwards, in an anticyclone embracing the entire eastern half of Europe. Lowest 29·4 in. and less, in a depression lying off the south of Ireland; gradients rather steep over western Europe generally. Depression subsequently moving slowly southeastwards, and barometer rising on all but our extreme southern 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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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 9th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda	30·73	11	NW	0	f	30·56	-·13	22	22	+ 8	SSW	2	0	*	f	*	23	7	-
	Hernösand ...	30·78	20	NW	0	fg	30·73	-·01	18	17	+ 17	NW	0	0	*	0	*	21	-2	-
	Stockholm ...	30·74	22	NNE	2	0	30·69	-·05	24	23	0	NNE	2	0	*	0	*	25	21	-
	Wisby	30·65	27	SE	4	0	30·62	-·09	23	22	- 2	E	4	0	*	0	*	27	19	-
	Karlstad ...	30·74	21	N	2	0	30·67	-·08	22	21	- 1	NNE	4	0	*	0	*	*	*	-
	Bodö	30·58	28	E	2	b	30·48	-·24	30	27	+ 2	E	2	0	1	b	*	30	23	-
	Christiansund ...	30·64	30	ENE	1	b	30·50	-·15	27	26	- 2	NW	0	b	3	b	*	32	27	-
	Skudesnaes ...	30·56	30	SE	2	b	30·43	-·12	30	28	- 2	E	4	b	2	b	*	32	23	*
	Færder (Christiania Fjord)	30·72	24	NE	3	0	30·63	-·09	24	23	- 3	NE	5	0	3	0	*	27	23	-
	Skagen (The Scaw)	30·62	29	E	3	0	30·50	-·17	29	28	+ 1	E	5	0	2	0	*	30	27	-
	Fanö	30·34	30	ESE	6	c	30·16	-·24	30	29	0	ESE	6	c	*	c	*	30	30	-
British Islands.	Sumburgh Head	30·40	38	ESE	5	0	30·30	-·11	34	33	- 4	SE	5	0	8	0	*	39	34	-
	Stornoway ...	30·15	40	ESE	5	0	30·04	-·09	38	36	- 2	ESE	5	0	5	0	0·5	40	34	-
	Wick	30·27	39	SE	9	0	30·12	-·11	38	37	- 2	SE	9	0u	9	0	*	41	35	-
	Nairn	30·18	38	ESE	2	c	30·09	-·07	36	34	- 3	ESE	2	0	2	c	*	40	33	-
	Aberdeen ...	30·24	39	ESE	9	ogq	30·13	-·08	35	32	- 3	E	6	gqprh	8	ogq	0·0	40	35	0·01
	Leith	30·06	41	ENE	5	0	30·01	-·03	37	35	- 3	ENE	4	0	*	0	*	41	35	-
	Shields	29·98	40	E	6	0	29·94	-·03	37	35	- 3	E	6	0	7	op.o	*	40	36	0·09
	Spurn Head ...	29·80	37	E	6	r	29·77	-·07	35	35	- 4	E	6	rsq	6	r	*	39	34	0·20
	York	29·86	39	ENE	4	0	29·85	-·04	35	34	- 4	E	1	s	*	0	0·0	40	34	0·07
	Loughborough ...	29·77	36	ENE	3	r	29·76	-·03	33	33	- 5	ENE	4	gms	*	gm.pqs	*	39	33	0·34
	Ardrossan ...	29·97	40	NE	6	om	29·85	-·11	36	36	- 4	ENE	7	0	2	om	*	41	35	-
	Malin Head ...	29·87	43	SE	6	oq	29·76	-·12	39	38	- 2	E	8	0	5	0.oq	*	43	38	-
	Belmullet ...	29·80	42	ENE	6	o	29·74	-·08	40	39	- 2	E	4	0	*	0	*	42	38	0·12
	Donaghadee ...	29·89	42	E	9	0	29·81	-·04	40	37	- 2	E	9	c	6	0	*	43	38	-
	Liverpool (Bidston)	29·78	38	ENE	6	0	29·74	-·04	35	33	- 4	ENE	5	0	?	op	*	40	33	0·03
	Holyhead ...	29·76	40	ENE	7	ogqfrs	29·67	-·03	36	35	- 5	ENE	7	rqu	6	r.qfrs	*	41	35	0·01
	Parsonstown ...	29·73	42	SE	2	r	29·64	-·05	39	38	- 3	E	1	or	*	od	0·0	42	38	0·04
	Valencia ...	29·63	45	ENE	5	ogp	29·57	-·03	43	41	- 1	NE	2	oq	3	ogp	0·0	45	39	0·06
	Roche's Point ..	29·64	44	ENE	5	r	29·58	-·01	44	43	0	ESE	4	o	4	or	*	45	39	0·06
	Pembroke (St. Ann's Hd.)	29·62	41	SE	5	r	29·60	+·04	39	38	- 5	E	4	oq	4	or	0·0	45	39	-
	Scilly	29·51	49	E	3	cpm	29·43	+·04	49	48	- 1	E	5	or	4	r.cpm	0·0	51	46	0·03
	Prawle Point ...	29·60	43	ENE	3	m	29·52	+·01	45	44	- 2	ENE	5	oq	4	orf	*	47	41	0·20
	Jersey (St. Aubin's)	29·66	48	SW	2	op	29·53	+·04	47	46	- 1	ESE	3	bcmp	3	o.p.b	*	50	41	0·03
	Hurst Castle ...	29·57	44	ENE	3	rm	29·58	-·01	44	43	0	NE	3	s	2	m2.f	*	45	42	0·30
	Dungeness ...	29·63	46	ESE	3	c	29·61	-·05	44	44	+ 1	NNE	3	c	2	o.c	*	46	42	0·29
	North Foreland	29·69	43	E	5	r	29·65	-·06	42	41	0	NE	4	0	4	r	*	44	40	0·35
	London (Brixton) ...	29·66	42	E	3	ogr	29·66	-·01	40	40	- 1	E	4	gmd	*	org.rq	0·0	43	39	0·74
	Oxford	29·67	40	ENE	2	r	29·67	-·02	37	37	- 3	ENE	3	or	*	r	*	40	37	0·58
	Cambridge ...	29·73	38	E	3	r	29·72	-·04	35	35	- 4	ENE	3	qmr	*	or	0·0	40	33	0·46
	Yarmouth ...	29·76	38	E	8	gqr	29·73	-·08	33	32	- 6	ENE	6	ogq	6	rgq	*	39	30	0·30
Germany & Holland.	Cuxhaven ...	30·22	24	E	8	0	29·97	-·30	21	21	- 2	E	8	0	*	os	*	27	21	-
	Berlin	30·37	15	ESE	5	0	30·15	-·33	17	16	?	E	4	0	*	b	*	18	14	-
	Wiesbaden ...	*	*	*	*	*	29·86	-·22	31	30	0	NE	2	0	*	*	*	34	30	-
	Munich	30·00	26	E	3	c	29·93	-·18	23	23	0	E	5	0	*	c	*	28	23	-
	The Helder ...	29·93	29	E	5	r	29·80	-·16	23	23	- 7	E	4	s	2	r	*	30	23	0·16
Belgium.	Brussels ...	*	*	*	*	*	29·69	-·12	40	38	- 1	S	1	r	*	0	*	42	38	0·24
	Cape Gris Nez ...	29·63	44	SE	3	0	29·63		43	43		E	1	0	3	0	*	45	37	0·24
	Paris	29·74	49	S	3	c	29·68	·00	41	40	- 3	SE	2	b	*	c	*	53	39	0·24
	Brest	29·57	48	E	1	c	29·39	-·02	48	46	+ 1	E	3	c	3	c	*	52	43	-
	Lorient	29·59	49	ESE	3	c	29·43	·00	48	47	- 1	SE	5	bc	4	c	*	54	41	0·16
France &	Rochefort ...	29·72	54	SSE	4	b	29·61	+·05	48	47	- 3	SE	4	c	*	c,b	*	57	46	-
	Belfort	29·97	29	E	1	0	29·84	-·07	31	30	+ 3	E	1	m	*	0	*	36	26	-
	Lyons	29·87	53	S	4	b	29·76	-·03	44	42	- 8	E	1	bc	*	b	*	65	42	-
	Nice	30·08	52	E	5	0	29·93	-·19	50	45	0	W	0	c	4	0	*	54	46	-
	Perpignan ...	29·79	52	NE	2	b	29·70	-·06	41	40	- 18	W	2	0	*	b	*	69	40	-
	Biarritz ...	29·63	60	S	4	bc	29·55	-·04	60	54	+ 5	S	6	c	4	bc	*	66	55	-
Peninsula.	Corunna ...																*			
	Lisbon	29·59	54	SSW	6	bc	29·66	+·15	51	49	- 4	W	2	0	*	bc	*	59	50	0·08
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·0 hrs; Hastings 0·0 hrs; Eastbourne 0·0.

WEATHER CHARTS

FOR Saturday, 9th January, 1897.

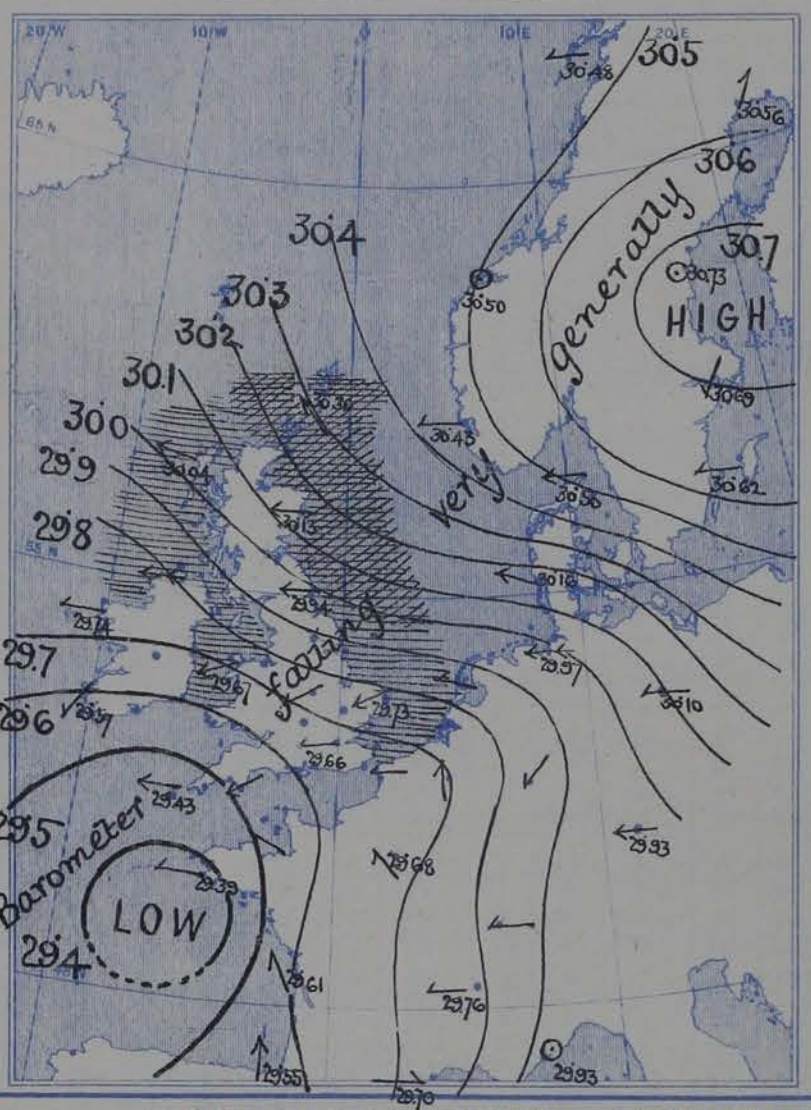
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ≡ ; High ▰

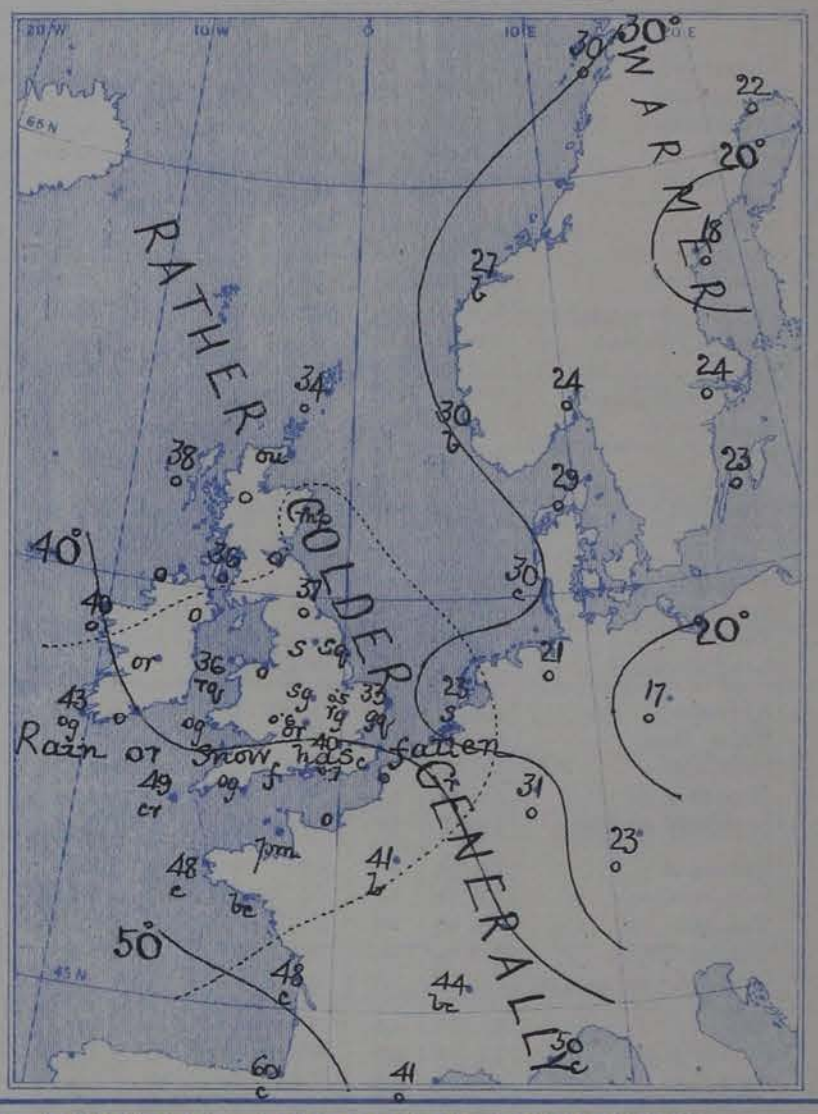


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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, 307 ins: and upwards, are the southern part of the Gulf of Bothnia; 305 ins: and upwards in an anticyclone covering nearly the whole of Scandinavia.
Lowest, 294 ins: and less, in a depression lying off the northwest of France.
Gradients rather steep over the North Sea and the northern parts of our Islands, but moderate or slight elsewhere.
Barometer falling generally.

TEMPERATURE

Highest, 60° at Biarritz, 51° at Lisbon, 49° at Scilly, 48° at Brest, Lorient, and Rochefort, and 47° at Jersey.
Lowest, 17° at Haparanda, 18° at Hernösand, 21° at Cuxhaven, 22° at Haparanda and Karlstad, and 23° at Wisby, the Helder, and Munich.
The maxima registered yesterday were below 45° in all but the extreme southern and southeastern parts of the United Kingdom, and below 40° at some stations in eastern and central England.

WIND

E[3] over Western Europe as a whole, and strong to a gale in force over the North Sea, and all the more northern parts of the United Kingdom.
SE[1] or S[2] in the west of France; calm or variable in the south of France, and also over the northern parts of Scandinavia.

WEATHER

Dull generally, with rain in many parts of the United Kingdom, and with snow or sleet over the northern parts of England and also at the Helder.
Fine at some of the French stations, as well as in the west of Norway.
Rain fell yesterday in most parts of England and Ireland, and also in the Netherlands and the north of France, the largest amounts being 0·7 in: in London and 0·6 in: at Orfordness.

SEA

Very high off the north and northeast of Scotland, high at Shields, and rough on our northwest, north, and east coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Scandinavia appears to be giving way slowly, but there are at present no signs of any important change in the general distribution of pressure. Unsettled weather seems likely to continue for a time over the United Kingdom generally, with easterly gales on many parts of our north and east coasts.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↓ 0 SCOTLAND NORTH	E[24] and SE[24] gales and strong winds; dull, some rain or sleet.	↓ 6 SCOTLAND WEST	E[24] gales and strong winds; unsettled, some cold rain or sleet.
↓ 1 SCOTLAND EAST	E[24] winds, strong, a gale in places; squally, some snow.	↓ 7 ENGLAND N.W.	
↓ 2 ENGLAND N.E.		8 ENGLAND S.W.	E[24] winds, freshening; dull, rainy.
↓ 3 ENGLAND EAST		↓ 9 IRELAND NORTH	Same as Nos 6 and 7.
4 MIDLAND COUNTIES	E[24] winds, freshening; dull, some cold rain or sleet.	10 IRELAND SOUTH	Same as No 8
5 ENGLAND SOUTH		WARNINGS	At 4 pm yesterday to districts 0, 6, 7, 9 Hoist North Cone. The signals are still flying there and in districts 1, 2 and 3.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·61	32	28	SE	4	bc	2
Sumburgh Head	30·41	38	37	ENE	5	0	8
Stornoway	30·16	40	37	ESE	5	0	5
Aberdeen	30·21	39	36	ESE	9	ogq	9
Shields	29·96	40	39	E	6	o	7
Ardrossan	29·90	41	41	NE	6	om	1
Malin Head ...	29·86	42	41	ESE	6	o	4
Belmullet	29·80	42	41	ENE	3	0	*
Holyhead	29·73	41	39	ENE	7	qfr	6
Valencia	29·58	44	42	ENE	6	0	5
Scilly	29·46	48	48	E	4	r	4
Jersey	29·51	48	48	SSW	3	0	3
Hurst Castle ...	29·54	44	43	ENE	4	m2	3
Dungeness ...	29·61	45	45	ESE	3	0	4
North Foreland	29·67	42	41	E	5	r	5
London (Westminster)	29·64	42	41	E	4	ogr	*
Yarmouth ...	29·76	38	37	E	8	rqqm	6
Rochefort ...	29·72	55	54	SW	4	o	*

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

Weather in morning dull over Western Europe as a whole, with rain in the west and south of England, and also over the northern and central parts of France, fine in the west of Norway and also over the Baltic Provinces, Italy, and the extreme south of France; foggy at some of the German and Austrian stations, dull over Central Russia, with snow at Moscow. Rain fallen later over nearly the whole of England, Ireland and the neighbouring parts of the Continent, – heavily in London and at Oxford.

Temperature fallen over all but the southern countries. Morning readings highest 63° at Algiers, 57° at Perpignan and La Calle, and 55° at Biarritz, Lisbon, Barcelona, and Malta. Lowest –4° F. at St Petersburg, –2° at Charkov, –1° at Rigas and +1° at Moscow and Hernösands. Below the freezing point over northern and central Europe generally. Daily maxima in our Islands below 45° on all but our extreme south and southwest coasts, and below 40° at some of the English stations. Thermometer rising to 65° or more over the southern parts of France and to 69° at Perpignan.

Wind S. over the Spanish Peninsula and the southern parts of France, but E. over nearly the whole of central and northwestern Europe; strong to a gale in force on our own northwest, north, and east coasts, as well as over the southern parts of the North Sea. Calm or variable over the northern parts of Sweden and Russia. NE. (N. to E.) over the south of Russia and also over Austria and Italy. Gale increasing later on several parts of our east and northwest coasts.

Barometer highest 30·7 in: and upwards over Finland and Scandinavia, 30·3 in: and upwards, in an anticyclone embracing all the more northern and eastern parts of Europe. Lowest 29·4 in: and less in a depression lying off the mouth of the English Channel. Depression beginning to fill up later, but new disturbance appearing off the Portuguese 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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DAILY WEATHER REPORT

for 8 a.m. on Sunday 10th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·44	13	L	0	b	30·45	−·11	10	10	−12	L	0	bc	*	b	*	25	9	—
	Hernösand ...	30·68	21	S	4	0	30·65	−·08	24	23	+6	S	2	0	*	0	*	25	12	—
	Stockholm ...	30·66	24	NE	2	0	30·65	−·04	28	26	+4	SE	4	0	*	0	*	28	19	—
	Wisby	30·60	23	ESE	4	0	30·59	−·03	23	21	0	SE	6	0	*	0	*	23	14	—
	Karlstad ...	30·55	44	E	4	0	30·53	−1·4	23	23	+1	E	2	b	*	0	*	*	*	—
	Bodö	30·49	30	E	2	bc	30·38	−·10	31	27	+1	ESE	2	bc	1	bc	*	31	27	—
	Christiansund ...	30·40	32	ESE	1	b	30·16	−·34	31	30	+4	ESE	1	b	3	b	*	32	?	—
	Skudesnaes ...	30·20	30	E	8	0	30·00	−·43	35	32	+5	ESE	9	0	5	b,0	*	36	23	*
	Færder (Christiania Fjord)	30·46	27	ENE	5	0	?	?	28	26	+4	ENE	4	b	2	0	*	28	24	—
	Skagen (The Scaw)	30·33	26	ESE	4	0	30·29	−·21	30	28	+1	SE	8	0	3	0	*	32	27	—
	Fanö	29·97	28	ESE	4	c	30·00	−·16	28	27	−2	E	9	c	*	c	*	30	27	0·04
British Islands	Sumburgh Head	30·05	[illegible]	SE	5	0	29·66	−·44	38	37	+4	SE	4	0	8	o,sp	*	38	28	0·06
	Stornoway ...	29·85	36	ESE	5	bc	29·60	−·44	29	29	−4	W	2	bc	2	o,bc	0·2	38	27	—
	Wick	29·87	34	SE	4	0	29·60	−·52	22	22	−16	NW	2	0	8	0	*	39	20	0·15
	Nairn	29·84	31	E	2	c	29·63	−·46	20	20	−16	L	0	c	0	c	*	36	17	—
	Aberdeen ...	29·55	33	ESE	7	c,q,sp	29·65	−·48	30	29	−5	NW	2	sp	7	c,q,r,sp	0·0	36	29	0·19
	Leith	29·73	35	ESE	4	b	29·60	−·41	34	32	−3	L	0	om	*	b	*	38	28	0·02
	Shields	29·70	35	E	5	or,sp	29·61	−·33	36	36	−1	L	0	r	5	oh,r,sp	*	38	33	0·08
	Spurn Head ...	29·62	34	E	6	0	29·60	−·15	40	40	+5	ESE	2	f	5	or,s,f	*	40	33	0·22
	York	29·66	34	E	2	s	29·62	−·23	35	35	0	L	0	f	*	s	0·0	36	32	0·07
	Loughborough ...	29·61	31	NE	2	s	29·60	−·16	33	33	0	SE	1	o,f,g,d	*	g,s,o,s,o	*	35	31	0·43
	Ardrossan ...	29·73	33	ENE	4	b,m	29·59	−·26	32	31	−4	NE	2	cm	1	bm	*	37	29	—
	Malin Head ...	29·60	38	SE	6	0	29·54	−·22	36	35	−3	SSE	3	o,g	2	0	*	43	35	—
	Belmullet ...	29·56	38	E	4	0	29·50	−·24	38	37	−2	ESE	2	0	*	0	*	40	34	0·02
	Donaghadee ...	29·63	36	E	9	0	29·56	−·25	38	37	−2	E	6	c	5	s,r,0	*	41	34	0·10
	Liverpool (Bidston)	29·61	33	E	2	s	29·56	−·18	33	32	−2	ESE	3	0	1	s	*	36	31	0·16
	Holyhead ...	29·51	36	E	7	0	29·51	−·16	38	36	+2	L	0	m	0	g,m,r,s,0	*	38	34	0·04
	Parsonstown ...	29·49	37	E	1	r	29·51	−·13	36	36	−3	L	0	0	*	or,0	0·0	39	35	0·04
	Valencia ...	29·45	43	L	0	0	29·49	−·08	42	40	−1	NNE	1	o,g	2	o,m,0	0·0	45	40	—
	Roche's Point ...	29·46	41	E	4	c	29·49	−·09	40	40	−4	NNE	3	om	4	c	*	44	39	0·02
	Pembroke (St. Ann's Hd.)	29·47	38	E	4	0	29·49	−·11	43	42	+4	SSE	4	o,g,m	4	0	0·0	43	38	0·10
	Scilly	29·38	50	E	3	m	29·42	−·01	47	46	−2	SE	3	c	3	m	0·0	50	45	0·15
	Frawle Point ...	29·42	47	ENE	3	0	29·52	·00	46	46	+1	SE	3	0	2	r,m,0	*	47	43	0·14
	Jersey (St. Aubin's)	29·44	49	SSE	3	c,m	29·53	·00	46	46	−1	SE	3	0	3	c,m	*	51	45	0·01
	Hurst Castle ...	29·46	43	NE	4	o,m	29·57	−·01	46	46	+2	E	1	c,m	1	o,m	*	48	42	0·02
	Dungeness ...	29·51	44	ENE	2	bc	29·58	−·03	46	45	+2	SSE	3	cp	3	f,bc	*	47	42	0·01
Germany & Holland	North Foreland	29·54	43	E	4	0	29·60	−·05	45	44	+3	S	3	0	3	o,g,p	*	45	39	0·04
	London (Brixton) ...	29·57	37	E	2	o,g,p	29·58	−·08	46	46	+6	ESE	2	o,g,m	*	o,g,p	0·0	46	35	0·05
	Oxford	29·54	34	E	1	r	29·61	−·06	38	38	+1	ENE	1	o,f	*	r,g	*	38	33	0·26
	Cambridge ...	29·59	33	E	3	0	29·62	−·10	41	40	+6	L	0	o,m	*	0	0·0	41	31	0·12
	Yarmouth ...	29·60	35	E	5	or,s,g,g	29·63	−·10	40	39	+7	SE	2	c,m	4	r,r,s,g,g	*	40	30	0·09
	Cuxhaven ...	29·86	23	ESE	6	0	29·89	−·08	21	21	0	ESE	6	bc	*	0	*	24	19	—
	Berlin	30·09	19	ESE	4	0	30·09	−·06	19	17	+2	ESE	4	0	*	0	*	21	17	0·04
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29·86	27	NE	5	bc	29·86	−·07	27	27	+4	NE	3	0	*	bc	*	32	22	—
	The Helder ...	29·68	29	E	2	0	29·73	−·07	31	30	+8	ESE	1	c	1	0	*	32	23	—
France & Belgium	Brussels ...	*	*	*	*	*	29·69	·00	39	37	−1	ENE	1	bc	*	?	*	46	38	—
	Cape Gris Nez ...	29·52	46	E	1	f	29·59	−·04	45	44	+2	SSE	2	0	2	f	*	48	37	—
	Paris	29·60	44	SE	2	0	29·63	−·05	41	40	0	SSE	1	0	*	0	*	53	41	—
	Brest	29·38	50	SSE	2	bc	29·42	+·03	46	45	−2	ESE	3	bc	3	bc	*	52	43	—
	Lorient	29·43	50	S	4	c	29·45	+·02	45	44	−3	ESE	4	f	3	c	*	46	37	—
	Rochefort ...	29·44	50	S	4	0	29·52	−·09	48	48	0	SSE	3	c	*	0	*	54	46	—
	Belfort	29·71	39	E	4	0	29·74	−·10	39	39	+8	E	4	m	*	0	*	41	31	0·28
	Lyons	29·67	53	S	2	0	29·67	−·09	44	42	0	N	1	0	*	0	*	61	44	—
	Nice	29·90	48	ENE	5	r	29·75	−·18	55	47	+5	E	4	0	4	r	*	55	46	0·08
	Perpignan ...	29·59	57	SE	2	0	29·56	−·14	52	52	+11	SE	2	0	*	0	*	66	41	—
	Biarritz ...	29·58	59	SSE	3	0	29·50	−·05	54	51	−6	S	4	0	2	0	*	64	52	—
Penin-sula.	Corunna ...																*			
	Lisbon	30·67	50	WSW	4	bc	29·74	+·08	50	48	−1	WNW	3	b	*	bc	*	55	50	0·04
	Azores (P. Delgada)	30·10	57	W	4	0	30·45		56	52		NW	3	c	2	0	*	61	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 0·0 *hrs; Brighton* ? *hrs; Hastings* ? *hrs;* Eastbourne 0·0 hrs.

WEATHER CHARTS

FOR ..... SUNDAY, 10th JANUARY, ... 1897.

BAROMETER, WIND AND SEA.

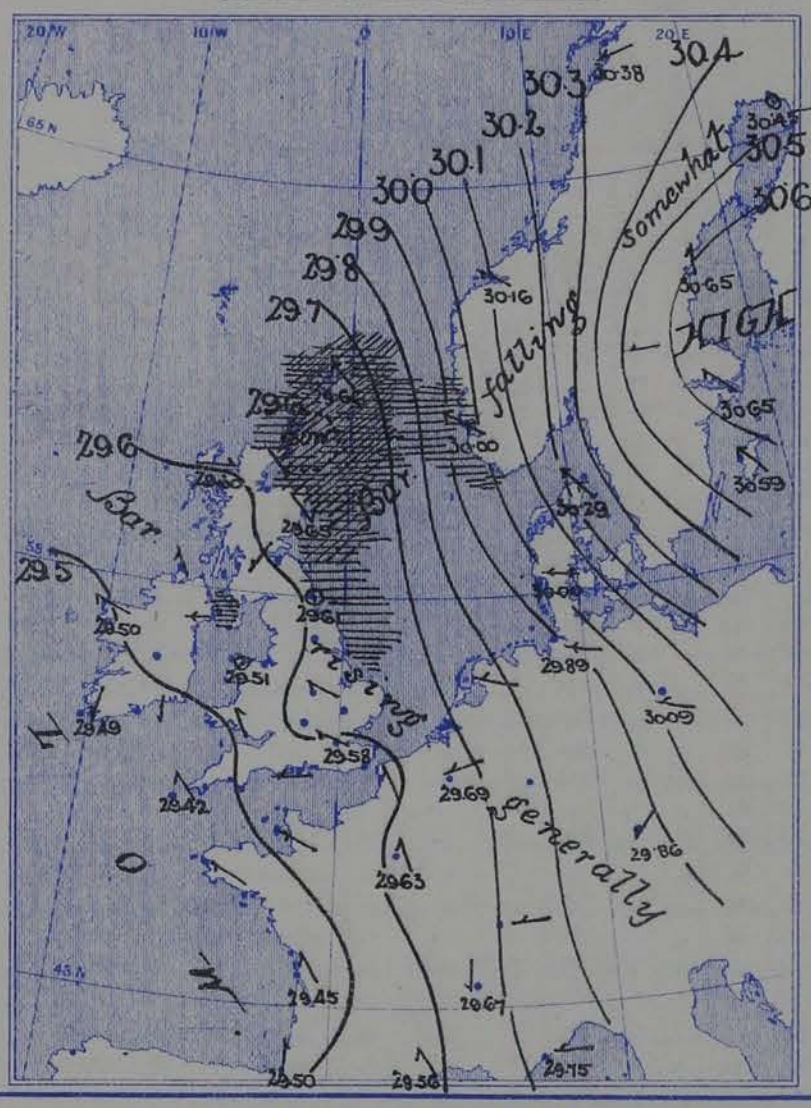
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▨

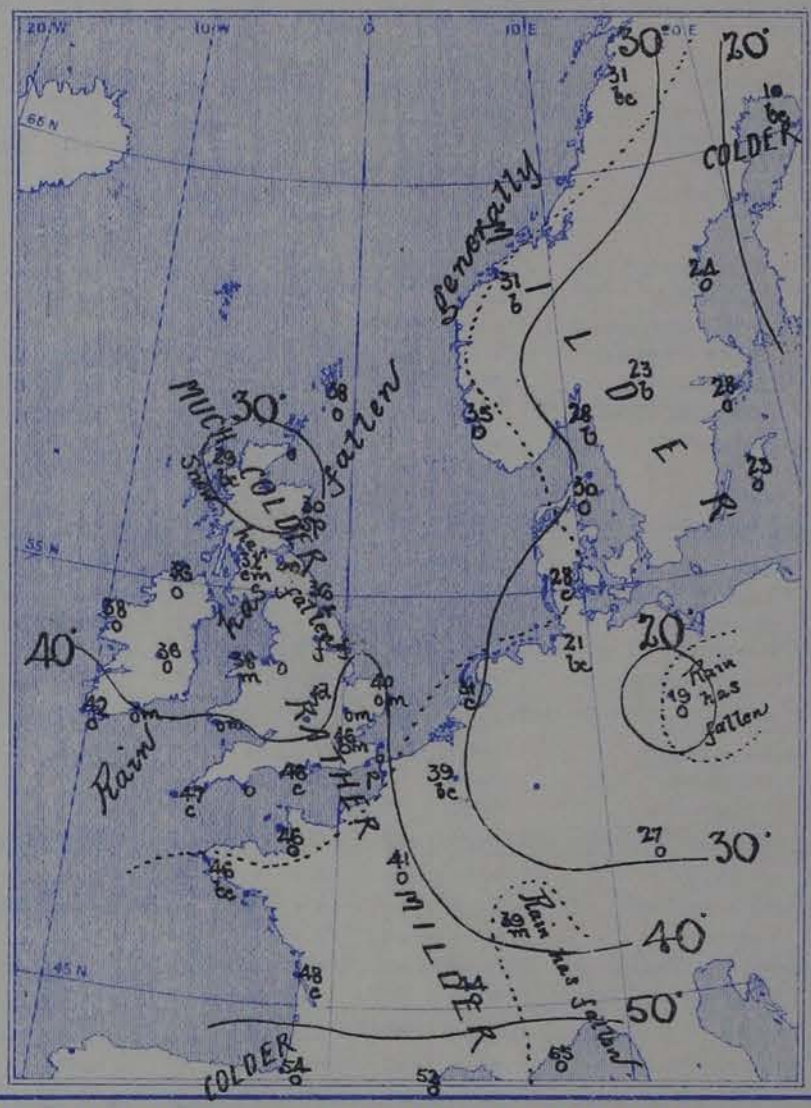


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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 · 676	39 · 4	38 · 0	42 · 5	35 · 2	51	1880, 82, 87	19	1881	3 · 85	—	—
Stornoway	29 · 688	39 · 1	38 · 2	42 · 9	34 · 0	55	1890	11	1881	5 · 17	29 · 2	13
Wick	29 · 715	37 · 9	36 · 6	42 · 0	32 · 9	57	1889	— 4	1881	2 · 24	—	—
Nairn	29 · 744	36 · 9	35 · 4	42 · 0	32 · 2	59	1887	5	1881, 95	1 · 98	—	—
Aberdeen	29 · 786	36 · 9	35 · 2	42 · 0	32 · 8	58	1889, 92	4	1881	2 · 38	52 · 6	23
Leith	29 · 821	38 · 2	36 · 7	43 · 9	33 · 3	57	1872, 80, 88,	9	1881	1 · 78	—	—
Shields	29 · 871	37 · 7	36 · 5	42 · 7	33 · 5	58	1880	6	1881	1 · 72	—	—
Spurn Head	29 · 911	37 · 3	36 · 3	41 · 2	34 · 0	54*	1884, 88	13*	1881	1 · 38	—	—
York	29 · 922	36 · 2	35 · 2	42 · 2	31 · 9	58	1872	3	1881	1 · 84	30 · 2	12
Loughborough	29 · 958	35 · 8	34 · 8	42 · 5	31 · 7	57*	1888, 94	2*	1881	2 · 01	—	—
Ardrossan	29 · 834	39 · 5	38 · 4	43 · 7	35 · 7	53	1873, 75, 92	12	1881	3 · 89	—	—
Malin Head	29 · 795	40 · 6	39 · 0	45 · 0	37 · 6	—	—	—	—	—	—	—
Belmullet	29 · 830	42 · 3	41 · 0	46 · 4	38 · 7	—	—	—	—	5 · 48	—	—
Donaghadee	29 · 854	39 · 7	38 · 9	44 · 2	35 · 8	55	1875, 80, 89, 92	20	1894	2 · 90	—	—
Holyhead	29 · 897	41 · 3	40 · 0	45 · 1	38 · 2	55	1873	20	1894	3 · 26	—	—
Liverpool	29 · 918	38 · 1	36 · 5	43 · 0	34 · 7	57	1877, 90	9	1881	2 · 18	—	—
Parsonstown	29 · 895	38 · 3	37 · 3	45 · 0	33 · 6	57	1880	6	1881, 94	2 · 99	50 · 8	21
Valencia	29 · 894	44 · 0	42 · 7	49 · 0	39 · 8	56	1876, 78	20	1894	6 · 31	56 · 1	22
Roche's Point	29 · 909	42 · 7	41 · 4	47 · 3	38 · 9	57	1889	20	1894	5 · 33	—	—
Pembroke	29 · 932	42 · 2	40 · 8	45 · 1	39 · 0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3 · 71	53 · 6	21
Scilly	29 · 960	46 · 0	44 · 4	48 · 5	42 · 3	55	1875, 76, 77, 82, 83, 90	25	1894	3 · 63	—	—
Prawle Point	29 · 991	41 · 3	40 · 3	45 · 7	37 · 0	56*	1883, 95	17*	1881	2 · 92	—	—
Jersey	30 · 012	41 · 5	40 · 0	45 · 6	37 · 9	57	1877	12	1891	3 · 21	71 · 2	27
Hurst Castle	29 · 991	39 · 6	38 · 8	44 · 4	35 · 6	56	1876, 83, 90,	15	1881	2 · 86	—	—
Dover	29 · 992	38 · 4	37 · 4	42 · 9	34 · 7	55	1878	11	1893	2 · 47	—	—
LONDON	29 · 991	37 · 1	36 · 0	43 · 4	33 · 2	58	1876	9	1881	2 · 06	19 · 3†	8†
Oxford	29 · 987	36 · 4	35 · 4	42 · 5	32 · 9	56	1877, 90	7	1881	2 · 16	47 · 1	19
Cambridge	29 · 979	35 · 6	34 · 8	42 · 7	30 · 9	59	1878, 80	4	1881	1 · 52	49 · 8	20
Yarmouth	29 · 960	37 · 0	36 · 1	40 · 9	33 · 0	55	1878, 84	10	1881	1 · 96	—	—

* 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 upwards over the Gulf of Bothnia and the northern parts of the Baltic

Lowest. 29·5 ins: and less, in a large shallow area extending from the Atlantic over the entrance southwest of our Islands, the Bay of Biscay and the west of France.

Gradients slight over our Islands, France and Germany, moderate to rather steep over Scandinavia, Denmark and the North Sea

Barometer inclined to rise in most parts of our Islands and France, but falling in Scandinavia and Denmark.

TEMPERATURE

Highest. 55° at Nice, 54° at Biarritz, 52° at Perpignan, 50° at Lisbon, 48° at Rochefort, and 47° at Scilly.

Lowest, 10° at Haparanda, 19° at Berlin, 21° at Copenhagen, 23° at Karlstad and Wisby, and 24° at Hernösand.

Frost occurred last night in many parts of Great Britain; at Wick the sheltered thermometer fell to 20°, and at Nairn to 17°.

WIND

SE² over the greater part of Western Europe, and strong to a gale over the Shetlands and also on the eastern shores of the North Sea.

Light from the W^ly or NN^ly in the north of Scotland and also at Lisbon.

WEATHER

Cloudy or dull generally with mist or fog in many parts of the United Kingdom, and with rain or snow on our east coast.

Fine in Norway and also in the north of Sweden.

Rain snow or sleet fell yesterday in most parts of our Islands – rather heavily at Loughborough.

SEA

Very high off the northeast of Scotland, rather rough off the northeast of England and also at Donaghadee, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 11^th JAN: 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The Signals are still flying in districts 0.6.7. and 9.

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	31	30	E	6	b	3
Sumburgh Head	30·18	35	33	SE	5	o	4
Stornoway	29·94	37	34	ESE	5	o	5
Aberdeen	29·97	34	32	ESE	9	cgq	9
Shields	29·79	36	34	ESE	6	ohp	7
Ardrossan	29·78	37	36	ENE	5	cm	2
Malin Head ...	29·69	43	42	E	7	o	5
Belmullet	29·62	39	38	E	5	o	*
Holyhead ...	29·57	35	34	E	8	rqms	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·48	45	43	W	0	om	2
Scilly	29·36	49	48	ENE	4	om	3
Jersey	29·44	50	47	ESE	3	bc	3
Hurst Castle ...	29·50	44	43	NE	3	om	2
Dungeness ...	29·53	44	44	NNE	3	f	2
North Foreland	29·58	40	40	E	4	f	4
London (Westminster)	29·58	38	37	ENE	3	og	*
Yarmouth ...	29·63	33	32	E	6	o	6
Rochefort ...	29·52	52	51	SSE	5	o	*

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

Weather is mostly dull over the greater part of Europe, with rain in many parts of our Islands, and snow or sleet in the north of England as well as at the Hilder and Helsingfors. Snow or rain falling also at many of the Austrian stations. Fine in the west of Norway, and also in some parts of Central France and southern Italy. Snow falling later in Scotland, and rain at most of our southern stations, as well as in the east and south of France.

Temperature fallen generally, but risen in the north of Sweden, as well as in Poland and Italy. Morning readings highest, 66° at Algiers, 60° at Biarritz, 59° at Malta and 55° at La Calle and Tunis; above 45° in the Scilly and Channel Islands. Lowest −2° F. at Kuopio −1° at Moscow and Kiew, and +1° at Memel; considerably below the freezing point in most parts of northern and central Europe, and very little above it in the central parts of Great Britain. Daily maxima below 40° at all but our extreme western and southern stations, thermometer exceeding 50° in the north of France, exceeding 60° in the south of that country, and reaching 66° at Perpignan. Sharp frost occurring in north of Scotland at night; shelter thermometer falling to 17° at Nairn.

Winds E? over western and central Europe generally, and strong to a gale over Denmark, the North Sea, and all the more northern parts of our Islands. Calm or light from the SW? over the northern part of Sweden and Russia; N? or NE? over the south of Russia and also over the greater part of Italy. W? over the Spanish Peninsula; S? or SE? in the west and north of France. No important change occurring over Western Europe during day.

Barometer highest 30·82 ins. at Kuopio, 30·3 ins. and upwards in an anticyclone embracing all the northern and eastern parts of the Continent. Lowest 29·4 ins. and less in a shallow depression lying over the northern part of the Bay of Biscay (Gradients rather steep over the North Sea and all the more northern part of the United Kingdom). General fall taking place over Western Europe during day, change greater in north, and gradient consequently becoming less steep.

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, 11th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·50	17	N.	0	bc	30·53	+·08	16	15	+ 6	W	2	0	*	bo	*	18	9	-
	Hernösand ...	30·64	22	S	2	0	30·60	−·05	23	21	− 1	N.	0	0	*	0	*	25	18	-
	Stockholm ...	30·62	26	SE	2	0	30·62	−·03	26	24	− 2	SE	4	0	*	0	*	28	23	-
	Wisby	30·59	19	SE	4	0	30·56	−·03	23	22	0	SE	4	b	*	0	*	23	16	-
	Karlstad ...	30·53	26	E	4	0	30·53	·00	23	22	0	E	4	0	*	0	*	*	*	-
	Bodö	30·27	30	NNE	2	b	30·19	−·19	29	22	− 2	E	2	b	1	b	*	32	24	-
	Christiansund ...	30·08	38	ESE	5	c	30·09	−·07	39	37	+ 8	ESE	1	0	3	c	*	39	30	-
	Skudesnaes ...	30·06	37	ESE	8	c	30·10	+·10	36	33	+ 1	SE	6	c	5	c	*	36	23	*
	Færder (Christiania Fjord)	30·45	28	E	4	c	30·44	[illegible]	26	24	− 2	NE	3	0	2	c	*	28	26	-
	Skagen (The Scaw)	30·36	28	SE	4	c	30·36	+·07	27	26	− 3	ESE	4	bc	1	c	*	32	24	-
	Fanö	30·05	28	ESE	8	0	30·04	+·04	30	29	+ 2	ESE	4	0	*	0	*	30	28	-
British Islands.	Sumburgh Head	29·69	40	SE	6	r	29·76	+·10	41	40	+ 3	SE	7	0	9	r	*	41	38	0·23
	Stornoway ..	29·65	32	N.	0	0	29·65	+·05	42	40	+ 13	NNW	3	0	3	bc, o	2·3	42	26	.
	Wick	29·66	28	S	2	0	29·67	+·07	42	41	+ 20	S	4	0	6	0	*	42	21	0·06
	Nairn	29·67	30	N.	0	0	29·69	+·06	31	31	+ 11	N.	0	c	1	0	*	33	19	-
	Aberdeen ...	29·73	33	NW	2	oq	29·77	+·12	41	41	+ 11	SE	4	ogamq	6	0	0·0	42	30	0·06
	Leith	29·66	35	N.	0	m	29·74	+·14	36	34	+ 1	ESE	1	0	*	m	*	38	30	0·03
	Shields	29·71	39	S	2	oam	29·75	+·14	41	41	+ 5	ESE	2	a	4	oam	*	41	34	0·01
	Spurn Head ...	29·71	42	ENE	1	f	29·73	+·11	39	39	− 1	E	3	0	4	ofr	*	42	39	0·11
	York	29·71	38	N.	0	o	29·76	+·14	40	40	+ 5	ENE	1	r	*	0	0·0	40	34	0·16
	Loughborough ...	29·70	35	NE	1	f	29·75	+·15	35	35	+ 2	SW	1	f	*	fa.p.f	*	36	33	0·20
	Ardrossan ...	29·65	37	N.	0	of	29·69	+·10	38	38	+ 6	NE	1	of	1	of	*	38	31	0·01
	Malin Head ...	29·61	38	SSE	3	oqm	29·64	+·10	38	38	+ 2	SSE	3	cm	2	oqm	*	39	36	-
	Belmullet ...	29·59	44	ESE	1	o	29·66	+·16	41	40	+ 3	ESE	2	or	*	o	*	47	35	0·03
	Donaghadee ...	29·63	41	ESE	5	0	29·70	+·14	45	45	+ 7	SSW	5	r	4	0	*	45	38	0·04
	Liverpool (Bidston)	29·67	36	ESE	3	0	29·75	+·19	37	37	+ 4	ESE	.	f	?	f	*	39	33	0·13
	Holyhead ...	29·63	44	SE	1	oqm	29·73	+·22	40	39	+ 2	SE	1	f	0	oqm	*	45	36	-
	Parsonstown ...	29·61	40	N.	0	0	29·71	+·20	32	32	− 4	N.	0	bc	*	0	0·0	41	32	-
	Valencia ...	29·62	44	SE	1	qr	29·71	+·22	42	41	0	ESE	1	op	2	rq	0·0	47	37	0·05
	Roche's Point ..	29·63	42	N	1	c	29·72	+·23	38	38	− 2	NNE	2	f	4	c	*	44	36	-
	Pembroke (St. Ann's Hd.)	29·66	43	E	4	0	29·73	+·24	43	42	0	ESE	2	ogm	4	0	0·0	43	42	-
	Scilly	29·54	48	ENE	4	c	29·69	+·27	48	47	+ 1	NNW	1	c	3	0, c	0·0	50	46	0·02
	Prawle Point ..	29·60	46	ENE	3	0	29·73	+·21	44	44	− 2	NE	3	c	2	c, f	*	48	43	0·01
	Jersey (St. Aubin's)	29·54	48	ENE	1	b	29·71	+·18	45	44	− 1	NNW	1	bcm	1	bc, bw	*	51	41	0·01
	Hurst Castle ...	29·62	46	E	2	0	29·70	+·13	44	43	− 2	NE	2	om	1	op	*	46	44	0·07
	Dungeness ...	29·60	46	NNW	2	c	29·67	+·09	42	42	− 4	NNE	2	f	1	c	*	48	36	-
	North Foreland	29·66	44	SE	2	c	29·69	+·09	41	41	− 4	NW	3	0	2	c	*	50	39	-
	London (Kew Obsn.) ...	29·65	46	SE	2	om	29·72	+·14	39	39	− 7	N.	0	ogm	*	om, r, of	0·0	47	38	0·08
	Oxford	29·68	43	SE	1	r	29·74	+·13	39	39	+ 1	NNE	1	0	*	ofr	*	45	38	0·21
	Cambridge ...	29·69	42	NE	1	f	29·74	+·12	38	38	− 3	N	1	f	*	of	0·0	45	37	0·01
	Yarmouth ...	29·66	41	E	3	c	29·71	+·08	39	38	− 1	E	2	c	3	c	*	42	37	0·01
Germany & Holland.	Cuxhaven ...	29·97	22	ESE	6	0	29·93	+·04	22	22	+ 1	ESE	6	0	*	0	*	25	21	-
	Berlin	30·12	20	ESE	4	0	30·09	−·00	17	16	− 2	ESE	3	0	*	0	*	21	16	-
	Wiesbaden ...	*	*	*	*	*	29·76		35	33		NE	1	0	*	*	*	39	32	-
	Munich	29·80	28	E	3	c	29·73	−·13	26	26	− 1	E	2	f	*	c	*	32	25	-
	The Helder ...	29·77	30	E	2	b	29·77	+·04	27	27	− 4	E	1	0	1	b	*	32	27	-
Belgium.	Brussels ...	*	*	*	*	*	29·71	+·02	39	38	+ 10	NNE	1	0	*	0	*	49	?	-
	Cape Gris Nez ...	29·62	43	E	1	m	29·61	+·08	40	39	− 5	E	1	f	1	m	*	50	36	-
	Paris	29·62	44	NE	2	b	29·66	+·03	39	39	− 2	NNE	2	0	*	b	*	51	36	-
	Brest	29·50	49	ENE	2	c	29·70	+·28	44	43	− 2	N	1	b	2	c	*	50	37	-
	Lorient	?	48	ESE	4	0	29·69	+·24	42	42	− 3	ENE	1	m	2	0	*	54	36	-
France &	Rochefort ...	29·54	50	SSE	3	b	29·66	+·14	43	43	− 5	SE	1	f	*	cb	*	55	41	-
	Belfort	29·71	35	E	4	f	29·76	+·02	30	30	− 9	E	3	f	*	f	*	43	30	0·08
	Lyons	29·64	45	N	1	0	29·68	+·01	42	42	− 2	NW	1	0	*	0, r	*	51	42	-
	Nice	29·72	50	E	4	0	29·69	−·06	46	45	− 9	E	2	r	4	0	*	55	45	0·84
	Perpignan ...	29·91	50	N	1	0	29·63	+·07	49	45	− 3	NNW	2	0	*	0	*	63	43	0·28
	Biarritz ...	29·57	53	NNW	6	0	29·68	+·18	51	51	− 3	N	6	r	4	0	*	59	48	0·08
Peninsula.	Corunna ...																*			
	Lisbon	29·90	51	NNW	3	b	30·08	+·34	50	48	0	NNW	3	b	*	b	*	55	48	-
	Azores (P. Delgada)	30·27	56	NW	4	c	30·28	+·13	59	57	+ 3	W	4	0	2	c	*	61	55	-

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

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

Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·0 hrs; Hastings 0·4 hrs; Eastbourne 0·0

WEATHER CHARTS

FOR Monday, 11th January, 1897.

BAROMETER, WIND AND SEA.

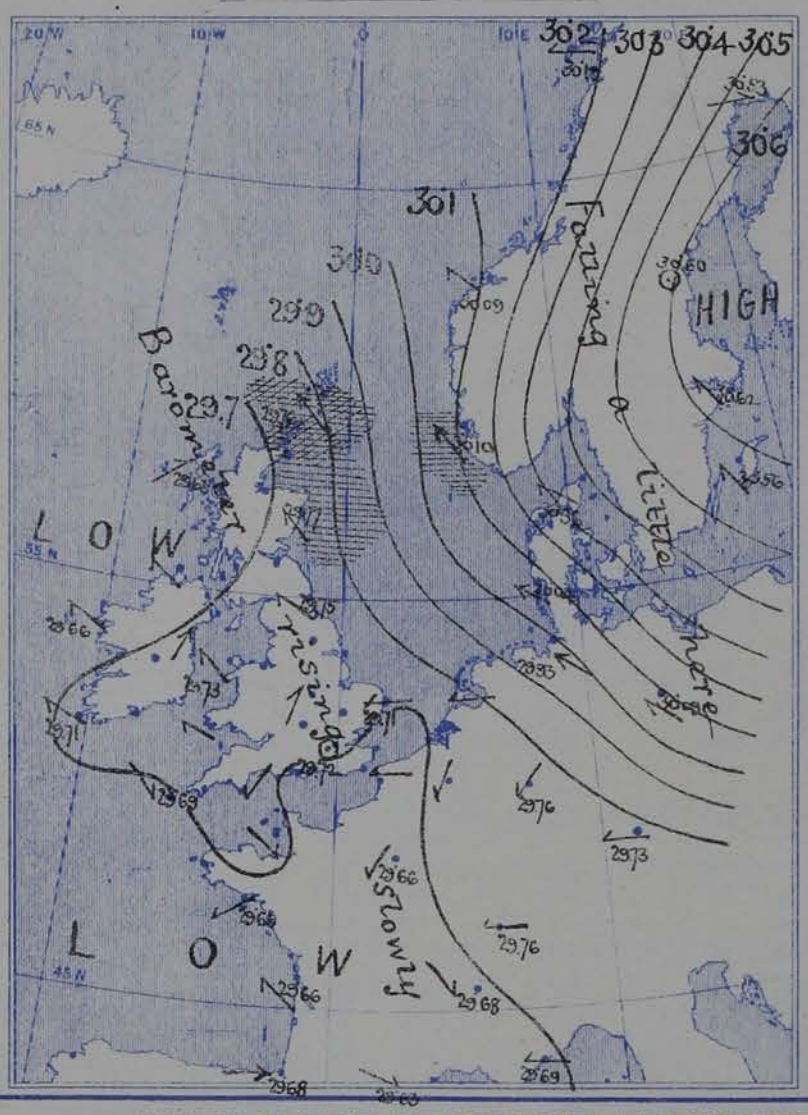
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

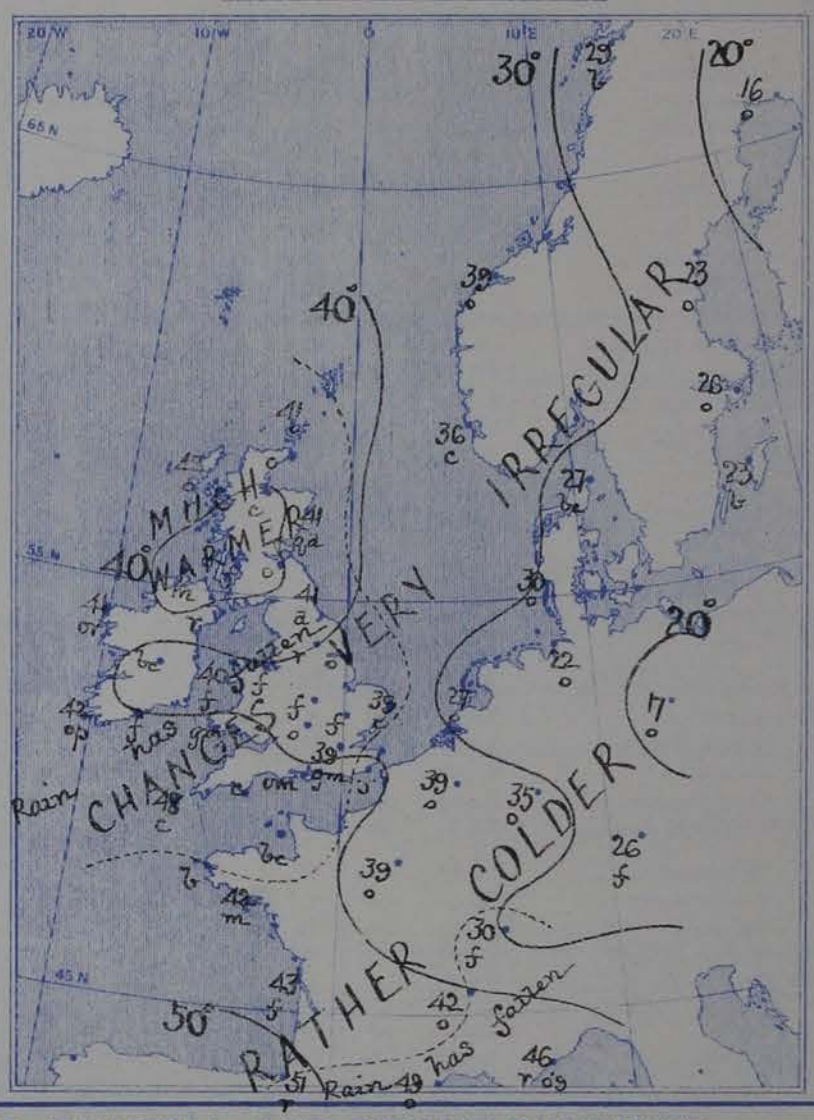


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	—4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 in. and upwards, in an anticyclone lying over the Gulf of Bothnia: 30·0 in. and upwards in the south of Portugal
Lowest, 29·7 in. and less over the north of Ireland and the west of Scotland, and also over France, Belgium and the southeast of England.
Gradients very slight over our Islands and France, but moderate over Denmark and the North Sea, and rather steep over Scandinavia.
Barometer rising a little in most places, but falling at some of the Scandinavian, Danish, and German stations.

TEMPERATURE

Highest, 51° at Biarritz, 50° at Lisbon, 49° at Perpignan, 48° at Sicily, 46° at Nice, and 45° at Valentia and Jersey.
Lowest, 16° at Haparanda, 17° at Berlin, 22° at Copenhagen, and 23° at Hernösand, Karlstad and Wisby.
A considerable rise has taken place in the north of Scotland, the change at Wick since yesterday morning being as much as 20°.

WIND

Light from the E. or NE. over the greater part of England, the south of Ireland, the Netherlands, and the north of France.
Moderate from the S. or SE. in Scotland and the north of Ireland; strong from SE. in the Shetlands and also on the eastern shores of the North Sea.
W. in the extreme south of France, and strong in force at Biarritz.

WEATHER

Dull over Western Europe generally, with fog or mist in many parts of our Islands, France, and Germany, rain at several of our northern stations, and passing showers at Valencia (Ireland).
Rain is also falling at Nice and Biarritz.
A little rain fell yesterday in many parts of the United Kingdom, and larger quantities in the south of France. A lunar halo was seen at Jersey.

SEA

Extremely high at Lerwick, Pentland Firth, rough off the northeast of Scotland generally, and rather rough at Shetland, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any material improvement in the weather. The rise of the barometer in the west is extremely slight, and it seems not unlikely that further depressions will shortly appear off the Irish coasts. The conditions are also becoming favourable for the development of shallow depressions over France.

FORECASTS

For the 24 hours ending at NOON on 12th JANY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and SE. winds, freshening; dull, rain locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Variable or E. airs; dull, misty or foggy, slight rain locally.
6	SCOTLAND WEST	E. and SE. winds, light or moderate; dull, foggy, rain locally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. winds, light or moderate; cloudy, local showers.
9	IRELAND NORTH	SE. winds, freshening; 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 ...							
Sumburgh Head							
Stornoway	29.64	38	35	1	0	bc	0
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.56	37	37	SSE	4	0	2
Belmullet	29.55	40	40	ESE	1	0	*
Holyhead							
Valencia							
Scilly							
Jersey	29.58	50	48	ESE	3	bc	3
Hurst Castle ...							
Dungeness ...	29.62	47	46	1	0	c	0
North Foreland	29.64	46	45	SSE	3	c	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.62	54	52	SSE	3	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 3rd TO THE 9th JANUARY 1897.

The weather of this period was extremely unsettled, with frequent falls of rain and with gales on all but the English Channel coasts. Temperature was fairly high for the time of year in the west and north, but somewhat below the average in the eastern, central, and southern parts of the United Kingdom.

At the commencement of the week the anticyclone hitherto noticed over our Islands was moving away to the Continent, while depressions were passing along our extreme northern coasts, the disturbance of the 3rd being attended by gales in nearly all parts of Ireland and Scotland.

Later on the anticyclone, which had increased both in size and height, moved on to Scandinavia and Russia, in which position it remained until the end of the week. Over our Islands the weather now came under the influence of a well marked and rather deep depression, the centre of which appeared off our extreme southwest coasts, the disturbance occasioning general falls of rain,—heavy in the southwest, and strong SE. gales on our own western and northern coasts. Towards the close of the week the high pressure system over Northern Europe extended westward towards the north of Scotland, and the wind in our Islands shifted more to the eastward. The depression in the southwest was in the meantime joined by other disturbances which occasioned strong E. gales in all the more northern parts of our Islands with frequent rain over England. On Saturday when the temperature became lower, snow or sleet was experienced at many of our northern, eastern, and central stations, and at night a sharp frost occurred in the north of Scotland, the sheltered thermometer at Nairn fell to 17°.

On the northeast coasts of Scotland a gale from the SE. or E. blew almost continuously from early on Wednesday until quite the close of the week, the sea in that neighbourhood being exceedingly high.

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 6 per annum.
,, Weekly ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 12th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·41	26	SSW	4	o	30·28	−·25	27	25	+ 11	SW	2	o	≡	o	*	27	5	—
	Hernösand ...	30·48	21	S	6	o	30·34	−·36	19	17	− 4	S	4	o	≡	o	*	27	19	—
	Stockholm ...	30·52	25	SE	2	b	30·34	−·28	21	21	− 5	E	2	b	*	b	*	28	21	—
	Wisby	30·48	22	SE	4	b	30·23	−·33	25	24	+ 2	SE	4	bc	*	b	*	27	16	—
	Karlstad ...	30·44	19	E	2	c	30·23	−·30	20	18	− 3	NE	2	b	*	c	*	*	*	—
	Bodö	30·12	25	ENE	6	b	29·97	−·22	27	23	− 2	ENE	5	r	2	b	*	29	23	—
	Christiansund ...	30·01	38	ESE	3	c	29·89	−·20	40	34	+ 1	E	2	c	3	c	*	40	34	—
	Skudesnaes ...	30·04	36	SE	4	c	29·94	−·16	33	29	− 3	SE	6	o	4	c	*	37	30	*
	Færder (Christiania Fjord)	30·36	26	NE	2	b	30·17	−·27	26	25	0	NE	3	o	2	b	*	27	25	—
	Skagen (The Scaw)	30·23	28	SE	5	b	30·08	−·28	30	30	+ 3	ESE	3	o	1	b	*	30	27	—
	Fanö	29·97	29	ESE	5	o	29·89	−·15	28	28	− 2	ESE	6	o	≡	o	*	30	28	—
	Sumburgh Head	29·75	40	SE	7	r	29·63	−·13	43	42	+ 2	SSW	2	o	7	o,r	*	43	39	0·23
	Stornoway ...	29·62	43	SSW	3	o	29·64	−·01	40	39	− 1	W	2	o	2	r.o	0·0	43	36	0·20
	Wick	29·67	43	S	6	o	29·62	−·05	40	40	− 2	S	2	c	4	o	*	43	38	—
	Nairn	29·67	35	2	o	r	29·65	−·04	33	33	+ 2	2	o	o	1	qr	*	37	29	0·01
	Aberdeen ...	29·76	40	SE	2	og	29·72	−·05	40	39	− 1	S	2	cm	≡	gmd.og	0·0	42	39	0·01
	Leith	29·71	37	2	o	f	29·71	−·03	39	39	+ 4	2	o	of	*	f	*	40	33	—
	Shields	29·75	41	ESE	2	o	29·75	·00	39	39	− 2	SW	1	f	3	d,o	*	42	38	0·01
	Spurn Head ...	29·74	39	E	1	o	29·73	·00	39	39	0	2	o	fg	3	ogm	*	40	38	—
	York	29·76	41	ENE	1	o	29·73	−·03	38	38	− 2	NNE	1	f	*	o	0·0	41	37	0·04
	Loughborough ..	29·76	39	N	1	o	29·75	·00	38	38	+ 3	ESE	1	f	*	f,om,f	*	39	35	—
British Islands.	Ardrossan ...	29·70	39	N	1	of	29·70	+·01	40	40	+ 2	NNE	1	of	1	of	*	40	37	0·10
	Malin Head ...	29·65	39	S	3	cm	29·66	+·02	38	37	0	S	1	cm	o	cm	*	41	36	—
	Belmullet ...	29·66	41	SSE	2	c	29·60	−·06	39	37	− 2	SSE	3	o	*	b,e	*	48	37	—
	Donaghadee ...	29·71	39	NW	2	c	29·70	·00	39	39	− 6	WNW	3	m	1	c	*	45	38	0·02
	Liverpool (Bidston)	29·77	39	2	o	f	29·72	−·03	33	33	− 4	ESE	3	f	?	f	*	40	33	—
	Holyhead ...	29·73	44	2	o	ogm	29·69	−·04	42	41	+ 2	E	1	cm	o	fg,ogm	*	45	39	—
	Parsonstown ...	29·69	36	SE	1	b	29·60	−·11	42	41	+ 10	E	1	bc	*	b,p	3·7	43	31	—
	Valencia ...	29·63	46	SSE	1	c	29·47	−·24	49	47	+ 7	E	5	o	4	cm,c	1·9	49	40	0·01
	Roche's Point ..	29·71	44	ESE	2	cm	29·55	−·17	46	46	+ 8	SE	5	p	4	cm	*	46	38	0·08
	Pembroke (St. Ann's Hd.)	29·72	43	SE	3	f	29·65	−·08	43	43	0	ESE	4	f	3	f	0·0	45	41	0·04
	Scilly	29·72	49	SSW	1	bc	29·56	−·13	50	48	+ 2	SE	5	or	4	p,c,bc	1·6	50	45	—
	Prawle Point ...	29·72	46	NW	2	o	29·68	−·05	46	45	+ 2	SSW	2	cm	1	cm,rm	*	48	43	0·02
	Jersey (St. Aubin's)	29·77	46	NNE	1	bcm	29·72	+·01	46	45	+ 1	ESE	3	cm	3	o,bcm	*	48	42	—
	Hurst Castle ...	29·75	43	NE	1	f	29·73	+·03	41	40	− 3	ENE	2	cm	1	cm,f	*	45	41	—
	Dungeness ...	29·71	40	NNE	2	m	29·72	+·05	39	39	− 3	NNW	1	o	o	m,f	*	42	38	0·01
	North Foreland	29·73	41	N	2	f	29·74	+·05	39	38	− 2	N	2	og	2	o,f	*	42	36	—
	London (Brixton) ...	29·75	39	WSW	1	og	29·74	+·02	40	40	+ 1	N	1	og	*	fg,od	0·0	42	38	—
	Oxford	29·78	40	ENE	1	og	29·75	+·01	39	38	0	N	1	og	*	og	*	40	38	—
	Cambridge ...	29·76	39	N	1	f	29·75	+·01	39	39	+ 1	NNW	1	f	*	f,d	0·0	40	37	0·01
	Yarmouth ...	29·72	39	ENE	2	c	29·72	+·01	38	37	− 1	NW	2	f	4	c	*	40	36	—
Germany & Holland.	Cuxhaven ...	29·91	22	E	6	o	29·82	−·11	22	22	0	ESE	3	o	*	o	*	25	19	—
	Berlin	30·01	18	NNE	4	o	29·87	−·22	25	24	+ 8	NNE	3	o	*	o	*	25	17	—
	Wiesbaden ...	*	*	*	*	*	29·80	+·04	33	31	− 2	NE	1	o	*	z	*	37	30	—
	Munich... ..	29·73	30	2	o	f	29·74	+·01	26	26	0	W	1	f	*	f	*	30	25	—
	The Helder ...	29·78	28	E	1	o	29·75	−·02	25	25	− 2	E	1	m	1	f,o	*	28	25	—
Belgium.	Brussels ...	*	*	*	*	*	29·75	+·04	35	35	− 4	WSW	1	f	*	o	*	46	32	—
	Cape Gris Nez ..	29·71	41	NE	1	f	29·77	+·10	40	39	0	NNE	1	f	1	f	*	45	34	—
	Paris	29·72	44	NNE	1	r	29·75	+·09	41	41	+ 2	NNW	1	m	*	r	*	48	39	—
	Brest	29·78	49	2	o	bc	29·62	−·08	46	45	+ 2	SSE	3	c	3	bc	*	52	41	—
	Lorient... ...	29·82	46	NW	3	o	29·69	·00	45	44	+ 3	SE	4	c	4	o	*	46	39	—
France &	Rochefort ...	29·76	48	NW	3	c	29·76	+·10	44	44	+ 1	SE	2	c	*	c	*	50	43	—
	Belfort	29·72	30	E	1	f	29·82	+·06	28	28	− 2	2	o	f	*	f	*	35	27	—
	Lyons	29·71	46	NW	1	o	29·76	+·08	43	42	+ 1	N	1	m	*	o	*	51	42	—
	Nice	29·63	45	2	o	o	29·68	−·01	44	44	− 2	2	o	f	5	o	*	52	43	0·55
	Perpignan ...	29·73	52	NW	3	o	29·78	+·15	51	45	+ 2	NW	4	bc	*	o	*	56	48	—
	Biarritz ...	29·81	53	W	6	r	29·80	+·12	49	47	− 2	S	3	o	3	r	*	54	48	0·47
Peninsula.	Corunna ...																*			
	Lisbon	30·15	53	WSW	4	r	30·06	−·08	55	54	+ 5	WSW	4	r	*	r	*	56	52	0·20
	Azores (P. Delgada)	30·32	59	WSW	5	bc	30·33	+·05	60	59	+ 1	WNW	4	mi	4	bc	*	61	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* ~~sower of the~~ *Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·0 *hrs; Brighton* 0·0 *hrs; Hastings* 0·0 *hrs;* Eastbourne 0·0 hr:

WEATHER CHARTS

FOR Tuesday, 12th January, 1897.

BAROMETER, WIND AND SEA.

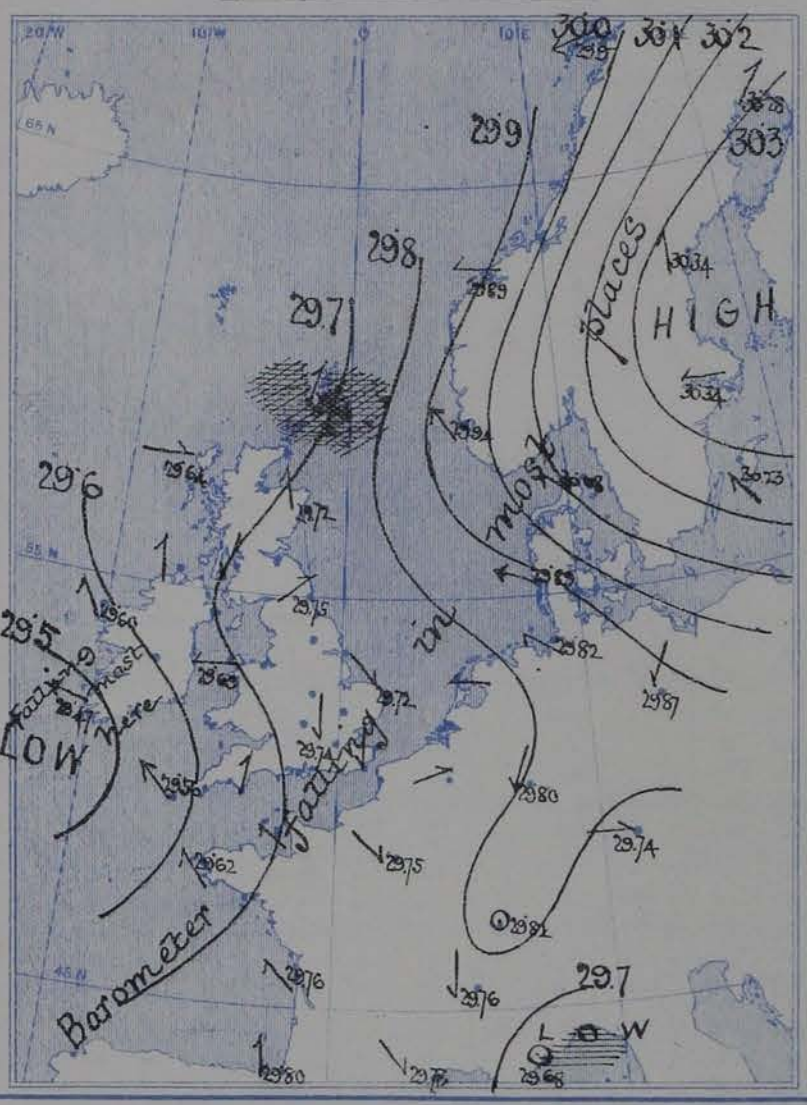
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▨

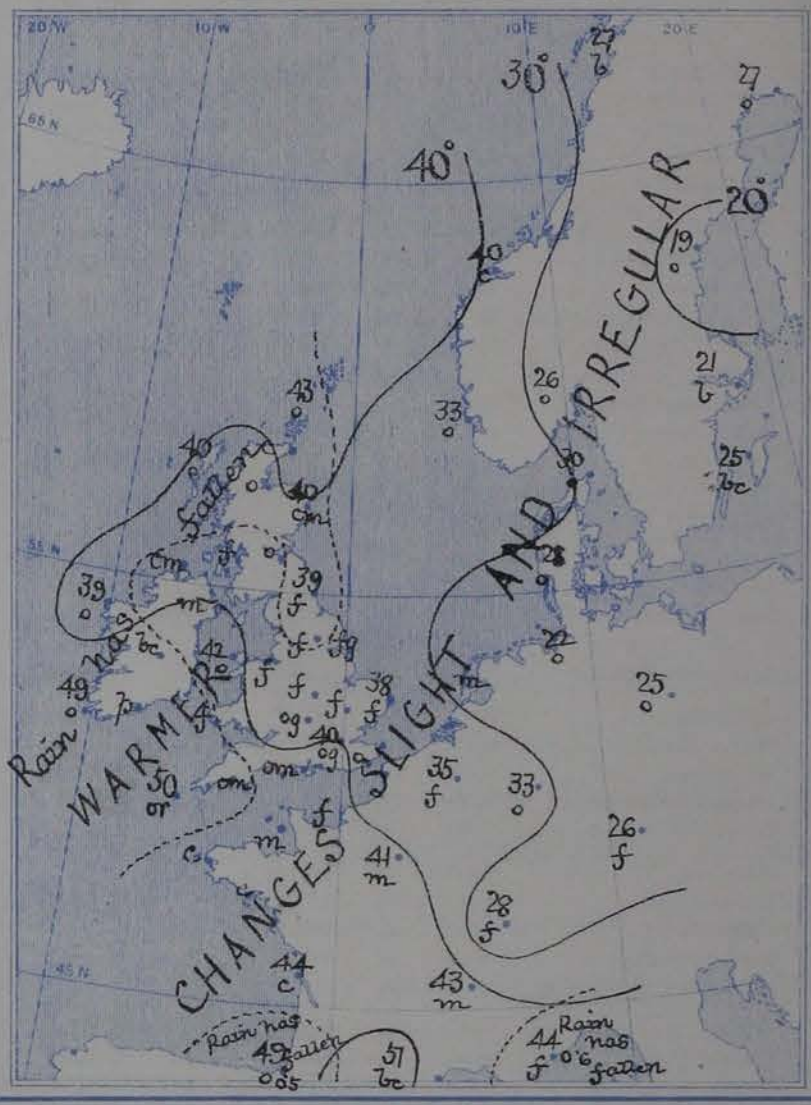


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	32·2	58	1870	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.2 ins. and upwards over the Gulf of Bothnia and the northern part of the Baltic. Lowest 29.5 ins. and less in a depression lying to the southwestward of Ireland. Gradients moderate or slight generally. Barometer falling in most parts of our area,—rather decidedly on our extreme southwest coasts.

TEMPERATURE — Highest 51° at Biarritz, 50° at Scilly, 49° at Valencia (Ireland) and Perpignan, and 46° at Roches Pt., Prawle Pt., Jersey and Brest. Lowest 19° at Hernösand and Karlstad, 21° at Stockholm, 22° at Cuxhaven, and 25° at Wisby, Berlin and the Helder. The maxima registered yesterday were below 45° on all but our W. and SW. coasts; at many of our N.n, E.n and central stations the thermometer did not exceed 40°.

WIND — SE by S on the west coasts of our Islands and France, and freshening in the south of Ireland and at the mouth of the Channel. Light from the N.wd over the central and southeastern parts of England and also over central France. Light from the S.wd on our northeast coasts; strong from the SE.wd on the eastern shores of the North Sea.

WEATHER — Cloudy or dull over W.n Europe generally, with mist or fog in many places, and with showers on our extreme southwest coasts. Fine over the southern parts of Sweden. Slight rain fell yesterday in several parts of the United Kingdom, and larger quantities in the extreme south of France. A Lunar halo was seen at Wick.

SEA — High at Sumburgh Hd., and rather rough at Nice, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is approaching our extreme SW. coasts, and freshening SE by S winds are probable in many parts of our Islands, with a gale in the SW.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S by E to SE by E winds, freshening; fair at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Variable airs and foggy or misty weather, followed by freshening SE by E breezes & some rain.
6	SCOTLAND WEST	SE by E winds, freshening; foggy or misty at first, some rain later.
7	ENGLAND N.W.	
↑ 8	ENGLAND S.W.	SE by E winds increasing to a gale, dull, rainy.
9	IRELAND NORTH	Same as Nos. 6 and 7.
↑ 10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	At 10.20 am. today to districts 8 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 ...	30·05	37	32	SE	6	c	4
Sumburgh Head	29·75	40	40	SE	4	o	9
Stornoway	29·64	42	41	SSW	3	r	3
Aberdeen	29·76	40	39	SE	3	ogmd	6
Shields	29·74	41	41	ESE	2	o	4
Ardrossan	29·68	38	38	N	1	o	1
Malin Head ...	29·65	41	41	S	2	c	1
Belmullet	29·66	48	45	ESE	1	b	*
Holyhead	29·73	44	43	S	1	ogf	0

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·65	48	45	SSE	3	c	4
Scilly	29·72	49	47	NNW	2	c	3
Jersey	29·74	47	46	N	2	o	2
Hurst Castle ...	29·72	44	43	ENE	1	om	1
Dungeness ...	29·67	42	42	NNE	1	fo	0
North Foreland	29·73	42	41	N	2	o	2
London (Westminster)	29·73	40	39	NE	1	og	*
Yarmouth ...	29·71	39	38	E	2	c	4
Rochefort ...	29·67	46	46	N	2	f	*

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

Weather in morning dull over the greater part of our Islands and the Continent, with fog or mist in many places; rain falling at several of our own northern stations, as well as in the south of France and at Palma and Malta; snow reported at Lemberg and Odessa. Slight rain falling during day in several parts of the United Kingdom and larger quantities in the S. of France; lunar halo seen at Wick.

Temperature fallen over N^rn Europe generally, but changed very irregularly elsewhere. Morning reading, highest 64° at Palermo, 61° at Malta, 59° at Brindisi, and 58° at Naples; above 50° at most of the Mediterranean and Adriatic stations. Lowest −3° at Riga, Moscow and Kiew, +1° at Memel, and 4° at Nicolaieff; below the freezing point over northern, eastern and central Europe generally, and also over central Scotland. Daily maxima below 45° in all the more northern and eastern parts of our Islands, and below 40° at some of the northern and central stations; thermometer exceeding 50° in the W. and S. of France, and reaching 56° at Perpignan.

Wind light from the E^wd or NE^wd over the greater part of England, the S. of Ireland, the Netherlands and the N of France. Moderate from the S^wd or SE^wd in Scotland and the N. of Ireland. SE^ly over the more central parts of the Continent generally, as well as in Italy, and strong in force in Denmark and the south of Norway. W^ly in the south of France, NW^ly over the Spanish peninsula. Subsequently shifting to the SE^wd in the south of Ireland; no decided change occurring elsewhere.

Barometer highest 30·7 ins. and upwards in the W. and S. of Russia, 30·3 ins. and upwards in an anticyclone embracing the greater part of N^rn and E^rn Europe; 30·1 ins. and upwards in another system lying to the SW^wd of the Spanish peninsula. Lowest 29·7 ins. and less in the W. of Scotland and the N. of Ireland, and also over the Bay of Biscay, France and the extreme SE. of England. No material change occurring over W^rn Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 13th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·12	15	S	2	b	30·00	−·28	26	24	− 1	SW	2	0	*	b	*	27	12	-
	Hernösand ...	30·19	16	Z	0	c	30·01	−·33	19	19	0	Z	0	0	*	c	*	23	12	-
	Stockholm ...	30·11	30	ESE	2	0	29·98	−·36	28	27	+ 7	SE	4	0	*	0	*	30	19	-
	Wisby	30·05	27	SE	4	0	29·90	−·33	26	25	+ 1	SE	4	0	*	0	*	28	18	0·08
	Karlstad ...	30·01	27	ENE	2	0	29·90	−·33	27	26	+ 7	ENE	2	0	*	0,s	*	*	*	-
	Bodo	29·85	24	ENE	6	b	29·71	−·26	23	18	− 4	ENE	6	c	2	b	*	27	21	-
	Christiansund ...	29·81	39	ESE	3	0	29·75	−·14	35	33	− 5	SSE	1	0	3	0	*	40	32	-
	Skudesnaes ...	29·91	34	SE	2	0	29·84	−·10	33	33	0	SSE	4	S	4	0	*	34	30	*
	Færder (Christiania Fjord)	30·00	26	NE	3	0	29·89	−·28	26	26	0	NNE	2	m	2	0	*	27	?	-
	Skagen (The Scaw)	29·90	31	E	3	0	29·86	−·22	31	30	+ 1	ENE	1	0	0	0	*	32	30	0·04
	Fanö	29·82	30	ESE	2	0	29·80	−·09	30	30	+ 2	NE	1	0	*	0	*	30	28	-
British Islands.	Sumburgh Head	29·69	41	W	2	r	29·92	+·29	36	33	− 7	NW	3	0	5	0,r	*	44	34	0·04
	Stornoway ...	29·81	36	NNW	3	bc	30·05	+·41	37	35	− 3	Z	0	0	0	c,bc	1·6	41	33	-
	Wick	29·69	39	NW	1	bc	29·99	+·37	36	36	− 4	NW	3	c	2	bc	*	41	30	0·02
	Nairn	29·78	38	Z	0	r	30·02	+·37	36	35	+ 3	NW	1	c	1	r	*	41	30	0·04
	Aberdeen ...	29·78	39	WSW	2	0gp	30·01	+·29	34	33	− 6	NW	3	c	3	c.m.p.sp	0·0	42	34	0·03
	Leith	29·77	40	Z	0	f	30·01	+·30	36	34	− 3	NNW	1	b	*	f	*	41	35	-
	Shields	29·75	40	NW	1	om	29·94	+·19	41	39	+ 2	N	3	0	3	f.am.r	*	42	37	0·04
	Spurn Head ...	29·74	39	E	3	om	29·87	+·14	40	39	+ 1	NNE	3	ov	3	f.d	*	40	38	0·01
	York	29·72	40	NNE	1	0	29·91	+·18	40	40	+ 2	N	1	0	*	0	0·0	41	36	0·03
	Loughborough ...	29·74	40	NE	1	0	29·89	+·14	39	38	+ 1	NNE	2	of	*	mp.gma	*	41	38	0·03
	Ardrossan ...	29·77	41	NNE	1	of	30·01	+·31	34	34	− 6	N	1	of	1	0,f	*	41	34	-
	Malin Head ...	29·77	41	N	1	om	30·04	+·38	41	39	+ 3	N	3	c	1	c.om	*	43	37	-
	Belmullet ...	29·77	43	ENE	1	0	30·10	+·50	41	39	+ 2	ENE	1	0	*	0	*	44	36	-
	Donaghadee ...	29·78	42	S	2	m	29·98	+·28	43	42	+ 4	NNE	4	c	2	m	*	43	37	0·04
	Liverpool (Bidston)	29·73	39	Z	0	0	29·94	+·22	38	37	+ 5	N	1	0	?	f	*	40	33	-
	Holyhead ...	29·73	42	NE	2	f	29·94	+·25	43	42	+ 1	NE	2	om	1	gm.f	*	44	40	-
	Parsonstown ...	29·71	43	NE	1	0	30·04	+·44	38	36	− 4	Z	0	0	*	0	1·0	46	37	-
	Valencia ...	29·62	48	E	3	0pg	30·06	+·59	43	40	− 6	NNE	3	bc	4	om.pg	0·0	50	41	0·02
	Roche's Point ..	29·63	46	ESE	4	0	29·97	+·42	43	41	− 3	N	4	bc	4	p,0	*	48	40	0·40
	Pembroke (St. Ann's Hd.)	29·66	43	SE	4	m	29·89	+·24	42	41	− 1	ENE	3	gm	3	m	0·0	43	40	-
	Scilly	29·48	49	E	5	0	29·81	+·25	45	43	− 5	NE	5	c	4	r,0	0·0	52	43	0·08
	Prawle Point ...	29·62	44	ENE	5	0	29·80	+·12	41	40	− 5	NE	6	0	5	0g	*	46	40	-
	Jersey (St. Anne's)	29·62	44	SE	4	om	29·71	−·01	45	44	− 1	NE	4	ogm	3	om	*	47	41	-
	Hurst Castle ...	29·68	41	ENE	2	om	29·80	+·07	41	40	0	NE	4	om	2	om	*	42	40	-
	Dungeness ...	29·68	40	NNW	2	0	29·75	+·03	40	39	+ 1	NNE	3	0	2	0	*	40	38	0·01
	North Foreland	29·72	40	NW	2	r	29·79	+·05	39	38	0	NE	4	0	4	0,r	*	40	37	0·02
	London (Brixton) ...	29·72	40	SE	1	0g	29·82	+·08	38	37	− 2	ENE	3	0g	*	0g,0	0·0	41	37	-
	Oxford	29·74	40	SE	1	0	29·86	+·11	39	37	0	NNE	3	0g	*	0g	*	40	38	-
	Cambridge ...	29·74	40	N	1	0	29·87	+·12	37	37	− 2	NNE	2	dm	*	0m	0·0	42	36	0·01
	Yarmouth ...	29·71	39	NE	3	c	29·81	+·09	38	37	0	NE	5	cg	4	f,c	*	39	36	0·01
Germany & Holland.	Cuxhaven ...	29·77	25	ESE	2	0	29·78	−·014	28	28	+ 6	ENE	1	0	*	0	*	28	22	-
	Berlin	29·79	30	SE	2	r	29·76	−·11	32	32	+ 7	Z	0	0	*	r	*	32	25	-
	Wiesbaden ...	*	*	*	*	*	29·67	−·13	31	31	− 2	NE	1	0	*	*	*	34	30	-
	Munich	29·73	31	NE	1	0	29·73	−·01	30	29	+ 4	NE	1	0	*	0	*	32	26	-
	The Helder ...	29·74	26	E	1	m	29·80	+·05	29	29	+ 4	ENE	1	0	1	m	*	29	25	-
Belgium.	Brussels ..	*	*	*	*	*	29·77	+·02	36	32	+ 1	NNE	1	0	*	0	*	40	32	-
	Cape Gris Nez ...	29·67	41	E	1	0	29·72	−·05	39	38	− 1	E	2	0	2	0	*	43	36	0·04
	Paris	29·69	42	X	0	0	29·68	−·07	41	41	0	NNE	2	0	*	0	*	43	41	0·16
	Brest	29·46	46	E	4	0	29·63	+·01	43	41	− 3	ENE	2	0	2	0	*	48	37	-
	Lorient	29·49	44	ESE	6	r	29·58	−·11	44	43	− 1	NE	6	r	4	r	*	46	35	0·59
France &	Rochefort ...	29·55	46	SE	4	0	29·50	−·26	48	48	+ 4	ESE	3	r	*	0	*	50	44	0·35
	Belfort	29·73	30	Z	0	0	29·70	−·12	30	30	+ 2	E	2	0	*	0	*	31	28	-
	Lyons	29·73	44	ESE	1	0	29·68	−·08	41	41	− 2	N	1	0	*	0	*	50	41	0·04
	Nice	29·74	46	ENE	1	0	29·70	+·02	44	41	0	E	4	0	3	0	*	50	41	-
	Perpignan ...	29·66	50	S	1	0	29·52	−·26	44	43	− 1	NW	1	0	*	0	*	60	43	-
	Biarritz ...	29·56	52	S	3	r	29·41	−·39	52	52	+ 3	WSW	2	0	2	r	*	54	48	0·20
Peninsula.	Corunna ...																*			
	Lisbon	29·91	53	W	4	bc	29·75	−·31	53	51	− 2	WNW	4	bc	*	bc	*	57	52	0·32
	Azores (P. Delgada)	30·45	56	NNE	4	0	30·46	+·13	57	52	− 3	NE	4	0	2	0	*	61	54	-

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·0 hrs; Hastings 0·0 hrs; Eastbourne 0·0

WEATHER CHARTS

FOR Wednesday, 13th January, 1897.

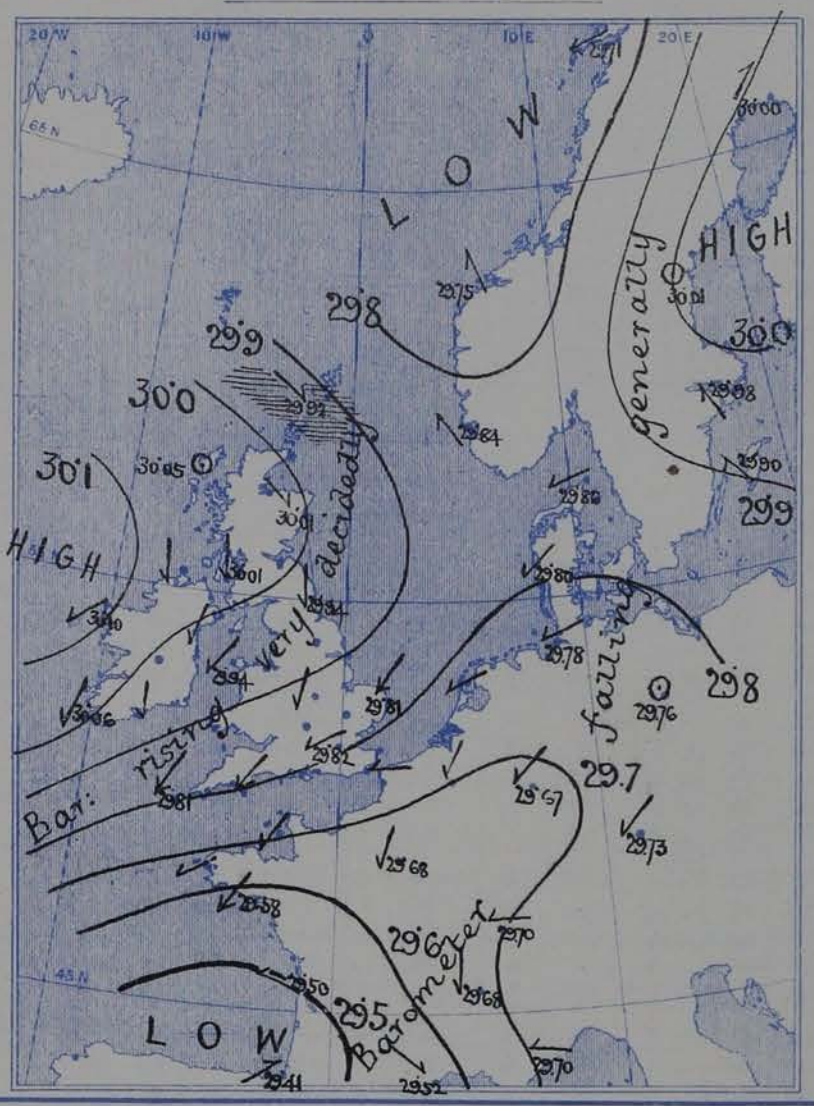
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*

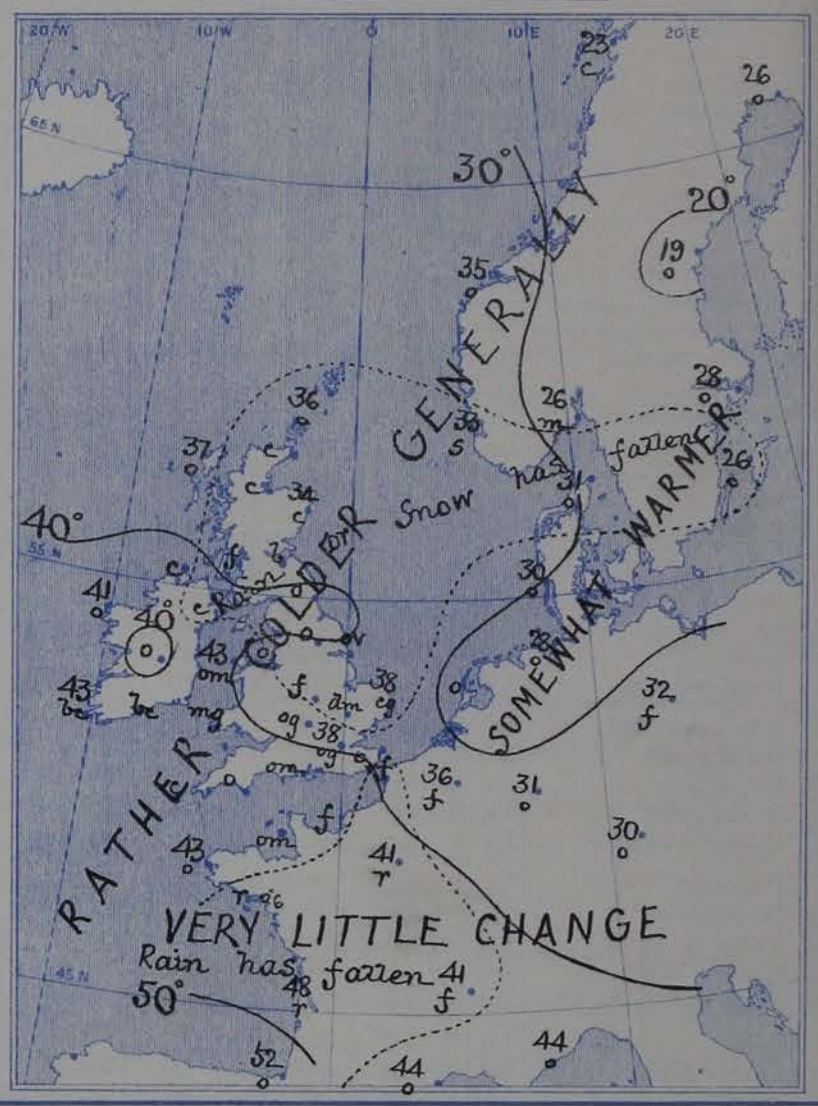


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 off our extreme western coasts; 30·0 ins: and upwards over the Gulf of Bothnia.
Lowest, 29·5 ins: and less, in a depression lying over the southern part of the Bay of Biscay.
Gradients slight generally. Barometer rising in our Islands, the Netherlands, and the north of France, but falling elsewhere.

TEMPERATURE

Highest, 53° at Lisbon, 52° at Biarritz, 48° at Rochefort, 45° at Scilly and Jersey, and 44° at Lorient, Perpignan and Nice.
Lowest, 19° at Hernösand, 23° at Bodö, and 26° at Haparanda and Fahlun; lowest in our Islands 34° at Aberdeen and Ardrossan.
The maxima registered yesterday were below 45° at all but our south-western stations; at Yarmouth the thermometer did not exceed 39°.

WIND

Light from the NW^{ly} in Scotland; N^{ly} or NE^{ly} over Ireland, England, the Netherlands, Western Germany, and the north of France, and fresh or strong in force in the western parts of the English Channel.
SW^{ly} in the south-west of France; W^{ly} at Lisbon.
SE^{ly} or E^{ly} at most of the Scandinavian stations.

WEATHER

Cloudy or dull over Western Europe as a whole, with fog or mist in many parts of Great Britain, France and Germany, and with rain at Paris, Lorient, and Rochefort. Snow is falling at Skudesnaes.
Fine in the south of Ireland as well as in the east of Scotland.
Rain fell yesterday in several parts of our Islands and France, the amounts being as a rule slight, but rather large at Rochefort, Lorient, and Rochefort.

SEA

Moderate or slight generally, but rather rough at Lerwick, Wick and also at Prawle Point.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our south-west coasts yesterday has travelled south-eastwards, and an anticyclone is now spreading over our Islands from the westward. N^{ly} and NE^{ly} breezes seem likely to continue for a time with colder and somewhat brighter weather.

FORECASTS

For the 24 hours ending at NOON on 14TH JANY 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^{ly} winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N^{ly} winds, light; fair generally, colder.
3	ENGLAND EAST	NE^{ly} winds, light or moderate; dull and hazy at first; clearer later, becoming colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N^{ly} and NE^{ly} winds, light; fair generally, but local fogs, colder.
7	ENGLAND N.W.	NE^{ly} winds, moderate; fair generally, colder.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	
	WARNINGS	At 10·20 am to districts 8 and 10 "Lower Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·95	33	31	SSE	6	o	4	Valencia	29·50	50	48	E	3	oq	4
Sumburgh Head	29·63	42	41	W	3	o	7	Scilly	29·48	49	48	ESE	5	oq	4
Stornoway	29·73	41	40	N	3	c	3	Jersey	29·64	45	44	SE	4	o	3
Aberdeen	29·73	42	41	SSW	2	cm	4	Hurst Castle ...	29·68	42	41	ENE	2	om	1
Shields	29·72	39	39	NW	1	ogd	3	Dungeness ...	29·68	40	40	NNW	1	o	0
Ardrossan	29·71	41	41	NNE	1	o	1	North Foreland	29·70	40	39	NW	2	o	2
Malin Head ...	29·70	41	40	S	1	c	0	London (Westminster)	29·70	43	41	N	1	oq	*
Belmullet	29·67	44	43	E	2	o	*	Yarmouth ...	29·69	39	39	N	2	fq	*
Holyhead	29·68	44	43	NE	2	cm	0	Rochefort ...	29·70	46	46	SSE	4	m	#

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

Weather in morning cloudy & dull over nearly the whole of Europe, with mist or fog in many parts of our Islands, France, and Germany, and with showers on our extreme southwest coasts. Rain falling at Lisbon, and also at Limoges, Venice, and Berlin, and snow at St Petersburg and Kiev. Rain falling later in many parts of our Islands and France, but amount mostly slight.

Temperature rose in the southwest of our Islands, and also in Germany and Russia, changed very irregularly elsewhere. Morning readings highest 66° at Palermo, 59° at Biarritz, 57° at Malta, and 56° at Oran. Above 50° at the Mediterranean and Spanish coast stations generally, and just touching that point at Scilly. Lowest -1° F. at Riga. 0° Zero at Moscow, +3° at Charkov, and 5° at Kiev; below the freezing point over northern, eastern, and central Europe generally, and very little above it at some of our own northern stations. Daily maxima below 45° on all but our southwest coasts, but thermometer exceeding 50° at Scilly, and also in the south of France, and reaching 60° at Perpignan.

Wind moderate from the SW^d over the Spanish Peninsula; light to fresh from the SE^d on the west coasts of our Islands and France. Light from the N^d over the eastern and central parts of England & also over Central France. SE^d over the more central parts of the Continent generally; S^d over the northern parts of Sweden and Russia; variable in Italy and the south of France. Subsequently backing to the eastward on our own western coasts. No important change occurring elsewhere.

Barometer highest 30·78 ins: at Charkov: 30·3 ins: and upwards in an anticyclone covering the whole of Russia; 30·2 ins: and upwards in another system lying to the southward of Spain. Lowest 29·5 ins: and less, in a depression lying off our own extreme southwest coasts; 29·7 ins: and less, in a shallow system off the south of France. Former depression subsequently moving southeastwards, and barometer rising in most parts of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 14th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·02	13	S	2	o	30·04	+ ·04	14	13	— 12	S	4	o	≡	o	≡	27	12	—
	Hernösand ...	29·95	26	E	4	s	29·98	— ·03	24	23	+ 5	NW	4	o	≡	s	≡	28	12	0·16
	Stockholm ...	29·83	27	E	2	s	29·84	— ·14	25	25	— 3	NNW	2	o	≡	s	≡	30	25	0·20
	Wisby	29·81	30	SE	4	s	29·85	— ·05	31	30	+ 5	NNW	4	o	≡	s	≡	31	21	0·12
	Karlstad ...	29·86	27	2	o	o	29·90	·00	24	23	— 3	N	2	s	≡	o	≡	≡	≡	—
	Bodö	29·85	26	E	4	o	30·03	+ ·32	34	31	+ 11	NNW	4	c	2	o	≡	34	18	—
	Christiansund ...	29·87	37	SE	4	s	30·10	+ ·35	36	35	+ 1	ENE	2	c	4	s	≡	37	34	0·16
	Skudesnaes ...	29·89	36	NNW	4	c	30·02	+ ·18	33	31	o	N	4	b	2	ch,o	≡	37	30	≡
	Færder (Christiania Fjord)	29·89	26	NNW	2	o	29·91	+ ·02	25	25	— 1	NNW	2	o	2	o	≡	27	25	—
	Skagen (The Scaw)	29·89	32	NNE	1	o	29·94	+ ·08	29	28	— 2	N	2	c	o	o	≡	32	28	—
	Fanö	29·93	31	N	2	c	29·97	+ ·17	33	32	+ 3	WNW	2	c	≡	c	≡	34	30	—
British Isles.	Sumburgh Head	30·07	35	NNW	3	o	30·23	+ ·31	32	30	— 4	N	2	b	4	o	≡	36	31	—
	Stornoway ...	30·18	34	WNW	2	bc	30·30	+ ·25	37	37	o	WNW	3	c	3	c,bc	2·2	39	31	0·10
	Wick	30·10	32	NW	2	bc	30·28	+ ·26	29	29	— 7	NW	2	bc	2	bc	≡	43	28	0·02
	Nairn	30·17	36	2	o	bc	30·28	+ ·26	34	32	— 2	W	1	b	1	bc	≡	38	31	—
	Aberdeen ...	30·14	36	NW	4	cq	30·27	+ ·26	33	33	— 1	WNW	3	b	2	c,cqsp	1·1	37	32	0·01
	Leith	30·13	35	N	2	b	30·30	+ ·29	33	31	— 3	WSW	1	om	≡	b	≡	39	31	—
	Shields	30·06	39	NNE	3	o	30·26	+ ·32	35	34	— 6	NW	2	c	3	c,r,o,rs	≡	42	33	0·05
	Spurn Head ...	29·99	40	NNE	4	cv	30·17	+ ·30	38	36	— 2	NNE	4	cv	4	cv,r,c,hr	≡	41	36	0·14
	York	30·02	38	N	1	b	30·26	+ ·35	33	33	— 7	N	1	bc	≡	b	2·1	44	32	0·04
	Loughborough ...	30·01	39	N	3	o	30·22	+ ·33	34	33	— 5	N	3	omsp	≡	gm,o,c,b	≡	41	32	—
	Ardrossan ...	30·16	37	NNE	1	of	30·34	+ ·33	32	32	— 2	2	o	bm	o	of	≡	39	31	—
	Malin Head ...	30·18	40	NE	4	op	30·36	+ ·32	39	39	— 2	NNE	3	b	2	c,op	≡	41	37	0·02
	Belmullet ...	30·25	38	E	2	b	30·43	+ ·33	35	35	— 6	E	1	o	≡	c,b	≡	44	30	0·05
	Donaghadee ...	30·16	41	NE	4	c	30·34	+ ·36	39	35	— 4	N	4	bc	2	c	≡	43	37	—
	Liverpool (Bidston)	30·08	37	NNE	2	o	30·30	+ ·36	33	31	— 5	NNE	1	c	?	o	≡	41	31	—
	Holyhead ...	30·09	42	NE	3	c	30·30	+ ·36	40	36	— 3	NNE	3	o	2	gp,c	≡	44	36	—
	Parsonstown ...	30·16	38	NW	1	o	30·40	+ ·36	29	28	— 9	2	o	o	≡	b,o	3·5	41	28	—
	Valencia ...	30·18	41	NNE	4	bc	30·42	+ ·36	36	32	— 7	NE	2	b	2	c,bc	1·2	45	34	—
	Roche's Point ..	30·10	39	NNE	4	b	30·37	+ ·40	35	33	— 8	NNE	3	b	3	b	≡	46	33	—
	Pembroke (St. Ann's Hd.)	30·04	40	NE	3	bc	30·28	+ ·39	36	34	— 6	NE	4	b	3	bc	3·3	44	35	—
	Scilly	29·92	46	NNE	5	cm	30·15	+ ·34	43	40	— 2	NNE	5	c	5	om,cm	0·0	48	39	—
	Prawle Point ...	29·93	40	NE	6	og	30·14	+ ·34	33	32	— 8	N	5	c	4	og	≡	41	32	—
	Jersey (St. Aubin's)	29·88	42	NE	4	od	30·01	+ ·30	43	42	— 2	NNE	5	om	4	om,d	≡	45	40	0·02
	Hurst Castle ...	29·90	41	NE	4	om	30·11	+ ·31	38	37	— 3	NNE	4	op	3	om	≡	41	37	—
	Dungeness ...	29·83	40	NNE	5	r	30·04	+ ·29	41	39	+ 1	NE	5	c	4	o,r	≡	41	38	0·01
	North Foreland	29·89	40	N	4	op	30·09	+ ·30	39	38	o	NE	5	o	5	o,op	≡	40	37	0·08
	London (Brixton) ...	29·93	40	NE	3	o	30·15	+ ·33	38	37	o	ENE	3	og	≡	og,c,od	0·0	40	37	0·01
	Oxford	30·02	39	NNE	3	c	30·19	+ ·33	35	33	— 4	NNE	3	o	≡	og,c	≡	40	34	—
	Cambridge ...	29·98	39	N	3	o	30·19	+ ·32	33	32	— 4	N	3	c	≡	o	0·0	40	32	0·03
	Yarmouth ...	29·90	40	NE	4	cv	30·12	+ ·31	39	38	+ 1	NE	5	cpq	4	cv	≡	40	37	0·02
Germany & Holland.	Cuxhaven ...	29·84	30	NE	1	o	30·00	+ ·22	30	29	+ 2	W	1	o	≡	o	≡	32	28	—
	Berlin	29·84	33	2	o	f	29·97	+ ·21	32	31	o	NW	2	s	≡	f	≡	34	30	0·04
	Wiesbaden ...	≡	≡	≡	≡	≡	29·95	+ ·28	31	31	o	NE	2	o	≡	≡	≡	34	30	—
	Munich	29·74	32	2	o	f	29·83	+ ·10	29	29	— 1	E	1	f	≡	f	≡	36	28	0·08
	The Helder ...	29·91	33	NE	1	o	30·08	+ ·28	34	33	+ 5	NNE	1	c	1	o	≡	34	28	—
Belgium.	Brussels ...	≡	≡	≡	≡	≡	30·06	+ ·29	31	31	— 5	NE	4	o	≡	o	≡	36	27	—
	Cape Gris Nez ...	29·85	38	E	5	o	29·99	+ ·27	37	35	— 2	E	5	o	5	o	≡	41	35	—
	Paris	29·76	40	N	3	o	29·93	+ ·25	32	32	— 9	NNE	3	o	≡	o	≡	43	32	0·08
	Brest	29·82	44	NNE	3	o	29·99	+ ·36	42	40	— 1	NE	3	c	3	o	≡	46	37	—
	Lorient	29·76	44	NNE	6	o	29·92	+ ·36	42	41	— 2	NNE	6	o	5	o	≡	48	36	—
France &	Rochefort ...	29·58	48	ESE	4	r	29·74	+ ·24	43	43	— 5	ENE	5	o	≡	r	≡	50	41	0·16
	Belfort	29·74	29	E	1	f	29·90	+ ·20	27	27	— 3	E	4	m	≡	f	≡	31	25	—
	Lyons	29·69	41	N	1	m	29·82	+ ·14	35	34	— 6	N	1	f	≡	m	≡	47	33	—
	Nice	29·66	49	E	8	c	29·70	·00	48	43	+ 4	E	6	r	5	c	≡	52	44	0·04
	Perpignan ...	29·52	52	2	o	r	29·65	+ ·13	45	45	+ 1	W	1	r	≡	r	≡	57	44	1·58
	Biarritz ...	29·48	53	ENE	2	o	29·60	+ ·19	49	48	— 3	E	3	r	4	o	≡	59	48	0·08
Penin-sula.	Corunna ...																≡			
	Lisbon	29·75	53	NNW	5	r	29·64	— ·11	49	46	— 4	N	5	o	≡	r	≡	57	48	0·08
	Azores (P. Delgada)	30·50	55	NE	4	b	30·46	·00	53	52	— 4	NNE	2	c	2	b	≡	59	50	—

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

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

Bright Sunshine yesterday Southport 0·1 *hrs; Brighton* 0·0 *hrs; Hastings* 0·0 *hrs;* Eastbourne 0·0 *hrs.*

WEATHER CHARTS

FOR Thursday, 14th January, 1897.

BAROMETER, WIND AND SEA.

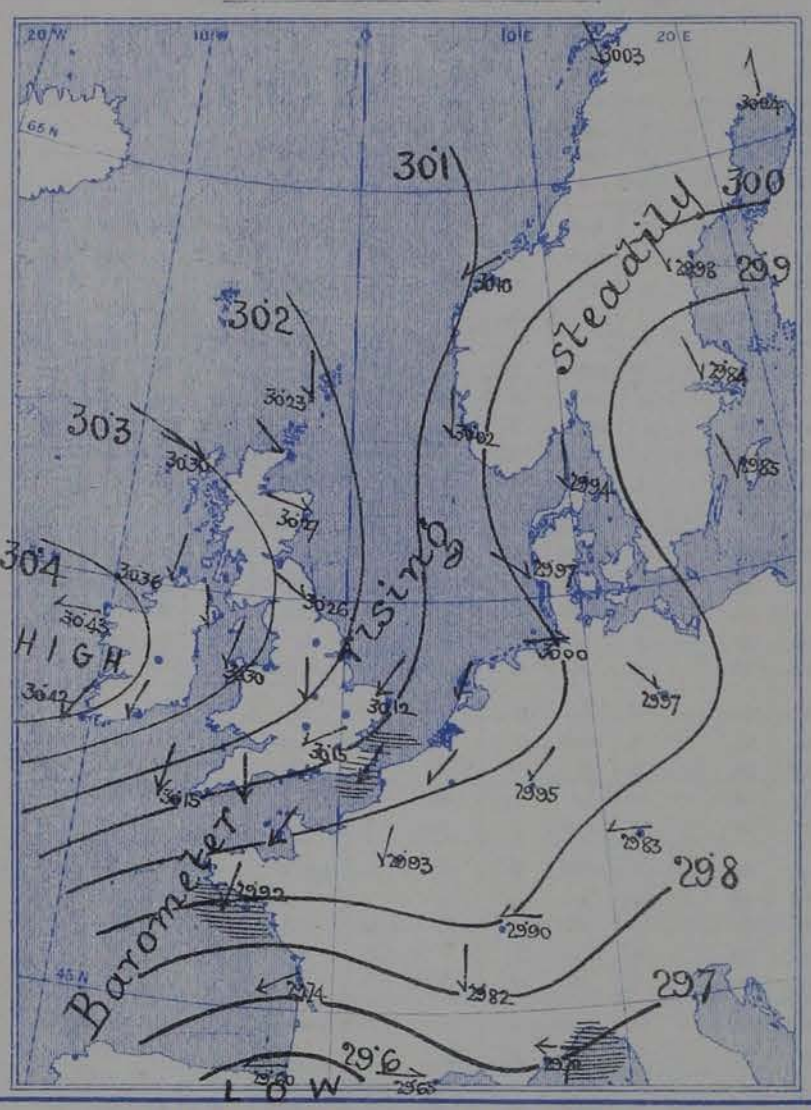
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▩

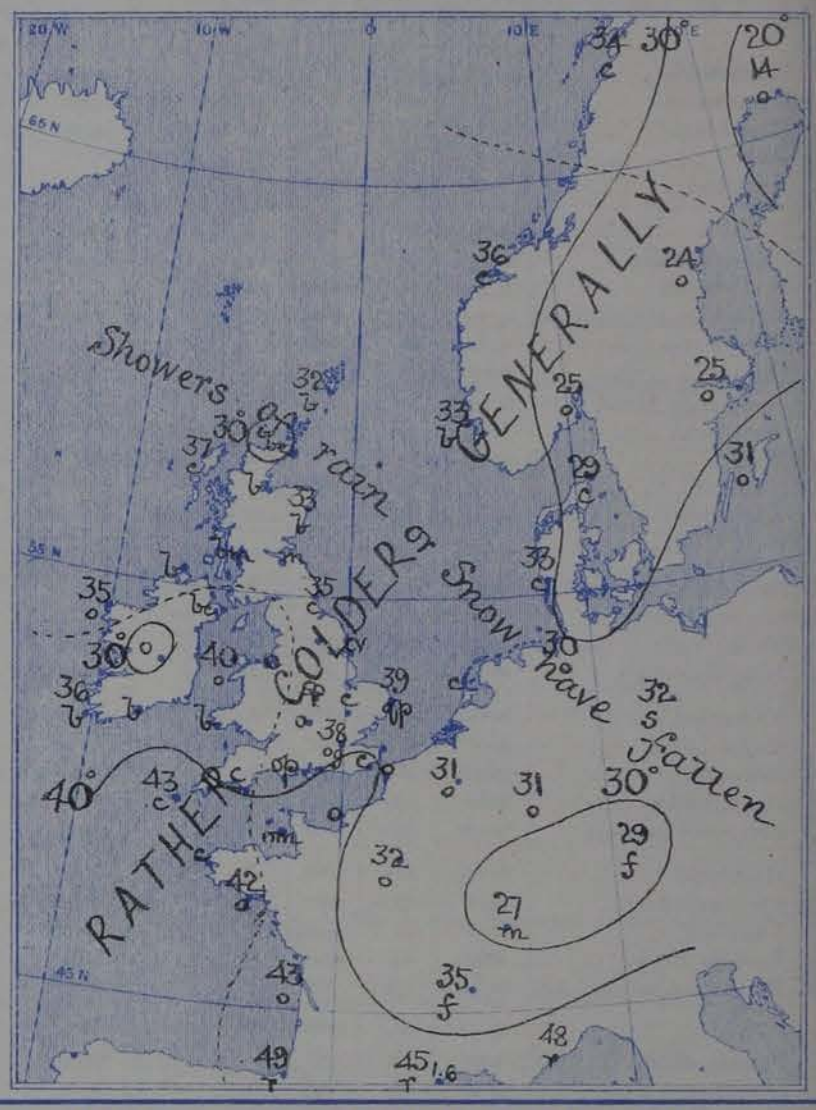


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 the west of Ireland; 30.1 ins. and upwards in an anticyclone lying over the whole of our Islands and the greater part of the North Sea.
Lowest 29.6 ins. and less in a depression lying over Spain.
Gradients moderate over the Channel and Bay of Biscay, slight elsewhere.
Barometer rising generally.

TEMPERATURE

Highest 49° at Biarritz and Lisbon, 48° at Nice, 45° at Perpignan, and 43° at Scilly, Jersey & Rochefort.
Lowest 14° at Haparanda, 24° at Hernösand and Karlstad, and 25° at Stockholm and Fæsder, lowest in our Islands 29° at Wick and Parsonstown.
Slight frost occurred last night in many parts of the United Kingdom, the lowest reading in the screen being 28° at Wick and Parsonstown.

WIND

Light from the NW^wd. in Holland, and from the N^wd. over the greater part of Scandinavia.
Light to moderate over England, Ireland, the Netherlands and the greater part of France, and fresh in force over the Channel and Bay of Biscay.

WEATHER

Fine over the W^rn. and N^rn. parts of our Islands generally, as well as on the E^rn. shores of the North Sea.
Dull in nearly all other parts of W^rn. Europe, with passing showers at some of the English stations, rain in the extreme south of France, and snow at Berlin and Karlstad.
Showers fell yesterday in many parts of Gt. Britain, and also in the N. of Ireland; heavy rain (1.6 ins.) fell at Perpignan, snow was experienced in Sweden.

SEA

Rather rough at Scilly and the N. Foreland, as well as on many parts of the French coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be fairly well established and cold dry weather is therefore likely to continue for a time. Slight passing showers may, however, be experienced today in the E. and SE. of England.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly winds, light, fair, cold.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N^ly winds, light, fair, cold.
3	ENGLAND EAST	NE^ly winds, light or moderate, fair generally, but local showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE^ly winds, moderate, fair generally
9	IRELAND NORTH	N^ly and NE^ly winds, light, fine, cold.
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 ...	29·87	37	36	SSW	2	ch	3
Sumburgh Head	30·00	35	32	NW	3	o	5
Stornoway	30·13	38	36	L	0	c	0
Aberdeen	30·08	37	33	NW	2	c	3
Shields	30·00	40	38	N	3	c	3
Ardrossan	30·07	38	37	N	1	of	1
Malin Head ...	30·10	40	39	E	4	c	2
Belmullet	30·16	43	41	NNE	2	c	*
Holyhead	30·00	42	41	NE	2	09p	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·10	44	39	NNE	4	c	4
Scilly	29·87	47	44	NNE	5	om	4
Jersey	29·77	43	42	NE	5	o2	3
Hurst Castle ...	29·83	41	39	NE	4	om	3
Dungeness ...	29·77	40	39	NNE	4	o	3
North Foreland	29·85	39	38	NE	4	o	4
London (Westminster)	29·87	41	39	NE	3	09	*
Yarmouth ...	29·86	39	38	NE	4	cv	4
Rochefort ...	29·53	49	49	ESE	3	r	*

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

Weather in morning cloudy or dull over nearly the whole of Europe, with fog or mist at many of the W^rn and central stations, and with rain in several parts of France, as well as at Cagliari and La Calle; snow reported at Skudesnaes, Memel and Moscow. Showers of cold rain or sleet falling later in many parts of Gt. Britain, heavy rain at Perpignan, and snow in Sweden. Lunar halos seen in the N. of Eastland.

Temperature changed rather irregularly. Morning readings highest 57° at Nemours, 56° at Algiers, and 55° at Malta; above 50° at most of the Mediterranean, Adriatic and Spanish coast stations. Lowest −3°F. at Riga, +4° at Kharkov, 6° at Moscow, and 10° at St. Petersburg; below the freezing point over N^rn, E^rn and central Europe generally, and very little above it in Scotland. Daily maxima below 40° at several of our own N^rn stations, and below 45° on all but our extreme SW. coasts. Thermometer exceeding 50° in the S. of France, and reaching 59° at Biarritz.

Wind NE^ly over Ireland, England, the Netherlands, W^rn Germany and the N. of France, and fresh or strong in force over the W^rn parts of the English Channel; NW^ly on the Spanish and Portuguese coasts, with a gale at Corunna. Light from the NW^ward in Scotland; SE^ly or S^ly over the northern and eastern parts of the Continent, and also over the greater part of Italy, but SW^ly in Sicily and Algeria. No important change occurring over W^rn Europe during day.

Barometer highest 30·2 ins. at Moscow; 30·1 ins. and upwards in an anticyclone covering the whole of Russia, and also in another system lying off our own extreme W^rn coasts. Lowest 29·5 ins. and less in a well marked depression over the S^rn half of the Bay of Biscay; 29·7 ins. and less in a shallow area off the W. of Norway. Anticyclone in W. subsequently spreading E^wards; Depression over the Bay of Biscay moving SE^wards.

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 15th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·21	15	N	2	c	30·43	+·39	8	7	−6	N	2	b	8	c	*	16	0	—
	Hernösand ...	30·16	23	N	6	s	30·30	+·32	24	23	0	N	6	o	*	s	*	28	21	—
	Stockholm ...	29·97	25	NW	2	s	30·13	+·29	25	24	0	NNW	2	o	*	s	*	27	23	0·08
	Wisby	29·97	31	NW	4	o	30·09	+·24	27	27	−4	SE	4	s	*	o	*	31	25	0·04
	Karlstad ...	30·02	24	N	2	s	30·16	+·26	24	23	0	N	4	o	*	s	*	*	*	0·32
	Bodö	30·30	32	L	0	c	30·49	+·46	23	20	−11	E	2	b	1	c	*	34	21	—
	Christiansund ...	30·30	35	ENE	4	s	30·43	+·33	34	32	−2	E	4	c	3	s	*	36	34	0·08
	Skudesnaes ...	30·15	30	N	2	b	30·24	+·22	28	26	−5	NNE	2	b	1	b	*	36	27	*
	Færder (Christiania Fjord)	30·08	29	NE	2	o	30·20	+·29	28	28	+3	NE	4	s	2	o	*	29	25	—
	Skagen (The Scaw)	30·08	30	NE	2	o	30·17	+·23	28	27	−1	NE	1	o	0	o	*	32	27	—
	Fanö	30·11	25	L	0	b	30·16	+·19	31	30	−2	NW	2	c	*	b	*	36	21	—
British Islands	Sumburgh Head	30·29	32	N	1	c	30·30	+·07	37	35	+5	NNE	1	o	5	b,c	*	37	31	0·08
	Stornoway ...	30·35	37	WNW	3	bc	30·34	+·04	31	31	−6	WNW	2	c	2	c,bc	2·9	42	29	0·05
	Wick	30·30	31	NW	2	bc	30·27	+·02	36	36	+4	NW	2	o	3	bc	*	36	21	0·02
	Nairn	30·35	36	L	0	o	30·34	+·06	33	32	−1	L	0	c	2	o	*	38	30	—
	Aberdeen ...	30·32	33	NNW	3	c	30·30	+·03	34	33	+1	NW	3	cg	3	sp,c	3·7	36	32	0·01
	Leith	30·30	38	N	2	o	30·29	−·01	34	32	+1	NNW	1	cm	*	o	*	39	32	—
	Shields	30·26	35	NW	3	c	30·22	−·04	38	36	+3	N	2	om	3	bc,cp	*	39	34	0·03
	Spurn Head ...	30·19	37	NNE	4	cp	30·16	−·01	36	36	−2	NNE	3	bcv	3	o,p	*	40	34	0·07
	York	30·24	34	NNW	1	b	30·21	−·05	32	32	−1	N	1	bc	*	b	1·0	39	31	0·01
	Loughborough ...	30·24	36	N	2	o	30·20	−·02	33	33	−1	NNE	2	om	*	sp,c,om	*	39	33	0·03
	Ardrossan ...	30·33	35	L	0	b	30·30	−·04	32	32	0	NNE	2	bm	1	b	*	40	30	—
	Malin Head ...	30·35	41	N	3	b	30·29	−·07	34	33	−5	S	2	c	1	c,b	*	42	33	—
	Belmullet ...	30·41	37	E	2	c	30·31	−·12	34	33	−1	E	1	o	*	b,c	*	44	29	0·06
	Donaghadee ...	30·34	40	NNE	3	bc	30·30	−·04	38	35	−1	NE	4	b	2	bc	*	42	35	—
	Liverpool (Bidston)	30·30	35	N	1	b	30·24	−·06	31	30	−2	N	1	b	?	o,b	*	37	30	—
	Holyhead ...	30·31	40	N	3	c	30·24	−·06	38	35	−2	NE	3	cp	2	c	*	40	34	0·01
	Parsonstown ...	30·42	37	L	0	c	30·29	−·11	26	26	−3	L	0	f	*	b,c	5·5	39	26	—
	Valencia ...	30·40	41	NNE	2	c	30·29	−·13	35	33	−1	SSE	1	b	2	bc,c	6·9	43	32	—
	Roche's Point ..	30·37	39	NNE	3	b	30·27	−·10	34	33	−1	NNE	3	bc	3	b	*	42	32	—
	Pembroke (St. Ann's Hd.)	30·28	35	NE	4	b	30·18	−·10	35	34	−1	ENE	3	b	3	b	7·0	40	34	—
	Scilly	30·18	43	NE	5	c	30·08	−·07	40	38	−3	ENE	4	c	3	c	3·0	44	36	0·05
	Prawle Point ...	30·20	36	N	5	c	30·10	−·04	33	32	0	NNE	5	o	4	c,o	*	37	31	—
	Jersey (St. Aubin's)	30·19	42	ENE	5	om,dp	30·02	+·01	39	37	−4	ENE	5	om	4	omp,d	*	44	37	0·12
	Hurst Castle ...	30·16	39	NNE	3	c	30·10	−·01	35	34	−3	NNE	3	bcm	2	c	*	41	34	0·01
	Dungeness ...	30·09	39	NNE	5	c	30·05	+·01	37	36	−4	N	3	c	2	cq	*	42	33	0·06
	North Foreland	30·15	39	NNE	5	ohp	30·10	+·01	38	36	−1	E	4	op	4	oph	*	42	35	0·30
	London (Brixton) ...	30·19	38	NE	2	bcm	30·14	−·01	35	33	−3	NE	2	ogm	*	c,bc	0·0	40	34	—
	Oxford	30·22	36	NNE	2	o	30·16	−·03	34	33	−1	N	1	osp	*	o,c	*	39	33	001
	Cambridge ...	30·20	36	N	4	o	30·17	−·02	31	31	−2	NNW	2	b	*	o,s	0·0	40	30	0·01
	Yarmouth ...	30·25	39	NNE	4	bc	30·12	·00	38	36	−1	NE	4	cv	4	cv,bc	*	40	35	0·02
Germany & Holland	Cuxhaven ...	30·04	32	NNW	1	c	30·15	+·15	26	26	−4	NNE	1	b	*	c	*	34	25	—
	Berlin	30·07	32	NW	1	o	30·13	+·16	31	30	−1	WNW	3	o	*	o	*	34	30	0·04
	Wiesbaden ...	*	*	*	*	*	30·02	+·07	33	31	+2	N	2	o	*	*	*	36	31	—
	Munich	29·91	30	SE	1	f	29·95	+·12	29	29	0	E	4	o	*	f	*	30	28	—
	The Helder ...	30·11	35	N	1	b	30·13	+·05	32	32	−2	ENE	1	b	1	b	*	37	32	—
Belgium.	Brussels ...	*	*	*	*	*	30·11	+·05	32	32	+1	NE	2	o	*	o	*	33	30	—
	Cape Gris Nez ...	30·07	37	E	4	r	30·04	+·05	35	33	−2	E	2	o	2	r	*	43	30	0·08
	Paris	30·03	35	NNE	3	o	30·00	+·07	33	30	+1	NNE	3	o	*	o	*	36	32	—
	Brest	30·04	41	NE	4	c	29·99	·00	38	37	−4	NE	2	o	3	c	*	45	34	0·16
	Lorient	29·96	42	NE	6	o	29·93	+·01	37	34	−5	NE	5	o	4	o	*	48	30	—
France &	Rochefort ...	29·83	41	E	6	m	29·80	+·06	37	37	−6	E	6	m	*	m	*	46	34	—
	Belfort	29·91	29	E	4	f	29·92	+·02	29	29	+2	E	3	f	*	f	*	30	27	—
	Lyons	29·93	31	N	1	m	29·92	+·10	32	31	−3	N	1	m	*	m	*	35	31	—
	Nice	29·79	47	E	2	o	29·83	+·13	43	40	−5	E	1	o	3	o	*	50	41	0·39
	Perpignan ...	29·74	48	NE	2	r	29·71	+·06	48	48	+3	L	0	r	*	r	*	51	45	2·68
	Biarritz ...	29·67	50	L	0	o	29·68	+·08	43	41	−6	ENE	2	o	4	o	*	54	41	—
Penin-sula	Corunna ...																*			
	Lisbon	29·65	51	N	5	c	29·69	+·05	48	44	−1	N	5	b	*	c	*	55	48	0·08
	Azores (P. Delgada)	30·41	54	N	2	o	30·35	−·11	53	49	0	NNW	2	o	2	o	*	59	?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 Offices, Westminster.*

Bright Sunshine yesterday Southport 0·1 hrs; Brighton 0·3 hrs; Hastings 0·0 hrs; Eastbourne 0·0 hrs.

WEATHER CHARTS

FOR FRIDAY, 15th JANUARY, 1897.

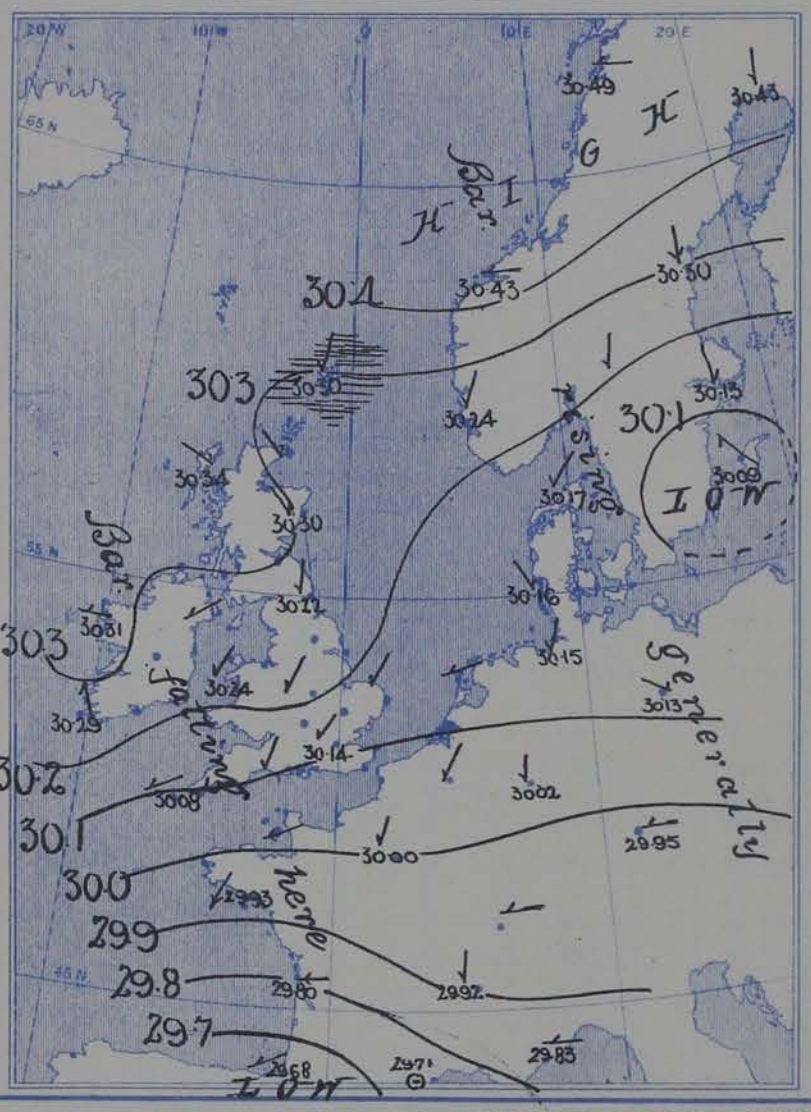
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; High

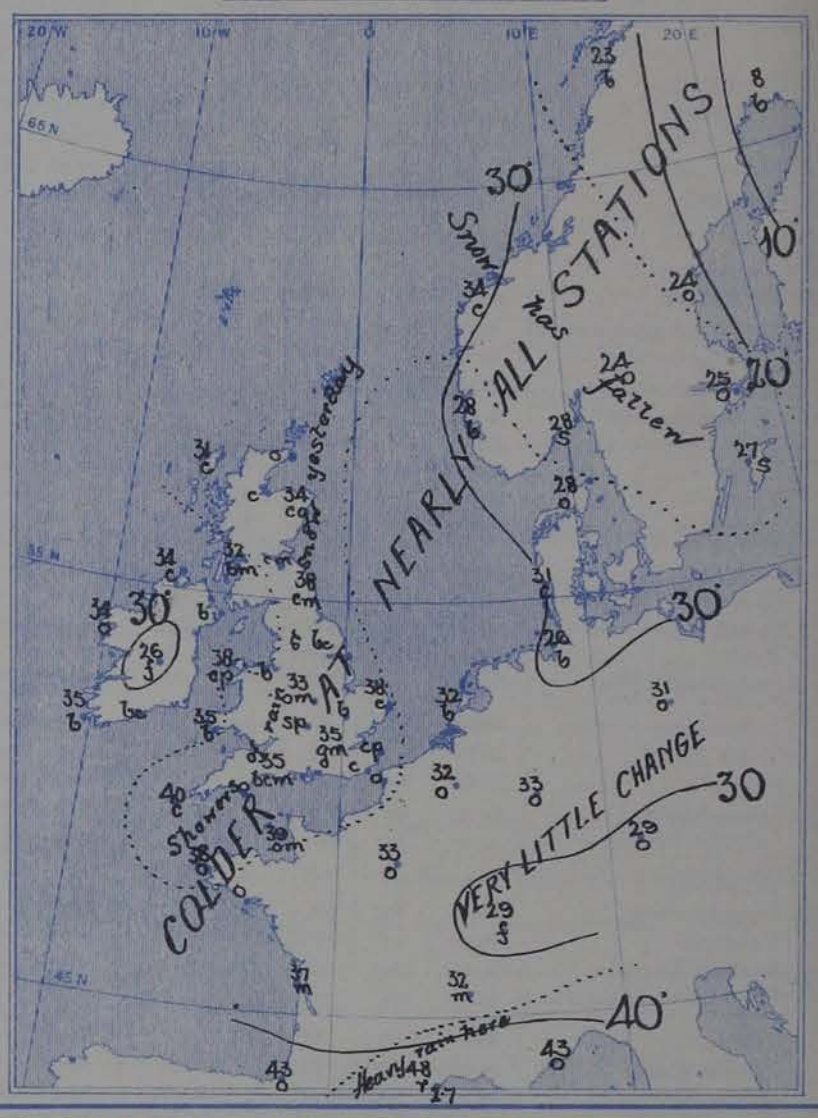


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 the northern parts of Scandinavia, 30.1 ins. and upwards in an anticyclone covering the greater part of northwestern Europe.
Lowest 29.7 ins. and less in a depression lying over Spain.
Gradients slight generally. Barometer falling in our Islands and the W. and N. of France, but rising elsewhere.

TEMPERATURE

Highest 48° at Lisbon and Perpignan, 43° at Nice and Biarritz, 40° at Scilly, and 39° at Jersey.
Lowest 8° at Haparanda, 23° at Bodö, and 24° at Hernösand and Karlstad; lowest in our Islands 26° at Parsonstown, and 31° at Stornoway, Liverpool and Cambridge.
Frost occurred last night in many parts of the United Kingdom, the lowest reading reported being 21° at Wick, and 26° at Parsonstown.

WIND

NE. ¾ (N. ¾ to E. ¾) over western Europe as a whole; light to moderate in force generally, but fresh in the Bay of Biscay and the western part of the Channel.
Light from the S.W. at Valencia (Ireland) and Malin Hd.; NW. ¾ in the north and east of Scotland.

WEATHER

Fair or fine over the greater part of our Islands, and also on the E.rn. shores of the North Sea, but showery at one or two of the English stations, with snow at Oxford.
Dull over France, Germany and Sweden, with snow at Ushy and also at Faarder.
Showers of rain, hail or snow fell yesterday in many parts of Gt. Britain, snow occurred also at several of the Scandinavian stations, and heavy rain (2·7 ins.) at Perpignan.

SEA

Moderate to smooth generally, but rather rough at Cromarty Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer is at present slight, but is greatest on our extreme west and southwest coasts. It seems not unlikely that a depression will appear in the latter neighbourhood before long, and freshening E. ¾ winds are therefore probable on our south coasts generally.

FORECASTS

For the 24 hours ending at NOON on 16TH JANUARY. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. ¾ to variable breezes, fair generally, frosty at night, with local fogs.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. ¾ to NE. ¾ winds, light or moderate; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	E. ¾ winds freshening, fair generally.
6	SCOTLAND WEST	NE. ¾ to E. ¾ winds light or moderate fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. ¾ winds, freshening considerably; fair at first, some rain or sleet later.
9	IRELAND NORTH	Same as No. 5.
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 ...	30·10	36	33	N	4	b	2
Sumburgh Head	30·28	33	32	N	1	b	4
Stornoway	30·34	42	41	WNW	2	c	2
Aberdeen	30·30	36	34	NW	2	bc	2
Shields	30·27	38	35	NW	3	bc	3
Ardrossan	30·32	40	39	WNW	2	b	1
Malin Head ...	30·37	42	40	N	3	c	2
Belmullet	30·43	44	43	E	2	b	*
Holyhead	30·32	39	34	N	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	S.
Valencia	30·40	43	39	NNE	2	bc	3
Scilly	30·18	43	40	NE	6	c	5
Jersey	30·05	43	40	NE	6	omp2	4
Hurst Castle ...	30·14	41	38	NE	4	c	3
Dungeness ...	30·08	40	39	NE	5	cq	4
North Foreland	30·14	38	37	NE	5	r	4
London (Westminster)	30·18	41	38	NE	3	bc	*
Yarmouth ...	30·14	40	37	NNE	4	cv	4
Rochefort ...	29·79	43	43	E	6	m	*

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

Weather in morning fine in the W. and N. of our Islands generally, and also on the E^rn. shores of the North Sea. Dull in nearly all other parts of Europe, with fog at many of the central stations; rain over Spain and the extreme S. of France, and snow at several of the Russian stations, as well as at Karlstad and Berlin. Showers falling during day in many parts of Gt. Britain, with snow or hail in places; snow falling also in Sweden and heavy rain (2·7 ins.) at Perpignan.

Temperature fallen over W^rn. Europe generally, but risen elsewhere. Morning readings highest 56° at Algiers, 55° at Palermo, and 54° at Cagliari and Malta; above 50° at most of the Mediterranean and Adriatic stations. Lowest 6° at Archangel, 7° at St. Petersburg, 10° at Kuopio, and 11° at Riga; below the freezing point over N^rn. and E^rn. Europe generally, and also over central Ireland and the extreme N. of Scotland. Daily maxima below 40° in many parts of Gt. Britain and France, but thermometer exceeding 50° in the extreme S. of France, and reaching 55° at Lisbon.

Wind light from the NW^nd. in Scotland, and also over the greater part of Scandinavia and Denmark. Moderate to fresh from the NE^nd. over England, Ireland, the Netherlands and the N. of France; strong from the N^nd. on the west coasts of the Spanish Peninsula, with a gale at Corunna; S. ½ or SE. ¼ over Italy and the Mediterranean, E. ¼ in the S. of France. Calm in Austria; S. ½ or SE. ½ at most of the Russian stations. No important change occurring later.

Barometer highest 30.4 ins. and upwards in the W. of Ireland; 30.1 ins. and upwards in an anticyclone covering nearly the whole of our Islands and the North Sea, and also in another system over N^rn. and central Russia. Lowest 29.6 ins. and less in two depressions,—one lying off the extreme S. of France, and the other over the NE. of Spain. Anticyclone over our Islands spreading slowly eastwards during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 16th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·62	?	NW	2	b	30·64	+·21	0	0	-8	N	2	b	5	b	*	12	-4	-
	Hernösand ...	30·49	24	N	6	S	30·51	+·21	26	25	+2	N	4	S	*	S	*	27	21	0·08
	Stockholm ...	30·31	29	ENE	2	E	30·39	+·26	30	29	+5	E	2	f	*	S	*	30	21	0·08
	Wisby	30·26	28	SE	4	O	30·34	+·25	30	29	+3	SE	4	o	*	O	*	30	23	0·08
	Karlstad ...	30·25	26	N	2	S	30·32	+·16	27	26	+3	NE	2	S	*	S	*	*	*	0·08
	Bodö	30·52	21	E	2	b	30·50	+·01	22	21	-1	E	2	b	1	b	*	23	16	-
	Christiansund ...	30·38	28	SE	2	b	30·26	-·17	30	28	-4	ESE	2	b	3	b	*	34	27	-
	Skudesnaes ...	30·27	32	E	4	c	30·21	-·03	31	28	+3	ESE	4	o	3	b,c	*	34	27	*
	Færder (Christiania Fjord)	30·28	27	NE	2	c	30·25	+·05	28	27	0	E	4	o	3	c	*	28	27	0·04
	Skagen (The Scaw)	30·23	29	ENE	1	S	30·25	+·08	29	28	+1	S	1	o	0	S	*	29	27	0·04
	Fanö	30·19	21	N	1	b	30·18	+·02	21	21	-10	Z	0	b	*	b	*	34	21	-
British Islands.	Sumburgh Head	30·23	36	NNE	1	o	30·01	-·29	36	32	-1	Z	0	o	3	o	*	39	34	0·04
	Stornoway ...	30·23	35	ESE	3	bc	30·01	-·33	34	33	+3	Z	0	o	0	o,bc	0·0	37	30	-
	Wick	30·21	34	NW	2	c	30·00	-·27	33	33	-3	NW	2	o	2	c,s	*	38	30	0·10
	Nairn	30·22	34	NNW	1	o	30·05	-·29	32	31	-1	Z	0	o	0	o,s	*	35	30	0·04
	Aberdeen ...	30·20	35	NNE	3	o r sp	30·06	-·24	32	31	-2	NW	2	bc	3	prs. sp	0·2	37	32	0·07
	Leith	30·18	37	W	1	o	30·03	-·26	38	32	-1	Z	0	f	*	o	*	37	32	-
	Shields	30·14	35	NW	2	cp	30·03	-·19	34	34	-4	W	1	m	2	c r sp	*	40	32	0·06
	Spurn Head ...	30·11	36	ENE	3	bcv	30·06	-·10	36	34	0	SE	3	cv	3	bcv	*	41	34	-
	York	30·13	34	N	1	c	30·07	-·14	31	31	-1	S	1	o	*	c,o	0·7	37	30	0·01
	Loughborough ...	30·12	35	NE	3	c	30·06	-·14	30	29	-3	NE	1	o m	*	S.C,b,m	*	39	27	0·01
	Ardrossan ...	30·19	35	NNE	2	o m	30·03	-·27	33	33	+1	NE	1	of	1	bc m. om	*	37	30	-
	Malin Head ...	30·19	36	S	1	cg	30·01	-·28	32	31	+2	S	1	bm	0	c, cg	*	38	31	-
	Belmullet ...	30·20	35	E	1	b	30·00	-·31	31	30	-3	ESE	1	b	*	b	*	42	28	-
	Donaghadee ...	30·19	31	NNW	3	bc	30·03	-·27	38	36	0	ENE	3	c	1	bc	*	41	30	-
	Liverpool (Bidston)	30·14	35	NNE	1	c	30·07	-·17	31	31	0	SE	1	b	?	o,c	*	36	29	-
	Holyhead ...	30·15	38	NE	2	b	30·02	-·22	33	32	-5	S	1	c	0	b	*	39	31	0·01
	Parsonstown ...	30·17	30	Z	0	b	30·02	-·27	22	22	-4	Z	0	b	*	b	+2	36	22	-
	Valencia ...	30·16	35	ENE	2	b	30·01	-·28	29	28	-6	ENE	1	c	2	bv,b	6·9	41	25	-
	Roche's Point ..	30·16	35	NNE	3	b	30·01	-·26	32	32	-2	NE	2	b	3	b	*	41	30	-
	Pembroke (St. Ann's Hd.)	30·09	37	E	4	o	30·01	-·17	33	32	-2	E	3	b m	2	c,o	3·6	36	31	-
	Scilly	30·01	39	NE	5	c	29·93	-·15	38	35	-2	ENE	4	c	3	c	4·0	42	34	-
	Prawle Point ...	30·01	36	NE	4	c	29·94	-·16	33	33	0	N	3	o q	2	o,c	*	36	32	-
	Jersey (St. Aubin's)	29·92	40	ENE	6	o	29·83	-·14	40	38	+1	NE	3	o m	3	o	*	40	36	-
	Hurst Castle ...	30·00	39	NE	5	o m	29·93	-·17	36	34	+1	NE	3	o m	2	o m	*	39	34	-
	Dungeness ...	29·97	38	ENE	5	o	29·90	-·15	36	35	-1	ENE	4	o	4	o	*	40	34	0·01
	North Foreland	30·05	37	E	4	c	29·94	-·16	36	35	-2	E	5	o q	4	o,c	*	40	34	0·02
	London (Brixton) ...	30·06	37	NE	3	c	29·98	-·16	34	32	-1	NE	2	o q	*	c, bc	0·0	40	32	-
	Oxford	30·08	35	NE	3	c	30·02	-·14	31	30	-3	NNE	3	o	*	sp.c	*	38	29	-
	Cambridge ...	30·10	32	NE	1	b	30·04	-·13	29	28	-2	NNE	2	o	*	b	3·7	41	28	-
	Yarmouth ...	30·07	37	E	5	b	30·02	-·10	33	31	-5	E	6	bc	6	bc v,b	*	39	31	-
Germany & Holland.	Cuxhaven ...	30·15	30	N	1	c	30·13	-·02	24	24	-2	E	2	b	*	c	*	30	23	-
	Berlin	30·17	29	NE	3	o	30·08	-·05	30	30	-1	SE	4	o	*	o	*	31	27	-
	Wiesbaden ...	*	*	*	*	*	29·91	-·11	34	33	+1	E	2	o	*	*	*	36	30	-
	Munich	29·92	30	E	3	o	29·84	-·11	28	28	-1	E	3	f	*	o	*	30	28	-
	The Helder ...	30·16	29	E	2	b	30·05	-·08	28	28	-4	ENE	4	b	2	b	*	32	27	-
Belgium.	Brussels ...	*	*	*	*	*	29·93	-·18	28	27	-4	NE	3	c	*	o	*	33	28	-
	Cape Gris Nez ...	29·96	34	E	4	o	29·88	-·16	30	30	-5	E	5	m	4	o	*	37	28	-
	Paris	30·07	35	NNE	3	o	29·88	-·12	34	33	+1	ENE	3	o	*	o	*	35	33	-
	Brest	29·89	35	NE	3	r	29·87	-·12	37	36	-1	NE	2	o	2	r	*	41	32	0·35
	Lorient	29·83	33	NE	6	S	29·82	-·11	34	33	-3	NE	4	c	3	S	*	41	34	0·04
France &	Rochefort ...	29·70	37	E	6	r	29·68	-·12	37	37	0	E	6	r	*	o r	*	41	36	0·04
	Belfort	29·88	31	ENE	4	m	29·78	-·14	28	28	-1	E	6	f	*	m	*	42	28	-
	Lyons	29·87	33	N	1	m	29·76	-·16	30	30	-2	NNW	1	m	*	m	*	36	30	0·04
	Nice	29·75	48	E	7	r	29·56	-·27	51	44	+8	E	7	o	5	r	*	54	43	-
	Perpignan ...	29·62	49	Z	0	r	29·52	-·19	43	43	-5	NW	2	r	*	r	*	50	42	2·40
	Biarritz ...	29·63	47	Z	0	o	29·61	-·07	48	46	+5	N	3	o	4	o	*	48	43	0·20
Peninsula.	Corunna ...																*			
	Lisbon ... † ...	29·80	49	N	5	c	29·90	+·21	46	42	-2	NNW	5	b	*	c	*	55	45	-
	Azores (P. Delgada)	30·32	54	NNW	2	o	30·30	-·05	54	53	+1	NW	3	m	2	o	*	57	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 6·3 hrs; Brighton 0·7 hrs; Hastings 2·0 hrs; Eastbourne 1·0 hrs.

WEATHER CHARTS

FOR Saturday, 16th January, 1897.

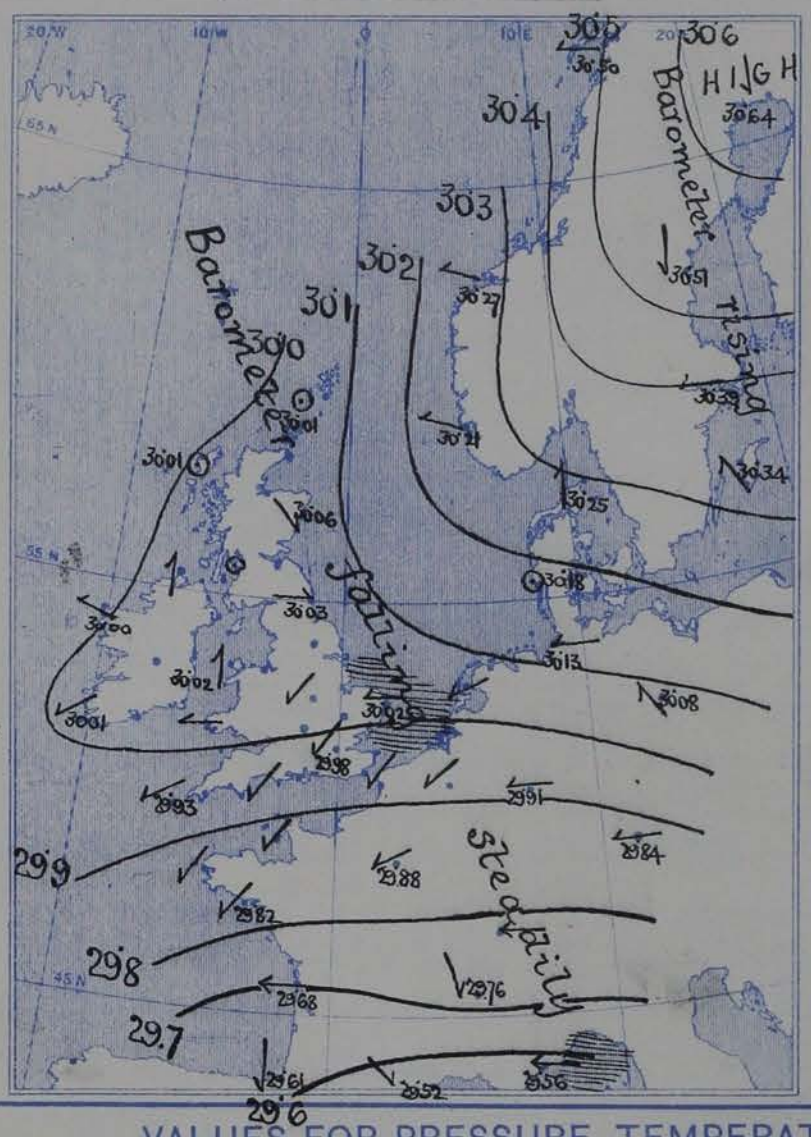
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*

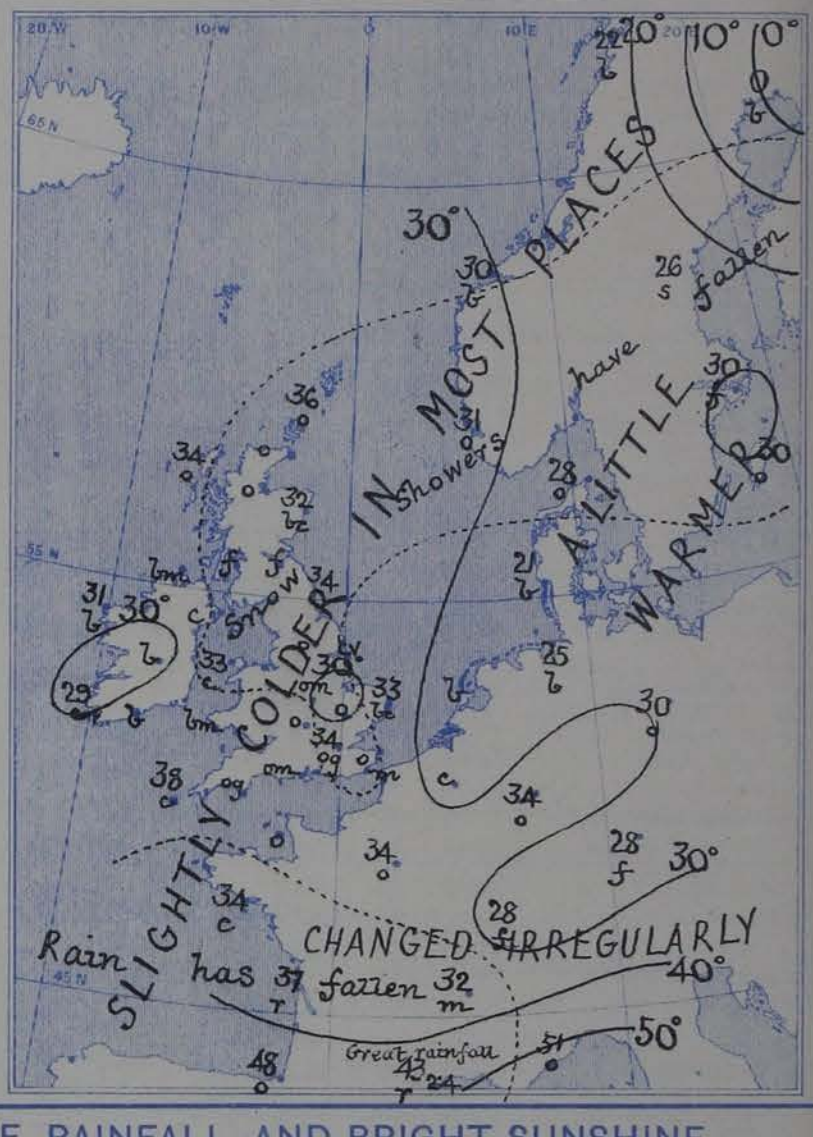


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 in: and upwards in Lapland; 30·1 in: and upwards in an anticyclone embracing the whole of Scandinavia and Denmark and the greater part of the North Sea.
Lowest, 29·5 in: and less. in a depression lying over the Gulf of Lions.
Gradients slight. Barometer falling at all but the Swedish stations.

TEMPERATURE

Highest, 51° at Nice, 48° at Biarritz, 43° at Perpignan, 40° at Jersey, and 38° at Donaghadee and Scilly.
Lowest (1) 0° Zero at Haparanda, 21° at Jacö, and 22° at Bodö; (2) 22° at Parsonstown, and 29° at Valencia (Ireland) and Cambridge.
Frost occurred last night in many parts of the United Kingdom, the lowest readings reported being: —(1) In the screen 22° at Parsonstown and Valencia (Ireland) and 27° at Loughborough; (2) On the grass 23° at Loughborough.

WIND

Calm or variable over the northern parts of the United Kingdom, but E. or N.E. at our southern stations, as well as over the western part of the Continent generally.
Light or moderate in force as a rule, but fresh or strong on our southeast coasts.

WEATHER

Fine in the west of our Islands, as well as on the west coasts of Norway and in Holland and Denmark.
Cloudy or dull in nearly all other parts of our area, with fog or mist in many places, rain at Rochefort and Perpignan, and snow at Herrosand and Karlstad.
Snow or sleet showers fell yesterday in many parts of Great Britain and also in Sweden, and rain in the west and south of France. At Perpignan the fall amounted to 2·4 in: making a total since 6pm on the 13th of 6·70 inches.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer is at present too uniform to lead to any material alteration in the weather. Temperature seems likely to remain low for a time, with snow showers in many parts of our eastern and southern districts.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light Variable airs; fair generally, but some fog or mist.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E. and SE. winds, light; cloudy, some snow showers.
3	ENGLAND EAST	E. and NE. winds, moderate or fresh; cloudy, some snow showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	Light breezes, chiefly E.; fair generally.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·28	34	32	E	4	b	2
Sumburgh Head	30·29	37	36	ENE	1	o	4
Stornoway	30·29	37	34	SSE	3	o	3
Aberdeen	30·24	35	34	NW	2	bcsp	3
Shields	30·18	39	38	ENE	2	crsp	3
Ardrossan	30·22	37	36	NNE	2	bcm	1
Malin Head ...	30·24	37	36	S	1	c	0
Belmullet	30·20	*42	40	E	1	b	*
Holyhead	30·19	38	36	ENE	2	cph	2
Valencia	30·20	41	36	E	1	bv	2
Scilly	30·09	41	38	NE	5	c	3
Jersey	29·94	40	37	NE	5	o	4
Hurst Castle ...	30·04	38	36	NE	3	om	2
Dungeness ...	29·99	39	37	ENE	4	o	3
North Foreland	30·06	38	35	E	4	o	3
London (Westminster)	30·07	40	36	ENE	3	bcm	*
Yarmouth ...	30·09	37	35	ENE	4	bcv	4
Rochefort ...	29·75	40	39	E	6	o	*

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

Weather is mostly fair or fine over the greater part of our Islands and also in the west and north of Scandinavia, the western parts of the Spanish Peninsula, Greece and the south of Italy. Dull in nearly all other parts of the Continent, with fog over Austria and northern Italy, rain in the extreme south of France, and snow at some of the Swedish and Russian stations, and also at Breslau. Snow showers falling later in many parts of Great Britain and also in Sweden and Denmark; rain falling in the west and south of France, heavily (2·4 ins.) at Perpignan.

Temperature fallen in most of the western and central countries, but changed irregularly elsewhere. Morning readings highest 60° at Malta, 58° at La Calle, and 57° at Algiers and Tfax, above 50° at several of the Mediterranean and Adriatic stations. Lowest 4° at Archangel, 8° at Haparanda, 12° at Kuopio, and 17° at Moscow. Below the freezing point over northern, eastern, and Central Europe generally, as well as in several isolated parts of the United Kingdom. Daily maxima below 40° at many of our own stations, and very little above it in the west of France, but thermometer reaching 50° or more in the south of France and touching 55° at Lisbon.

Wind NE (N to E) over western and northern Europe as a whole, but NW in the north and east of Scotland; light or moderate in force generally, but fresh in the Bay of Biscay and the western part of the Channel. Light from the SE over Central Russia, N in Germany, calm in Austria, S or SE in Italy. Subsequently freshening from the NE at all the English Channel stations; no important change occurring elsewhere.

Barometer highest 30·4 ins. and upwards over the extreme northern parts of the Continent. Lowest 29·4 ins. and less in a depression over Morocco and Western Algeria. Gradual fall of barometer taking place over Western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 17th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·65	1	↗	0	f	30·40	−·24	−5	−5	− 5	↗	0	f	*	f	*	3	−8	—
	Hernösand ...	30·56	22	N	4	s	30·60	+·09	20	19	− 6	N	2	0	*	s	*	27	19	0·16
	Stockholm ...	30·45	32	↗	0	0	30·50	+·11	30	29	0	E	2	0	*	0	*	34	25	—
	Wisby														*		*			
	Karlstad ...	30·42	27	↗	0	0	30·45	+·13	28	28	+ 1	NNE	2	0	*	0	*	*	*	—
	Bodö	30·45	29	ENE	2	b	30·37	−·13	31	28	+ 9	E	2	b	1	b	*	?	18	—
	Christiansund ...	30·26	31	ESE	1	b	30·30	+·04	32	30	+ 2	SSE	2	b	3	b	*	32	28	—
	Skudesnaes ...	30·28	31	SE	4	b	30·26	+·05	30	29	− 1	↗	0	0	1	b	*	32	27	*
	Færder (Christiania Fjord)	30·39	24	NE	2	b	30·36	+·11	29	28	+ 1	NNE	3	0	2	b	*	29	23	0·04
	Skagen (The Scaw)	30·32	29	E	1	c	30·29	+·04	32	32	+ 3	E	3	0	2	c	*	34	23	0·08
	Fanö	30·45	26	ENE	3	0	30·01	−·17	33	32	+ 12	E	4	0	*	0	*	34	21	—
British Isles.	Sumburgh Head	29·96	35	SW	2	c	30·10	+·09	35	34	− 1	S	3	0	4	c	*	37	32	0·05
	Stornoway ...	29·95	37	WSW	3	0	30·02	+·01	38	36	+ 4	WSW	3	0	4	0	0·1	38	32	—
	Wick	29·90	31	NW	2	bc	30·05	+·05	33	32	0	W	2	bc	2	bc	*	37	28	—
	Nairn	30·00	31	↗	0	c	30·10	+·05	21	21	− 11	↗	0	b	0	c	*	34	19	—
	Aberdeen ...	30·04	31	WSW	1	b	30·14	+·08	27	26	− 5	WSW	1	0	3	gms p, b	0·2	35	24	003
	Leith	30·09	35	↗	0	b	30·11	+·08	30	29	− 3	W	1	om	*	b	*	39	27	—
	Shields	30·06	35	S	2	0	30·07	+·04	30	30	− 4	NW	2	s	2	0, rsp	*	37	29	0·17
	Spurn Head ...	30·02	37	ENE	4	ov	29·98	−·08	35	34	− 1	N	4	ov	4	ov, s	*	38	32	013
	York	30·05	33	ENE	1	0	30·05	−·02	31	31	0	N	1	bc	*	0	0·0	35	30	003
	Loughborough ...	30·03	32	NE	1	0	30·04	−·02	30	29	0	NW	1	0	*	om, sp, c	*	34	30	004
	Ardrossan ...	30·00	35	E	1	0	30·11	+·08	29	29	− 4	NE	1	bf	1	sp, of	*	36	27	—
	Malin Head ...	29·96	32	S	2	b	30·05	+·04	30	30	− 2	SSE	3	bcm	1	bm	*	38	29	—
	Belmullet ...	29·94	33	SE	2	b	30·07	+·07	34	33	+ 3	SSE	1	0	*	b	*	37	28	—
	Donaghadee ...	30·03	34	WSW	3	c	30·07	+·04	36	33	− 2	SE	3	bc	1	c	*	38	32	0·01
	Liverpool (Bidston)	30·05	31	↗	0	0	30·08	+·01	29	28	− 2	ENE	1	b	?	0	*	33	28	—
	Holyhead ...	30·01	34	↗	0	c	30·08	+·06	32	30	− 1	NE	2	bcm	1	bc, cm	*	38	?30	—
	Parsonstown ...	29·97	30	↗	0	b	30·04	+·02	30	30	+ 8	↗	0	b	*	b	2·7	34	21	—
	Valencia ...	29·90	38	SE	4	r	29·97	−·04	37	36	+ 8	NE	5	cg	4	om rm	0·0	42	28	013
	Roche's Point ..	29·97	42	S	4	c	29·96	−·05	40	40	+ 8	ESE	7	r	5	c, r	*	43	32	035
	Pembroke (St. Ann's Hd.)	30·01	33	E	3	b	30·06	+·05	31	30	− 2	E	2	bm	2	b	6·8	35	30	—
	Scilly	29·94	41	NNE	2	c	29·97	+·04	42	40	+ 4	ESE	5	0	2	c	3·8	42	33	—
	Prawle Point ...	29·98	33	NE	3	0	30·06	+·12	27	27	− 6	NNE	3	b	2	og	*	38	27	—
	Jersey (St. Aubin's)	29·90	40	NE	3	0	30·03	+·15	38	36	− 2	NNW	3	0	3	od	*	40	37	004
	Hurst Castle ...	29·94	33	NE	3	sp	30·02	+·09	29	29	− 7	NNW	3	bm	1	=p	*	36	28	017
	Dungeness ...	29·86	35	NE	4	r	29·91	+·01	34	33	− 2	NNE	4	0	3	c, r, s	*	37	32	010
	North Foreland	29·92	37	E	5	r	29·90	−·04	36	35	0	NW	4	og	4	0, r	*	38	34	011
	London (Brixton) ...	29·95	32	E	1	os	30·01	+·03	32	31	− 2	NNW	2	0	*	ogm, os	0·0	39	31	0·11
	Oxford	30·01	31	NNE	2	s	30·04	+·02	31	30	0	N	1	og	*	0, s	*	30	28	004
	Cambridge ...	30·01	32	NNE	1	os	29·99	−·05	32	32	+ 3	NNW	3	0	*	os	0·0	34	28	026
	Yarmouth ...	29·97	34	ENE	6	c	29·88	−·14	35	34	+ 2	NNW	3	cg	5	c	*	35	31	026
Germany & Holland.	Cuxhaven ...	30·08	28	ENE	3	0	29·88	−·25	33	33	+ 9	E	3	0	*	0	*	34	24	—
	Berlin	30·03	34	NE	3	0	29·94	−·14	34	30	+ 4	E	4	f	*	0	*	34	30	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29·71	31	SE	2	f	29·74	−·10	31	31	+ 3	W	4	0	*	0	*	32	28	—
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*	29·88	−·05	30	29	+ 2	W	1	0	*	0	*	32	28	—
	Cape Gris Nez ...	29·85	35	E	3	m	29·88	·00	39	37	+ 9	N	5	0	5	m	*	39	30	—
	Paris	29·81	34	NNE	2	0	29·90	+·02	32	31	− 2	N	2	0	*	0	*	35	31	—
	Brest	29·95	40	NNE	2	c	30·03	+·16	35	33	− 2	NNE	1	b	2	c	*	43	32	—
	Lorient	29·92	42	N	4	0	30·02	+·20	38	35	+ 4	N	4	c	2	0	*	42	30	—
France &	Rochefort ...	29·80	37	NE	5	m	29·97	+·29	39	38	+ 2	NNE	4	m	*	m	*	41	36	—
	Belfort	29·88	30	ENE	5	f	29·81	+·03	30	30	+ 2	W	2	f	*	f	*	30	28	—
	Lyons	29·74	33	N	2	m	29·88	+·12	33	31	+ 3	WSW	1	0	*	m	*	35	30	004
	Nice	29·54	48	ENE	4	r	29·64	+·08	45	42	− 6	E	2	c	4	r	*	54	43	055
	Perpignan ...	29·61	46	NW	5	0	29·75	+·23	41	38	− 2	NW	4	0	*	0	*	47	40	1·26
	Biarritz ...	29·75	47	N	6	r	29·94	+·33	45	43	− 3	N	6	r	4	r	*	54	41	0·39
Penin-sula.	Corunna ...																*			
	Lisbon	30·04	49	NNW	4	c	30·11	+·21	46	43	0	N	4	bc	*	c	*	52	46	—
	Azores (P. Delgada)	30·43	55	NE	3	b	30·48	−·18	54	49	0	NE	3	0	2	b	*	59	48	—

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.*

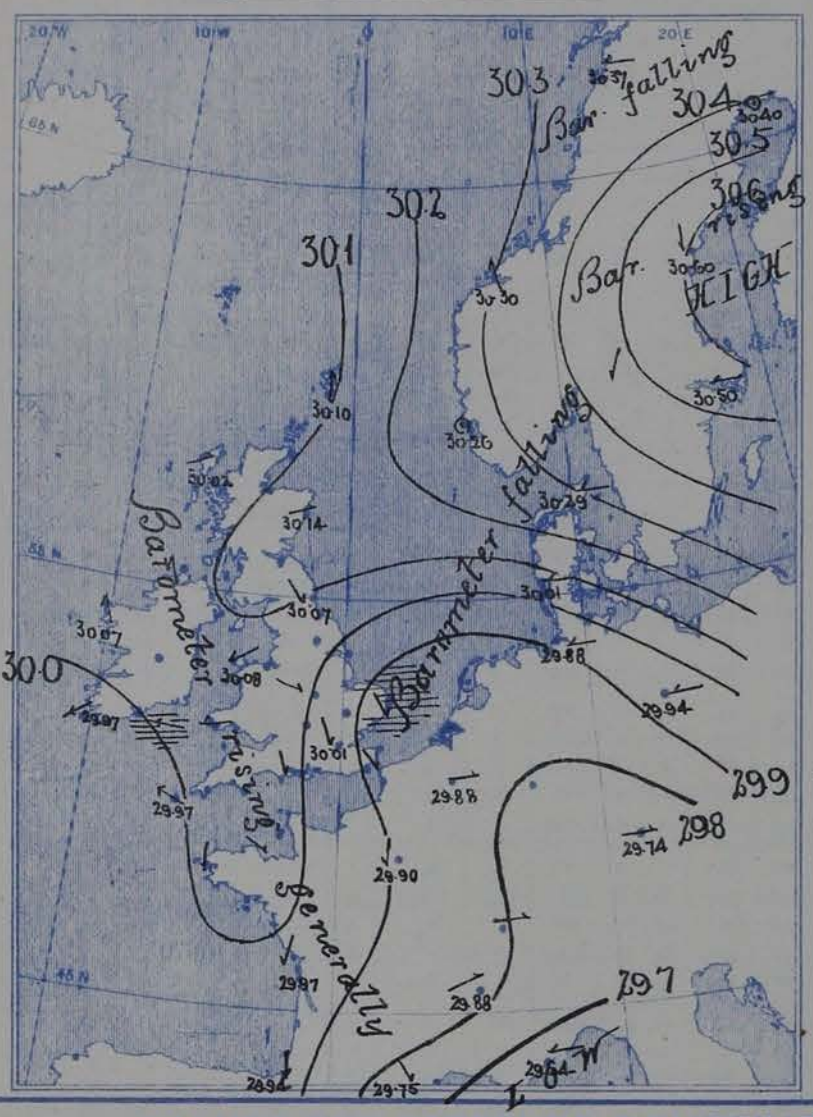
Bright Sunshine yesterday Southport 0·0 hrs; Brighton ? hrs; Hastings ? hrs; Eastbourne 0·0 hr:

WEATHER CHARTS

FOR SUNDAY, 17TH JANUARY, 1897.

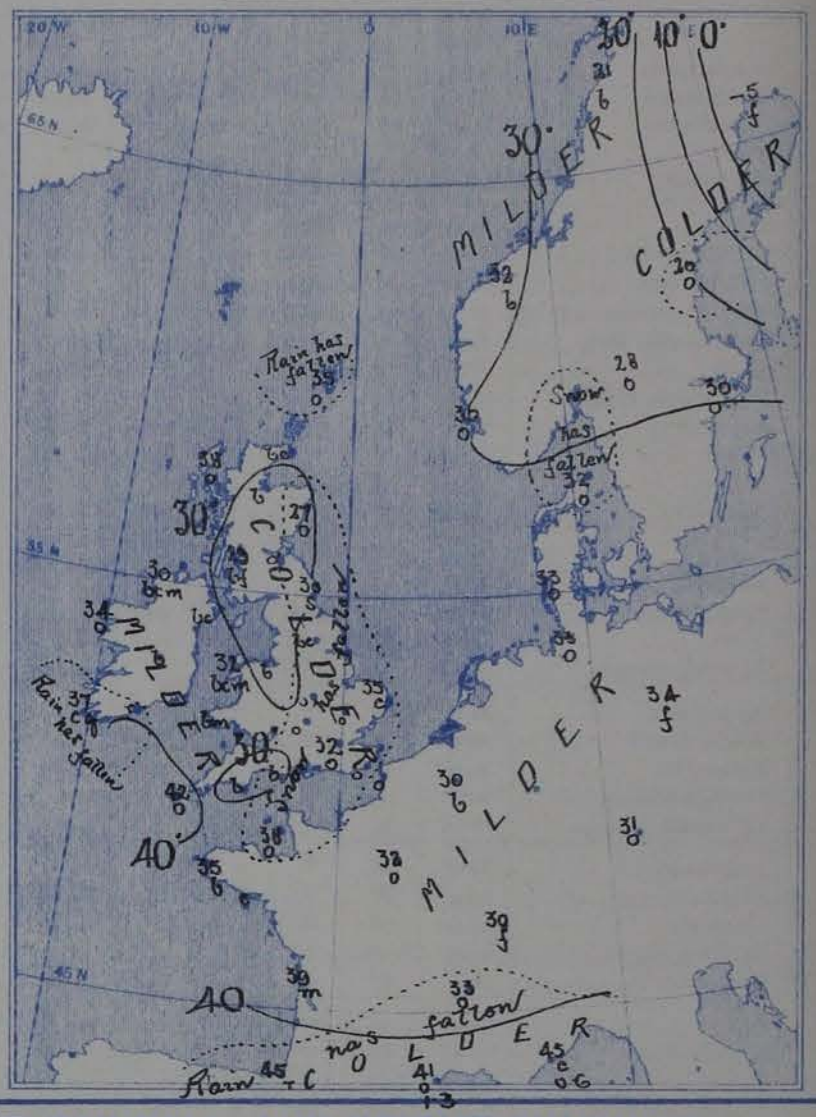
BAROMETER, WIND AND SEA.

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



TEMPERATURE & WEATHER.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—*	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 in: and upwards, over the southern part of the Gulf of Bothnia; 30·2 in: and upwards over the whole of Scandinavia and the north of Denmark, 30·1 in: and upwards over the south of Portugal

Lowest, 29·7 in: and less, in the extreme south of France; 29·85 in: and less (apparently) in a shallow depression over the Netherlands.

Gradients slight generally, but moderate over Denmark and the neighbouring parts of Sweden and the North Sea.

Barometer falling in Denmark, North Germany, and the south of Norway, but rising elsewhere.

TEMPERATURE

Highest, 46° at Lisbon, 45° at Nice and Biarritz, 42° at Scilly, 41° at Perpignan and 40° at Roche's Point.

Lowest (1) −5° at Haparanda, +20° at Hernösand and 28° at Karlstad; (2) 21° at Nairn and 27° at Aberdeen and Prawle Point.

Frost occurred last night in many parts of the United Kingdom; the lowest readings in the screen being 19° at Nairn and 24° at Aberdeen.

WIND

Light to moderate from the E.ly over Denmark, North Germany, and the south of Scandinavia, and from the N.ly over the greater part of England and France.

E. or S.E. on our western coasts, with a moderate gale at Roche's P., light from the W.ly or S.W.ly in Scotland; variable over the northern parts of Scandinavia.

WEATHER

Fine at many of our western and northern stations, but rainy at Roche's P.

Dull in the eastern parts of the United Kingdom, as well as at most of the Continental stations with snow at Shields and with rain at Biarritz.

Since yesterday morning snow or sleet has fallen in many parts of Great Britain, and rain in the south of Ireland and also in the south of France. At Perpignan there was a further fall of 1·26 in: bringing up the total since 6 pm of the 13th to 7·96 in:

SEA

Moderate to smooth generally, but rather rough at Roche's Point, Yarmouth and C. Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 18th JANY. **1897.**

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·25	31	28	SE	4	c	3
Sumburgh Head	29·98	36	34	S	2	c	3
Stornoway	29·96	38	35	WSW	3	o	3
Aberdeen	30·03	34	33	WSW	1	cgmsp	3
Shields	30·05	35	34	SW	2	o	2
Ardrossan	30·00	35	35	NE	1	osp	1
Malin Head ...	29·96	38	37	S	2	b	0
Belmullet	29·95	31	29	SE	1	b	*
Holyhead	30·01	37	34	S	1	bc	0

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·94	39	37	W	0	om	2
Scilly	29·95	41	36	NE	3	c	3
Jersey	29·87	40	39	ENE	4	om	3
Hurst Castle ...	29·93	33	33	NNE	2	s	2
Dungeness ...	29·86	36	35	NE	4	c	3
North Foreland	29·93	34	33	E	4	o	4
London (Westminster)	29·95	36	33	NE	1	ogm	*
Yarmouth ...	29·98	34	31	ENE	6	c	5
Rochefort ...	29·72	38	37	ENE	5	m	*

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

Weather in morning fine in the west of our Islands, as well as on the west coasts of Norway, and in Holland, Denmark, and Portugal. Cloudy or dull elsewhere, with fog or mist in many places, rain in several parts of Italy and the south of France, and snow at Hernosand, Karlstad, and Swinemunde. Snow or sleet falling later in many parts of Great Britain, and rain in the south of Ireland. Rain occurring also in the south of France, - heavily at Perpignan, where the total since 6 pm on the 13th amounted to 1·70 in:.

Temperature fallen a little in our Islands and their immediate neighbourhood, but risen in most other parts of Europe. Morning readings highest 63° at Malta, 59° at Brindisi, and 58° at Naples and Cagliari; above 50° at the Mediterranean and Adriatic stations generally. Lowest 0, Zero, at Haparanda and Uleaborg, 17° at St Petersburg, and 19° at Archangel; below the freezing point over northern, Eastern and central Europe generally, as well as in many parts of the United Kingdom, and as low as 22° at Parsonstown. Daily maxima below 35° at several stations in Great Britain, and also in Central Ireland, but thermometer exceeding 50° over the Spanish Peninsula and the extreme south of France. Frost occurring over our Islands at night; thermometer at Nairn falling to 19°.

Wind calm or variable over the northern parts of the United Kingdom, but E[3] or NE[3] at our southern stations, as well as in the western, northern and central parts of the Continent generally; fresh or strong in force on our east and southeast coasts. Moderate to strong from the SE[3] in Italy; strong from the E[3] in the south of France; SW[3] in Algeria. Subsequently veering to the SE[3] or S[3] in Ireland; shifting to the SW[3] in Scotland.

Barometer highest 30 in: and upwards in Lapland; 30·1 in: and upwards in an anticyclone embracing all the most northern and eastern parts of the Continent. Lowest 29·5 in: and less, in a large depression lying over the western part of the Mediterranean. Depression subsequently moving eastwards, new disturbance - small and very shallow - appearing off the southwest 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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DAILY WEATHER REPORT

for 8 a.m. on Monday, 18th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·62	0	NW	2	ʃ	30·58	+·18	3	3	+ 8	SW	0	ʃ	≡	ʃ	≡	3	-6	-
	Hernösand ...	30·60	19	SW	0	0	30·52	-·08	20	20	0	SW	0	0	≡	0	≡	23	18	-
	Stockholm ...	30·49	25	ENE	2	0	30·45	-·05	22	21	- 8	ENE	4	0	≡	0	≡	30	22	-
	Wisby	30·41	28	ESE	6	0	30·38		28	27		ESE	4	0	≡	0	≡	30	23	-
	Karlstad ...	30·45	27	ENE	4	0	30·33	-·12	27	26	- 1	ENE	4	0	≡	0	≡	≡	≡	-
	Bodö	30·32	26	NE	4	b	30·21	-·16	27	23	- 4	?	4	b	1	b	≡	32	21	-
	Christiansund ...	30·28	30	SE	1	c	30·12	-·18	34	33	+ 2	SW	0	0	3	c	≡	34	28	-
	Skudesnaes ...	30·13	37	E	6	0	30·07	-·19	32	32	+ 2	E	4	S	2	0	≡	36	27	≡
	Færder (Christiania Fjord)	30·33	31	NE	3	0	30·24	-·12	30	29	+ 1	ENE	4	S	2	0	≡	32	28	-
	Skagen (The Scaw)	30·19	32	ESE	5	0	30·16	-·13	32	31	0	SE	5	0	2	0	≡	34	32	0·04
	Fanö	29·94	39	ESE	6	0	29·96	-·05	33	33	0	ESE	1	c	≡	0	≡	34	32	0·16
British Isles.	Sumburgh Head	30·10	36	S	3	bc	30·03	-·07	35	35	0	SW	0	0	4	bc	≡	38	32	0·06
	Stornoway ...	30·09	36	SW	0	0	30·09	+·07	35	35	- 3	NNW	2	bc	2	0	0·0	39	29	0·04
	Wick	30·06	24	NW	1	bc	30·02	-·03	34	33	+ 2	NW	2	c	3	bc	≡	39	20	0·03
	Nairn	30·14	23	SW	0	b	30·09	-·01	34	34	+ 13	SW	0	S	1	b	≡	35	19	0·01
	Aberdeen ...	30·10	29	NNW	3	c	30·07	-·07	31	30	+ 4	NW	3	b	4	c, q	0·9	32	27	-
	Leith	30·10	31	W	1	ʃ	30·07	-·04	32	31	+ 2	NSW	2	om	≡	ʃ	≡	35	29	-
	Shields	30·03	39	NW	1	bc	30·05	-·02	31	31	+ 1	NNW	2	c	4	s, bc	≡	36	27	0·05
	Spurn Head ...	29·96	35	NW	4	c	30·02	+·04	32	32	- 3	NNW	4	b	4	c, ps	≡	36	31	0·03
	York	30·05	32	N	1	b	30·08	+·03	28	28	- 3	NNW	1	b	≡	b	4·5	35	25	-
	Loughborough ...	30·07	30	W	1	b	30·09	+·05	26	26	- 4	W	2	b	≡	om, bc, b	≡	35	25	-
	Ardrossan ...	30·11	34	SW	0	of	30·13	+·02	26	25	- 3	NE	1	bʃ	1	of	≡	36	25	-
	Malin Head ...	30·07	34	SW	4	or	30·09	+·04	32	31	+ 2	S	1	bm	0	c, or	≡	36	29	0·04
	Belmullet ...	30·20	39	NNE	2	c	30·08	+·01	33	32	- 1	NE	1	b	≡	bc, c	≡	41	29	0·10
	Donaghadee ...	30·13	30	W	3	b	30·11	+·04	28	28	- 8	W	3	b	1	b	≡	39	25	-
	Liverpool (Bidston)	30·13	35	NNW	2	b	30·11	+·03	32	32	+ 3	WSW	1	c	1	b	≡	36	28	-
	Holyhead ...	30·13	36	N	1	b	30·12	+·04	34	32	+ 2	S	1	cf	0	b	≡	37	30	-
	Parsonstown ...	30·16	33	S	0	0	30·11	+·07	29	29	- 1	SW	0	ʃ	≡	bc, o	5·7	37	26	-
	Valencia ...	30·17	37	NE	1	b	30·07	+·10	36	34	- 1	ESE	2	b	2	b	5·4	42	29	-
	Roche's Point ..	30·15	35	ENE	2	b	30·11	+·15	29	29	- 11	NE	2	b	3	r, b	≡	42	27	0·15
	Pembroke (St. Ann's Hd.)	30·14	31	E	2	b	30·12	+·06	37	34	+ 6	ESE	2	bq	2	b	4·4	37	30	-
	Scilly	30·02	45	ESE	4	0	30·06	+·09	40	38	- 2	E	4	om	0	0	0·2	47	38	-
	Prawle Point ...	30·14	34	NE	2	0	30·14	+·08	29	29	+ 2	NE	3	bc	2	0, c	≡	42	27	-
	Jersey (St. Aubin's)	30·10	38	NNW	2	c	30·14	+·11	31	30	- 7	NW	2	bcm	2	0, cw	≡	39	30	-
	Hurst Castle ...	30·11	29	NW	2	cm	30·13	+·11	25	25	- 4	NW	1	bm	1	cm	≡	34	24	-
	Dungeness ...	30·01	33	NNE	3	0	30·07	+·16	24	24	- 10	NNW	1	b	1	0	≡	36	23	-
	North Foreland	30·01	35	NW	4	0	30·08	+·18	30	29	- 6	NW	3	bc	2	0	≡	37	29	-
	London (Brixton) ...	30·05	33	NNW	2	bc	30·11	+·10	24	22	- 8	W	1	bm	≡	c, bm	0·0	35	22	-
	Oxford	30·11	29	W	2	b	30·13	+·09	23	23	- 8	W	1	bm	≡	o, bf	≡	33	23	-
	Cambridge ...	30·04	31	NNW	3	b	30·09	+·10	22	22	- 10	NW	1	bm	≡	b	2·3	34	21	-
	Yarmouth ...	29·90	35	NNW	4	c	30·01	+·13	27	27	- 8	W	3	bcf	4	cqm	≡	38	25	0·04
Germany & Holland.	Cuxhaven ...	29·86	32	SE	2	0	29·94	+·06	33	33	0	S	1	o	≡	om	≡	34	32	-
	Berlin	29·99	34	ESE	3	0	30·04	+·10	33	33	- 1	ESE	3	ʃ	≡	0	≡	34	32	-
	Wiesbaden ...	*	*	*	*	*	30·04		33	32		SW	0	0	≡	≡	≡	36	32	-
	Munich... ..	29·91	31	SW	3	0	29·98	+·24	30	30	- 1	W	1	0	≡	0	≡	32	30	-
	The Helder ...	29·86	34	SW	3	0	29·96		37	37		W	1	c	1	0	≡	37	32	0·04
Belgium.	Brussels ...	*	*	*	*	*	30·06	+·18	33	33	+ 3	NNW	2	0	≡	r	≡	34	30	0·04
	Cape Gris Nez...	29·98	35	N	5	0	30·04	+·16	33	30	- 6	N	2	m	2	0	≡	39	30	-
	Paris	30·03	36	NNW	1	0	30·10	+·20	34	32	+ 2	SW	2	0	≡	0	≡	37	32	-
	Brest	30·08	41	ESE	2	c	30·09	+·06	40	37	+ 5	E	3	bc	2	c	≡	43	34	-
	Lorient... ...	30·10	40	SW	0	0	?	?	38	34	0	ESE	3	c	2	0	≡	46	30	-
France &	Rochefort ...	30·06	37	NNE	3	0	30·09	+·12	35	34	- 4	NE	2	bc	≡	0	≡	41	34	-
	Belfort	29·95	28	W	1	ʃ	30·02	+·21	28	27	- 2	W	2	ʃ	≡	ʃ	≡	31	27	0·04
	Lyons	30·02	31	NW	1	sm	30·02	+·14	29	29	- 4	NW	1	sm	≡	sm	≡	34	28	-
	Nice	29·75	47	SW	0	0	29·81	+·17	44	43	- 1	SW	0	c	3	0	≡	57	43	-
	Perpignan ...	29·92	42	NW	4	0	29·98	+·23	38	34	- 3	NW	3	b	≡	0	≡	44	37	-
	Biarritz ...	30·02	41	E	3	0	30·04	+·10	37	34	- 8	E	3	c	2	0	≡	48	36	-
Penin-sula.	Corunna ...																≡			
	Lisbon	30·09	47	NNW	1	c	30·05	-·06	44	39	- 2	N	4	b	≡	c	≡	52	43	-
	Azores (P. Delgada)	30·47	56	SSW	4	bc	30·28	-·20	59	59	+ 5	WSW	5	0	4	bc	≡	61	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 5·2 hrs; Brighton 3·1 hrs; Hastings 1·7 hrs; Eastbourne 2·1 hr.

WEATHER CHARTS

FOR Monday, 18th January, 1897.

BAROMETER, WIND AND SEA.

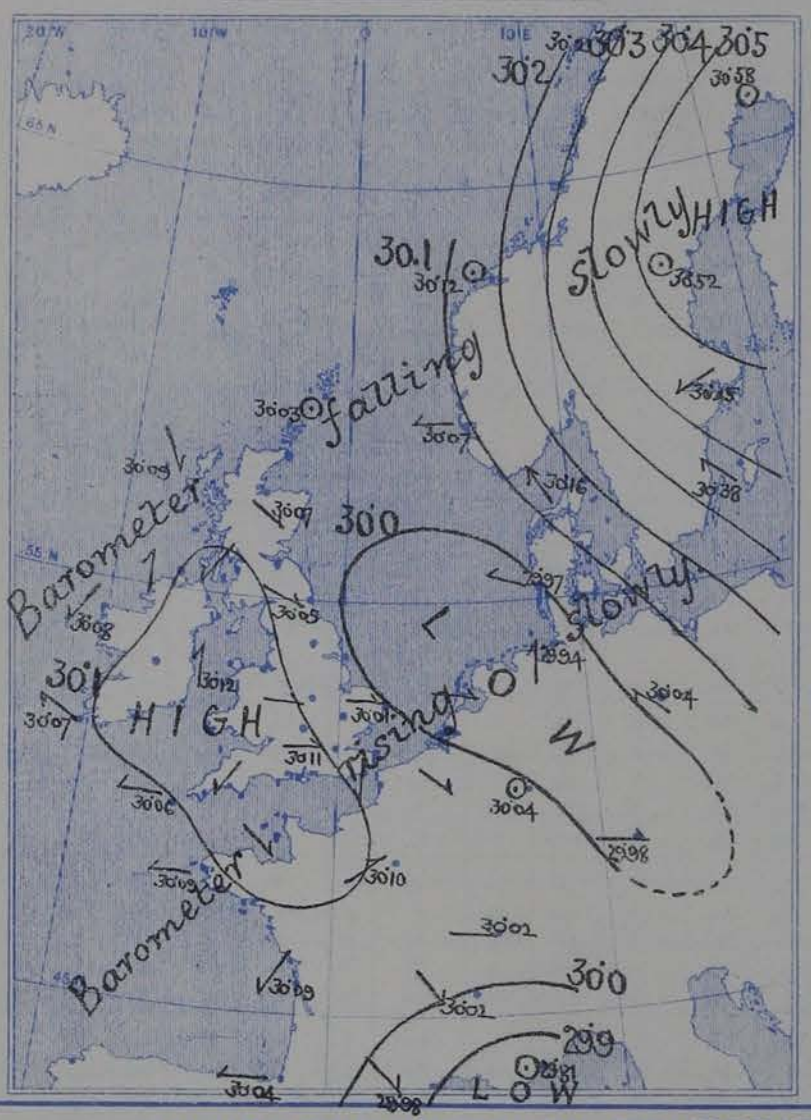
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▨

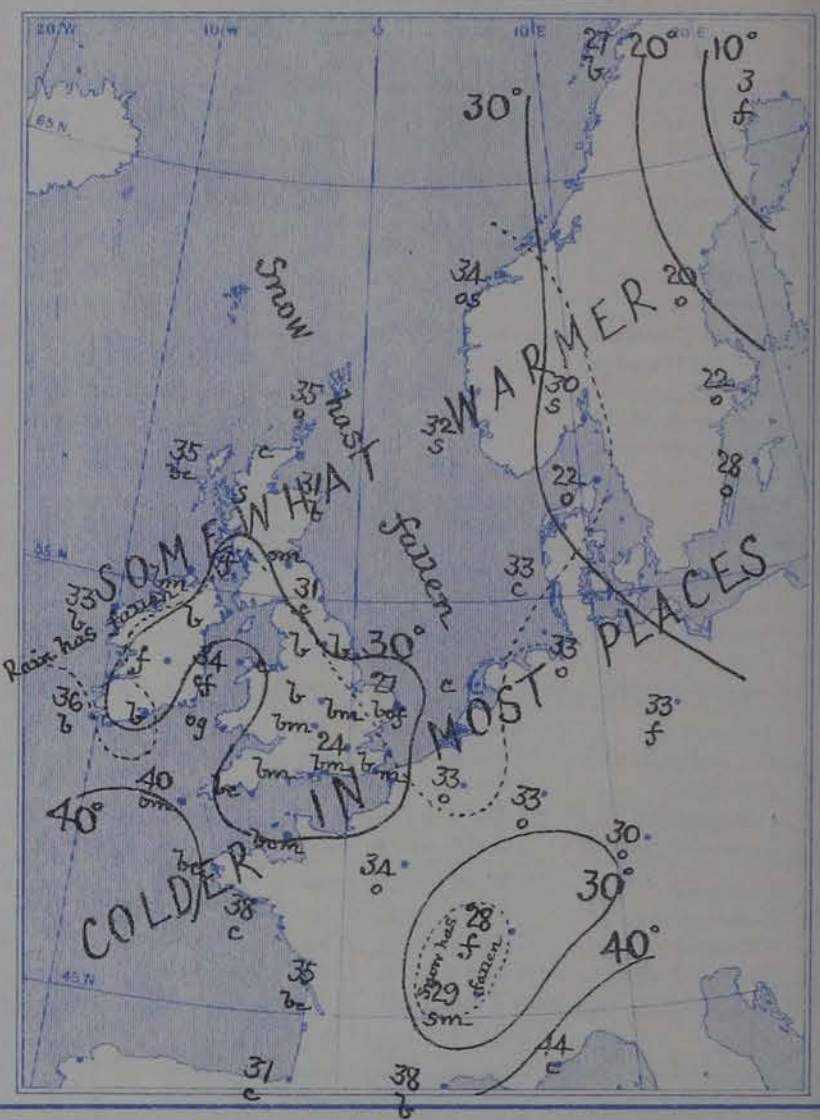


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 an anticyclone lying over the Gulf of Bothnia; 30·1 ins: and upwards in another system lying over the greater part of England and Ireland and the north of France.

Lowest, 29·9 ins: and less, in the extreme south of France, 30·0 ins: and less, in a shallow area lying over Germany, Holland, and the southern part of the North Sea

Gradients slight. Barometer falling in the west and north of our Islands, and also in Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, 44° at Nice, 40° at Sicily and Brest, 38° at Lorient and Perpignan, and 37° at Pembroke, the Helder, and Pirmitz.

Lowest; (1) 3° at Haparanda, 20° at Hernösand, and 22° at Stockholm; (2) 21° at Cambridge, 23° at Oxford, and 24° in London and at Dungeness.

Sharp frost occurred over England last night the lowest readings reported being:— In the screen 21° at Cambridge, 22° in London, and 23° at Dungeness and Oxford; (2) On the grass 16° in London, and also at Loughborough and Oxford.

WIND

Light from the NW.ly or W.ly over the northern and eastern parts of our Islands, as well as in the Netherlands and Central France. Variable on our northwest coasts; light from the E.ly in the southwest of our Islands and the west of France, and moderate from the same quarter in Denmark and the south of Scandinavia; calm or variable over the northern parts of Scandinavia.

WEATHER

Fair over the greater part of our Islands and France, but foggy or misty in places; snow is falling at Nairn and about Lyons. Dull in Scandinavia, Denmark and Germany, with snow in the south of Norway.

Snow showers fell yesterday in the northern and eastern parts of Great Britain, and a little rain in the north of Ireland.

SEA

Moderate on several of the more exposed parts of our north and east coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general conditions are still rather unsettled. The anticyclone over our Islands appears to be moving eastwards, and the fall of the barometer in the west may possibly indicate the advance of a depression towards our southwest coasts.

FORECASTS

For the 24 hours ending at NOON on 19th JANY 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW.ly to W.ly winds, light; fair generally, but snow showers in places.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NW.ly to Variable airs; fair generally, but local fogs, sharp frost tonight.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST.	Variable airs, finally SE.ly; fair generally, but local fogs
7	ENGLAND N.W.	
8	ENGLAND S.W.	E.ly to SE.ly winds, moderate; fair at first, doubtful later, possibly some rain.
9	IRELAND NORTH	Same as Nos 6 and 7.
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 ...	30 24	36	32	E	2	0	2
Sumburgh Head							
Stornoway	30·07	39	36	NNW	3	0	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·08	36	35	S	4	c	2
Belmullet	30·12	38	37	S	1	bc	*
Holyhead							
Valencia							
Scilly							
Jersey	30·06	39	36	NW	3	0	3
Hurst Castle ...							
Dungeness ...	29·93	35	34	NE	4	0	3
North Foreland	29·95	36	35	NW	5	0	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·02	40	38	NE	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 10TH TO THE 16TH JANY. 1897.

The mild weather hitherto noticed over our Islands and their neighbourhood was succeeded last week by a gradual fall of temperature and by the close of the week the conditions had become essentially wintry, with falls of snow in many parts of England.

The opening of the period witnessed a rapid dispersal of the low pressure system in the southwest, so that the long continued gale which prevailed in the north at the close of the previous week quickly died down. On the 12th a new depression which appeared off our southwest coasts seemed likely to cause a renewal of bad weather in our Islands. The disturbance, however, soon moved away in a southeasterly and southerly direction to France and Spain where it occasioned heavy falls of rain, and the weather over the United Kingdom came under the influence of a large anticyclone which spread in from the westward, the winds being NW. on our extreme northern coasts, but N. or NE. elsewhere. Temperature now fell rather decidedly, and while fine weather prevailed in the west the conditions elsewhere were mostly cloudy with snow or sleet in many parts of Great Britain. Towards the close of the week the anticyclone moved northeastwards, the barometer fell generally, and low pressure systems spread towards our Islands from the southward, the result being seen in freshening NE. winds on the Channel coasts, with falls of snow or sleet in many parts of England on the 16th.

During the latter part of the week frost occurred nightly in many parts of the Kingdom, over England the thermometer did not fall many degrees below the freezing point, but at Parsonstown it sank early on the 16th to 21°, while at Nairn it fell in the ensuing night to 19°.

The rainfall of last week was heavy in many parts of Southern Europe, and especially so at Perpignan, where the total amount from 6pm on the 13th to 7am on the 17th amounted to no less than 7·96 inches.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 19th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·50	6	SW	0	b	30·38	−·20	18	16	+15	SSW	2	o	s	b	#	?	−2	0·04
	Hernösand ...	30·47	21	N	2	o	30·43	−·09	24	21	+1	SW	2	o	f	#	#	25	16	—
	Stockholm ...	30·42	27	E	3	o	30·45	·00	22	22	0	N	2	o	#	o	#	28	21	—
	Wisby	30·36	28	ESE	4	o	30·41	+·03	23	22	−5	ESE	4	o	#	o	#	28	23	—
	Karlstad ...	30·32	27	NE	2	o	30·42	+·09	26	25	−1	ENE	2	o	#	o,s	#	#	#	—
	Bodö	30·22	31	E	4	s	30·29	+·08	29	26	+2	ESE	4	o	1	s	#	32	23	—
	Christiansund ...	30·23	36	SW	0	o	30·35	+·23	35	33	+1	ESE	1	o	3	o	#	36	34	0·04
	Skudesnaes ...																#			#
	Færder (Christiania Fjord)	30·27	30	NE	2	s	30·47	+·23	29	28	−1	ENE	2	o	2	s	#	30	28	0·28
	Skagen (The Scaw)	30·25	31	SE	3	o	30·36	+·20	29	28	−3	E	1	o	0	o	#	32	28	0·35
	Fanö	30·08	35	ESE	4	r	30·18	+·22	32	32	−1	ESE	2	o	#	r	#	35	32	—
British Isles.	Sumburgh Head	30·15	36	N	2	o	30·34	+·31	37	36	+2	NNE	1	o	4	bp,o	#	39	34	0·05
	Stornoway ...	30·15	34	SW	0	c	30·34	+·45	35	35	0	ENE	3	bcph	3	o,c	0·0	36	29	0·02
	Wick	30·10	35	NW	1	b	30·31	+·29	37	36	+3	NE	3	o	3	b	#	40	?	0·05
	Nairn	30·16	27	SW	0	c	30·30	+·21	34	34	0	SW	0	c	1	c,s	#	38	20	0·22
	Aberdeen ...	30·13	35	NW	3	cq	30·28	+·21	36	35	+5	ENE	4	ogqprsh	4	bc,c	3·3	37	30	0·06
	Leith	30·12	36	W	1	m	30·21	+·14	38	36	+6	N	3	ow	#	c	#	38	30	—
	Shields	30·08	36	WNW	2	o	30·14	+·09	40	39	+9	NE	2	cp	3	bcm,o	#	40	28	0·05
	Spurn Head ...	30·04	36	NW	4	bcm	30·07	+·05	39	38	+7	NE	2	ov	3	bm	#	39	32	0·01
	York	30·08	33	NNW	1	b	30·13	+·05	33	33	+5	NNW	1	b	#	b	6·0	38	27	—
	Loughborough ...	30·09	33	W	1	ow	30·11	+·02	33	32	+7	NW	1	o	#	cm,ow	#	36	25	—
	Ardrossan ...	30·11	32	NE	1	bf	30·24	+·11	34	33	+8	NNW	2	bm	1	bf	#	35	25	—
	Malin Head ...	30·08	34	SE	2	bcm	30·25	+·16	39	37	+7	NE	4	b	2	bcm	#	39	31	—
	Belmullet ...	30·03	35	SE	3	b	30·21	+·13	35	34	+2	E	1	o	#	b	#	38	27	—
	Donaghadee ...	30·12	37	ESE	3	b	30·22	+·11	40	37	+12	NE	5	bc	3	b	#	40	27	—
	Liverpool (Bidston)	30·11	35	N	1	o	30·16	+·05	38	31	+1	NNE	1	o	?	ow	#	37	31	—
	Holyhead ...	30·09	33	SW	0	b	30·15	+·03	38	35	+4	NE	2	bc	1	owsp,b	#	38	31	—
	Parsonstown ...	30·05	26	SW	0	f	30·18	+·07	33	32	+4	SW	0	o	#	of	0·0	33	23	—
	Valencia ...	29·90	42	E	4	cq	30·08	+·01	40	36	+4	ENE	4	og	4	bc,cq	3·4	42	34	—
	Roche's Point ..	30·00	42	ESE	5	o	30·12	+·01	38	36	+9	ESE	5	bc	4	o	#	44	29	—
	Pembroke (St. Ann's Hd.)	30·06	35	E	2	b	30·11	−·01	33	32	−4	E	3	og	2	b	1·4	37	33	—
	Scilly	29·95	45	SE	4	o	30·00	−·06	42	39	+2	ESE	3	o	3	c,o	0·0	46	38	—
	Prawle Point ...	30·07	37	ENE	3	c	30·07	−·07	30	29	+1	NNE	3	bc	2	c	#	37	28	—
	Jersey (St. Anbin's)	30·07	37	SE	1	bcw	30·03	−·11	39	36	+8	NE	2	ow	2	bcmw	#	40	30	—
	Hurst Castle ...	30·08	29	NE	1	bw	30·08	−·05	33	32	+8	NNE	1	ow	0	bw	#	37	24	—
	Dungeness ...	30·04	29	NW	1	b	30·02	−·05	32	32	+8	NNE	3	m	2	b,f	#	37	23	—
	North Foreland	30·09	34	NW	3	c	30·05	−·03	35	34	+5	NW	3	o	2	c	#	36	30	—
	London (Brixton) ...	30·06	35	W	1	m	30·08	−·03	32	31	+8	SW	0	ogf	#	gm	0·0	36	24	—
	Oxford	30·10	31	NW	1	o	30·11	−·02	32	32	+9	NNW	1	sp	#	b,o	#	35	23	—
	Cambridge ...	30·09	32	NW	1	o	30·09	·00	31	31	+9	NW	1	o	#	os	0·0	34	20	0·01
	Yarmouth ...	30·01	34	WNW	3	c	30·02	+·01	35	34	+8	NW	2	cf	3	bcf,c	#	35	26	0·01
Germany & Holland.	Cuxhaven ...	30·02	32	SW	0	m	30·11	+·17	31	31	−2	E	1	f	#	m,hs	#	34	30	—
	Berlin	30·07	32	SE	2	o	30·13	+·09	29	28	−4	SE	3	o	#	o	#	34	28	—
	Wiesbaden ...	#	#	#	#	#	30·00	−·04	33	32	0	N	1	o	#	#	#	36	32	—
	Munich	29·98	30	SE	2	o	29·95	−·03	29	29	−1	E	1	o	#	o	#	30	28	—
	The Helder ...	29·99	37	W	1	o	30·05	+·09	33	33	−4	E	1	m	1	o	#	37	33	—
Belgium.	Brussels ...	#	#	#	#	#	30·04	−·02	34	34	+1	NE	1	f	#	r	#	41	32	0·04
	Cape Gris Nez ...	30·02	36	NE	1	m	30·00	−·04	37	37	+4	E	3	o	3	m	#	39	30	—
	Paris	30·07	35	NNW	5	o	30·01	−·09	33	32	−1	NNW	1	s	#	o	#	37	32	—
	Brest	30·00	41	SE	3	c	30·04	−·05	35	32	−5	ESE	3	b	2	c	#	43	30	—
	Lorient	30·05	39	SE	3	c	29·99	?	34	31	−4	E	4	o	2	c	#	45	27	—
France &	Rochefort ...	30·03	37	ENE	3	o	29·93	−·16	36	34	+1	ENE	4	o	#	o	#	45	32	—
	Belfort	30·04	30	SW	0	f	29·94	−·08	29	29	+1	E	2	f	#	f	#	31	28	—
	Lyons	30·03	32	N	2	f	29·96	−·06	32	31	+3	NNW	1	o	#	f	#	35	29	0·08
	Nice	29·82	44	E	1	r	29·80	−·01	41	38	−3	E	1	c	3	r	#	54	39	0·83
	Perpignan ...	29·98	37	NW	3	b	29·89	−·09	33	30	−5	W	2	b	#	b	#	45	31	—
	Biarritz ...	29·97	38	E	3	o	? 29·86	−·18	32	29	−5	NE	2	b	2	o	#	43	30	—
Peninsula.	Corunna ...																#			
	Lisbon	29·91	48	NW	2	c	29·64	−·41	43	43	−1	ESE	5	o	#	c	#	52	43	0·08
	Azores (P. Delgada)	30·10	56	NNW	4	c	30·02	−·26	51	46	−8	N	5	bc	3	c	#	63	48	—

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; Brighton 6·7 *hrs; Hastings* 6·1 *hrs;* Eastbourne 6·2 hrs

WEATHER CHARTS

FOR Friesday, 19th January, 1897.

BAROMETER, WIND AND SEA.

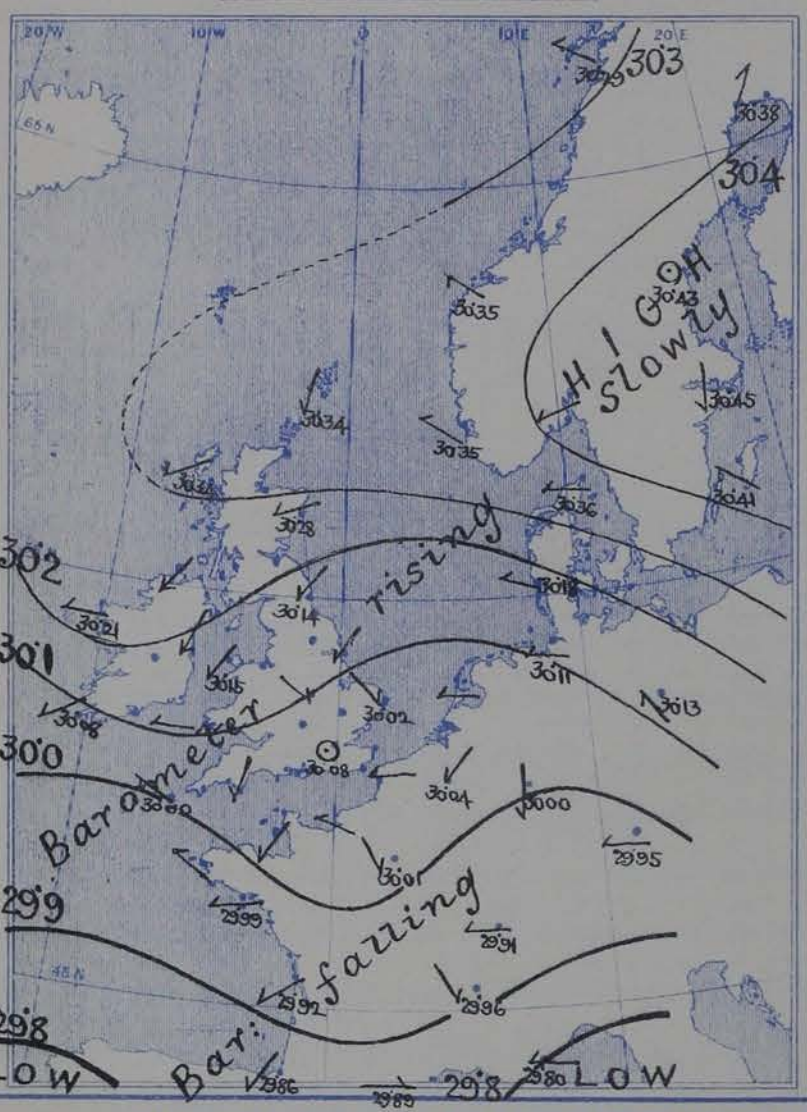
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—Rough ; *High*

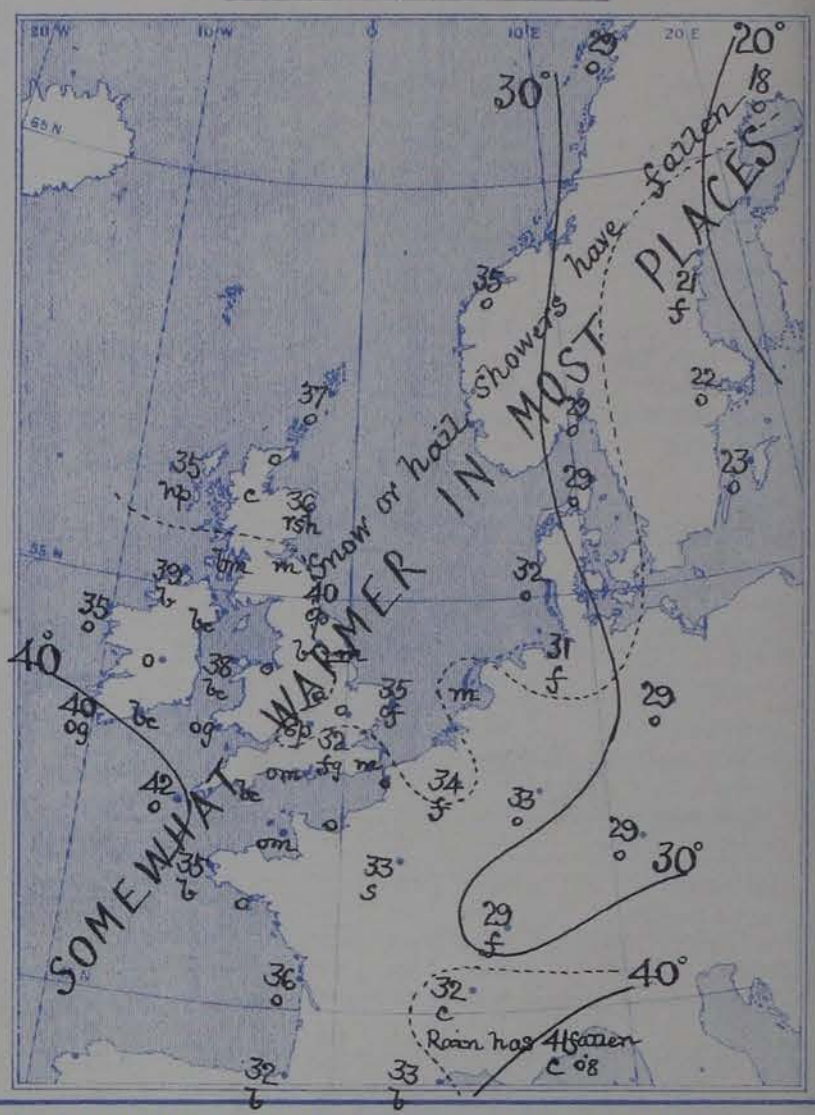


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 30.2 ins. over the Baltic, Scandinavia and the N^rn. parts of our Islands.
Lowest 29.64 ins. at Lisbon, and below 29.9 ins. over the whole of SW^rn. and S^th. Europe.
Gradients slight and mainly favourable for E^ly. to NE^ly. winds.
Barometer falling a little over Spain and France, rising elsewhere, most in the south of Ireland.

TEMPERATURE

Highest (1) 43° at Lisbon, 41° at Nice; (2) 40° at Valencia (Ireland) and Shields, 39° at Spurn Hd.; 38° at Holyhead.
Lowest 18° to 26° at the Swedish stations, 29° at the Skaw, as well as at Berlin, Munich and Belfort.
It had risen in all parts of Ireland and England during the day.

WIND

E^ly. to N^ly. in direction, and moderate to light in force, in most places, but very light from the NW^rd. over the eastern half of England and at Paris.

WEATHER

Fine and bright on our northwestern coasts, cloudy or overcast elsewhere, with fog at Brussels and in London, snow at Paris, Oxford and Aberdeen, rain at Shields.
Some cold showers had fallen over our N^rn. districts generally, a considerable fall of rain had occurred at Nice. The amounts of Bright Sunshine recorded yesterday were – at Valencia 3.4 hrs., at York 6 hrs. and at our S^th. coast stations from 6 to 7 hrs., but at Stornoway, Parsonstown, Scilly, London and Cambridge none.

SEA

moderate in the north, very slightly disturbed elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change of wind is likely at present; temperature is likely to decrease and fog to become more prevalent.

FORECASTS

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

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^ly. winds, moderate, passing cold showers.	6	SCOTLAND WEST	NE^ly. and E^ly. winds, moderate; colder, fair as a whole.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.	NE^ly. breezes, light, becoming colder again; slight snow showers; gloomy, hazy.	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 ...	30·11	32	32	ENE	6	a	3
Sumburgh Head	30·08	38	35	N	1	bc	4
Stornoway	30·13	36	35	L	0	0	0
Aberdeen	30·09	36	35	NW	3	bc	4
Shields	30·07	36	34	WNW	2	bm	3
Ardrossan	30·09	35	35	L	0	bf	0
Malin Head ...	30·07	39	36	S	2	b	0
Belmullet	30·05	38	37	SE	3	b	*
Holyhead	30·10	36	34	S	1	omsp	0
Valencia	29·94	62	37	E	4	bc	4
Scilly	30·00	46	43	ESE	4	c	3
Jersey	30·10	40	37	E	2	cm	2
Hurst Castle ...	30·11	35	34	L	0	bm	0
Dungeness ...	30·05	36	34	NW	1	b	1
North Foreland	30·08	35	33	NW	3	b	2
London (Westminster)	30·08	35	32	W	1	m	*
Yarmouth ...	30·01	35	33	WNW	3	bcf	4
Rochefort ...	30·06	43	40	NE	3	b	*

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

Weather in morning fine and bright over Ireland and England, as well as on the Atlantic coasts of France and over the Peninsula; cloudy or overcast elsewhere, with fog in a great many places, snow in some parts of Scotland and Nw. Europe, rain at Vienna. Cold showers falling later over all the Nn. parts of our Islands and Norway; large quantity of rain at Nice.

Temperature risen at the Scotch stations, fallen decidedly over England and the S. of Ireland. Morning readings highest 56° to 44° at the Mediterranean stations, 44° at Lisbon, 40° at Scilly. Lowest −5 F. at Hango, +3° at Haparanda, 10° at Kuopio, 13° at Moscow, and much below the freezing point at all the Swedish stations; 22° to 28° over the central parts of England, 29° at Parsonstown and at Lyons. Rising rather decidedly over Ireland and England later, and the air becoming damper.

Wind (1) moderate from the E^wd. and SE^wd. over the Baltic and the E^rn. shores of the North Sea;
(2) very light and anticyclonic over the most N^rn. countries of Europe and also over the British Islands;
(3) light but cyclonic over the Mediterranean; becoming E. to SE. on our western coasts later; no great change elsewhere.

Barometer highest 30.6 ins. and more to 30.1 ins. in an anticyclone lying over N. Europe, and exceeding 30.1 ins. in another covering a large part of the British Islands and France; exceeding 30.2 ins. over the Azores also. Lowest 29.8 ins. and less over Italy, the Adriatic and Greece. Gradients moderate over Scandinavia, slight and irregular elsewhere. A depression appearing off our SW. coasts later, but N^rn. anticyclone increasing in intensity and spreading towards Gt. Britain

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		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 ...	30·17	11	NW	0	b	29·90	-·48	-5	-5	-23	NW	0	b	*	b	*	19	?	0·04
	Hernösand ...	30·27	19	NW	0	c	30·09	-·34	27	25	+6	NW	4	bc	*	c	*	27	18	-
	Stockholm ...	30·36	20	NW	0	0	30·14	-·31	22	22	0	WSW	2	S	*	0	*	27	19	0·12
	Wisby	30·38	20	ESE	4	0	30·18	-·23	26	24	+3	NW	4	0	*	0	*	?	16	-
	Karlstad ...	30·37	24	NE	2	0	30·23	-·19	23	22	-3	N	4	b	*	0,S	*	*	*	-
	Bodö	30·20	36	WSW	6	0	30·10	-·19	27	24	-2	NW	6	c	3	0	*	36	25	?
	Christiansund ...	30·43	36	SE	3	0	30·36	+·01	35	33	0	WSW	3	S	4	0	*	36	34	0·20
	Skudesnaes ...	30·39	28	N	2	b	30·39		23	22		NW	0	b	1	b	*	33	21	*
	Færder (Christiania Fjord)	30·39	28	NNW	1	0	30·31	-·16	27	25	-2	NNW	2	b	1	0	*	34	24	-
	Skagen (The Scaw)	30·40	27	E	1	0	30·30	-·06	29	28	0	NNE	1	0	0	0	*	29	25	0·04
	Fanö	30·31	31	ESE	2	0	30·29	+·11	29	28	-3	W	0	0	*	0	*	32	28	-
British Isles.	Sumburgh Head	30·43	36	NNE	2	c	30·50	+·16	35	32	-2	N	1	0	3	c	*	38	31	0·01
	Stornoway ...	30·44	39	ENE	3	c	30·51	+·17	38	37	+3	E	3	0	3	0,c	1·5	40	32	0·04
	Wick	30·45	37	NE	4	c	30·47	+·16	37	36	0	N	3	0	3	c	*	40	35	0·05
	Nairn	30·41	38	E	1	0	30·47	+·17	38	37	+4	W	0	c	1	0rs	*	38	31	0·25
	Aberdeen ...	30·39	39	ENE	5	ogqp	30·46	+·18	35	34	-1	N	2	c	4	ogqpk	0·0	39	34	0·17
	Leith	30·28	40	E	2	0	30·38	+·17	38	37	0	NE	3	r	*	0rs	*	40	36	0·06
	Shields	30·21	41	NE	3	0	30·33	+·19	39	38	-1	NE	4	0	4	hrp,0	*	42	37	0·13
	Spurn Head ...	30·13	40	E	4	op	30·23	+·16	37	36	-2	ENE	5	0	5	op	*	40	36	0·05
	York	30·15	38	NNW	1	0	30·28	+·15	34	32	+1	ENE	2	bc	*	0	0·0	39	32	0·07
	Loughborough ...	30·11	36	NE	2	0	30·21	+·10	34	33	+1	ENE	4	ogm	*	s,omdp	*	37	33	0·02
	Ardrossan ...	30·28	38	NNE	3	cm	30·37	+·13	38	37	+4	NNE	4	bm	2	bcm,cm	*	40	32	-
	Malin Head ...	30·28	40	E	5	cq	30·35	+·10	41	40	+2	E	5	oq	3	bc,cq	*	41	39	-
	Belmullet ...	30·30	38	ENE	3	b	30·29	+·08	40	39	+5	ENE	4	0	*	bc,b	*	40	32	-
	Donaghadee ...	30·25	41	NNE	6	b	30·32	+·10	42	40	+2	ENE	6	c	5	b	*	42	37	-
	Liverpool (Bidston)	30·16	37	WSW	3	0	30·23	+·07	36	34	+3	ENE	3	0	?	0	*	38	32	-
	Holyhead ...	30·16	41	NE	4	om	30·21	+·06	38	36	0	ENE	5	bc	4	c,om	*	41	35	-
	Parsonstown ...	30·21	36	ESE	1	c	30·20	+·02	37	36	+4	N	1	c	*	c,sh	1·7	38	32	0·02
	Valencia ...	30·19	37	NE	4	cm	30·12	+·04	40	37	0	ENE	5	ogq	4	bm,cm	2·9	42	35	-
	Roche's Point ..	30·16	37	NE	4	c	30·10	-·02	40	40	+2	ENE	4	os	4	c	*	44	35	-
	Pembroke (St. Ann's Hd.)	30·09	38	ENE	3	c	30·10	-·01	38	36	+5	E	4	oq	2	0,c	0·3	39	33	-
	Scilly	29·99	41	ENE	4	c	29·91	-·09	41	38	-1	ENE	5	om	3	c,cm	5·1	43	37	-
	Prawle Point ...	30·02	35	NNE	2	0	29·97	-·10	38	37	+8	ENE	7	cq	6	cq,o	*	38	29	-
	Jersey (St. Aubin's)	29·98	38	NNE	3	ogmrs	29·98	-·08	40	38	+1	ENE	5	oq	4	o,mst	*	40	34	0·03
	Hurst Castle ...	30·02	36	NNE	2	om	30·04	-·04	38	37	+5	NE	3	om	2	om	*	38	32	0·01
	Dungeness ...	29·98	37	NE	3	op	30·04	+·02	36	35	+4	ENE	4	c	3	o,op	*	37	32	0·01
	North Foreland	30·04	39	E	4	0	30·12	+·07	34	33	-1	NE	5	ogm	4	0	*	41	33	0·01
	London (Brixton) ...	30·05	37	NE	2	ods	30·12	+·04	34	33	+2	E	5	oq	*	ogods	0·0	39	32	-
	Oxford	30·08	35	NE	3	0	30·16	+·05	33	32	+1	NE	4	0	*	rsd	*	36	32	0·02
	Cambridge ...	30·09	35	N	1	d	30·19	+·10	33	32	+2	E	3	0	*	om,d	0·1	37	29	-
	Yarmouth ...	30·07	38	ENE	4	c	30·16	+·14	33	32	-2	ENE	6	oqg	5	cq,c	*	39	30	-
Germany & Holland.	Cuxhaven ...	30·24	28	SE	3	0	30·24	+·13	26	26	-5	SE	2	0	*	om	*	32	25	-
	Berlin	30·24	26	SE	4	0	30·27	+·14	22	21	-7	E	2	0	*	0	*	32	21	-
	Wiesbaden ...	*	*	*	*	*	30·11	+·11	31	29	-2	N	2	0	*	*	*	37	30	-
	Munich... ..	29·95	31	E	5	0	30·03	+·08	28	28	-1	E	5	0	*	0	*	32	28	0·04
	The Helder ...	30·14	31	ENE	4	0	30·21	+·16	27	26	-6	ENE	5	0	3	0	*	33	27	-
Belgium.	Brussels ...	*	*	*	*	*	30·12	+·08	30	29	-4	ENE	2	0	*	0	*	?	30	-
	Cape Gris Nez...	29·97	37	E	2	0	30·02	+·02	32	31	-5	E	4	m	3	0	*	41	30	-
	Paris	29·99	36	NE	2	0	29·98	-·03	34	33	+1	NE	2	0	*	0	*	37	32	-
	Brest	29·95	35	NE	2	0	29·88	-·16	38	36	+3	E	2	0	2	0	*	41	30	-
	Lorient... ...	29·91	39	ENE	5	0	29·83	-·16	37	35	+3	ENE	5	0	2	0	*	39	30	-
France &	Rochefort ...	29·85	38	ENE	5	0	29·79	-·14	34	34	-2	E	4	bc	*	0	*	41	32	-
	Belfort	29·92	31	E	2	m	29·97	+·03	31	31	+2	E	4	m	*	m	*	31	29	-
	Lyons	29·95	33	NW	1	0	29·85	-·01	30	29	-2	ENE	1	0	*	0	*	37	30	-
	Nice	29·82	43	W	0	c	29·95	+·15	41	40	0	W	0	r	2	c	*	48	41	0·55
	Perpignan ...	29·86	41	E	1	0	29·78	-·11	33	33	0	SW	2	b	*	0	*	44	30	-
	Biarritz ...	29·74	39	E	3	b	29·72	-·14	33	30	+1	SE	4	0	2	b	*	41	32	-
Peninsula.	Corunna ...																*			
	Lisbon	29·45	50	S	5	r	29·61	-·03	48	47	+5	SSE	2	bc	*	r	*	54	43	0·51
	Azores (P. Delgada)	29·68	54	NW	5	c	29·60	-·12	54	52	+3	N	5	c	3	c	*	59	48	0·43

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 2.9 hrs; Brighton 0.5 hrs; Hastings 0.1 hrs; Eastbourne 0.3 hr.

WEATHER CHARTS

FOR Wednesday, 20th January, 1897.

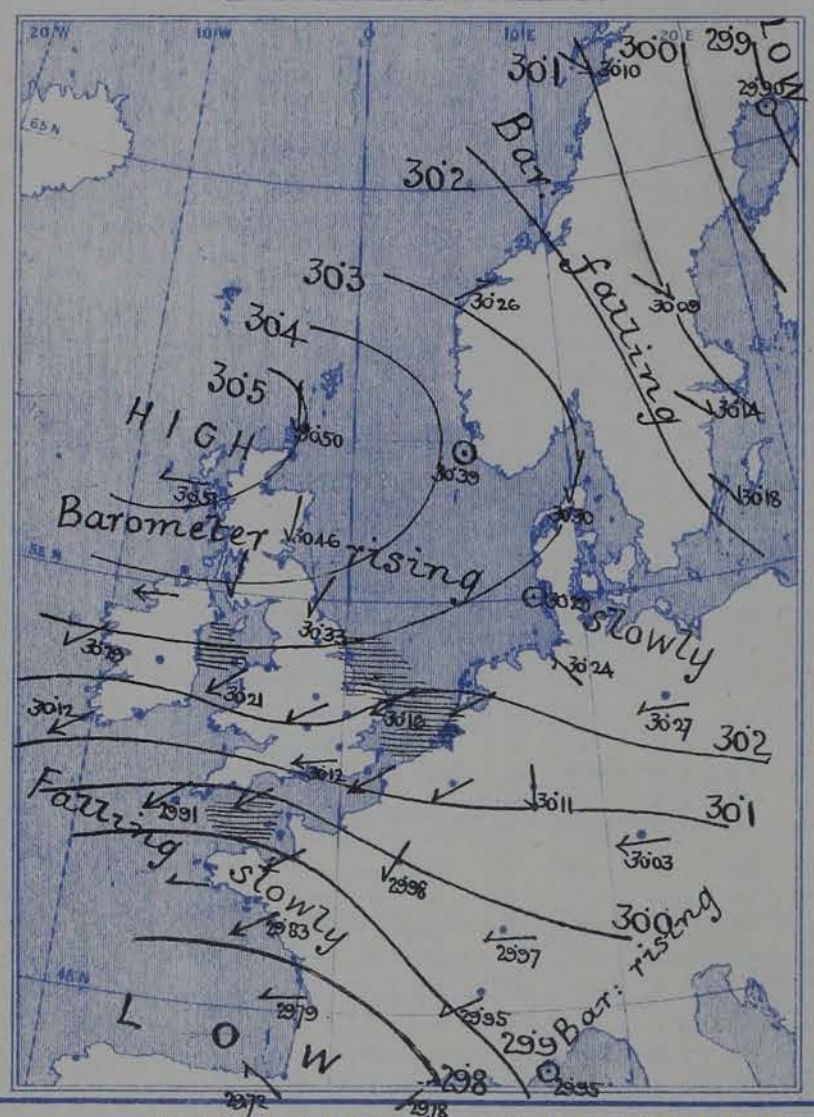
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; High ▤

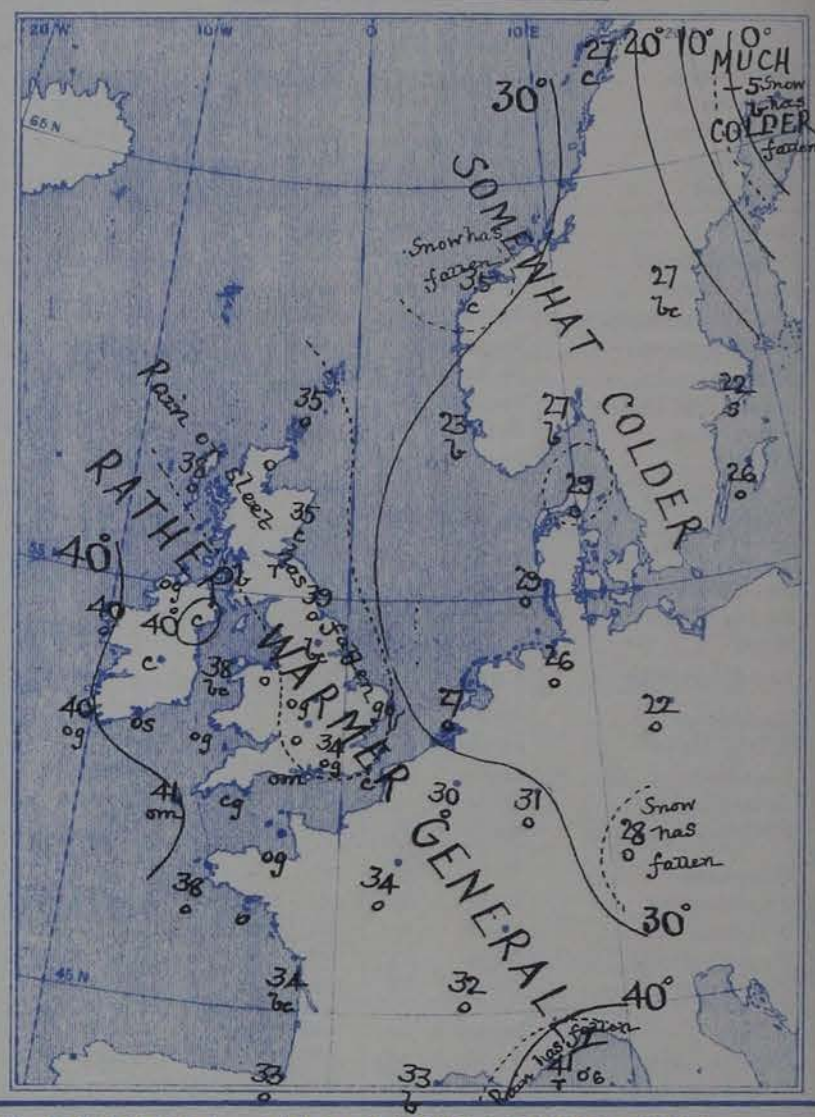


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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, in the Shetlands and Hebrides; 30·3 in: and upwards in an anticyclone covering the northern parts of our Islands, the North Sea, and the south of Norway.

Lowest, 29·7 in: and less, in a large depression lying over the Spanish Peninsula; 29·9 in: and less, in another Disturbance over Lapland.

Gradients slight generally.

Barometer rising in all the more northern parts of our Islands, and also in Germany and the Netherlands, but falling elsewhere, briskly in Sweden.

TEMPERATURE

Highest, (1) 48° at Lisbon, and 41° at Nice; (2) 42° at Donaghadee, 41° at Malin Hd and Scilly, and 40° at Belmullet, Valencia (Ireland) Rochefort and Jersey.

Lowest, −5° F. at Haparanda, +22° at Stockholm and Berlin, 23° at Karlstad, and 26° at Wisby and Cuxhaven.

The maxima registered yesterday were below 40° in most parts of Great Britain and also over Central Ireland; at Oxford the thermometer did not exceed 36°.

WIND

E$^{\frac{1}{2}}$ or NE$^{\frac{1}{2}}$ over Ireland, England, the Netherlands, Germany, and the greater part of France, and strong in force on the more exposed parts of our south and east coasts. Rather variable in the extreme south of France.

Light from the N$^{\text{W}}$ in the northeast of Scotland; NW$^{\frac{1}{2}}$ in Scandinavia, and strong in force at Bodö.

WEATHER

Cloudy or dull over Western Europe, as a whole, with rain at Leith and also at Nice; snow is falling at Rochefort, as well as at Stockholm and Christiansund.

Fine at some of our own northeastern stations, and also over the south of Norway and the northern parts of Sweden.

Sleet or cold rain has fallen in many parts of Great Britain, as well as at Valentia.

SEA

Rough at Prawle Point and rather rough off the east of England, as well as at Donaghadee, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the north appears to be spreading southwards, and the gradient over our southern coasts are likely to increase somewhat. Cold weather will probably continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 21st JAN: 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N$^{\text{W}}$ to NW$^{\frac{1}{2}}$ winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE$^{\frac{1}{2}}$ winds, moderate; dull, slight rain locally.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 2.
5	ENGLAND SOUTH	E$^{\frac{1}{2}}$ and NE$^{\frac{1}{2}}$ winds, strong on coast; cold, dull, slight rain locally.
6	SCOTLAND WEST	NE$^{\frac{1}{2}}$ winds, moderate; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·41	33	32	NNE	1	bc	1
Sumburgh Head	30·42	37	34	NNE	2	c	4
Stornoway	30·42	39	36	ENE	3	o	3
Aberdeen	30·34	38	37	ENE	6	oggph	6
Shields	30·18	42	41	NNE	3	o	3
Ardrossan	30·24	39	39	NNE	4	bc	2
Malin Head ...	30·27	40	39	ENE	5	bc	3
Belmullet	30·34	39	38	E	3	bc	*
Holyhead	30·17	41	38	NE	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·14	41	36	ENE	3	bm	4
Scilly	30·02	41	38	NE	4	c	3
Jersey	30·00	39	36	ENE	2	o	2
Hurst Castle ...	30·04	37	35	NNE	2	om	1
Dungeness ...	29·99	37	36	NE	3	o	2
North Foreland	30·02	40	39	N	3	o	2
London (Westminster)	30·05	39	36	NNE	1	o gm	*
Yarmouth ...	30·03	38	37	E	4	cq	3
Rochefort ...	29·88	40	38	ENE	4	o	*

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

Weather in morning fine on our northwest coast, but cloudy or dull in all other parts of the Kingdom, with showers of snow or sleet in a few places. Dull at most of the Continental stations, with rain in several parts of Austria, northern Italy, and the south of France and with snow at several of the Russian stations, as well as Paris and Prague. Rain or sleet falling late in most parts of Great Britain and also over Central Ireland.

Temperature risen in our Islands, Scandinavia, and Iceland, fallen elsewhere. Morning readings highest 54° at Malta, 51° at San Fernando, and 50° at Cagliari and Algiers. Lowest −15° F. at Archangel, −4° at Charkov, +3° at Kiew, and 7° at Moscow; below the freezing point over northern, eastern, and central Europe generally, as well as in some parts of England and in Central Spain. Daily maxima below 40° in many parts of our Islands and France, but thermometer reaching 48° at Nice and 54° at Lisbon.

Wind light to moderate from the E^ly or NE^ly over the greater part of Europe, but NW^ly over the eastern and central parts of England, and SE^ly or S^ly over the extreme northern parts of Russia and Scandinavia. Variable over Italy and the Mediterranean. No important change occurring over Western Europe during day.

Barometer highest 30·66 in: at Archangel, 30·1 in: and upwards, in an anticyclone embracing all the more northern parts of Europe. Lowest, 29·7 in: and less, in a depression lying off the Portuguese coast; 29·8 in: and less, in two other systems, one lying off the south of France, and the other over the northern parts of the Adriatic, and over Croatia. Depression off Portuguese coast subsequently spreading northeastward, and barometer falling over France and our southern 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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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 21st January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.76	8	W	2	b	29.60	-.30	-3	-4	+2	NNE	2	b	*	b	*	10	-18	-
	Hernösand ...	29.95	23	NW	6	b	29.67	-.42	8	7	-19	X	0	b	*	b	*	32	8	-
	Stockholm ...	29.95	23	NNW	2	0	29.75	-.39	15	15	-7	NW	2	b	*	0	*	27	15	0.04
	Wisby	29.95	31	NNW	8	S	29.75	-.43	26	24	0	NNW	8	s	*	s	*	31	16	0.04
	Karlstad ...	30.11	21	NNW	2	b	29.83	-.40	21	20	-2	N	2	0	*	b	*	*	*	-
	Bodö	29.91	24	NW	4	c	29.74	-.36	20	18	-7	E	2	b	1	c	*	27	18	-
	Christiansund ...	30.26	34	N	1	0	29.80	-.56	34	32	-1	NW	4	0	4		*	36	28	0.28
	Skudesnaes ...	30.25	28	N	2	b	29.88	-.51	32	31	+9	NNW	2	0	2	b	*	32	19	*
	Færder (Christiania Fjord)	30.18	27	NNW	1	b	29.88	-.43	26	25	-1	N	1	0	1	b	*	28	23	-
	Skagen (The Scaw)	30.19	31	NNE	1	b	29.86	-.44	29	28	0	SSE	1	0	0	b	*	30	27	-
	Fanö	30.19	30	ENE	1	0	29.83	-.41	32	31	+3	W	4	c	*	0	*	32	28	-
	Sumburgh Head	30.40	38	NW	1	c	29.93	-.57	38	38	+3	N	2	r	3	c	*	40	34	0.03
	Stornoway ...	30.47	36	NNE	2	0	30.11	-.40	42	41	+4	NNW	3	r	3	c, c	1.1	42	32	0.08
	Wick	30.41	35	N	3	c	30.02	-.45	39	38	+2	NW	3	0	3	c	*	39	30	0.05
	Nairn	30.44	35	W	0	0	30.08	-.39	36	35	-2	W	2	c	2	0	*	39	27	-
	Aberdeen ...	30.42	36	N	3	0q	30.03	-.43	37	35	+2	NSW	3	0q	3	0q, sp	0.1	37	33	0.01
	Leith	30.36	38	NE	4	0	30.12	-.26	31	30	-1	W	3	c	*	0	*	39	30	0.02
	Shields	30.29	38	NE	4	0	30.10	-.23	35	35	-4	NW	3	c	4	rkp.rs	*	41	33	0.08
	Spurn Head ...	30.18	36	NE	4	0p	30.04	-.19	37	35	0	E	2	c	3	0p	*	38	35	0.03
	York	30.22	36	ENE	2	c	30.09	-.19	33	33	-1	N	1	c	*	0, c	0.0	39	28	0.02
	Loughborough ...	30.19	34	ENE	2	0	30.08	-.13	34	33	0	NE	2	0m	*	gm, 0sp	*	35	33	0.01
BRITISH ISLANDS.	Ardrossan ...	30.36	37	NNE	2	0m	30.15	-.22	31	31	-1	N	1	bf	1	0m	*	40	30	-
	Malin Head ...	30.34	40	E	6	0	30.19	-.16	38	37	-3	NNE	2	0q	1	c, 0	*	41	36	-
	Belmullet ...	30.30	40	ENE	6	0	30.26	-.03	36	34	-4	E	2	0	*	bc, 0	*	42	33	-
	Donaghadee ...	30.34	40	NE	6	c	30.18	-.14	37	35	-5	NNE	5	b	3	c	*	42	35	-
	Liverpool (Bidston)	30.22	37	ENE	2	0	30.10	-.13	32	31	-4	N	1	b	1	0q	*	38	32	-
	Holyhead ...	30.22	39	ENE	4	0gm	30.12	-.09	38	35	0	ENE	3	c	2	cm, 0gm	*	39	35	-
	Parsonstown ...	30.21	38	W	0	0	30.15	-.05	35	33	-2	N	1	0	2	c, 0	1.1	39	34	-
	Valencia ...	30.13	39	NE	4	0q	30.13	+.01	37	35	-3	NE	4	0	4	0, 0q	0.3	41	36	-
	Roche's Point ...	30.11	39	E	5	0q	30.09	-.01	38	36	-2	ENE	4	0	4	r.0	*	41	37	-
	Pembroke (St. Ann's Hd.)	30.09	37	E	5	0	30.04	-.06	36	34	-2	E	5	0	4	c, 0	2.2	38	34	-
	Scilly	29.93	38	ENE	7	0	29.91	-.05	38	33	-3	ENE	5	cm	4	or.0	0.0	43	32	0.01
	Prawle Point ...	29.99	33	ENE	8	0	29.90	-.07	31	31	-7	ENE	8	0q	6	0, 0q	*	39	29	-
	Jersey (St. Aubin's)	29.92	39	ENE	5	0gm	29.83	-.12	38	37	-2	NE	7	0q	5	0gm	*	40	36	0.01
	Hurst Castle ...	30.04	34	NE	5	0m	29.95	-.09	33	32	-5	NE	5	0	3	0m	*	38	32	-
	Dungeness ...	30.00	34	ENE	5	0	29.92	-.12	30	30	-6	NE	6	0	5	c, 0	*	37	29	-
	North Foreland	30.11	32	E	5	0	29.99	-.13	31	30	-3	E	5	0	4	0	*	34	28	-
	London (Brixton) ...	30.12	31	ENE	3	0	30.02	-.10	31	30	-3	NE	4	0ps	*	0gm, 0ps	0.0	35	30	0.01
	Oxford	30.14	30	NE	4	0	30.04	-.12	32	30	-1	NE	2	0	*	0d, 0	*	33	30	-
	Cambridge ...	30.17	31	ENE	3	0	30.04	-.15	32	31	-1	NE	1	0	*	0d, 0	0.0	34	29	-
	Yarmouth ...	30.14	32	ENE	6	q, rsp	30.01	-.15	34	33	+1	ENE	4	bcv	4	q, rsp	*	34	29	-
GERMANY & HOLLAND.	Cuxhaven ...	30.20	27	S	1	0	29.97	-.27	28	28	+2	W	0	0	*	0	*	28	25	-
	Berlin	30.19	20	N	3	0	29.99	-.28	22	21	0	W	4	0	*	0	*	25	18	-
	Wiesbaden ...	*	*	*	*	*	29.93	-.18	26	24	-5	NE	3	0	*	*	*	34	25	-
	Munich	29.99	25	E	3	0	29.85	-.18	23	23	-5	E	3	0	*	0	*	30	21	-
	The Helder ...																*			
BELGIUM.	Brussels ...	*	*	*	*	*	29.99	-.13	24	23	-6	NE	4	0	*	0	*	32	23	-
	Cape Gris Nez ...	30.01	31	E	4	0	29.92	-.10	26	26	-6	E	4	0	4	0	*	36	25	-
	Paris	29.95	36	NE	2	bc	29.88	-.10	32	30	-2	NE	2	s	*	bc	*	41	32	-
	Brest ...	29.85	37	ENE	3	0	29.75	-.13	38	36	0	ENE	2	c	2	0	*	38	34	-
	Lorient	29.83	37	ENE	6	0	29.70	-.13	37	35	0	ENE	6	m	2	0	*	37	30	-
FRANCE &	Rochefort ...	29.75	41	E	4	c	29.64	-.15	39	37	+5	ENE	4	c	*	bc, c	*	46	34	-
	Belfort	29.97	32	E	3	S	29.84	-.13	28	25	-3	E	2	bc	*	S	*	34	28	-
	Lyons	29.95	37	N	1	0	29.81	-.14	33	33	+3	NNW	1	0	*	0	*	41	30	-
	Nice	29.97	45	ENE	1	c	29.84	-.11	42	40	+1	E	1	0	2	c	*	45	39	0.12
	Perpignan ...	29.77	46	SE	2	b	29.65	-.13	34	34	+1	E	0	c	*	b	*	56	33	-
	Biarritz ...	29.69	50	SSE	3	0	29.50	-.22	40	36	+7	SE	3	0	2	c	*	54	33	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.49	48	NE	3	r	29.50	-.11	49	47	+1	NSW	4	b	*	r	*	55	48	1.10
	Azores (P. Delgada)	29.85	53	N	3	c	29.89	+.29	53	50	-1	ESE	4	bc	3	c	*	57	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 1.2 hrs; Brighton 0.0 hrs; Hastings 0.0 hrs; Eastbourne 0.0.

WEATHER CHARTS

FOR Thursday, 21st January, 1897.

BAROMETER, WIND AND SEA.

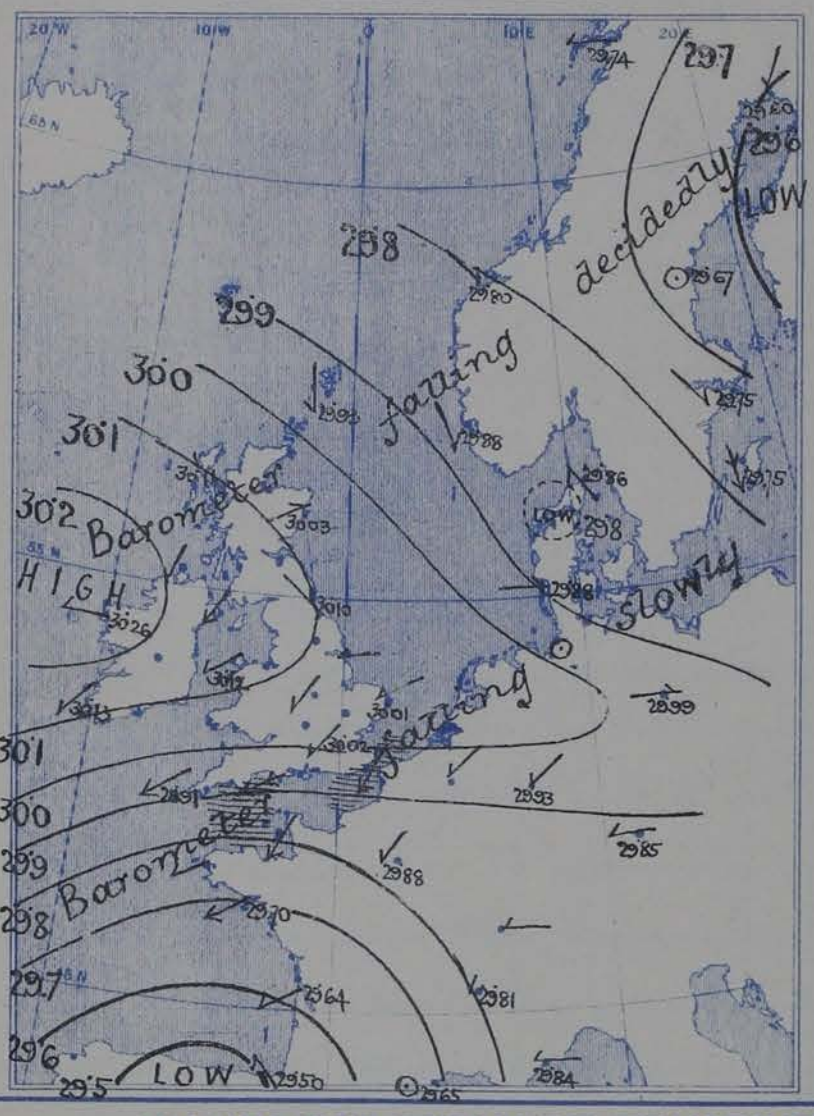
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▩

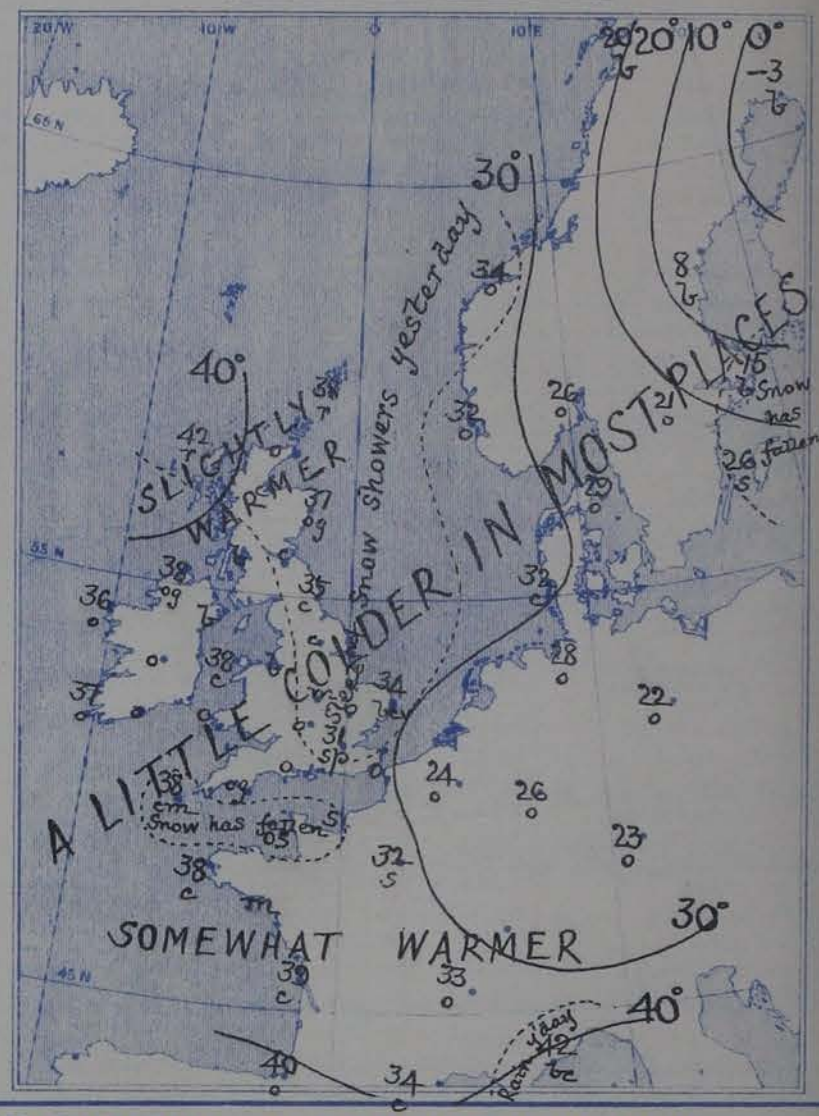


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29 744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	23
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and more to 30·0 ins: in the eastern part of an anticyclone spreading in from the Atlantic over the British Islands to Holland.
Lowest, (1) Below 29·5 ins: in a depression over Spain; (2) Below 29·6 ins: in another over Finland.
Gradients slight over our Islands and Scandinavia, moderate for E. winds over the Bay of Biscay and the west and south of France.
Barometer falling generally – most in the northern districts and least over Ireland and the southwest of England.

TEMPERATURE

Highest, 49° at Lisbon, 42° at Nice; 42° at Stornoway, 39° at Wick.
Lowest, (1) −3° F. at Hafaravandra, +8° at Haparanda, 15° at Stockholm; (2) 22° at Berlin, 23° at Munich, 24° at Brussels, 31° in London.
It did not rise above 35° at any of our southeastern stations yesterday, but fell to 29° at Yarmouth and Cambridge in the night, to 28° at the North Foreland and to 27° at Nairn; at Berlin it went down to 18°.

WIND

W. to NW. over the northern parts of our area, and of little strength; E. to NE. and strong over the southern districts, and blowing a gale at Prawle Point.
It blew strongly from the E. over England during the night.

WEATHER

Fine over the Irish Sea and in Sweden, cloudy or overcast elsewhere, with rain at some of our northern stations, sleet showers in the southeast.
The falls have been slight up to 8 am, but a large amount of rain is reported from Lisbon. Bright Sunshine registered yesterday was 4·2 hrs at Southport, 2·2 hrs at Pembroke, and 1·1 hrs: at Stornoway – but none at any of our southern and southeastern stations.

SEA

Rough in the south, slight to smooth in the north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the northwest seems to be disappearing slowly from our area, and an increase of temperature is probable in most places – but with changeable unsettled weather.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. (NW to SW) winds, moderate or fresh; less cold, rain at times.
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	NE. to N. winds, fresh; sleet and cold rain at times, temperature rising.
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE. winds, moderating; some cold showers.
9	IRELAND NORTH	NE. to NW. breezes, moderate; fair.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·34	29	27	N	1	b	1	Valencia	30·08	40	37	NE	7	0	6
Sumburgh Head	30·46	37	34	N	1	c	3	Scilly	29.90	44	38	ENE	7	or	4
Stornoway	30.51	38	37	E	3	c	3	Jersey	29.91	39	37	E	6	o	4
Aberdeen	30·44	37	34	N	3	o q	4	Hurst Castle ...	30·03	36	35	NE	6	om	4
Shields	30·31	39	37	NE	3	c	4	Dungeness ...	30.00	34	32	NE	5	c	4
Ardrossan	30·36	39	39	NNE	2	om	1	North Foreland	30·11	32	30	E	5	o	4
Malin Head ...	30·34	40	39	E	6	c	3	London (Westminster)	30·11	33	31	NE	4	oq	#
Belmullet	30·30	42	40	ENE	4	bc	#	Yarmouth ...	30·14	31	30	ENE	6	oq	5
Holyhead	30·22	39	37	ENE	4	cm	3	Rochefort ...	29.76	45	43	E	4	bc	#

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

Weather in morning fair and bright over Ireland and the north of Russia, as well as in several parts of southern Europe; cloudy or overcast elsewhere, with slight rain at both, and some snow over many parts of northern and central Europe and at Rochefort. Slight rain and snow over the northern parts of our Islands later, as well as in several parts of Scandinavia, and slight snow showers locally in the south of England; and a large amount of rain reported at Luton.

Temperature risen over the most northern countries, fallen decidedly over Central Europe. Morning readings highest 57° at Nemours, 54° at Malta, and exceeding 40° at most of the Mediterranean stations, at Luton and at Bilbao; 41° at Scilly, and Malin 38° at Stornoway. Lowest (1) 5° F. at Haparanda, −1° at Archangel and 0° Zero at St Petersburg, 12° at Horlingfors and Moscow; (2) −4° at Kharkov, +3° at Kiew, 12° at Warsaw, 19° at Munich, 22° at Berlin, 30° at Brussels. Falling still lower over Central Europe and the east and south of our Islands later, but tending to rise over Scotland and touching 42° at Stornoway.

Wind NW¹ over northern Europe, N³ over Scotland and the eastern shores of the North Sea, NE¹ to E³, in most parts of Central and eastern Europe, and blowing strongly at some of our southern stations. Becoming still stronger from the E^ward over Ireland and England later.

Barometer highest 30·5 in: and more to 30·2 in: in a complex anticyclonic system lying over the northern parts of our Islands, the North Sea, Germany, and the south of Scandinavia. Lowest (1) below 28·7 in: in a depression advancing towards Portugal from the Atlantic; (2) below 29·8 in: in another over Greece and Asia Minor, and (3) below 29·9 in: in a third over Lapland and the Kola Peninsula. The south-western depression advancing eastwards later and further disturbances appearing in the far north.

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, 22nd January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.67	1	N	2	b	29.81	+.21	0	-1	+3	N	4	b	*	b	*	9	-11	-
	Hernösand ...	29.63	1	W	0	b	29.77	+.10	15	14	+1	N	4	s	*	b	*	25	0	-
	Stockholm ...	29.47	17	NNW	4	bc	29.58	-.17	11	10	-4	NNW	2	b	*	bc	*	23	11	0.04
	Wisby	29.44	28	NW	6	o	29.47	-.28	21	20	-5	ESE	4	bc	*	o	*	28	21	0.04
	Karlstad ...	29.52	22	NNE	4	s	29.67	-.16	27	26	+6	NNE	4	b	*	s	*	*	*	-
	Bodö	29.85	20	ENE	2	b	29.98	+.24	20	17	0	E	2	b	1	b	*	27	16	-
	Christiansund ...	29.68	31	NE	1	o	29.96	+.16	23	22	-11	W	0	b	3	o	*	39	19	0.04
	Skudesnaes ...	29.54	28	N	2	b	29.68	-.20	24	20	-8	ENE	6	bc	2	c,b	*	32	19	*
	Færder (Christiania Fjord)	29.48	26	N	1	b	29.62	-.26	25	17	-1	N	7	b	2	b	*	27	18	-
	Skagen (The Scaw)	29.41	28	ENE	1	b	29.50	-.36	21	20	-8	ENE	8	o	3	b	*	30	18	0.08
	Fanö	29.35	27	N	4	c	29.29	-.60	24	23	-8	NNE	6	c	*	c	*	34	21	0.32
	Sumburgh Head	29.72	36	N	3	c	29.85	-.08	34	33	-4	NE	4	osp	5	op.c	*	40	32	0.09
	Stornoway ...	29.87	38	NNW	3	c	29.98	-.13	38	35	-4	ENE	4	orsp	4	c	2.3	43	33	0.07
	Wick	29.74	37	N	5	o	29.83	-.19	38	37	-1	NE	6	cu	5	orsp	*	41	34	0.08
	Nairn	29.80	38	NW	2	c	29.84	-.24	38	37	+2	NNE	5	bc	5	c	*	41	33	0.09
	Aberdeen ...	29.73	37	NNW	5	cqp	29.74	-.29	34	32	-3	N	6	cq	5	cqps	0.9	41	32	0.13
	Leith	29.77	37	WNW	3	o	29.72	-.40	35	33	+4	N	3	bc	*	o	*	39	30	-
	Shields	29.70	36	W	3	b	29.57	-.53	33	33	-2	NNE	5	o	5	c.sq	*	39	32	0.06
	Spurn Head ...	29.65	36	WNW	4	o	29.42	-.62	36	33	-1	NNE	5	c	5	or.os	*	38	31	0.21
	York	29.76	36	WNW	1	o	29.52	-.57	33	31	0	N	1	bc	*	o	0.0	38	29	0.08
	Loughborough ...	29.79	34	WNW	2	o	29.49	-.59	33	32	-1	N	4	csp	*	cq.c.q	*	39	32	-
British Islands.	Ardrossan ...	29.78	42	NW	2	o	29.79	-.36	35	34	+4	NNW	2	b	2	op.o	*	42	30	-
	Malin Head ...	29.86	44	WNW	6	oqp	29.86	-.33	41	41	+3	N	6	bc	4	o.pq	*	44	38	0.07
	Belmullet ...	30.04	43	NNW	3	om	29.92	-.34	42	40	+6	ENE	4	o	*	o,om	*	44	32	0.07
	Donaghadee ...	29.85	40	W	5	r	29.76	-.42	40	37	+3	NE	8	b	6	r	*	42	35	0.03
	Liverpool (Bidston)	29.81	38	NNW	3	o	29.60	-.50	33	31	+1	N	5	b	3	bc.p	*	39	32	0.03
	Holyhead ...	29.86	41	NW	4	oq	29.67	-.45	39	35	+1	NE	7	cq	6	c.oq	*	43	35	0.07
	Parsonstown ...	30.00	35	W	1	o	29.80	-.35	35	33	0	NW	2	b	*	b.or	4.7	40	34	0.01
	Valencia ...	30.06	38	NNE	2	c	29.81	-.32	42	39	+5	NNE	5	op	5	c	4.4	45	35	0.04
	Roche's Point ..	29.98	38	N	3	c	29.75	-.34	40	38	+2	NNE	5	c	4	c	*	41	35	-
	Pembroke (St. Ann's Hd.)	29.86	36	E	3	o	29.54	-.50	38	36	+2	NE	5	cqp	4	bc.o	4.1	42	35	0.04
	Scilly	29.82	38	NE	4	c	29.52	-.39	44	43	+6	N	7	oq	5	qc	0.0	45	31	0.04
	Prawle Point ...	29.82	32	NNE	4	o	29.46	-.44	35	35	+4	NNE	3	c	2	o,p	*	36	28	0.02
	Jersey (St. Aubin's)	29.74	36	NE	5	oq	29.38	-.45	41	39	+3	NNW	4	op	3	oq,c	*	41	35	0.10
	Hurst Castle ...	29.81	33	ENE	3	o	29.60	-.55	35	34	+2	NW	4	cmu	2	om,s	*	35	29	0.02
	Dungeness ...	29.73	33	NE	4	oqs	29.27	-.65	33	33	+3	NW	4	csp	3	o,sq	*	34	27	0.03
	North Foreland	29.79	35	N	3	o	29.27	-.72	34	33	+3	N	5	c	4	o	*	35	30	0.07
	London (Brixton) ..	29.79	34	NNW	2	o	29.38	-.64	34	32	+3	N	4	bcq	*	o.rsq	0.0	35	30	0.04
	Oxford	29.73	33	W	2	o	29.44	-.60	34	33	+2	N	3	osp	*	o,sp	*	35	31	0.02
	Cambridge ...	29.77	34	NNW	2	o	29.39	-.65	32	32	0	N	4	bsp	*	c,o	0.4	36	30	0.03
	Yarmouth ...	29.69	35	W	2	c	29.32	-.69	34	33	0	NE	8	oqs	6	bcm,c	*	36	31	0.05
Germany & Holland.	Cuxhaven ...	29.58	26	WSW	4	s	29.19	-.78	26	26	-2	N	4	o	*	s	*	30	25	0.08
	Berlin	29.61	23	WSW	3	o	29.23	-.76	19	18	-3	SW	3	s	*	o	*	25	18	0.04
	Wiesbaden ...	*	*	*	*	*	29.26	-.67	22	21	-4	N	2	o	*	*	*	30	21	-
	Munich... ..	29.55	25	SE	2	o	29.19	-.66	24	24	+1	E	2	s	*	o	*	27	23	-
	The Helder ...	29.58	34	SW	4	r	29.24		31	30		NE	4	o	3	r	*	37	27	0.24
Belgium.	Brussels ...	*	*	*	*	*	29.18	-.81	31	31	+1	NW	3	s	*	o	*	32	21	0.08
	Cape Gris Nez ...	29.72	30	E	3	o	29.28	-.64	36	35	+10	N	5	o	5	o	*	36	25	0.08
	Paris	29.73	30	NE	3	o	29.34	-.54	27	27	-5	SW	2	s	*	o	*	32	23	-
	Brest	29.71	38	NE	3	o	29.52	-.23	43	41	+5	NW	4	c	2	o	*	43	32	0.04
	Lorient... ...	29.65	37	ENE	6	m	29.49	-.21	39	37	+2	NW	4	o	2	m	*	39	30	-
France &	Rochefort ...	29.53	42	ENE	5	c	29.51	-.13	32	30	-7	N	5	c	*	bc.c	*	50	28	-
	Belfort	29.60	28	E	3	m	29.24	-.60	27	?	-1	W	0	f	*	m	*	42	27	-
	Lyons	29.58	37	N	1	o	29.26	-.55	33	32	0	NW	1	o	*	o	*	43	32	0.08
	Nice	29.57	46	E	4	r	29.12	-.72	42	39	0	W	0	r	4	r	*	50	41	0.24
	Perpignan ...	29.40	46	NE	2	r	29.24	-.41	45	42	+11	NW	4	o	*	r	*	47	34	1.22
	Biarritz ...	29.39	43	ENE	2	r	29.46	-.04	45	43	+5	NNW	5	o	5	r	*	45	40	0.20
Peninsula.	Corunna ...																*			
	Lisbon	29.65	51	NNW	4	c	29.85	+.35	50	46	+1	NNW	3	bc	*	c	*	55	49	0.20
	Azores (P. Delgada)	29.79	58	SSE	5	r	29.70	-.19	55	53	+2	NNW	4	bc	3	r	*	59	53	1.50

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday. Southport 0.5 hrs; Brighton 0.0 hrs; Hastings & St. hrs; Eastbourne 0.0

WEATHER CHARTS

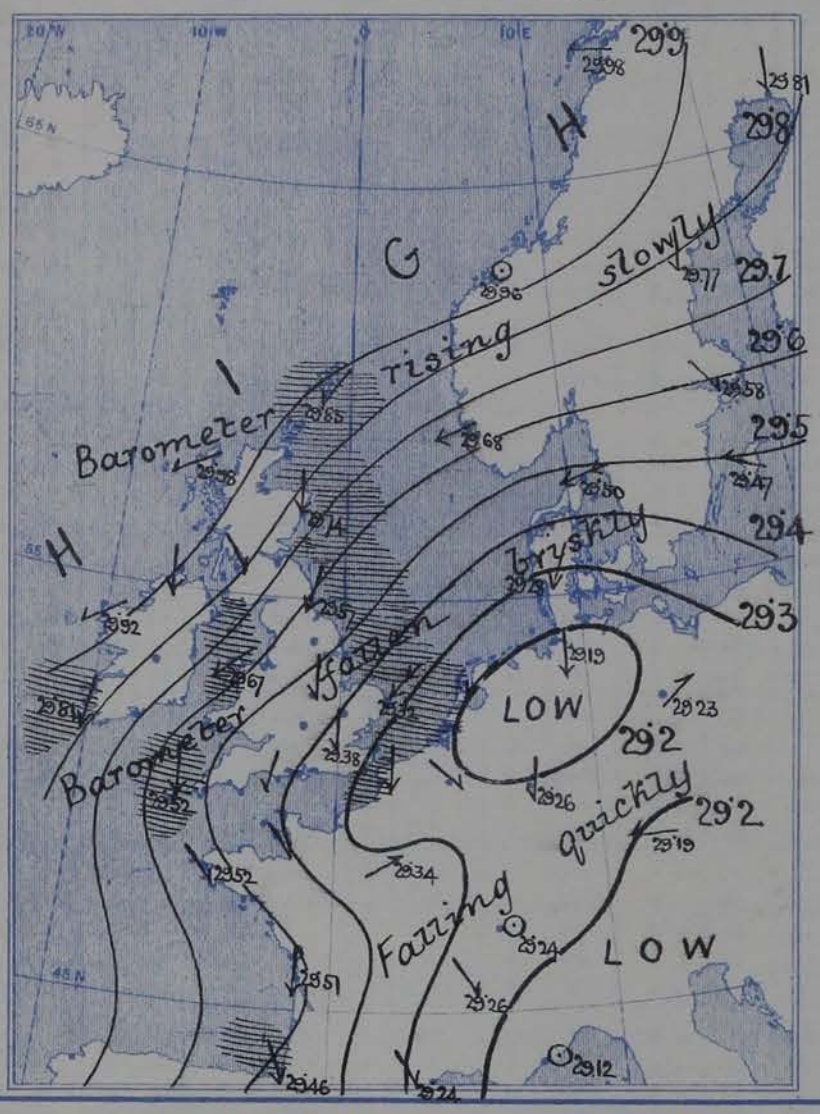
FOR Friday, 22nd January, 1897.

BAROMETER, WIND AND SEA.

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

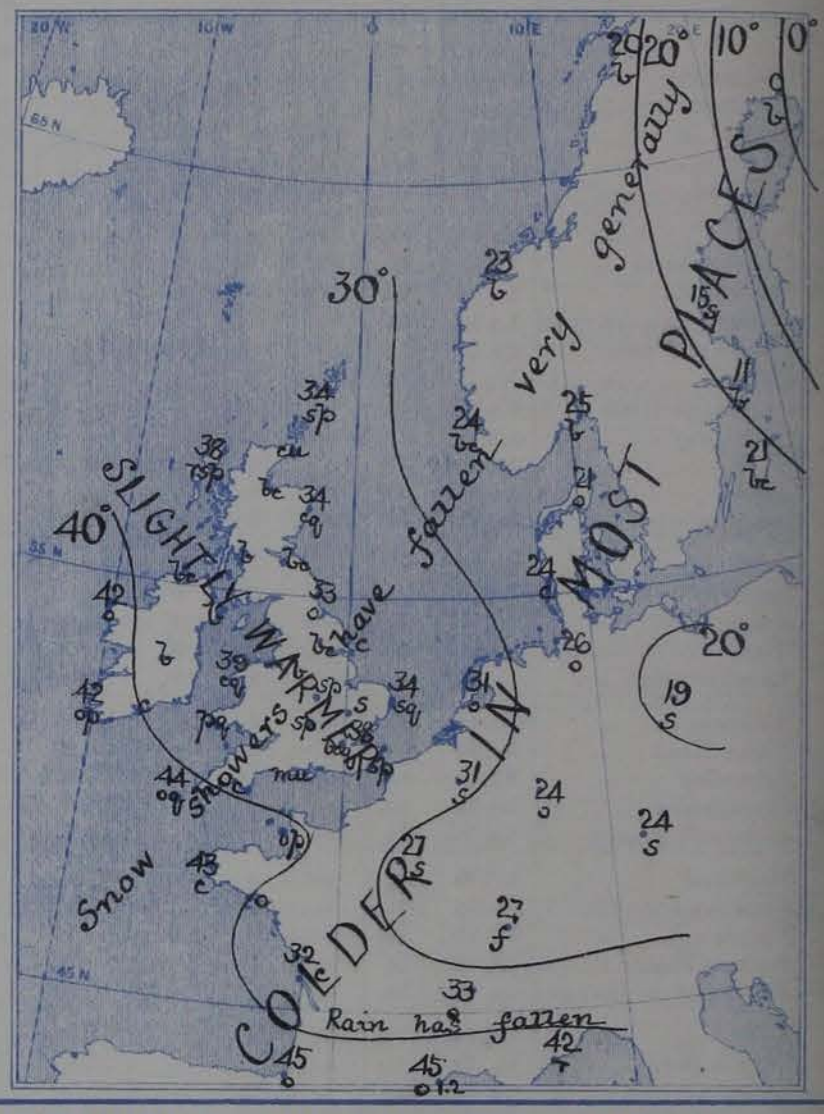
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } *Calm* ⊙
Force 8 to 10 ⟫⟶ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ▤ ; *High* ▤



TEMPERATURE & WEATHER.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·901	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

* 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 northwestern parts of Norway, Scotland, and Ireland.
Lowest, Below 29·1 in: over the Gulf of Genoa and north of Italy, and below 29·2 in: over the Netherlands.
Gradients rather steep for N. to NE. winds all over our Islands and the North Sea, slight and variable over Germany and the east of France.
Barometer, after falling rapidly in the east and southeast has begun to rise again over our Islands & Scandinavia. In London the rise commenced at about 6 am.

TEMPERATURE — Highest, 50° at Lisbon, 44° at Sicily, 42° at Nice, and also on the west coast of Ireland, 38° at Stornoway.
Lowest, 0° F. at Haparanda, 11° at Stockholm, 19° at Berlin, 22° at Wiesbaden; but above 32° in nearly all parts of Great Britain.
It has changed little and fitfully over our Islands during the preceding twenty four hours.

WIND — Very strong and stormy from between NW. and NE. on all exposed parts of our coasts and over the North Sea; some stations report a gale – notably Yarmouth and the Scaw.
Over Germany and Central France varying light breezes and calms prevail.

WEATHER — Varies greatly. Over France and Germany it is dull, with snow in several places, while over our Islands and northern Europe it is squally, with passing snow showers separated by bright intervals.
A heavy fall of rain is again reported from Perpignan.
Bright Sunshine yesterday – in the south of England none, in Ireland and at Pembroke from 4 to 5 hrs, and at Stornoway 1·3 hrs.

SEA — Rough on all exposed parts of our own and the French coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of cold strong winds from the northward is probable, with passing showers of snow and bright intervals.

FORECASTS

For the 24 hours ending at NOON on 23rd JANY 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NE. winds, very strong and squally; slight snow showers, colder tonight.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	N. to NE. winds, strong; squally, slight cold showers.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos 0 to 2.
8 ENGLAND S.W.	N. and NW. winds, strong; squally, dry.
9 IRELAND NORTH 10 IRELAND SOUTH	N. winds, strong; squally, dry.
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.

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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 ...	29·70	31	31	N	0	c	1	Valencia	30·06	40	36	NE	4	c	3
Sumburgh Head	29.76	37	36	N	4	o p	4	Scilly	29.87	35	33	ENE	5	c	3
Stornoway	29.94	42	42	NNW	3	c	3	Jersey	29.76	37	36	ENE	6	o	5
Aberdeen	29.80	38	37	NNW	5	c q r	4	Hurst Castle ...	29.84	34	33	NE	5	o m	3
Shields	29.89	36	34	W	3	c	3	Dungeness ...	29.80	32	32	NE	5	o	4
Ardrossan	29.90	42	42	NW	3	o	2	North Foreland	29.86	32	31	E	5	o	4
Malin Head ...	30.01	42	42	NW	1	o	2	London (Westminster)	29.87	35	34	NNE	3	o	*
Belmullet	30·15	42	40	NNE	2	o	*	Yarmouth ...	29.84	36	34	NSW	2	b c m	4
Holyhead	30.00	39	35	N	3	c	2	Rochefort ...	29.56	50	48	ENE	4	b c	*

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

Weather in morning fine and bright over Lapland, Sweden, the Irish Sea, the south of Russia, and the southeastern part of Mediterranean, cloudy or overcast elsewhere, and very changeable generally. Snow falling over Russia, and occasionally in some parts of our Islands, but rain both in the north of Scotland, and at several of the Spanish stations and Nemours. A heavy fall of rain at Perpignan later, and cold showers over many parts of the British Islands and northwestern Europe.

Temperature changing very fitfully. fallen in most of the western countries, risen over the northern parts of Germany and the Baltic Provinces. Morning readings highest (1) 59° at Algiers, 56° at Malta, and exceeding 40° on the coasts of southern Europe generally; 38° at Jersey and Rochefort; (2) 42° at Stornoway, 39° at Nice. Lowest −4° F. at Archangel and also at Kharkov, −3° at Haparanda, −2° at Odessa, and −1° at Moscow; +8° to 20° over the northern and eastern parts of Scandinavia, as well as over the eastern parts of Austro-Hungary; 21° at Brussels, 28° at Lyons, 30° at Dungeness. Changing but little over the United Kingdom later.

Wind (1) NW³ to N³ over Scandinavia, the Baltic and Holland, but S³ over the northern part of Russia; (2) E³ and NE³, strong, over the southern parts of our Islands, the English Channel, and the Bay of Biscay, but SE³ over the eastern parts of Spain, SW³ at Lisbon; (3) light and anticyclonic over the northwest of our Islands and also over southeastern Europe. Backing somewhat over England later (very temporarily), but veering N^ly on the Norwegian coast.

Barometer highest 30·2 in: and more to 30·1 in: in an anticyclone spreading in from the Atlantic over the northwest of our Islands, and apparently in another lying over the Black Sea and southeastern Europe, the two being united by a "col" stretching from Hungary to the Netherlands and east of England. Lowest 29·6 in: to 29·5 in: in a complex depression over Finland and the Baltic Provinces, and in another over the Spanish Peninsula; a small shallow disturbance apparent over the north of Denmark. The northern disturbances undergoing great modification later and moving southwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 23rd January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·08	8	SW	0	0	30·11	+·36	1	0	+ 1	SSE	2	bc	*	0	*	16	-4	-
	Hernösand ...	30·04	15	NE	6	S	30·17	+·40	12	11	- 3	N	6	o	*	S	*	19	-2	0·04
	Stockholm ...	29·83	13	NE	2	o	29·99	+·41	15	14	+ 4	NNE	4	o	*	o	*	18	9	-
	Wisby	29·72	19	NNE	4	o	29·84	+·37	24	23	+ 3	ENE	4	S	*	o	*	24	16	0·04
	Karlstad ...	29·90	15	N	4	b	30·06	+·39	15	14	- 12	NNW	4	o	*	b	*	*	*	-
	Bodö	30·03	19	E	2	b	30·05	+·07	21	17	+ 1	E	4	bc	1	b	*	21	14	-
	Christiansund ...	30·16	23	SW	o	b	30·14	+·18	23	21	o	ESE	3	b	3	b	*	25	21	-
	Skudesnaes ...	29·95	28	NE	2	b	30·10	+·42	19	18	- 5	E	1	b	2	b	*	25	18	*
	Færder (Christiania Fjord)	29·89	22	NNE	7	b	30·07	+·45	22	20	- 3	NNE	5	o	3	b	*	25	18	-
	Skagen (The Scaw)	29·76	22	ENE	8	c	29·99	+·49	21	20	o	ENE	5	o	2	c	*	23	19	-
	Fanö	29·51	21	NE	6	b	29·76	+·48	22	21	- 2	NE	6	o	*	b	*	25	21	-
British Isles.	Sumburgh Head	30·02	35	NNE	1	o	30·12	+·27	32	30	- 2	NNE	1	c	4	bc, o	*	37	30	-
	Stornoway ...	30·13	34	ENE	4	oq	30·16	+·18	34	34	- 4	SW	o	o s p	o	r s q p	2·0	39	31	0·12
	Wick	30·02	35	N	3	c	30·11	+·28	35	34	- 3	ENE	3	bc	5	c	*	38	31	0·02
	Nairn	30·03	37	NE	4	c	30·13	+·29	27	27	- 11	SW	o	bc	1	s.c	*	38	23	0·03
	Aberdeen ...	29·96	33	NE	9	bc q u	30·11	+·37	33	31	- 1	NE	4	c q	6	c q s p. q	1·5	35	27	0·08
	Leith	29·92	31	NE	7	o	30·08	+·36	33	32	- 2	NNE	3	o	*	o s p	*	38	29	0·17
	Shields	29·78	31	NE	6	b q s p	30·00	+·43	33	33	o	NE	5	c q p s	6	q s p	*	37	27	0·01
	Spurn Head ...	29·54	29	NNE	10	o q s p	29·74	+·32	32	32	- 4	NE	9	c q s	7	q s p	*	36	27	0·05
	York	29·68	28	NNE	4	c s p	29·86	+·34	28	28	- 5	ENE	3	S	*	o s p	0. 0.	37	25	0·09
	Loughborough ...	29·69	26	N	5	S	29·82	+·33	27	26	- 6	N	3	c s p	*	c q s p	*	34	24	0·15
	Ardrossan ...	29·96	31	N	2	b	30·12	+·33	31	31	- 4	N	2	b	1	b	*	39	29	-
	Malin Head ...	29·99	38	NNE	8	b q	30·11	+·25	39	37	- 2	NNE	7	c	4	bc, b q	*	41	34	-
	Belmullet ...	30·05	40	NNE	6	c	30·18	+·26	38	37	- 4	NE	4	o	*	b. c	*	43	33	0·04
	Donaghadee ...	29·96	35	NNE	9	b	30·07	+·41	35	33	- 5	NE	8	b	6	b, h q	*	40	33	0·05
	Liverpool (Bidston)	29·75	28	NNE	6	b	29·95	+·35	27	26	- 6	N	3	b	3	q p s	*	36	26	0·02
	Holyhead ...	29·80	35	NE	8	b c q r s h p	29·99	+·32	34	33	- 5	NE	6	c p	5	q r s h p	*	40	32	0·02
	Parsonstown ...	29·93	35	N	3	b	30·10	+·30	30	30	- 5	S	o	b	*	b, s	7·1	40	26	0·03
	Valencia ...	29·94	41	NNE	6	b q	30·15	+·34	37	33	- 5	NNE	3	bc	3	b q	4·7	42	33	-
	Roche's Point ..	29·83	38	NNE	5	b	30·08	+·33	34	33	- 6	N	4	c	4	b	*	41	30	-
	Pembroke (St. Ann's Hd.)	29·71	33	ENE	6	bc	29·94	+·40	32	32	- 6	NE	6	bc	4	bc, s q	7	40	29	-
	Scilly	29·55	36	N	8	b l s	29·86	+·34	35	32	- 9	NNE	8	c h q	5	c, b l s	4·3	45	29	0·14
	Prawle Point ...	29·69	31	NNE	6	c	29·80	+·34	25	25	- 10	N	4	bc	3	s p	*	36	24	0·02
	Jersey (St. Aubin's)	29·40	37	NNE	4	bc	29·64	+·36	33	31	- 8	N	5	c	4	p h s	*	41	29	0·14
	Hurst Castle ...	29·44	32	N	5	S	29·70	+·30	27	26	- 8	NNE	5	bc	3	s p	*	38	26	0·02
	Dungeness ...	29·35	30	NE	6	S	29·48	+·21	29	29	- 4	NNE	7	s q	6	S, c	*	34	26	0·03
	North Foreland	29·39	30	NE	7	s q	29·54	-·27	27	26	- 7	NE	6	s q	5	s q, l	*	34	25	0·04
	London (Brixton) ...	29·46	29	NE	6	o q s	29·63	+·25	27	25	- 7	NNE	5	o q	*	q p s, b, q s	1·0	37	27	0·06
	Oxford	29·60	25	NE	5	S	29·74	+·30	26	25	- 8	N	4	b	*	s q p	*	37	23	0·09
	Cambridge ...	29·52	26	NNE	5	bc	29·72	+·33	27	27	- 5	NNE	5	S	*	S, bc	1·5	36	24	0·24
	Yarmouth ...	29·42	31	NNE	8	q s h p	29·60	+·28	32	32	- 2	NE	9	c q s h u	6	s h q p	*	34	27	0·28
Germany & Holland.	Cuxhaven ...	29·23	26	NE	7	o	29·58	+·39	26	26	o	ENE	5	S	*	o, s	*	30	25	0·16
	Berlin	29·25	25	E	1	o	29·43	+·20	22	20	+ 3	NNE	5	o	*	o	*	25	19	0·04
	Wiesbaden ...	*	*	*	*	*	29·28	+·02	25	24	+ 3	SW	3	o	*	*	*	27	21	0·08
	Munich... ..	29·10	25	SW	o	S	29·12	-·07	22	22	- 2	W	1	S	*	S	*	28	21	0·20
	The Helder ...	29·34	28	NNE	8	S	29·56	+·32	28	27	- 3	NE	8	c	4	S	*	32	27	0·12
France & Belgium.	Brussels ...	*	*	*	*	*	29·42	+·24	22	22	- 9	NNE	4	S	*	b	*	32	20	0·04
	Cape Gris Nez...	29·33	28	E	7	S	29·45	+·17	27	27	- 9	E	6	S	6	S	*	39	23	-
	Paris	29·22	29	NNE	4	o	29·36	+·02	24	24	- 3	WSW	4	S	*	o	*	36	20	0·12
	Brest	?	40	NNE	4	S	29·67	+·15	31	30	- 12	NE	3	S	2	S	*	45	25	0·28
	Lorient... ...	29·39	37	N	6	r	29·63	+·14	29	29	- 10	N	6	S	4	r	*	39	21	-
	Rochefort ...	29·25	37	NNE	6	r	29·47	-·04	30	29	- 2	NNE	6	c	*	r	*	41	28	-
	Belfort ...	29·22	24	W	2	S	29·17	-·07	22	22	- 5	ENE	3	S	*	S	*	28	22	0·04
	Lyons	29·25	29	NW	1	o	29·19	-·07	23	22	- 10	N	1	S	*	o	*	35	21	-
	Nice	28·90	42	NE	1	b	28·94	-·18	36	31	- 6	SW	4	o	4	b	*	48	36	-
	Perpignan ...	29·26	44	NW	3	o	29·23	-·01	35	29	- 10	NW	5	b	*	o	*	48	34	-
	Biarritz ...	29·30	43	WSW	6	r	29·39	-·07	34	32	- 11	E	3	o	4	t l h r	*	48	32	0·32
Penin-sula.	Corunna ...																*			
	Lisbon	29·87	48	NNE	4	b	29·76	-·09	49	45	- 1	WNW	5	o	*	b	*	54	46	0·04
	Azores (P. Delgada)	29·80	56	SW	4	b	29·77	+·07	57	53	+ 2	SSE	4	t	o	b	*	61	54	-

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

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

Bright Sunshine yesterday Southport 3·0 *hrs; Brighton* 5·3 *hrs; Hastings* 2·8 *hrs;* Eastbourne 3·4 *hrs.*

WEATHER CHARTS

FOR Saturday, 23rd January, 1897.

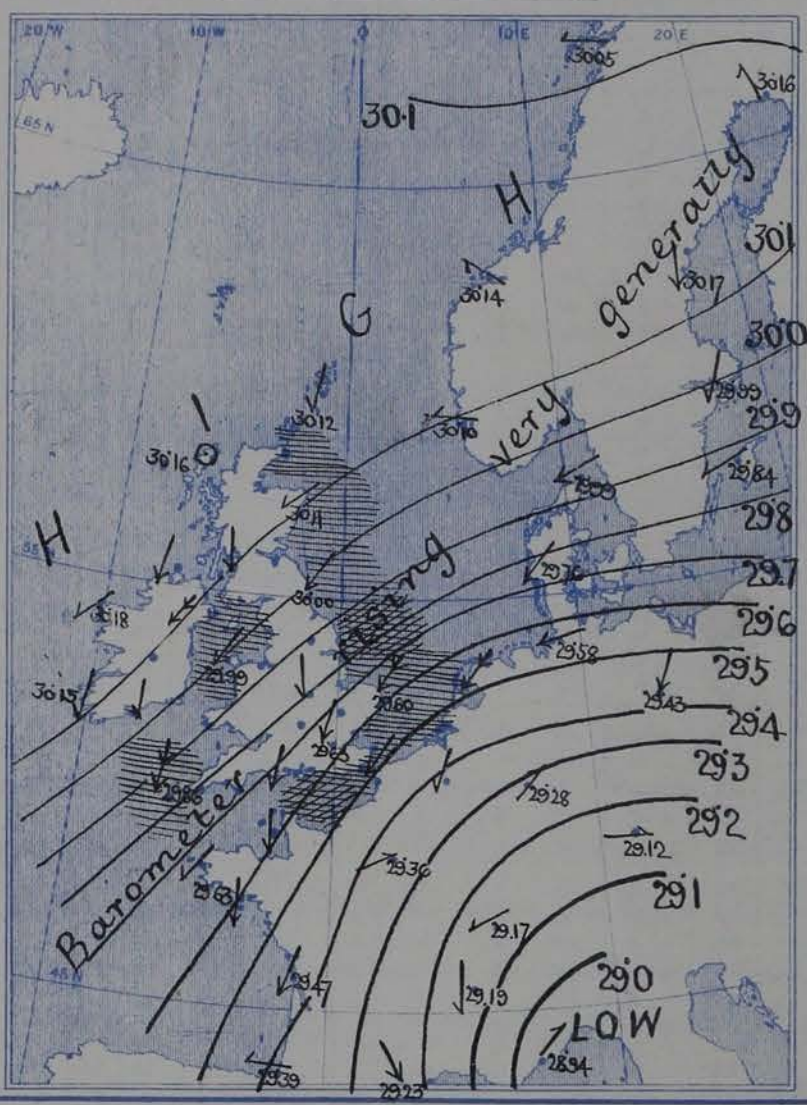
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; High

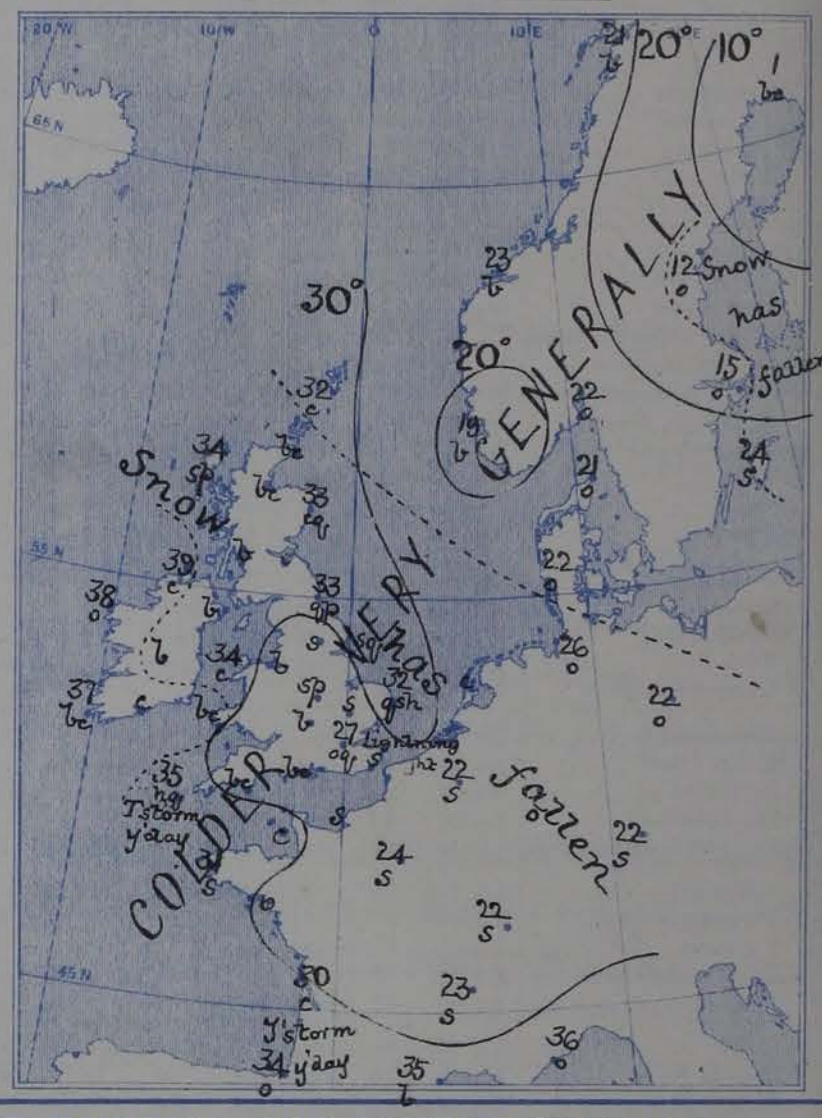


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest. 30·1 in: and more to 30·0 in: over Ireland, Scotland, and Scandinavia.
Lowest. Below 29·0 in: over the southeast of France and the north of Italy (at Nice the reading was 28·94 in:).
Gradients still rather steep over France, the North Sea, England and Ireland, but are slight over the more western and northern countries.
Barometer still rising, but in the north the rise has slackened generally.

TEMPERATURE

Highest. 39° to 37° on the west coast of Ireland, 35° at Scilly, 34° at Biarritz.
Lowest. (1) 1° F. at Haparanda, 15° at Stockholm and Karlstad, 21° at Berlin and Brussels, 24° at Paris; (2) 26° to 28° at our own inland stations.
It has fallen decidedly over the United Kingdom generally during the night, risen in the northwest of Norway.

WIND

N² to NE³ all over our area. It has fallen light at the northern stations, but is fresh to a gale in force over Ireland, England, the Netherlands, and the northern and western parts of France.
The gale has been felt very strongly along our northeast and east coasts.

WEATHER

Very dull over Germany and France, with snow at most stations, changeable over our Islands – snow is falling in frequent showers, separated by intervals of Bright weather.
The falls during yesterday were heavier over our eastern counties than elsewhere; thunderstorms have occurred at Scilly and Biarritz, lightning at the North Foreland. Bright Sunshine yesterday 7 hrs at Parsonstown, 5·3 hrs at Brighton, 3·4 hrs at Eastbourne and Southport, but only 1 hr. in London.

SEA

Going down in the north, but is high off our northeast coasts, rough generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cold strong winds and gales are likely to moderate slowly during the coming day, but still lower temperatures are likely to occur generally, with snow showers at times.

FORECASTS

For the 24 hours ending at NOON on 24th JANY 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind light and probably shifting to SW; very cold then milder.
1	SCOTLAND EAST	NE winds, falling light; very cold, slight showers.
▲ 2	ENGLAND N.E.	
▲ 3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as Nos. 1 and 2.
▲ 5	ENGLAND SOUTH	NE and N winds, strong to moderate; snow showers, temperature falling.
6	SCOTLAND WEST	Same as No. 0
▲ 7	ENGLAND N.W.	Same as Nos. 1 and 2.
▲ 8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	NE winds, strong to moderate; very cold, slight passing showers.
10	IRELAND SOUTH	
	WARNINGS	At 3·45 pm yesterday to districts 2, 3, 5, 7, and 8 "Hoist North Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·86	24	23	NE	7	b	3	Valencia	29·89	41	36	NNE	5	bq	5
Sumburgh Head	29·91	35	31	NE	4	bc	6	Scilly	29·58	41	36	NNE	7	c	5
Stornoway	30·07	37	36	ENE	5	o	5	Jersey	29·37	40	36	N	5	bc	4
Aberdeen	29·89	32	28	NE	9	sqpu	8	Hurst Castle ...	29·42	37	34	NNE	5	c	3
Shields	29·62	34	30	NE	6	osp	6	Dungeness ...	29·30	31	31	NNW	4	c	3
Ardrossan	29·83	37	35	N	6	b	3	North Foreland	29·31	32	31	N	7	s	6
Malin Head ...	29·91	40	40	NNE	7	bc	4	London (Westminster)	29·39	30	29	N	6	sqp	*
Belmullet	30·00	43	39	NE	5	b	*	Yarmouth ...	29·34	33	32	NNE	8	srq	6
Holyhead	29·67	39	35	N	8	cq	4	Rochefort ...	29·37	39	38	SW	3	r	*

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

Weather in morning fine and bright over Scandinavia, as well as at Lisbon, at Constantinople, and at Hermanstadt; very changeable elsewhere, much snow being reported over Germany, and frequent snow showers over various parts of the British Isles, rain over the south of France, the north of Italy, and at several other Mediterranean stations. Snow falling later in nearly all parts of the British Islands, heaviest in the east. thunder and lightning occurring at several stations in France and the south of England, and a good deal of rain falling at Biarritz.

Temperature falling decidedly over the Baltic, the west of Norway and the west of Scotland, rising over southern and central Europe. Morning readings highest 50° and more on the southern shores of the Mediterranean, 50° at Lisbon, 44° at Scilly, 42° to 40° on the Irish coasts. Lowest, -3° F. at Helsingfors and ranging from 0° Zero to +10° over the greater part of Russia; 10° to 24° over Scandinavia and Central Europe, 27° at Paris, 32° to 35° over the inland parts of England. Falling decidedly over the British Islands later – sharp frost at night.

Wind cyclonic over nearly the whole of Europe. E. to N. over the northern and northwestern countries, and blowing hard in many places, NW. to W. in the extreme west, SE. and S. (and light) over the Eastern countries. Complex cyclonic circulations reported over southern Europe and the Mediterranean. Strong gales from the NE. prevalent over our Islands and the North Sea later.

Barometer highest 29·9 ins: and more, to 29·8 ins: over Russia, the north of Scandinavia, the northwestern and western parts of Ireland and Scotland, and apparently off the southwest coast of Portugal also. Lowest 29·1 ins: to 29·2 ins: in a complex depression over southern Europe, and in another over the Netherlands, causing steep gradients for NE. winds over the British Isles. Latter system moving southwestwards and southwards later, and barometer rising fast over northwestern Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 24th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·13	−8	Z	0	b	29·88	−·29	−2	−3	− 3	Z	0	0	#	b	#	18	−9	—
	Hernösand ...	30·08	10	Z	0	0	29·84	−·33	−5	−6	− 17	Z	0	b	#	0	#	16	?	—
	Stockholm ...	29·99	15	NE	3	0	29·84	−·15	15	15	0	NE	2	0	#	0	#	21	10	—
	Wisby	29·87	23	ENE	6	c	29·72	−·12	22	21	− 2	NE	6	s	#	c	#	25	16	—
	Karlstad ...	30·05	14	N	2	0	29·89	−·17	0	−1	− 15	N	2	b	#	0	#	#	#	—
	Bodö	29·78	20	E	5	c	29·39	−·66	20	16	− 1	E	6	c	2	c	#	21	16	—
	Christiansund ...	29·87	33	WSW	4	0	29·50	−·64	38	33	+ 15	WSW	5	c	4	0	#	38	27	—
	Skudesnaes ...	30·09	19	Z	0	b	29·82	−·28	26	25	+ 7	SSE	4	0	3	b	#	27	18	#
	Færder (Christiania Fjord)	30·08	21	NE	6	b	29·86	−·21	16	15	− 6	N	1	c	1	b	#	23	16	—
	Skagen (The Scaw)	29·99	22	NE	6	c	29·87	−·12	21	20	0	ENE	1	0	0	c	#	23	19	—
	Fanö	29·90	19	NE	4	b	29·80	+·04	16	15	− 6	NNE	1	b	#	b	#	23	16	—
	Sumburgh Head	30·01	37	W	1	0	29·46	−·66	41	39	+ 9	W	3	0	6	0	#	41	32	0·24
	Stornoway ...	30·11	37	WSW	3	0	29·67	−·49	37	37	+ 3	W	3	c	3	0	1·2	39	32	0·10
	Wick	30·06	32	NW	2	bc	29·55	−·56	38	37	+ 3	W	3	0	3	bc	#	38	30	0·02
	Nairn	30·13	31	Z	0	0	29·69	−·46	38	37	+ 11	SW	2	0	1	0	#	38	23	—
	Aberdeen ...	30·14	27	NW	2	b	29·72	−·39	33	31	0	SW	2	cw	3	b	3·5	34	25	—
British Isles.	Leith	30·14	34	W	3	c	29·79	−·29	32	32	− 1	WSW	2	cw	#	c	#	35	25	0·03
	Shields	30·11	34	NE	3	osp	29·87	−·13	27	27	− 6	W	2	0	4	csp, osp	#	35	23	0·02
	Spurn Head ...	29·98	33	NE	5	c	29·88	+·14	31	30	− 1	NW	3	c	4	c, sp	#	33	28	0·01
	York	30·06	29	ENE	3	sp	29·91	+·05	22	22	− 6	WNW	1	b	#	sp	2·1	32	20	0·07
	Loughborough ...	30·03	26	NNW	1	b	29·96	+·14	22	21	− 5	W	1	bc	#	csp, bc	#	30	22	0·02
	Ardrossan ...	30·17	30	N	1	bm	29·80	−·32	39	38	+ 8	WSW	3	0	2	bm	#	39	26	—
	Malin Head ...	30·17	35	SE	1	bc	29·83	−·28	42	42	+ 3	NW	5	ogr	3	bc	#	42	32	0·02
	Belmullet ...	30·23	37	E	1	b	29·98	−·20	43	43	+ 5	NW	2	or	#	bc, b	#	43	30	0·12
	Donaghadee ...	30·20	35	NNE	5	b	29·92	−·15	32	30	− 3	W	3	c	2	b	#	36	26	—
	Liverpool (Bidston)	30·11	29	N	3	b	29·96	+·01	29	28	+ 2	W	1	b	2	b	#	32	26	—
	Holyhead ...	30·12	35	NE	4	csp	29·96	−·03	34	32	0	W	3	c	2	bc, csp	#	35	31	—
	Parsonstown ...	30·18	31	N	1	bc	30·01	−·09	29	29	− 1	Z	0	0	#	bc	7·0	32	20	—
	Valencia ...	30·20	35	NNE	2	bm	30·08	−·07	33	32	− 4	NE	1	op	2	bq, bm	4·5	41	24	0·02
	Roche's Point ..	30·16	34	NE	3	b	30·11	+·03	32	32	− 2	NNW	3	0	3	b	#	39	29	—
	Pembroke (St. Ann's Hd.)	30·08	33	ENE	5	b	30·04	+·10	33	32	+ 1	W	1	0	2	b	7·1	35	29	—
	Scilly	29·95	37	NNE	6	csp	30·02	+·16	37	33	+ 2	NNE	3	c	3	c	5·8	38	31	0·01
	Prawle Point ...	29·92	30	NNE	6	c	30·03	+·23	25	25	0	N	3	bc	2	c	#	34	24	—
	Jersey (St. Aubin's)	29·74	35	NNE	6	cpsg	29·95	+·31	33	32	0	N	4	omps	3	cspg	#	35	32	0·03
	Hurst Castle ...	29·86	31	NNE	5	b	29·96	+·26	28	27	+ 1	NW	2	cm	2	spg, b	#	33	25	—
	Dungeness ...	29·71	32	NE	8	s	29·82	+·36	28	28	− 1	NNW	4	osq	3	osq	#	32	28	0·03
	North Foreland	29·80	31	NE	7	osp	29·84	+·30	29	28	+ 2	N	6	sp	6	osp	#	34	26	0·02
	London (Brixton) ...	29·85	29	NNE	4	c	29·92	+·29	28	26	+ 1	NW	1	0	#	osq	0·0	31	26	0·03
	Oxford	29·98	27	NNE	2	b	29·97	+·23	27	26	+ 1	N	2	c	#	sp, b	#	32	24	—
	Cambridge ...	29·95	27	NNE	4	bc	29·93	+·21	26	26	− 1	NW	3	0	#	sp, bc	3·3	31	23	0·07
	Yarmouth ...	29·85	33	NE	7	cq	29·85	+·25	32	31	0	NNE	4	cg	4	cq	#	34	29	0·10
Germany & Holland.	Cuxhaven ...	29·76	23	NE	6	0	29·69	+·11	24	24	− 2	N	3	0	#	osp	#	28	21	—
	Berlin	29·51	25	NE	5	s	29·48	+·05	27	26	+ 5	NE	2	s	#	s	#	27	21	0·20
	Wiesbaden ...	#	#	#	#	#									#	#	#			
	Munich	29·24	23	SE	1	0	29·33	+·21	18	18	− 4	W	4	s	#	0	#	25	18	—
	The Helder ...	29·82	27	NE	7	bc	29·81	+·25	26	26	− 2	NE	3	s	1	bc	#	28	26	—
Belgium.	Brussels ...	#	#	#	#	#	29·79	+·37	22	22	0	NNE	5	s	#	0	#	26	21	—
	Cape Gris Nez ...	29·68	28	E	7	s	29·77	+·32	29	28	+ 2	E	5	0	5	s	#	32	23	—
	Paris	29·57	25	N	4	0	29·73	+·37	22	21	− 2	N	5	bc	#	0	#	30	22	0·04
	Brest	29·82	31	NNE	4	s	29·94	+·27	33	33	+ 2	NE	3	b	3	s	#	39	27	—
	Lorient	29·72	32	N	6	s	29·91	+·34	34	34	+ 5	NNE	6	0	4	s	#	36	28	—
France &	Rochefort ...	29·56	28	NNE	6	bc	29·79	+·32	28	28	− 2	NNE	6	b	#	bc	#	39	26	—
	Belfort	29·36	22	Z	0	s	29·51	+·34	18	18	− 4	SW	1	s	#	s	#	26	18	0·08
	Lyons	29·40	20	NW	5	s	29·51	+·32	22	21	− 1	NW	3	s	#	s	#	23	19	—
	Nice	29·08	28	Z	0	b	29·28	+·34	26	25	− 10	Z	0	c	4	b	#	43	23	—
	Perpignan ...	29·48	32	NW	4	b	29·56	+·33	28	26	− 7	NW	5	0	#	b	#	37	27	—
	Biarritz ...	29·59	31	SE	3	s	29·81	+·42	27	24	− 7	S	3	s	5	s	#	45	25	0·16
Penin-sula.	Corunna ...	29·83	39	NE	6	bc	30·04	+·45	39	35	− 3	ENE	1	bc	5	bc	#	43	28	0·12
	Lisbon	29·86	41	NNW	4	b	30·06	+·30	?	?	?	N	4	b	#	b	#	50	36	—
	Azores (P. Delgada)	29·87	52	WSW	4	b	29·95	+·18	53	48	− 4	WSW	4	bc	3	b	#	59	48	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*

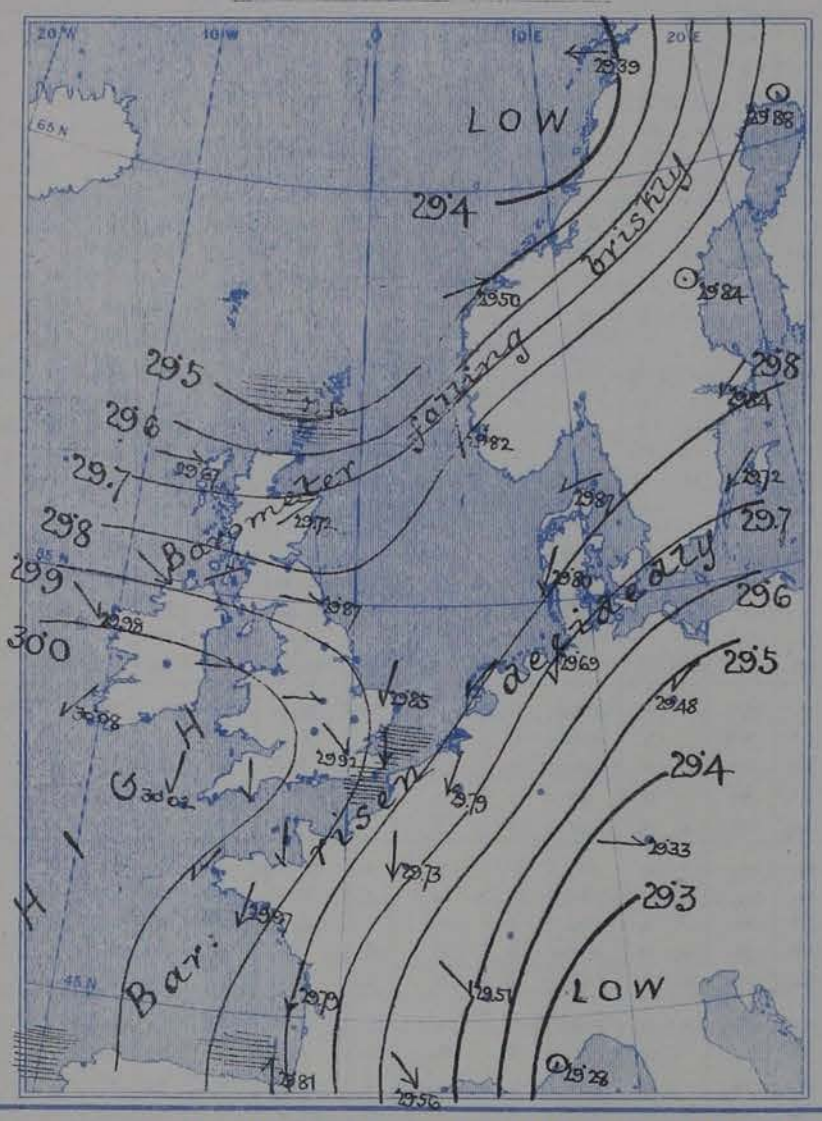
Bright Sunshine yesterday Southport 6·5 *hrs; Brighton* ? *hrs; Hastings* ? *hrs;* Eastbourne 0·0 hr.

WEATHER CHARTS

FOR Sunday, 24th January 1897.

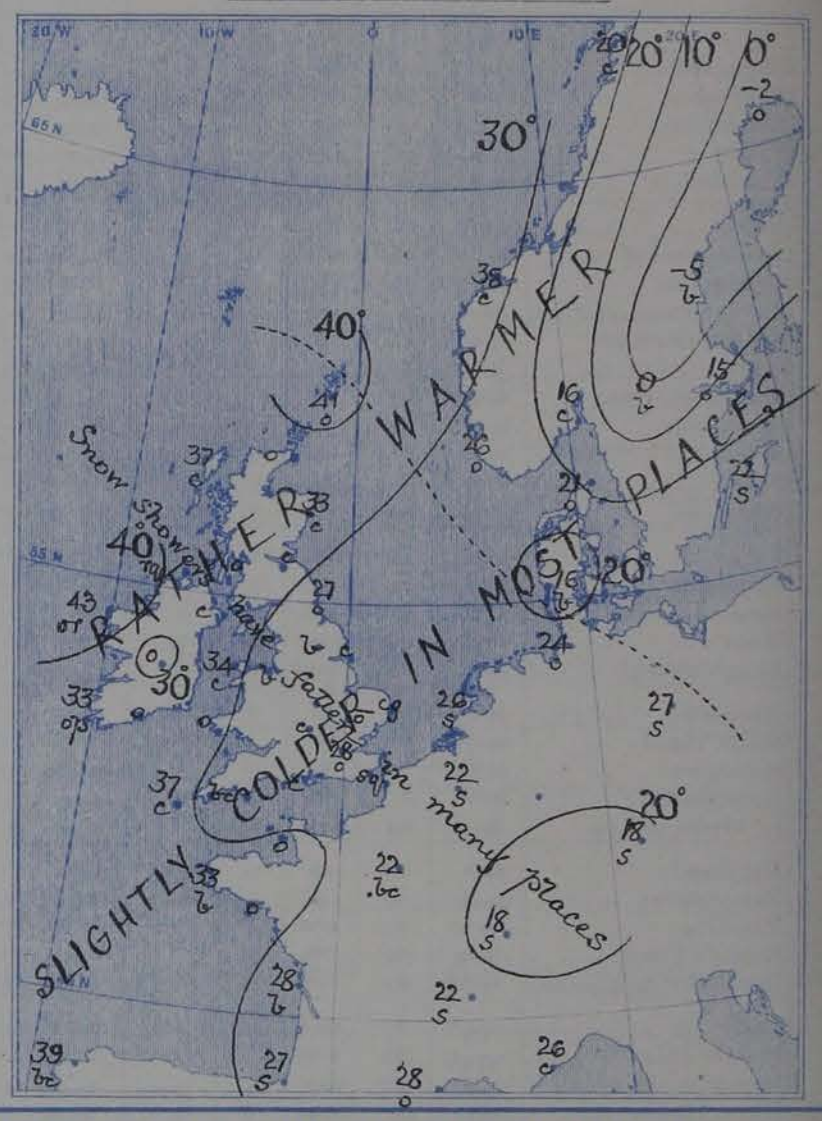
BAROMETER, WIND AND SEA.

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



TEMPERATURE & WEATHER.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest (1) 30.0 ins. and more to 29.9 ins. over Portugal, Brittany and the western and southwestern parts of our Islands; (2) exceeding 29.9 ins. over Finland; (3) exceeding 29.8 ins. in a 'col' stretching from SW. to NE. from the English coast and across the North Sea and south of Scandinavia.
Lowest (1) Below 29.3 ins. over the Riviera and N. of Italy; (2) below 29.4 ins. over the NW. of Norway, and below 29.5 ins. over the Shetlands.
Gradients steep for SW^{n} winds over Norway and the N. of Scotland, and moderate for N.^{w} to NE.^{n} winds over the Baltic Germany and France. Barometer rising over France, Germany & the SW. of England, falling very fast over Iceland & Norway.

TEMPERATURE — Highest 43° to 42° in the NW. of Ireland, 39° to 37° in the W. and N. of Scotland; 38° at Christiansund.
Lowest (1) −5° F. at Hernösand, −2° at Haparanda, 0° zero at Karlstad; (2) 18° at Munich and Belfort, 22° at Lyons and Paris; (3) 27° at York and Loughborough, 26° at Cambridge, 28° in London, 29° at Parsonstown.
Decided rise in progress over Scotland, no decided change over England, decided fall in the S. of France.

WIND — (1) Light and anticyclonic over the greater part of Ireland, England, the S^{rn} parts of Scandinavia and Finland; (2) Moderate W.^{ly} over Scotland and the W. of Norway; but (3) NE.^{ly} over Germany and N.^{w} to NW.^{ly} over France.
All the gales recently observed have died down.

WEATHER — Rather showery in the W. of Ireland, overcast in Scotland and the W. of Norway; fair over England as a whole; but dull over France, with snow in many places.
Snow showers have fallen in many parts of Gt. Britain, and in some parts of France and Germany.
Over Scandinavia the weather has been fine.

SEA — Rough at Stornoway Hd. and Cape Gris Nez, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 25TH JANUARY 1897.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·13	27	25	ENE	4	b	1
Sumburgh Head	30·07	36	32	W	1	o	4
Stornoway	30·15	39	37	W	2	o	2
Aberdeen	30·14	32	28	NW	2	b	5
Shields	30·06	34	31	NE	4	csp	6
Ardrossan	30·15	36	35	N	1	b	1
Malin Head ...	30·15	38	37	SE	3	bc	2
Belmullet	30·19	43	40	ENE	3	bc	*
Holyhead	30·07	35	34	NE	5	bc	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·14	40	35	NE	5	bq	4
Scilly	29·91	37	33	NNE	6	c	4
Jersey	29·[illegible]	34	32	NNE	7	o	5
Hurst Castle ...	29·74	33	32	NNE	6	csbq	4
Dungeness ...	29·59	31	30	NNE	8	osq	7
North Foreland	29·71	32	31	NE	6	sp	6
London (Westminster)	29·76	32	31	NNE	6	oqs	*
Yarmouth ...	29·74	33	32	NE	8	cq	6
Rochefort ...	29·50	35	34	NNE	6	c	*

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

Weather in morning fair as a whole over Ireland, the Irish Sea, Scotland and Norway, cloudy, squally and very unsettled elsewhere, with snow over England, France, Germany, the Baltic, and some parts of Russia, rain on the southern shores of the Mediterranean and in the S. of Russia. Snow showers later over many parts of Gt. Britain and in some parts of France.

Temperature fallen decidedly over the British Islands and France. Morning readings highest 59° to 50° on the southern shores of the Mediterranean, 49° to 42° on the western shores of the Iberian Peninsula, 39° to 37° on the W. coast of Ireland. Lowest −12° F. at Archangel, +1° at Kuopio and Haparanda, 3° at Moscow, 4° at St. Petersburg, and below 20° F. over Sweden and nearly the whole of Russia; 20° to 25° over N. Germany and France, 26° to 28° over England. Beginning to rise over Scotland later, but falling over England and Ireland at night to 20° at York and Parsonstown, and to 23° at Cambridge.

Wind light and very variable over Scotland and the extreme northern parts of the Continent, E. to NE. over the Baltic and the North Sea and rather more N. over England, Ireland and France. Blowing hard over the North Sea and several parts of our Islands and France — especially on our own E. coast. Gale moderating slowly later, but continuing on our SE coasts until after 6 pm.

Barometer highest 30·2 ins. and more over the north of Russia, and exceeding 30·1 ins. over Scandinavia, Scotland and the west of Ireland. Lowest Below 29·0 ins. in a complex depression having its central area over the Riviera, and northern parts of the Mediterranean and Adriatic. Rising fast over England, Ireland and France later, but beginning to fall again in Norway and the north of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

for 8 a.m. on Monday 25th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29·80	−8	S	2	o	29·81	−·07	−4	−4	− 2	SSE	2	o	*	o	*	−4	−13	—
	Hernösand ...	29·70	3	Z	o	b	29·62	−·22	15	13	+ 20	Z	o	o	*	b	*	15	−8	—
	Stockholm ...	29·70	15	Z	o	o	29·57	−·27	10	10	− 5	NE	2	o	*	o	*	16	10	—
	Wisby	29·60	22	ENE	4	o	29·45	−·27	24	24	+ 2	E	4	s	*	o	*	24	18	—
	Karlstad ...	29·74	−3	N	2	b	29·60	−·29	6	5	+ 6	NNE	1	o	*	b	*	*	*	—
	Bodö	29·31	24	E	6	o	29·37	−·02	27	25	+ 7	E	6	o	2	o	*	27	16	—
	Christiansund ...	29·32	37	Z	o	o	29·16	−·34	33	30	− 5	ESE	3	o	4	o	*	39	32	—
	Skudesnaes ...	29·52	31	SE	9	s	29·20	−·62	31	30	+ 5	SE	10	o	6	s	*	31	18	*
	Færder (Christiania Fjord)	29·67	22	S	2	o	29·53	−·33	16	16	0	ESE	2	c	2	o	*	22	16	—
	Skagen (The Scaw)	29·69	19	Z	o	c	29·51	−·36	19	18	− 2	E	1	bc	o	c	*	23	18	004
	Fanö	29·67	14	NNE	1	b	29·44	−·36	19	19	+ 3	ESE	3	b	*	b	*	25	12	—
British Islands.	Sumburgh Head	29·27	39	WNW	2	c	28·95	−·51	28	28	− 13	NW	6	s	6	c	*	42	27	0·07
	Stornoway ...	29·48	38	NW	4	c	29·50	−·17	25	25	− 12	NNW	4	o	4	rq,c	2·9	43	23	015
	Wick	29·31	35	WNW	5	r	29·26	−·29	26	25	− 12	WNW	8	ow	4	r	*	40	25	010
	Nairn	29·43	38	W	2	r	29·44	−·23	28	27	− 10	NW	5	o	2	r	*	42	26	0·06
	Aberdeen ...	29·45	36	SSW	2	bcm	29·40	−·32	28	25	− 5	NW	5	cqw	3	bcm	2·6	41	28	—
	Leith	29·54	35	N	1	b	29·42	−·37	31	31	− 1	N	1	o	*	b,sp	*	40	30	005
	Shields	29·57	37	W	3	bc	29·41	−·46	33	32	+ 6	W	2	osp	3	sp, bc	*	38	26	—
	Spurn Head ...	29·65	32	SW	3	o	29·42	−·46	35	34	+ 4	WNW	4	b	3	o	*	37	31	—
	York	29·65	33	WNW	1	c	29·45	−·46	34	32	+ 12	W	2	b	*	c	2·0	38	21	0·01
	Loughborough ...	29·75	33	SW	2	o	29·56	−·40	36	35	+ 14	W	4	op	*	c,om,cq	*	37	22	0·01
	Ardrossan ...	29·60	43	W	3	cp	29·42	−·38	33	33	− 6	NW	4	b	2	cp, s	*	43	32	0·06
	Malin Head ...	29·64	41	WNW	7	crq	29·52	−·31	38	35	− 4	NW	10	bc	6	rq,c,hq	*	43	32	0·14
	Belmullet ...	29·85	43	NNW	3	opq	29·87	−·17	38	37	− 5	NNE	5	o	*	opq	*	45	35	010
	Donaghadee ...	29·66	38	SW	4	c	29·57	−·35	34	30	+ 2	WSW	6	c	4	c	*	41	31	0·04
	Liverpool (Bidston)	29·72	36	WSW	4	r	29·53	−·43	37	33	+ 8	WNW	7	c	6	rhp	*	40	29	004
	Holyhead ...	29·72	40	W	5	op	29·63	−·33	38	36	+ 4	WNW	7	oq	6	op	*	42	32	0·07
	Parsonstown ...	29·83	40	W	1	o	29·79	−·22	36	35	+ 7	W	1	bc	*	oa	1·0	41	28	0·04
	Valencia ...	29·94	45	W	5	opq	29·93	−·15	43	40	+ 10	WNW	4	cp	4	opq	2·1	47	32	0·21
	Roche's Point ..	29·89	42	W	4	c	29·88	−·23	40	38	+ 8	NW	3	bc	3	c	*	45	32	—
	Pembroke (St. Ann's Hd.)	29·84	42	NW	5	o	29·76	−·25	42	40	+ 9	NW	5	oq	4	o	1·9	43	33	002
	Scilly	29·93	41	W	5	op	29·85	−·17	45	43	+ 8	NW	5	cq	4	op	2·0	46	33	005
	Prawle Point ...	29·91	36	W	3	c	29·79	−·24	37	36	+ 12	NNW	3	c	2	c,p	*	40	25	006
	Jersey (St. Aubin's)	29·97	35	NW	3	csq	29·78	−·17	43	41	+ 10	W	3	cq	3	o.sq,p	*	43	33	009
	Hurst Castle ...	29·87	34	W	4	bc	29·68	−·28	39	37	+ 11	W	4	c	2	bc	*	39	27	—
	Dungeness ...	29·81	?	NNW	2	o	29·58	−·26	35	34	+ 7	WSW	3	c	2	o	*	35	26	001
	North Foreland	29·83	29	NW	3	bc	29·56	−·28	32	30	+ 3	W	4	c	4	bc	*	33	26	—
	London (Brixton) ...	29·82	31	W	1	o	29·61	−·31	35	34	+ 7	WSW	2	c	*	bc, ps	0·6	36	28	—
	Oxford	29·75	32	WSW	2	bc	29·52	−·35	36	34	+ 9	W	3	o	*	bc	*	36	26	—
	Cambridge ...	29·80	30	SW	3	os	29·55	−·38	36	34	+ 10	WSW	4	c	*	bc,os	2·7	37	24	001
	Yarmouth ...	29·76	30	W	2	csp	29·46	−·39	34	32	+ 2	W	2	bcm	3	csp	*	34	28	005
Germany & Holland.	Cuxhaven ...	29·65	23	NNE	2	c	29·50	−·19	7	17	− 7	S	1	o	*	c	*	25	16	—
	Berlin	29·47	28	NNW	3	s	29·54	+·06	23	22	− 4	WNW	4	o	*	s	*	30	21	012
	Wiesbaden ...	*	*	*	*	*	29·75		22	21		W	2	o	*	*	*	27	19	004
	Munich	29·55	19	W	4	c	29·76	+·23	18	18	0	W	7	s	*	c	*	21	18	024
	The Helder ...	29·71	27	SSW	1	b	29·38	−·43	35	34	+ 9	WSW	3	o	2	b	*	36	26	—
Belgium.	Brussels ...	*	*	*	*	*	29·60	−·19	30	29	+ 8	SSW	5	o	*	s	*	30	22	—
	Cape Gris Nez ...	29·74	31	N	4	s	29·68	−·19	37	37	+ 8	SSW	5	r	5	s	*	37	29	0·16
	Paris	29·88	27	NNW	2	o	29·78	+·05	29	28	+ 7	SSW	2	o	*	o	*	29	22	—
	Brest	30·01	38	W	2	c	29·87	−·07	46	45	+ 13	WNW	3	o	3	c	*	46	33	004
	Lorient	30·01	35	NNW	3	c	29·95	−·02	45	44	+ 11	WNW	4	c	3	c	*	45	27	051
France &	Rochefort ...	29·96	35	NW	3	o	30·00	+·21	43	41	+ 15	WSW	4	o	*	o	*	43	28	—
	Belfort	29·72	20	SW	3	s	29·95	+·24	15	15	− 3	W	2	m	*	s	*	23	14	—
	Lyons	29·85	21	NW	2	m	30·08	+·57	17	16	− 5	WSW	1	s	*	m	*	24	16	—
	Nice	29·44	30	NE	1	b	29·61	+·33	28	24	+ 2	E	1	b	3	b	*	39	26	—
	Perpignan ...	29·79	31	NW	7	c	29·99	+·43	37	32	+ 9	NW	4	c	*	c	*	37	28	—
	Biarritz ...	29·99	30	ESE	2	s	30·10	+·29	36	34	+ 9	S	4	o	4	s	*	39	27	086
Peninsula.	Corunna ...																*			
	Lisbon	30·25	42	N	4	b	30·34	+·28	41	37	?	N	3	b	*	b	*	46	39	—
	Azores (P. Delgada)	29·98	58	S	6	o	30·02	+·07	60	59	+ 7	SW	5	r	4	o	*	60	53	071

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; Brighton* 6·0 *hrs; Hastings* 6·0 *hrs;* Eastbourne 4·5 hrs

WEATHER CHARTS

FOR Monday 25th January, 1897.

BAROMETER, WIND AND SEA.

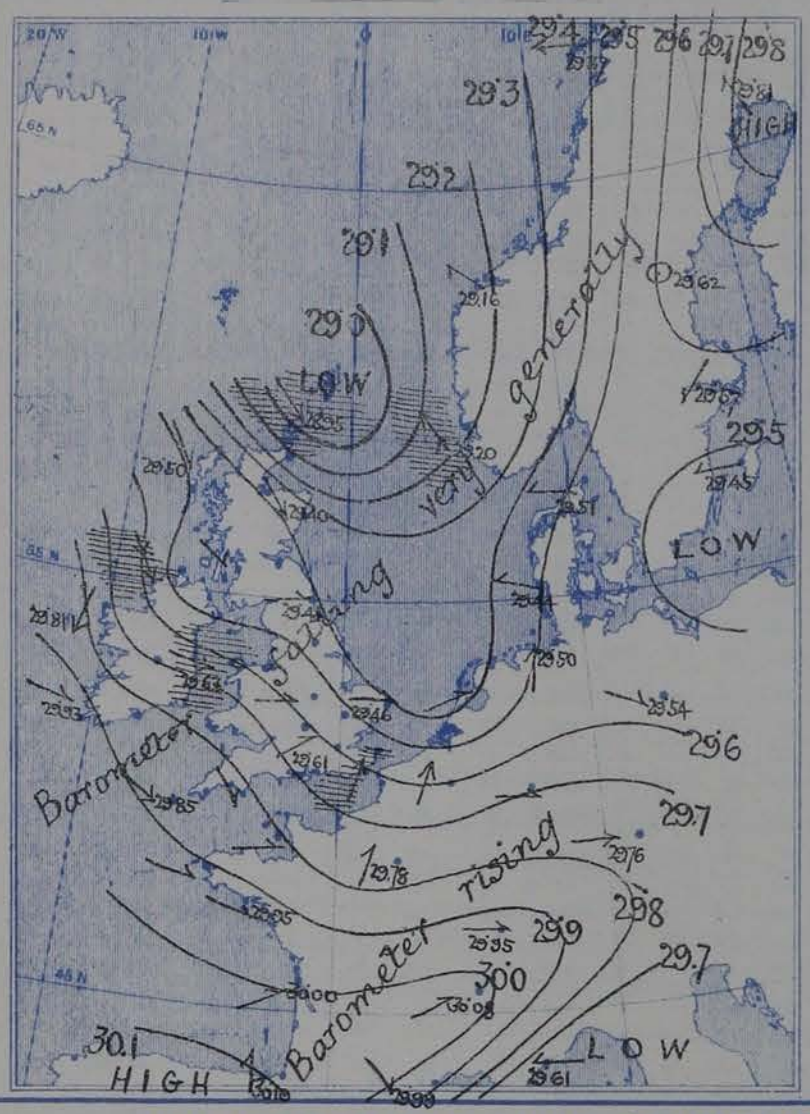
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—*Rough* ▒ ; *High* ▓

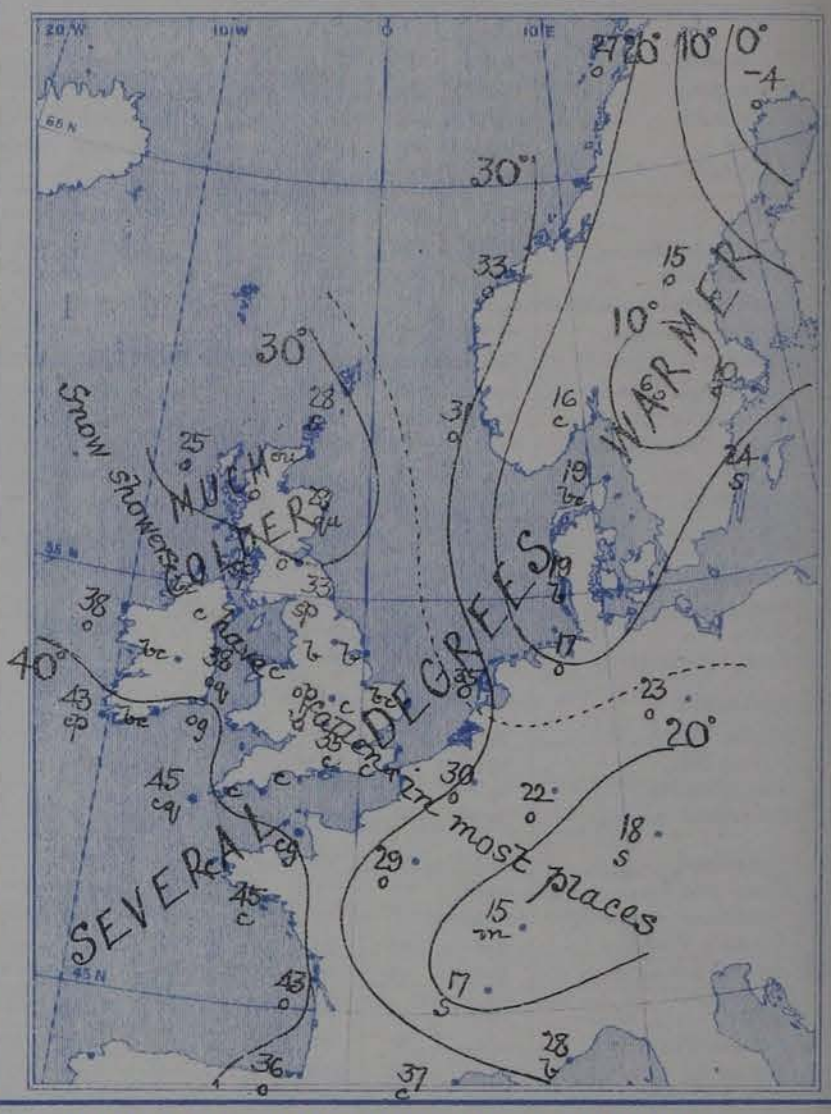


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.1 ins. and more over Spain, and exceeding 29.9 ins. over the Bay of Biscay and the SW. of Ireland; (2) 29.8 ins. and more to 29.6 ins. over Finland, the Gulf of Bothnia and Sweden.
Lowest (1) Below 29.0 ins. in a depression near Swinemunde; below 29.4 ins. in a "hollow" over the North Sea, and below 29.5 ins. in a small disturbance off the west of Scotland.
Gradients very variable – steep in the north. Distribution very complex. Barometer falling generally, especially in the north, and over the Netherlands.

TEMPERATURE

Highest 45° to 40° on our own southwestern coasts and on the northwestern and western coasts of France.
Lowest (1) –4° F. at Haparanda, +6° at Karlstad, 10° at Stockholm, (2) 15° at Belfort, 17° at Lyons, 28° at Nice, 25° to 28° in the north of Scotland.
It has risen greatly over England and the N. of France since yesterday, but fallen again in the N. of Scotland.

WIND

NW. 4, strong to a gale at our northern and northwestern stations, moderate on our southwestern coasts,
W. 3, moderate over England and the Channel.
SW. 3 to SE. 4, light, on the eastern shores of the North Sea.
The NW. 4 wind is increasing in force and is likely to become general over our Islands during the coming 24 hours.

WEATHER

Cloudy generally, and very unsettled – showery in some places, squally in the north, with an angry appearance at Wick.
Snow showers prevailed in many places yesterday, but in nearly all instances the falls were slight. Bright Sunshine recorded yesterday was – from 2 to 3 hrs. at many of the N.rn and W.rn stations, and 0.6 hrs. in London, but 4.5 hrs. at Eastbourne, and 6 hrs. at Hastings and Brighton.

SEA

Rough in the north and west, slight in the east, moderate in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cold NW. 4 wind in the north seems likely to spread southwards during the day, and to bring colder weather and snow to England.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW. 3 and N. 3 gales; very cold, with snow.	6 SCOTLAND WEST	NW. 3 to N. 3 gales; very cold, with snow.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	Wind veering to NW. and blowing strongly; much colder, with snow.	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 10.5 am. today to districts 0 to 2 and 6 to 10. Hoist North Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.69	30	29	SE	6	0	5
Sumburgh Head							
Stornoway	29.51	40	40	W	3	TQ	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.70	43	42	WNW	6	c	5
Belmullet	29.87	45	44	NNW	4	0	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.95	35	32	N	4	0	3
Hurst Castle ...							
Dungeness ...	29.81	29	29	NNW	3	bc	2
North Foreland	29.85	31	30	N	5	bc	5
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.87	33	32	NNE	5	0	*

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

Continental information not yet received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 17TH TO 23RD JANUARY 1897.

The weather experienced during this week has been very changeable and wintry. It commenced with a very biting wind over England, some showers of snow, and low temperatures generally, the minimum readings reported being 19° at Nairn, 21° at Parsonstown, and 27° to 29° over many parts of England. Monday brought a recovery of temperature in Scotland, but a fall over the E.rn and S.rn parts of England, and for a day or two there were frequent changes from frost to thaw and *Vice Versa*. By Wednesday a well formed Anticyclone had appeared over Scotland, and NE. winds were general over England and Ireland. The Scandinavian and Baltic pressures then gave way, and during the rest of the week depressions were developed over Denmark, the Netherlands and the south of France, which caused strong and very cold NE. gales almost all over the Kingdom, with frequent squalls of snow, and, at several of the S.rn stations, thunder and lightning.

At the close of the week the gales had nearly all died down, but temperature was very low generally, and some snow showers were still falling over England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 26th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.79	−9	E	0	b	29.52	−.29	1	1	+ 5	NE	4	S	*	b	*	?	−9	0.39
	Hernösand ...	29.34	2	N	6	b	29.15	−.47	6	6	− 9	N	6	S	*	b	*	19	1	0.16
	Stockholm ...	29.18	15	NNE	6	s	29.10	−.47	8	7	− 2	W	2	b	*	s	*	16	8	0.24
	Wisby	29.15	23	E	8	s	29.13	−.32	24	23	0	NNW	4	s	*	s	*	27	19	0.08
	Karlstad ...	29.35	10	NNE	2	s	29.23	−.37	13	12	+ 7	N	2	o	*	s	*	*	*	—
	Bodö	29.47	23	E	4	b	29.50	+ .13	19	16	− 8	E	4	b	1	b	*	27	18	—
	Christiansund ...	29.21	32	SE	4	b	29.28	+ .12	24	23	− 9	SE	1	b	3	b	*	33	24	—
	Skudesnaes ...	29.17	27	SE	4	c	29.25	+ .05	21	19	− 10	E	1	c	3	c	*	31	21	*
	Færder (Christiania Fjord)	29.41	10	NE	4	o	29.25	− .28	16	15	0	N	3	o	2	o	*	16	10	—
	Skagen (The Scaw)	29.30	17	E	1	o	29.26	− .25	20	19	+ 1	E	0	o	o	o	*	21	16	—
	Fanö	29.18	23	E	0	o	29.19	− .25	22	22	+ 3	E	0	c	*	o	*	25	19	0.39
British Islands	Sumburgh Head	28.86	34	N	4	s	29.27	+ .32	36	36	+ 8	N	3	o	4	c, s	*	36	28	0.06
	Stornoway ...	29.52	25	NNW	8	o	29.60	+ .10	30	30	+ 5	WNW	3	o	3	sp. o	1.4	30	22	0.04
	Wick	29.17	?	NW	9	s	29.36	+ .10	31	31	+ 5	NW	6	s	5	s	*	32	23	1.50
	Nairn	29.39	27	NW	4	o	29.52	+ .08	32	31	+ 4	WNW	3	o	3	osp	*	32	22	0.01
	Aberdeen ...	29.24	26	WNW	10	bcqu	29.39	− .01	30	30	+ 2	NW	7	osq	6	sp, bcq, s	1.6	30	24	0.43
	Leith	29.48	25	NW	2	b	29.52	+ .10	30	29	− 1	W	4	o	*	b	*	31	22	—
	Shields	29.47	26	W	3	b	29.46	+ .05	28	28	− 5	SW	4	c	3	s, b	*	33	20	0.04
	Spurn Head ...	29.45	29	WNW	6	csq	29.46	+ .04	30	29	− 5	WNW	6	bc	5	csq	*	36	26	0.01
	York	29.50	27	NNW	1	b	29.52	+ .07	29	29	− 5	NNW	4	b	*	b	2.5	38	23	—
	Loughborough ...	29.54	31	WNW	4	bc	29.66	+ .10	27	26	− 9	W	4	bc	*	cq, bc, o	*	39	25	0.20
	Ardrossan ...	29.35	29	NW	5	bcsp	29.59	+ .17	32	31	− 1	NW	6	b	3	cm, bcsp	*	33	26	0.02
	Malin Head ...	29.65	29	NW	10	chsq	29.71	+ .19	34	34	− 4	WNW	8	osq	5	o, chsq	*	39	28	0.08
	Belmullet ...	29.89	34	NW	5	c	29.91	+ .10	33	32	− 5	NW	1	os	*	chp, c	*	39	29	—
	Donaghadee ...	29.67	28	SSW	6	bc	29.72	+ .15	26	26	− 8	WNW	5	b	3	bc	*	34	25	0.27
	Liverpool (Bidston)	29.60	32	NW	5	bc	29.67	+ .14	30	30	− 7	NW	5	s	?	hsp, bc	*	38	26	0.10
	Holyhead ...	29.68	34	NNW	8	cqhp	29.77	+ .14	33	32	− 5	NW	5	chp	5	cqhp	*	39	32	0.03
	Parsonstown ...	29.84	31	W	2	b	29.90	+ .11	28	28	− 8	W	1	b	*	s, b	3.1	39	27	—
	Valencia ...	29.96	41	NNW	5	oq	29.91	− .02	38	35	− 5	WSW	4	cp	4	cpq, oq	3.6	46	36	0.02
	Roche's Point ..	29.89	39	NW	4	cp	29.96	+ .08	36	33	− 5	NW	3	c	3	cp. sp	*	43	33	—
	Pembroke (St. Ann's Hd.)	29.78	35	NW	6	o	29.88	+ .12	36	33	− 6	NW	5	bc	4	o	2.0	42	34	—
	Scilly	29.85	46	WNW	6	cp	29.94	+ .09	43	39	− 2	WNW	5	cp	4	cp	2.4	47	38	0.10
	Prawle Point ...	29.77	38	WNW	4	c	29.92	+ .13	34	33	− 3	NW	4	c	3	c	*	42	31	—
	Jersey (St. Aubin's)	29.80	44	WNW	4	cpq	29.95	+ .17	40	36	− 3	WNW	4	c	3	cqhp	*	45	38	0.07
	Hurst Castle ...	29.66	39	WNW	5	c	29.84	+ .16	34	33	− 5	W	5	bc	3	bc, c, sp	*	42	27	—
	Dungeness ...	29.52	36	W	4	c	29.71	+ .13	30	29	− 5	W	5	b	4	b, c, sq	*	40	27	0.01
	North Foreland	29.51	33	NW	5	s	29.72	+ .16	27	26	− 5	W	6	b	5	c, s, l	*	37	25	0.02
	London (Brixton) ...	29.58	34	NW	4	bc	29.74	+ .13	29	27	− 6	WSW	3	b	*	bc, rsl, b	0.0	41	28	0.04
	Oxford	29.67	32	NW	3	bc	29.75	+ .13	29	28	− 7	W	3	b	*	bc, sp, bc	*	40	27	0.02
	Cambridge ...	29.52	32	WNW	6	b	29.67	+ .12	27	26	− 9	W	5	b	*	rsq, b	3.9	39	24	0.01
	Yarmouth ...	29.36	31	NNW	6	sq	29.52	+ .06	27	27	− 7	WNW	6	bcq	4	o, spq	*	35	22	0.23
Germany & Holland.	Cuxhaven ...	29.14	28	W	2	o	29.28	− .22	29	28	+ 12	WSW	3	c	*	o. sp	*	32	17	0.04
	Berlin	29.30	24	WSW	3	s	29.31	− .23	25	24	+ 2	WNW	4	o	*	s	*	28	23	0.12
	Wiesbaden ...	*	*	*	*	*	29.63	− .12	25	24	+ 3	W	2	bc	*	*	*	30	22	0.24
	Munich	29.57	26	SW	8	o	29.62	− .14	25	24	+ 7	W	7	c	*	o	*	28	18	—
	The Helder ...	29.27	31	SW	1	bc	29.40	+ .02	31	30	− 4	W	4	bc	2	bc	*	36	28	0.16
Belgium.	Brussels ...	*	*	*	*	*	29.68	+ .08	26	22	− 4	W	7	b	*	s	*	35	23	0.12
	Cape Gris Nez ...	29.54	36	NW	7	s	29.68	+ .10	32	31	− 5	NW	7	bc	6	s	*	41	28	—
	Paris	29.72	?	W	2	bc	29.88	+ .10	32	29	+ 3	WSW	3	bc	*	bc	*	39	31	0.04
	Brest	29.92	46	WNW	3	c	30.02	+ .15	44	44	− 2	WNW	3	c	3	c	*	48	39	0.39
	Lorient	29.97	45	WNW	4	c	29.97	+ .02	43	41	− 2	NNW	3	o	2	c	*	48	41	—
France &	Rochefort ...	30.01	46	WNW	4	c	30.09	+ .09	44	43	+ 1	WNW	4	o	*	c	*	48	43	0.08
	Belfort	29.72	28	SW	7	s	29.71	− .18	28	27	+ 13	SW	6	m	*	s	*	28	16	0.04
	Lyons	29.98	28	S	1	o	30.01	− .07	36	33	+ 19	W	1	o	*	o	*	36	26	0.12
	Nice	29.77	37	E	0	b	29.73	+ .12	42	32	+ 14	E	1	b	3	b	*	45	32	—
	Perpignan ...	30.03	46	?	4	b	30.10	+ .11	48	43	+ 11	NW	3	b	*	b	*	49	44	—
	Biarritz ...	30.11	49	W	6	r	30.14	+ .04	47	46	+ 11	WSW	5	r	5	r	*	49	36	0.47
Peninsula.	Corunna ...																*			
	Lisbon	30.38	44	NNW	4	b	30.39	+ .05	40	38	− 1	N	2	b	*	b	*	50	39	—
	Azores (P. Delgada)	30.04	60	SSW	5	o	30.10	+ .08	59	57	− 1	WSW	4	c	4	o	*	63	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.*

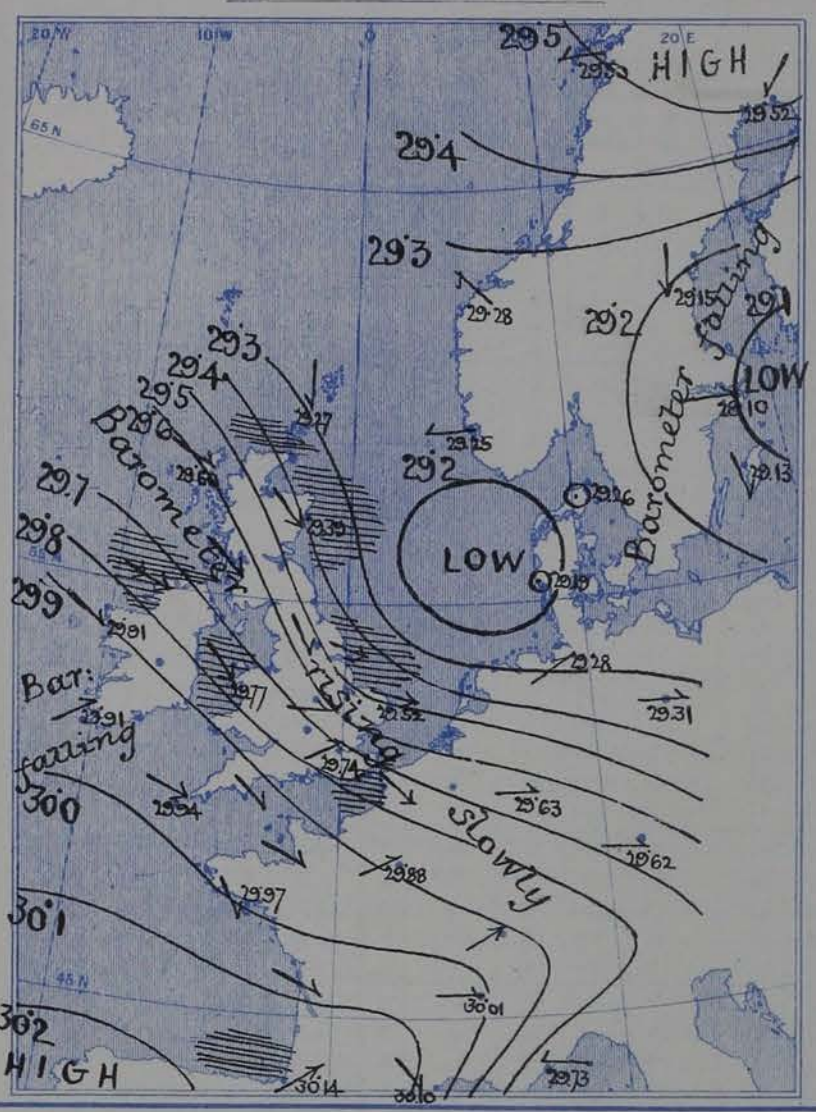
Bright Sunshine yesterday Southport 4.7 hrs; Brighton 4.3 hrs; Hastings 3.9 hrs; Folkestone 3.6 hrs.

WEATHER CHARTS

FOR Tuesday, 26TH January, 1897.

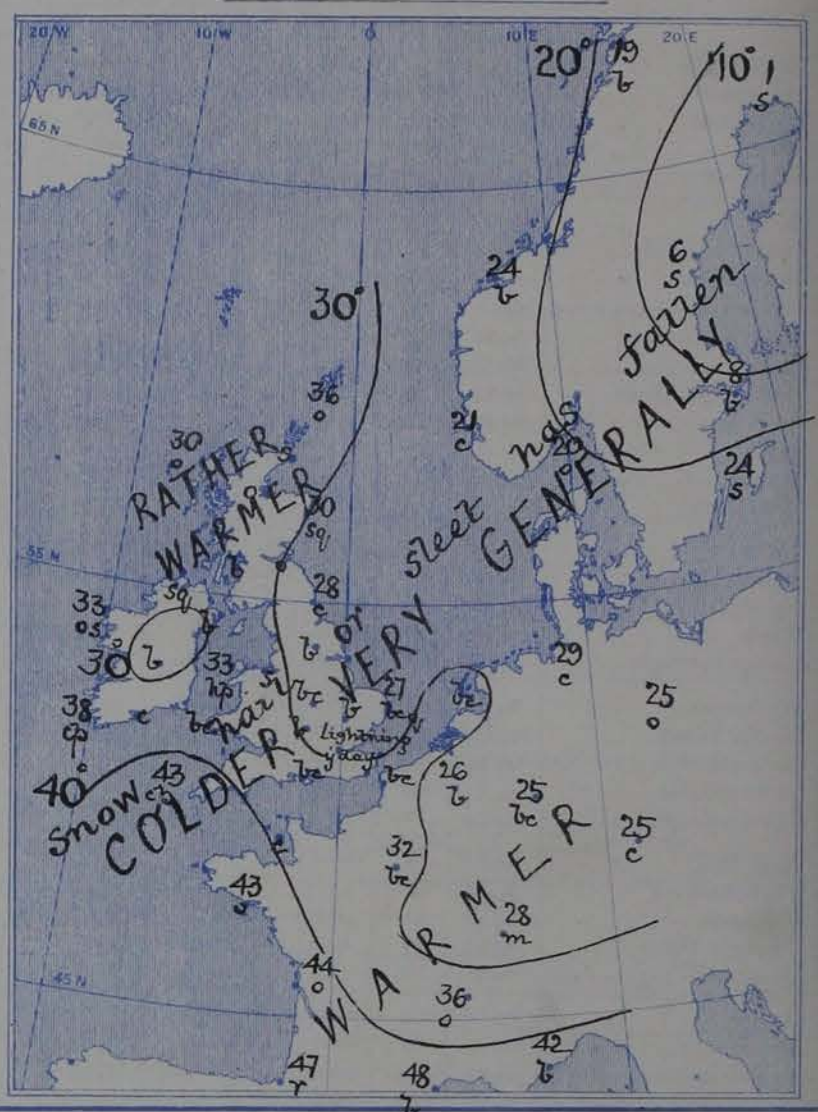
BAROMETER, WIND AND SEA.

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



TEMPERATURE & WEATHER.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins. and upwards in an anticyclone lying over the S^W. parts of the Spanish peninsula.
Lowest 29·1 ins. and less in a depression over the S^W. part of the Gulf of Bothnia; 29·2 ins. and less in another disturbance over the North Sea.
Gradients moderate over the N. and E. of our Islands, the Netherlands and Germany, and also in the S. of France; slight or smooth elsewhere. Barometer rising over the greater part of W^N. Europe, but falling again in the W. of Ireland; falling also at the Swedish stations.

TEMPERATURE

Highest 48° at Perpignan, 47° at Biarritz, 44° at Brest and Rochefort, 43° at Sicily, Lorient, 42° at Nice.
Lowest 1° at Haparanda, 6° at Hernösand, and 8° at Stockholm; lowest in our Islands, 26° at Donaghadee, and 27° at Loughborough, Cambridge, Yarmouth and the North Foreland.
Sharp frost occurred last night in all but the SW^N. parts of the Kingdom, the lowest reading reported being – (1) In the screen 20° at Shields, and 22° at Stornoway, Nairn and Yarmouth; (2) on the grass 21° at Loughborough.

WIND

NW^N. or W^N. over the greater part of our Islands, France, Germany and the Netherlands; strong in force on our NW., N and E. coasts, with a gale at Malin Head.
Calm in Denmark, light from the E^ND. in the W. of Norway; moderate to fresh from the N^W. in Sweden.
A strong to whole gale was experienced yesterday on our N. and NW. coasts.

WEATHER

Fine at most of the English stations, as well as over the Netherlands and the extreme S. of France, but snow reported at Liverpool.
Cloudy or dull in nearly all other parts of our area, with snow in the N. of Ireland, the NE. of Scotland and the north of Sweden.
Snow, hail or sleet fell yesterday over NW^N. Europe generally, – heavily in the N. of Scotland.
Thunder and lightning occurred at Greenwich, and lightning only at the N. Foreland.

SEA

Rough or rather so on most parts of our NW, N. and E. coasts, as well as at Cape Gris Nez & Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday off our N. and E. coasts are all filling up. A fresh fall of the barometer has, however, commenced in the W. of Ireland, the present tendency being for W^N. winds and milder weather.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Strong NW^N. winds and snow squalls, followed by moderate W^N. breezes and fair weather.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW^N. winds, strong to moderate; changeable, some snow showers.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	W^N. winds, moderate; fine at first, some showers later; becoming milder.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	NW^N. to W^N. or SW^N. winds, unsettled, some showers, becoming milder.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	SW^N. winds, moderate or fresh; unsettled, some rain, milder.
	WARNINGS	The North Cone was hoisted yesterday on all coasts, but the signals have 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 ...	29.18	30	30	SE	8	c	6
Sumburgh Head	28.75	35	34	N	3	c	5
Stornoway	29.52	26	26	NNW	5	o	9
Aberdeen	29.29	25	22	W	8	cq,sp	5
Shields	29.43	29	28	N	3	s	3
Ardrossan	29.52	31	30	NW	4	bc	2
Malin Head ...	29.62	30	29	NW	9	o	7
Belmullet	29.83	37	34	NNW	6	chp	*
Holyhead	29.61	38	35	NW	8	chpq	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.91	45	40	NW	6	cpq	5
Scilly	29.85	46	41	NW	5	c	4
Jersey	29.80	43	41	WNW	4	c	3
Hurst Castle ...	29.66	41	37	WNW	4	bc	3
Dungeness ...	29.54	39	36	WSW	4	b	2
North Foreland	29.54	36	34	W	6	c	5
London (Westminster)	29.56	40	36	WNW	3	bc	*
Yarmouth ...	29.38	34	33	WNW	4	csq	4
Rochefort ...	29.97	47	46	WNW	4	c	*

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

Weather in morning fair or fine at most of the English and Irish stations, as well as over the Spanish peninsula, the extreme south of France and N^rn Italy. Cloudy or dull in nearly all other parts of Europe, with snow in the Shetlands, and also in many parts of Sweden, Russia, Denmark and Germany; rain falling at Cape Gris Nez and also at Hermanstadt. Snow, sleet or hail falling later over nearly the whole of W^rn Europe, - heavily in the N. of Scotland. Thunder and lightning occurring in the southeast of England.

Temperature fallen in the N. of our Islands, as well as over the central and southern parts of the Continent; risen elsewhere, briskly over England and also in central Russia. Morning readings highest (1) 62° at Athens, 58° at Constantinople, and 51° at Malta; (2) 46° at Brest, and 45° at Scilly and Lorient. Lowest -15° at Kuopio, -11° at Archangel, and -7° at Ulearborg, considerably below the freezing point over northern and central Europe generally, and also in Scotland. Rising during day to 40° and upwards over the S^rn parts of our Islands, but remaining below the freezing point at many of the N^rn stations. Exceeding 45° s. the west and south of France, and reaching 50° at Lisbon.

Wind W^rly or NW^rly over our Islands, and very strong in force on our NW^rn and extreme N^rn coasts, with a gale at Wick and Malin H^ds. SW^rly over the Netherlands and central France. SE^rly on the eastern shores of the North Sea, with a whole gale at Skudesnaes, E^rly or NE^rly over Sweden and N^rn Russia. W^rly in Germany; S^rly over the central and southern parts of Russia; NW^rly in Italy and the extreme S. of France. Variable over the Spanish peninsula. Subsequently increasing to a strong gale from the NW^wd or N^wd on all our more northern coasts.

Barometer highest 30.3 ins. and upwards in an anticyclone over the Spanish peninsula; 29.9 ins. and upwards over N^rn Russia. Lowest 29.0 ins. and less in a deep depression near the Shetlands; 29.4 ins. in two secondary systems lying respectively over the W. of Scotland, and the S^rn parts of the North Sea, and also in another disturbance over the Baltic provinces. Depression near Shetlands subsequently moving slowly S^wds; secondary system over Wales disappearing.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

for 8 a.m. on Wednesday, 27th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.38	13	NE	4	S	29.60	+.08	24	24	+ 23	S	2	O	*	S	*	24	-13	0.51
	Hernösand ...	29.22	12	N	6	S	29.38	+.23	15	15	+ 9	N	4	S	*	S	*	15	1	-
	Stockholm ...	29.26	6	W	2	b	29.44	+.34	9	8	+ 1	SE	2	S	*	b	*	18	5	-
	Wisby	29.31	21	NW	4	S	29.42	+.29	19	18	- 5	SSE	4	S	*	S	*	25	16	0.04
	Karlstad ...	29.28	9	Z	0	b	29.35	+.12	6	5	- 7	N	2	O	*	b	*	*	*	-
	Bodö	29.37	26	ENE	4	O	29.34	-.16	23	19	+ 4	ENE	4	b	1	O	*	?	?	-
	Christiansund ...	29.26	27	E	3	O	29.25	-.03	25	24	+ 1	Z	O	S	3	O	*	27	19	0.04
	Skudesnaes ...	29.30	26	NNW	6	b	29.27	+.02	27	26	+ 6	Z	O	c	2	c.b	*	29	19	*
	Færder (Christiania Fjord)	29.25	18	NNW	1	b	29.15	-.10	18	17	+ 2	NNE	4	b	2	b	*	18	16	-
	Skagen (The Scaw)	29.27	23	W	2	bc	29.09	-.17	29	28	+ 9	NE	3	O	O	bc	*	28	19	0.12
	Fanö	29.31	23	Z	O	O	29.26	+.07	32	32	+ 10	W	6	c	*	O	*	32	19	0.16
	Sumburgh Head	29.40	36	N	3	O	29.69	+.42	35	34	- 1	N	5	c	6	c.o	*	38	33	0.40
	Stornoway ...	29.64	31	NNW	4	O	30.02	+.42	36	34	+ 6	NNW	4	O	5	sp.o	0.7	37	28	0.22
	Wick	29.53	35	NE	5	O	29.83	+.47	34	33	+ 8	NW	6	ou	6	O	*	40	30	0.15
	Nairn	29.58	35	WNW	3	O	29.91	+.39	37	36	+ 5	NW	2	O	2	o s	*	39	30	0.06
	Aberdeen ...	29.49	31	W	7	bq	29.83	+.44	36	33	+ 6	NW	6	cq	4	bcq,ssq	1.2	36	29	0.20
	Leith	29.62	29	WNW	3	b	29.88	+.36	36	36	+ 6	WNW	2	om	*	b	*	38	27	-
	Shields	29.61	28	W	3	b	29.82	+.36	34	33	+ 6	W	2	bc	3	o.b	*	34	25	-
	Spurn Head ...	29.59	32	WNW	5	b	29.76	+.30	33	33	+ 3	WNW	4	b	4	b	*	35	29	-
	York	29.67	30	NNW	2	b	29.84	+.32	30	30	+ 1	NW	1	b	*	b	2.3	36	24	-
	Loughborough ...	29.74	30	WNW	2	c	29.85	+.19	28	28	+ 1	WNW	2	bc	*	bcq,c.b	*	34	26	-
British Islands	Ardrossan ...	29.70	34	NW	3	b	29.95	+.36	36	35	+ 4	NW	1	b	1	b	*	36	31	-
	Malin Head ...	29.76	34	NW	6	chp	30.03	+.32	41	39	+ 7	N	6	cp	4	bc.chp	*	41	32	0.08
	Belmullet ...	29.90	35	NW	3	O	30.16	+.25	38	37	+ 5	N	1	O	*	bc.s.o	*	38	29	0.26
	Donaghadee ...	29.78	29	WNW	4	bc	29.96	+.24	39	38	+ 13	NNW	5	b	4	bc	*	39	26	0.03
	Liverpool (Bidston)	29.75	33	WNW	6	O	29.90	+.23	35	35	+ 5	NW	3	b	3	sp	*	36	28	0.03
	Holyhead ...	29.80	36	WNW	4	chp	29.92	+.15	39	38	+ 6	NNW	5	cp	4	c.hp	*	39	32	0.03
	Parsonstown ...	29.89	32	Z	O	b	30.09	+.19	28	28	O	NW	1	b	*	b,h	6.4	38	25	-
	Valencia ...	29.99	39	NW	3	bc	30.19	+.28	35	32	- 3	NE	2	b	2	c.bc	4.8	42	32	0.02
	Roche's Point ..	29.96	38	WNW	3	b	30.11	+.15	32	32	- 3	NNW	4	b	3	b.sp	*	41	30	-
	Pembroke (St. Ann's Hd.)	29.90	37	NW	4	c	30.01	+.13	36	34	O	NNW	5	b	4	b.c	6.2	38	34	-
	Scilly	29.95	42	WNW	4	c	29.99	+.05	41	37	- 2	N	5	cp	3	chp c	2.4	44	36	0.05
	Prawle Point ...	29.94	33	NW	4	c	29.99	+.07	31	30	- 3	N	2	bc	1	csp	*	41	29	0.04
	Jersey (St. Anbin's)	29.95	40	NW	3	c	29.96	+.01	37	34	- 3	NW	3	bc	3	c	*	43	32	0.01
	Hurst Castle ...	29.87	35	WNW	4	b	29.93	+.09	31	30	- 3	WNW	3	bm	2	c.b	*	39	30	-
	Dungeness ...	29.77	31	W	4	b	29.86	+.15	26	25	- 4	W	3	b	2	b	*	37	23	-
	North Foreland	29.75	32	W	5	b	29.83	+.11	28	27	+ 1	W	2	b	2	b	*	34	26	-
	London (Brixton) ...	29.79	33	WNW	3	b	29.88	+.14	27	25	- 2	WSW	2	b	*	bc,b	3.0	36	26	-
	Oxford	29.83	29	NW	2	b	29.92	+.17	25	25	- 4	W	1	bc	*	b	*	37	25	-
	Cambridge ...	29.75	30	WNW	4	b	29.84	+.17	29	29	+ 2	WNW	2	bc	*	bq	6.2	34	24	-
	Yarmouth ...	29.59	31	WNW	6	cq	29.74	+.22	32	32	+ 5	W	3	bm	3	bcq,cq	*	33	24	-
Germany & Holland	Cuxhaven ...	29.28	28	S	5	OS	29.38	+.10	32	32	+ 3	W	2	O	*	O,S	*	34	27	0.04
	Berlin	29.54	21	SSW	2	b	29.46	+.15	30	29	+ 5	WNW	4	O	*	b	*	30	19	0.51
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	29.84	23	SW	6	b	29.86	+.24	24	23	- 1	SW	4	b	*	b	*	27	23	-
	The Helder ...	29.41	34	WNW	8	S	29.62	+.22	36	35	+ 5	W	6	r	2	S	*	36	31	0.16
Belgium.	Brussels ...	*	*	*	*	*	29.85	+.17	25	24	- 1	SW	3	b	*	b	*	32	24	-
	Cape Gris Nez...	29.74	35	NW	6	bc	29.81	+.13	33	32	+ 1	NW	4	b	4	bc	*	37	28	-
	Paris	29.91	32	WSW	2	bc	29.95	+.07	25	25	- 7	SW	2	bc	*	bc	*	38	†23	0.08
	Brest	29.99	44	NW	2	bc	29.95	-.07	38	37	- 6	NE	1	c	2	bc	*	46	34	0.16
	Lorient... ...	29.99	45	NW	3	c	29.96	-.01	35	34	- 8	E	3	S	2	c	*	48	35	-
France &	Rochefort ...	30.07	46	WNW	3	O	29.95	-.14	45	43	+ 1	SSW	3	r	*	O	*	50	39	0.16
	Belfort	29.89	29	W	6	O	29.99	+.22	26	26	- 2	W	3	O	*	O	*	32	26	-
	Lyons	30.08	34	NNE	1	S	30.03	+.02	32	31	- 4	SSW	1	S	*	S	*	45	31	0.12
	Nice	29.78	45	W	5	b	29.79	+.06	41	35	- 1	WSW	5	b	4	b	*	55	39	-
	Perpignan ...	30.08	50	NW	5	b	30.08	-.02	47	41	- 1	SW	2	b	*	b	*	58	44	-
	Biarritz ...	30.15	51	W	6	r	30.04	-.10	46	45	- 1	SW	4	O	3	r	*	51	45	0.39
Peninsula.	Corunna ...																*			
	Lisbon	30.36	46	NNW	2	b	30.33	-.06	42	41	+ 2	NNE	2	O	*	b	*	50	40	-
	Azores (P. Delgada)	30.21	57	NNW	1	bc	30.26	+.16	56	53	- 3	NW	4	b	2	bc	*	64	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 2.1 hrs; Brighton 6.7 hrs; Hastings 6.8 hrs; Eastbourne 6.7 hrs.

WEATHER CHARTS

FOR Wednesday 27th January 1897.

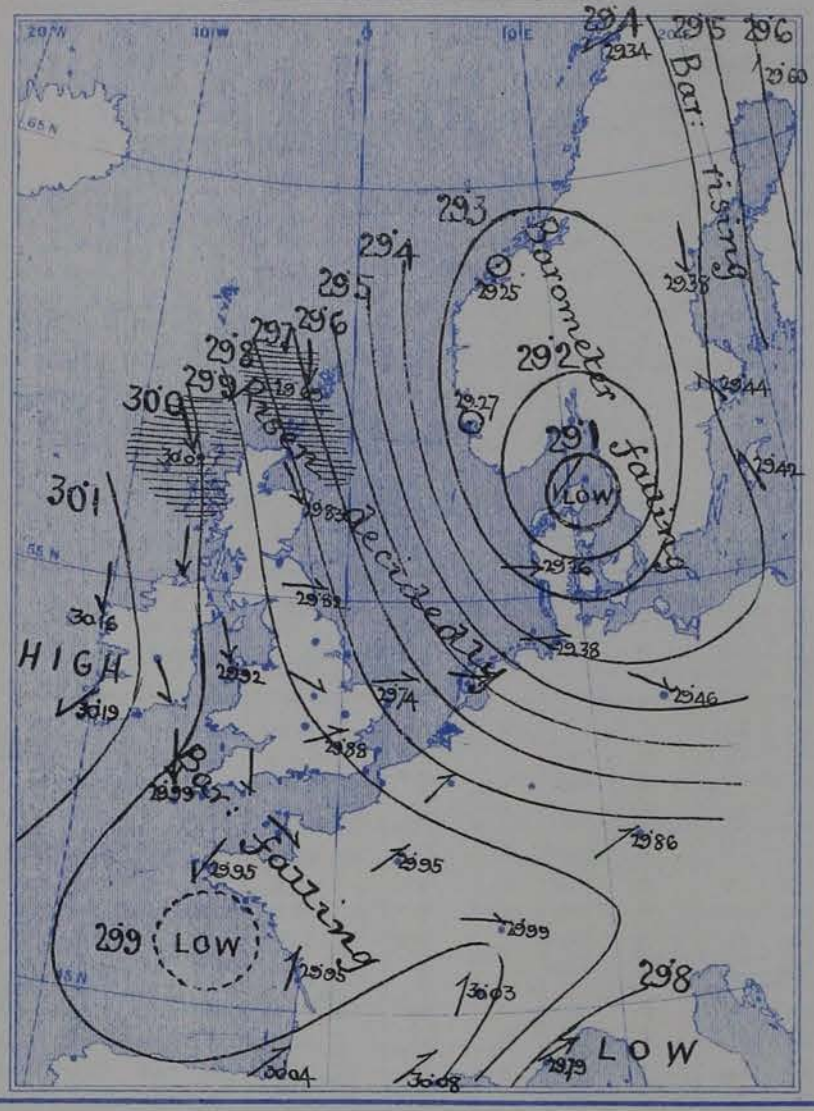
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ≡ ; High ▰


20°W
10°W
0
10°E
65°N
55°N
Barometer falling decidedly
Barometer rising
HIGH
LOW
LOW
Rain
Rain
Squalls
Squalls
Squalls

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards, in an anticyclone lying to the southwestward of the Spanish Peninsula.
Lowest, 29·1 in: and less, in a depression having its centre over the north of Denmark.
Gradients rather steep over the North Sea, but moderate or slight elsewhere.
Barometer falling a little in Norway and Denmark, as well as at many of the French stations, but rising in most other parts of our area.

TEMPERATURE

Highest, (1) 47° at Perpignan, 46° at Biarritz, 45° at Rochefort, and 44° at Lisbon; (2) 41° at Malin Head, and 39° at Donaghadee and Holyhead.
Lowest, 6° at Karlstad, 9° at Stockholm, 15° at Hernösand and 18° at Haparanda; lowest in our Islands 25° at Oxford and 26° at Dungeness.
Sharp frost was again experienced last night in many parts of the United Kingdom, the lowest readings reported being:— In the screen 23° at Dungeness, and 24° at York, Cambridge and Yarmouth; (2) On the grass 19° in London and 21° at Loughborough.

WIND

Fresh to strong from the NW^{n} or Nrd on all our more westerly and northern coasts; light from the Wrd over the greater part of England, and strong from the same quarter over the southern part of the North Sea.
Light to moderate from the SW^{n} over France and Belgium; calm in the west of Norway; variable in Sweden.

WEATHER

Fine over the greater part of the United Kingdom, but dull in the north of Scotland, and showery at one or two of our western stations.
Dull over the western parts of the Continent generally, with snow at several of the French and Scandinavian stations, and with rain at Rochefort; fine in the extreme south of France.
Hail or snow fell yesterday in the west and extreme north of our Islands, as well as at several of the Continental stations.

SEA

Moderate or slight generally, but rough off the north of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is still rather unsettled. The depression over Denmark is apparently growing deeper, while a new disturbance is forming over the Bay of Biscay, so that changeable weather is likely to continue in most districts.

FORECASTS

For the 24 hours ending at NOON on 28th JAN^{y} 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^{n} to Nrd winds, strong in places; squally, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW^{n} and Nrd winds, moderate or fresh; fine at first, doubtful later, probably some snow showers.
6	SCOTLAND WEST	Nrd winds, moderate or fresh; changeable, some cold showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Nrd to NE^{ly} winds, fresh; fine at first, some snow later.
9	IRELAND NORTH	Same as Nos 6 and 7.
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 ...	29·26	29	28	S	4	s	3
Sumburgh Head	29·33	36	34	NNW	3	c	4
Stornoway	29·63	42	32	NNW	4	o	5
Aberdeen	29·48	31	29	NNW	7	bcqu	6
Shields	29·57	31	31	W	4	o	3
Ardrossan	29·63	35	34	NW	4	b	3
Malin Head ...	29·74	35	33	WNW	6	bc	4
Belmullet	29·92	35	34	NW	4	os	*
Holyhead	29·80	36	33	WNW	5	c	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·98	41	36	NW	4	c	4
Scilly	29·96	42	39	NNW	4	cnp	3
Jersey	29·93	42	38	W	4	c	3
Hurst Castle ...	29·85	38	34	W	5	c	3
Dungeness ...	29·73	36	35	W	5	b	4
North Foreland	29·69	33	32	W	6	b	5
London (Westminster)	29·75	37	34	WNW	4	bc	*
Yarmouth ...	29·52	32	31	WNW	6	bcq	4
Rochefort ...	30·09	49	49	SW	1	o	*

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

Weather in morning fine at most of the English stations, as well as over the Netherlands, Spain, northern Italy, and the extreme south of France, cloudy or dull in nearly all other parts of Europe, with snow in the north of Ireland and the northeast of Scotland, as well as at several of the Swedish, Russian and German stations. Showers of hail or snow falling later in the west and extreme north of our Islands generally, and also over the western parts of the Continent.

Temperature fallen in England and Ireland and also in Norway, but risen in most other countries, rapidly over northern Russia. Morning readings highest 52° at Palma, 51° at Malta, 50° at Cagliari, 47 at Biarritz, Algiers, and Constantinople. Lowest 1° at Haparanda, 5° at Aletangel, 6° at Hernosand, and 8° at Stockholm; considerably below the freezing point in most parts of northern and central Europe, and slightly below it in our Islands. Daily maxima below 35° in several parts of Great Britain, thermometer exceeding 50° in the south of France and reaching 58° at Perpignan. Sharp frost occurring over our Islands at night.

Wind W[1] or NW[1] over the greater part of western and central Europe, and strong in force on our own northwest, north and east coasts. SW[3] or S[3] over Eastern Germany and the Baltic Provinces; E[1] or NE[3] over the extreme northern parts of Russia and Scandinavia; N[1] in Sweden, calm in Denmark. Rather variable over Spain and Italy, but chiefly W[1] in the latter country. No important change occurring over Western Europe during day.

Barometer highest, 30·4 in: and upwards in an anticyclone over Spain. Lowest 29·1 in: and less, in a depression over the southern part of the Gulf of Bothnia; 29·2 in: and less, in another disturbance over the North Sea. Latter disturbance beginning to fill up later, and barometer rising in most parts of our Islands and 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.

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	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		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 ...	29.88	23	SE	2	S	30.25	+.65	21	20	- 3	S	0	bc	*	S	*	30	12	0.04
	Hernösand ...	29.65	25	SE	6	S	29.79	+.40	25	25	+ 10	NE	6	S	*	S	*	27	10	0.16
	Stockholm ...	29.69	24	NE	2	S	29.60	+.16	27	26	+ 18	E	2	O	*	S	*	27	3	0.08
	Wisby	29.53	28	SSE	4	O	29.43	+.01	28	27	+ 9	SE	6	S	*	O	*	28	18	0.16
	Karlstad	29.45	15	NNE	2	S	29.59	+.24	21	20	+ 15	NNE	2	O	*	S	*	*	*	0.04
	Bodö	29.74	27	ESE	6	O	29.91	+.57	27	25	+ 4	ESE	4	O	2	O	*	27	19	-
	Christiansund ...	29.38	25	ESE	3	b	29.60	+.35	28	26	+ 3	WSW	3	C	4	b	*	28	21	-
	Skudesnaes ...	29.38	37	NW	10	O	29.58	+.31	32	29	+ 5	C	2	O	4	c, o	*	37	19	*
	Færder (Christiania Fjord)	29.45	17	NNE	5	b	29.57	+.42	22	21	+ 4	N	6	O	3	b	*	?	16	-
	Skagen (The Scaw)	29.43	21	NE	3	O	29.50	+.41	26	25	- 3	NE	4	O	1	O	*	29	23	0.04
	Fanö	29.43	34	NW	6	O	29.41	+.15	34	33	+ 2	WNW	6	O	*	O	*	34	27	0.08
British Islands	Sumburgh Head	29.81	33	N	7	O	29.85	+.16	33	30	- 2	NNW	6	O	7	sp. c. o	*	35	30	-
	Stornoway ...	30.17	35	N	4	O	30.16	+.14	35	33	- 1	N	5	S	6	sp. c. o	3.5	38	27	0.25
	Wick	29.98	34	NW	7	O	29.97	+.14	33	33	- 1	NW	7	O	6	o s	*	37	30	0.15
	Nairn	30.09	35	WNW	4	O	30.10	+.19	33	32	- 4	WNW	2	O	3	O	*	38	31	0.02
	Aberdeen ...	30.00	32	NW	6	o q s p	30.00	+.17	31	30	- 5	NW	7	c q	6	c. q. s p	2.2	37	30	0.12
	Leith	30.09	36	NW	2	b	30.08	+.20	35	32	- 1	NW	2	c	*	b	*	43	32	-
	Shields	30.02	35	NW	4	S	30.04	+.22	33	33	- 1	WSW	3	c s p	3	bc, s	*	39	30	0.01
	Spurn Head ...	29.95	35	NW	5	o s p	29.98	+.22	33	33	0	NNW	4	c	5	o s p. r	*	36	32	-
	York	30.02	35	NW	2	b	30.06	+.22	34	33	+ 4	NW	1	bc	*	b	3.4	40	29	-
	Loughborough ...	30.07	32	NNW	1	b	30.12	+.27	30	29	+ 2	NNW	2	c	*	bc, c, bc	*	39	27	-
	Ardrossan ...	30.12	36	NW	3	b	30.11	+.16	38	34	+ 2	NW	4	b	2	b	*	41	35	-
	Malin Head ...	30.22	40	NNW	5	c p	30.21	+.18	40	39	- 1	NNW	6	o q r	4	bc. c p	*	41	36	0.06
	Belmullet ...	30.36	40	NNE	3	b	30.38	+.22	42	39	+ 4	NNW	2	O	*	b	*	44	35	0.03
	Donaghadee ...	30.19	40	NNW	6	c	30.20	+.24	36	36	- 3	NNW	6	C	5	c	*	43	35	0.06
	Liverpool (Bidston)	30.13	36	NW	3	b	30.14	+.24	36	34	+ 1	WNW	4	b	4	b	*	39	34	-
	Holyhead ...	30.16	41	N	4	c	30.22	+.30	39	38	0	WNW	5	c	4	bc. c	*	42	36	-
	Parsonstown ...	30.30	34	S	0	b	30.36	+.27	33	32	+ 5	N	1	bc	*	b	5.6	42	28	-
	Valencia ...	30.36	41	NNE	1	b	30.40	+.21	38	36	+ 3	S	0	O	1	q bv, b	7.0	45	31	-
	Roche's Point ...	30.29	40	NNW	3	b	30.40	+.29	36	34	+ 4	NW	3	b	3	b	*	43	31	-
	Pembroke (St. Ann's Hd.)	30.19	39	N	5	c	30.29	+.28	39	36	+ 3	NW	5	b	4	c	5.0	43	36	-
	Scilly	30.19	43	N	4	bc	30.31	+.32	43	39	+ 2	NNW	5	c	3	b, q p, bc	6.7	44	37	0.01
	Prawle Point ...	30.14	35	NW	2	b	30.28	+.29	32	32	+ 1	NNW	3	bc	2	b	*	44	29	-
	Jersey (St. Aubin's)	30.09	39	NNW	3	bc	30.24	+.28	39	36	+ 2	NNW	3	c m	3	r s p, bc	*	42	35	0.04
	Hurst Castle ...	30.08	35	WNW	2	b m	30.19	+.26	32	32	+ 1	WNW	3	b c m	2	b m	*	40	30	-
	Dungeness ...	29.96	35	WNW	2	m	30.09	+.23	26	26	0	WNW	3	bc	2	b, m	*	38	21	-
	North Foreland	29.96	36	W	4	bc	30.07	+.24	32	31	+ 4	NW	5	bc	4	b, bc	*	36	27	-
	London (Brixton) ...	30.03	38	NNW	3	c	30.13	+.25	32	31	+ 5	NW	2	c	*	b, c, b	2.6	39	27	-
	Oxford	30.15	33	NW	2	O	30.16	+.24	32	31	+ 7	WNW	3	c	*	b, o, m	*	38	25	-
	Cambridge ...	30.03	35	NNW	3	O	30.09	+.25	32	31	+ 3	NW	2	O	*	b, o	4.5	39	27	-
	Yarmouth ...	29.89	35	NW	5	c q p s h	29.96	+.22	33	32	+ 1	NW	5	bc	4	c q p s h	*	36	25	0.08
Germany & Holland	Cuxhaven ...	29.47	32	NW	3	O	29.58	+.20	34	34	+ 2	W	3	O	*	r. o	*	36	30	-
	Berlin	29.54	32	W	4	O	29.62	+.16	33	32	+ 3	W	5	O	*	O	*	39	30	0.16
	Wiesbaden ...	*	*	*	*	*	29.94		31	30		SW	2	S	*	*	*	32	28	-
	Munich	29.89	22	SW	4	b	29.95	+.09	21	21	- 3	W	6	S	*	b	*	30	18	-
	The Helder ...	29.77	37	NW	4	b	29.83	+.21	34	33	- 2	NNW	4	bc	2	b	*	39	34	0.08
Belgium. France &	Brussels ...	*	*	*	*	*	30.02	+.17	31	30	+ 6	W	5	S	*	C	*	34	24	-
	Cape Gris Nez ...	29.93	37	N	4	m	30.04	+.23	32	32	- 1	NNW	5	m	5	m	*	39	30	-
	Paris	30.03	31	WNW	2	c	30.15	+.20	30	29	+ 5	WNW	2	m	*	c	*	38	25	0.04
	Brest	30.15	38	NNE	2	c	30.31	+.26	37	36	- 1	NNE	2	c	3	c	*	45	34	-
	Lorient	30.16	40	N	4	O	30.28	+.32	39	37	+ 4	NNW	3	bc	3	O	*	46	30	0.24
	Rochefort ...	30.15	37	ENE	4	b	30.32	+.37	38	37	- 7	NNW	4	c	*	b	*	48	36	0.39
	Belfort	29.94	23	W	1	b	30.09	+.10	23	23	- 3	W	2	m	*	b	*	30	17	-
	Lyons	29.99	29	N	1	S	30.18	+.15	25	24	- 7	NE	1	O	*	S	*	35	22	0.28
	Nice	29.74	45	W	6	c	29.81	+.02	37	30	- 4	S	0	b	3	C	*	57	36	-
	Perpignan ...	29.86	48	SW	1	r	30.16	+.08	34	30	- 13	SSE	2	c	*	r	*	56	34	0.04
	Biarritz ...	30.04	45	N	5	r	30.25	+.21	39	31	- 13	SE	3	b	4	r	*	50	32	0.16
Peninsula.	Corunna ...																*			
	Lisbon	30.20	50	SSE	3	O	30.13	-.20	43	43	+ 1	ENE	4	r	*	O	*	54	42	0.28
	Azores (P. Delgada)	30.32	55	NE	2	b	30.35	+.09	54	51	- 2	NW	3	b	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 5.2 hrs; Brighton 5.9 hrs; Hastings 7.1 hrs; Eastbourne 7.4 hrs.

WEATHER CHARTS

FOR Thursday, 28th January, 1897.

BAROMETER, WIND AND SEA.

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

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

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

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

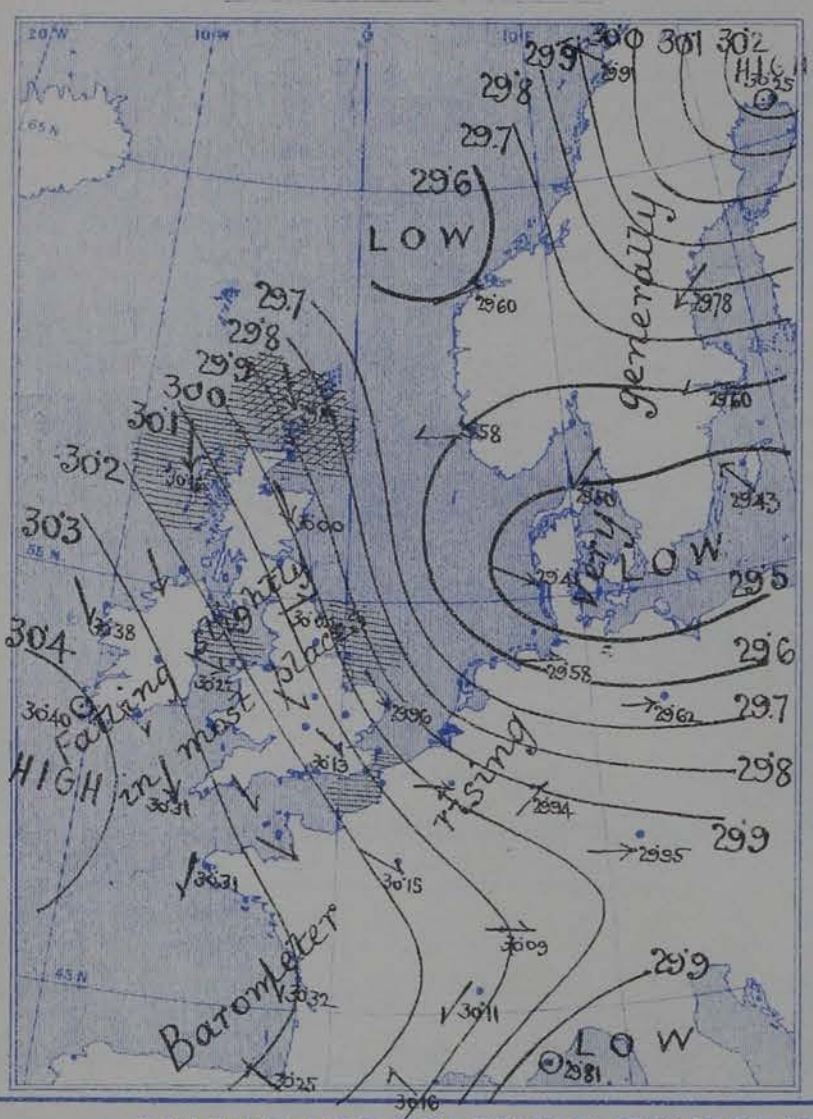
SEA—*Rough* ▤ ; *High* ▨

TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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 · 676	39 · 4	38 · 0	42 · 5	35 · 2	51	1880, 82, 87	19	1881	3 · 85	—	—
Stornoway	29 · 688	39 · 1	38 · 2	42 · 9	34 · 0	55	1890	11	1881	5 · 17	29 · 2	13
Wick	29 · 715	37 · 9	36 · 6	42 · 0	32 · 9	57	1889	— 4	1881	2 · 24	—	—
Nairn	29 · 744	36 · 9	35 · 4	42 · 0	32 · 2	59	1887	5	1881, 95	1 · 98	—	—
Aberdeen	29 · 786	36 · 9	35 · 2	42 · 0	32 · 8	58	1889, 92	4	1881	2 · 38	52 · 6	23
Leith	29 · 821	38 · 2	36 · 7	43 · 9	33 · 3	57	1872, 80, 88,	9	1881	1 · 78	—	—
Shields	29 · 871	37 · 7	36 · 5	42 · 7	33 · 5	58	1880	6	1881	1 · 72	—	—
Spurn Head	29 · 911	37 · 3	36 · 3	41 · 2	34 · 0	54*	1884, 88	13*	1881	1 · 38	—	—
York	29 · 922	36 · 2	35 · 2	42 · 2	31 · 9	58	1872	3	1881	1 · 84	30 · 2	12
Loughborough	29 · 958	35 · 8	34 · 8	42 · 5	31 · 7	57*	1888, 94	2*	1881	2 · 01	—	—
Ardrossan	29 · 834	39 · 5	38 · 4	43 · 7	35 · 7	53	1873, 75, 92	12	1881	3 · 89	—	—
Malin Head	29 · 795	40 · 6	39 · 0	45 · 0	37 · 6	—	--	—	—	—	—	—
Belmullet	29 · 830	42 · 3	41 · 0	46 · 4	38 · 7	—	—	—	—	5 · 48	—	—
Donaghadee	29 · 854	39 · 7	38 · 9	44 · 2	35 · 8	55	1875, 80, 89, 92	20	1894	2 · 90	—	—
Holyhead	29 · 897	41 · 3	40 · 0	45 · 1	38 · 2	55	1873	20	1894	3 · 26	—	—
Liverpool	29 · 918	38 · 1	36 · 5	43 · 0	34 · 7	57	1877, 90	9	1881	2 · 18	—	—
Parsonstown	29 · 895	38 · 3	37 · 3	45 · 0	33 · 6	57	1880	6	1881, 94	2 · 99	50 · 8	21
Valencia	29 · 894	44 · 0	42 · 7	49 · 0	39 · 8	56	1876, 78	20	1894	6 · 31	56 · 1	22
Roche's Point	29 · 969	42 · 7	41 · 4	47 · 3	38 · 9	57	1889	20	1894	5 · 33	—	—
Pembroke	29 · 932	42 · 2	40 · 8	45 · 1	39 · 0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3 · 71	53 · 6	21
Scilly	29 · 960	46 · 0	44 · 4	48 · 5	42 · 3	55	1875, 76, 77, 82, 83, 90	25	1894	3 · 63	—	—
Prawle Point	29 · 991	41 · 3	40 · 3	45 · 7	37 · 0	56*	1883, 95	17*	1881	2 · 92	—	—
Jersey	30 · 012	41 · 5	40 · 0	45 · 6	37 · 9	57	1877	12	1891	3 · 21	71 · 2	27
Hurst Castle	29 · 991	39 · 6	38 · 8	44 · 4	35 · 6	56	1876, 83, 90,	15	1881	2 · 86	—	—
Dover	29 · 992	38 · 4	37 · 4	42 · 9	34 · 7	55	1878	11	1893	2 · 47	—	—
LONDON	29 · 991	37 · 1	36 · 0	43 · 4	33 · 2	58	1876	9	1881	2 · 06	19 · 3†	8†
Oxford	29 · 987	36 · 4	35 · 4	42 · 5	32 · 9	56	1877, 90	7	1881	2 · 16	47 · 1	19
Cambridge	29 · 979	35 · 6	34 · 8	42 · 7	30 · 9	59	1878, 80	4	1881	1 · 52	49 · 8	20
Yarmouth	29 · 960	37 · 0	36 · 1	40 · 9	33 · 0	55	1878, 84	10	1881	1 · 96	—	—

* 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, 30·40 ins. at Valencia (Ireland) and Roche's Point; 30·2 ins. and upwards in an anticyclone extending from the Atlantic over the western parts of our Islands and France generally, and also in another system over Lapland.
Lowest, 28·4 ins. and less, in a depression over Denmark; 29·6 ins. and less, in another system off the west of Norway; 29·8 ins. and less over the Gulf of Genoa.
Gradients rather steep over the North Sea and also over the northern parts of Scandinavia, but moderate or slight elsewhere.
Barometer inclined to fall in many parts of the United Kingdom, but rising at the Continental stations.

TEMPERATURE

Highest, 43° at Scilly, 42° at Ushant, 40° at Malin Hd. and 39° at Holyhead, Pembroke, Jersey and Lorient.
Lowest, (1) 21° at Hoparanda and Karlstad, and 22° at Haparanda; (2) 21° at Munich and 23° at Belfast; lowest in our Islands 26° at Dungeness.
Frost occurred last night in many parts of the United Kingdom; at Loughborough the thermometer on the grass fell to 21°.

WIND

NW^{3} over northwestern Europe as a whole, and strong in force on many parts of our north and northwest coasts.
NE^{3} or E^{3} over the greater part of Scandinavia and the north of Denmark; W^{3} over Germany and the Netherlands.

WEATHER

Rather variable, fine in many parts of Ireland, England, and France, but cloudy over western Europe generally, with rain or snow at a few of our own northern stations.
Snow is falling in several parts of Sweden and Germany, as well as at Brussels.
During the past 24 hours snow or hail has fallen in many parts of our area, and rain in the south of France.

SEA

High at Leinburgh Head, rough off the north of Scotland generally, and rather rough at Spurn Hd and Donaghadee.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any decided change in the weather. The slight fall in the barometer over our Islands is greatest in the north, and it is not unlikely that small depressions will shortly form in that region.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^{3} winds, strong in places; squally, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW^{3} winds, moderate or fresh; changeable, some snow showers.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	Same as No. 5
	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 ...	29.34	37	35	NW	8	c	4
Sumburgh Head	29.36	34	32	N	6	c	6
Stornoway	30.11	36	35	N	4	c	5
Aberdeen	29.94	33	32	NW	6	bcgsp	5
Shields	29.94	38	36	NW	2	bc	3
Ardrossan	30.06	41	37	NW	3	b	2
Malin Head ...	30.17	41	40	NNW	6	bc	3
Belmullet	30.28	43	41	NE	2	b	3*
Holyhead	30.08	42	40	NNW	4	bc	3*
Valencia	30.26	45	41	NNE	3	bv	4
Scilly	30.11	43	40	NNW	5	cp	3
Jersey	30.04	42	38	NNW	3	b	3
Hurst Castle ...	29.99	40	37	NW	4	bm	2
Dungeness ...	29.89	36	34	W	2	b	1
North Foreland	29.90	35	33	W	5	b	4
London (Westminster)	29.94	40	37	NNW	3	o	*
Yarmouth ...	29.80	35	34	NW	4	cmsp	3
Rochefort ...	29.99	36	36	ENE	5	s	*

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

Weather in morning fine over the greater part of the United Kingdom, but dull in the north of Scotland, and showery at one or two of our western stations. Cloudy, and unsettled in most of the Continental countries, with snow at several of the French and Scandinavian stations, as well as at Memel and Archangel; thunderstorm reported at Patras. Fine and bright in the extreme south of France. Snow showers falling later at several of our more northern stations, as well as in the western parts of the Continent and rain in the south of France.

Temperature rising in the north of our Islands, as well as in Scandinavia, Denmark, and northern Russia, falling in most other localities. Morning readings highest 53° at Malta, 52° at Lisbon, and 51° at Sanguinaire and Patras; above 45° at several of the Mediterranean and Adriatic stations. Lowest, 6° at Karlstad, 9° at Stockholm, 14° at Warsaw, 15° at Hernösand. Below the freezing point over northern and central Europe generally, and also over the southern parts of the United Kingdom. Daily maxima below 40° in many parts of Great Britain; thermometer exceeding 50° in the south of France, and reaching 57° at Nice.

Wind fresh to strong from the N. or NW. on our more western and northern coasts; light from the W. over England, and strong from the same quarter over Denmark, Germany, and the Netherlands, S. or SE. over Russia and the Baltic; variable in Sweden, calm in the west of Norway. SW. over the greater part of France, NW. or W. in Italy, variable in Greece and also over the Spanish Peninsula. Subsequently veering to the NW. over England, France, and the Netherlands.

Barometer highest 30.3 in. and upwards in an anticyclone lying over Morocco and the extreme south of Spain. Lowest, 29.1 in. and less, in a depression over the north of Denmark; 29.8 in. and less in another system over the Gulf of Genoa; 29.9 in. and less in a third disturbance over the Bay of Biscay. Depressions over Denmark and Bay of Biscay filling up later; barometer rising generally, and large anticyclone spreading in from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 29th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·15	10	L	0	b	29·99	-·26	19	19	-2	N	2	S	*	b	*	23	7	0·04
	Hernösand ...	29·97	24	NE	4	S	30·03	+·25	19	18	-6	N	6	S	*	S	*	28	19	0·16
	Stockholm ...	29·70	25	ESE	6	S	29·69	+·09	25	25	-2	NE	6	S	*	S	*	28	23	0·35
	Wisby	29·52	28	SE	4	S	29·54	+·11	32	31	+4	SE	4	S	*	S	*	32	18	0·24
	Karlstad ...	29·70	24	NNE	2	0	29·71	+·12	23	22	+2	N	4	0	*	0	*	*	*	-
	Bodö	30·10	24	SE	5	b	30·13	+·22	21	18	-6	NE	2	b	1	b	*	27	18	-
	Christiansund ...	29·78	28	ESE	3	c	29·87	+·27	26	24	-2	ESE	5	b	4	c	*	28	25	-
	Skudesnaes ...	29·73	31	SE	2	0	29·78	+·20	27	26	-5	ESE	2	c	2	5,0	*	32	27	*
	Færder (Christiania Fjord)	29·73	16	NNE	5	0	29·73	+·16	26	25	+4	NNE	5	0	3	0	*	26	?16	*
	Skagen (The Scaw)	29·68	24	NE	4	0	29·66	+·16	26	25	0	NE	4	0	1	0	*	28	23	-
	Fanö	29·67	28	NNE	1	c	29·65	+·24	25	24	-9	NNW	1	c	*	c	*	34	23	-
	Sumburgh Head	29·83	35	NNW	5	0	29·78	-·07	35	34	+2	N	2	0	5	c sp. 0	*	37	30	0·05
	Stornoway ...	30·15	34	N	4	0	29·93	-·23	33	33	-2	NNW	2	0	3	c sp. 0	0·9	35	30	0·11
	Wick	29·99	32	NE	5	0	29·81	-·16	33	33	0	NW	3	c	2	0	*	35	29	0·05
	Nairn	30·08	34	NNW	3	0	29·91	-·19	31	30	-2	NNW	1	bc	1	0	*	35	28	-
	Aberdeen ...	29·99	34	NW	4	0 q s	29·88	-·12	32	31	+1	NNW	4	c q s	5	c q s	2·5	34	31	0·07
British Islands.	Leith	30·07	35	NNW	3	0	29·93	-·15	30	29	-5	NNW	2	b m	*	0	*	37	29	-
	Shields	30·02	35	NW	3	0	29·90	-·14	30	30	-3	NNW	2	b	3	0	*	38	29	-
	Spurn Head ...	29·93	35	NNW	5	c	29·85	-·13	33	33	0	NNW	5	0	5	c	*	35	32	-
	York	30·04	35	NW	1	c	29·93	-·13	29	29	-5	NNW	1	bc	*	c	2·2	37	28	-
	Loughborough ...	30·08	32	NW	2	b	29·98	-·14	31	29	+1	W	2	c	*	c. 0, bc. 0	*	35	30	-
	Ardrossan ...	30·11	37	NW	3	c	29·92	-·19	33	32	-5	L	0	cf	0	b, c	*	40	32	-
	Malin Head ...	30·19	40	NNW	6	c q p	29·95	-·26	40	40	0	SSW	3	f	2	0. q p	*	41	37	0·05
	Belmullet ...	30·33	43	NNW	3	c	30·04	-·34	42	41	0	NNW	2	0	*	c	*	44	38	0·07
	Donaghadee ...	30·16	40	NW	7	c	30·00	-·20	36	36	0	NNW	5	0	3	c	*	41	35	0·08
	Liverpool (Bidston)	30·11	36	NW	2	0	29·98	-·16	35	33	-1	NW	2	0	2	o p	*	38	34	0·03
	Holyhead ...	30·16	39	NNW	7	o q p	30·00	-·22	40	38	+1	NNW	5	c	4	q p. c. q p	*	41	36	0·03
	Parsonstown ...	30·29	37	W	1	b	30·05	-·31	36	35	+3	W	0	0	*	c. b	3·4	42	32	0·04
	Valencia ...	30·38	44	NW	3	c	30·07	-·33	43	41	+5	S	2	c	3	c	1·4	46	36	0·01
	Roche's Point ...	30·31	43	NNW	4	b	30·10	-·30	38	36	+2	W	1	0	3	b	*	45	36	-
	Pembroke (St. Ann's Hd.)	30·20	41	NNW	5	b	30·07	-·22	41	40	+2	NW	4	p q	4	b	3·2	42	39	0·04
	Scilly	30·26	42	NW	5	c p	30·12	-·19	44	41	+1	NW	4	c	3	c. c p	3·6	45	39	0·03
	Prawle Point ...	30·16	37	NNW	4	c	30·09	-·19	35	34	+3	NW	3	c	2	c p	*	45	32	0·02
	Jersey (St. Aubin's)	30·16	41	NNW	3	c	30·09	-·15	38	37	-1	NNW	2	c m	2	p r h s, c. q	*	43	36	0·10
	Hurst Castle ...	30·10	36	NNW	2	b c	30·04	-·15	36	34	+4	W	3	o m	2	r s p. b c	*	41	31	0·03
	Dungeness ...	30·03	34	NNW	3	c	29·95	-·14	23	23	-3	NNW	3	c	2	c	*	37	21	-
	North Foreland	30·01	33	NW	3	c	29·93	-·14	32	31	0	W	3	c	2	c	*	35	30	-
	London (Brixton) ...	30·07	35	NW	3	0	29·99	-·14	33	32	+1	NNW	2	o q m	*	bc, 0. b	0·1	38	28	-
	Oxford	30·09	34	NNW	2	0	30·01	-·15	33	31	+1	W	1	0	*	c., s p	*	38	31	-
	Cambridge ...	30·05	32	NW	3	b c	29·96	-·13	29	28	-3	NW	3	b	*	b c	1·1	39	27	-
	Yarmouth ...	29·92	32	NNW	5	s q	29·86	-·10	33	32	0	NNW	5	c q q	4	q s p	*	34	30	0·11
Germany & Holland.	Cuxhaven ...	29·64	27	N	3	c	29·62	+·04	26	26	-8	N	2	0	*	c, s p	*	34	25	0·20
	Berlin	29·57	32	SW	4	S	29·64	+·02	26	25	-7	W	2	0	*	S	*	36	25	0·16
	Wiesbaden ...	*	*	*	*	*	29·80	-·14	31	30	0	SW	3	S	*	*	*	37	30	0·04
	Munich	29·91	23	SW	5	b	29·87	-·08	23	22	+2	W	6	b	*	b	*	28	21	0·04
	The Helder ...	29·77	37	NW	3	b c	29·71	-·12	33	32	-1	NNE	2	b c	1	b c	*	37	33	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·88	-·14	31	27	0	WSW	5	0	*	S	*	35	31	-
	Cape Gris Nez ...	29·99	36	N	4	0	29·91	-·13	34	32	+2	N	5	0	5	0	*	37	30	-
	Paris	30·11	34	NNW	2	0	30·00	-·15	32	31	+2	NNW	2	0	*	0	*	39	30	-
	Brest	30·27	40	N	3	c	30·17	-·14	40	39	+3	NNE	2	r	2	c	*	45	34	0·16
	Lorient	30·26	41	NNW	4	c	30·15	-·13	41	39	+2	NNW	3	c	2	c	*	46	32	-
France &	Rochefort ...	30·20	43	NW	4	0	30·17	-·15	43	41	+5	NW	4	0	*	b, 0	*	45	38	-
	Belfort	30·06	27	SW	2	S	29·99	-·10	24	24	+1	WSW	1	S	*	S	*	28	23	0·08
	Lyons	30·18	28	N	1	S	30·10	-·08	22	21	-3	W	1	S	*	S	*	32	21	0·08
	Nice	29·59	36	WSW	1	c	29·91	+·10	31	29	-6	L	0	b	3	c	*	46	30	-
	Perpignan ...	30·19	40	NW	4	b	30·13	-·03	38	33	+4	NW	2	0	*	b	*	43	34	-
	Biarritz ...	30·18	41	WSW	2	0	30·16	-·09	37	35	+4	S	3	0	2	0	*	45	33	0·20
Peninsula	Corunna ...																*			
	Lisbon	30·12	49	NNE	5	b c	30·19	+·06	41	36	-2	NNE	5	b	*	b c	*	50	41	0·04
	Azores (P. Delgada)	30·40	54	NNW	3	b c	30·41	+·06	53	50	-1	NNW	3	b	2	b c	*	61	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 1·6 hrs; Brighton 2·1 hrs; Hastings 3·3 hrs; Eastbourne 2·7 hrs.

WEATHER CHARTS

FOR Friday, 29th January, 1897.

BAROMETER, WIND AND SEA.

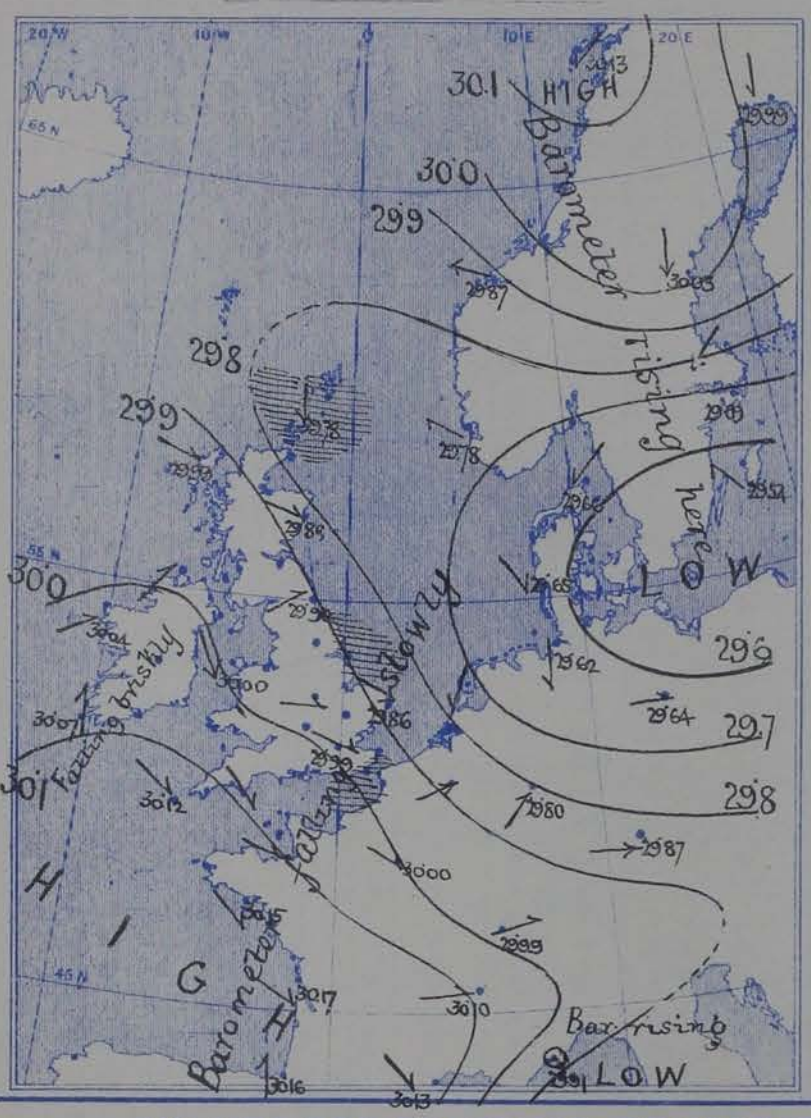
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▤



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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

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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and upwards over the Spanish Peninsula, the Bay of Biscay, the west of France and our own extreme southwest coasts, and also over the extreme north of Norway.
Lowest, 29·6 ins: and less, in a shallow depression over the Baltic and the extreme south of Sweden.
Gradients slight. Barometer falling at all but the Scandinavian stations, – rather briskly in the west of Ireland.

TEMPERATURE

Highest, 44° at Scilly, 43° at Valencia (Ireland) and Rockfort, 42° at Belmullet, 41° at Pembroke, Lorient, and Lisbon.
Lowest, (1) 19° at Haparanda and Hernösand and 21° at Bodö: (2) 22° at Lyons and 23° at Munich; lowest in our Islands 23° at Dungeness.
Frost occurred last night in many parts of the United Kingdom; in most places it was slight, but at Dungeness the sheltered thermometer fell to 21°.

WIND

Light to fresh from the NW. or W. over Great Britain and France, but SW.^{1} or S.^{3} in the west of Ireland.
Moderate to strong from between N. and E. in Scandinavia; W. or SW.^{1} in Belgium and Germany.

WEATHER

Fair or fine in most parts of Great Britain, but snow still falling at Aberdeen.
Dull in Ireland as well as at most of the Continental stations, with snow in Sweden and also at Wiesbaden, Belfort, and Lyons.
Snow or sleet fell yesterday in many parts of our area, but the quantity was as a rule slight.

SEA

Moderate or slight generally, but rather rough at Leinburgh Head, Aberdeen, Spurn Head, and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is becoming rather complex. A depression is evidently approaching our Islands from the westward, and is likely to occasion rain or snow in many places, with freshening winds from the southward.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind backing to the S.2nd or SE.2nd; fine at first, some snow later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	W.4th to SW.4th winds, freshening; cloudy, unsettled, some snow or sleet.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 to 2
7	ENGLAND N.W.	Wind backing to the SW.2nd or S.2nd; cloudy, unsettled, some rain.
8	ENGLAND S.W.	
9	IRELAND NORTH	S.4th and SW.4th winds, increasing in force; cloudy, unsettled, some rain.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·70	31	29	SSE	4	s	4	Valencia	30·42	45	40	NNW	3	c	4
Sumburgh Head	29·86	35	32	NNW	6	c	7	Scilly	30·31	44	41	NW	4	c	3
Stornoway	30·18	35	34	N	4	o	5	Jersey	30·23	43	39	NW	4	bc	3
Aberdeen	30·01	34	31	NW	7	bcqs	6	Hurst Castle ...	30·13	40	38	NNW	3	c	2
Shields	30·03	36	36	NW	3	o	3	Dungeness ...	30·05	36	34	NNW	3	c	2
Ardrossan	30·11	39	36	NW	5	b	2	North Foreland	30·02	34	33	NW	4	c	4
Malin Head ...	30·22	39	38	NNW	6	o	4	London (Westminster)	30·07	39	36	NW	3	o	*
Belmullet	30·37	43	42	NNW	3	c	*	Yarmouth ...	29·94	34	32	NNW	4	cqs[2]hp	4
Holyhead	30·17	41	38	NW	6	c	5	Rochefort ...	30·25	43	41	NW	3	b	*

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

Weather in morning fine in many parts of England, Ireland, and France, but rainy in the extreme north of Ireland. Dull and unsettled in nearly all other countries, with snow in the Hebrides, as well as in Belgium, western Germany, and many parts of Sweden and Russia. Rain falling at some of the Mediterranean and Adriatic stations and also at Lisbon, but weather fine in the extreme south of France. Snow or sleet showers falling later at many of our own western, southern, and extreme northern stations, as well as in Sweden, Germany and France.

Temperature fallen in the north of our Islands and also in Russia and the south of France, risen in most other localities. Morning readings highest 54° at Malta, 53° at Palermo, 52° at Brindisi, and 51° at Naples and Sangiovanies. Lowest (1) 14° at Kiew, and 15° at Libau and Nicolaieff; (2) 21° at Munich and 23° at Belfast; lowest in our Islands 26° at Dungeness. Daily maxima below 40° in many parts of Great Britain and below 35° at some of the northern and eastern stations; thermometer rising to 45° or more in the west and south of France and reaching 50° at Lisbon.

Wind NW[2] over our Islands, France, and the Netherlands, and strong in force on many parts of our north and northwest coasts. Moderate to strong from the W[2] in Germany and Austria; light from the SE[2] in Russia; E[3] or NE[3] at most of the Scandinavian stations. Light from the E[2] or NE[2] in Spain, and fresh to strong from the same quarter over the northern part of Italy and the Adriatic, but moderate from the W[2] or SW[2] over southern Italy. No important change occurring over Western Europe during day.

Barometer highest 30·40 in. at Valencia and Roche's Point, 30·2 in. and upwards in an anticyclone extending from the Atlantic over the eastern parts of our Islands and France generally, and also in another system over the extreme north of Russia. Lowest 29·5 in. and less, in a rather complex depression over Denmark, the Baltic and the south of Sweden; 29·7 in. and less, in another disturbance over the Adriatic. Baltic depression partially filling up later, but barometer falling a little in most parts of our Islands and 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 Saturday, 30th January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·04	16	E	2	o	29·99	·00	12	12	- 1	ENE	2	S	*	o	*	19	3	0·08
	Hernösand ...	29·96	18	N	4	o	29·83	-·20	16	15	- 3	N	6	S	*	o	*	25	16	0·08
	Stockholm ...	29·67	30	E	4	S	29·60	-·09	27	26	+ 2	ENE	2	o	*	S	*	30	23	0·24
	Wisby	29·59	28	SE	4	S	29·52	-·02	26	25	- 6	SE	4	S	*	S	*	32	23	0·32
	Karlstad ...	29·67	23	NNE	6	o	29·62	-·09	23	21	o	N	6	o	*	S, o	*	*	*	-
	Bodö	30·06	21	E	4	b	29·94	-·19	21	17	o	E	4	b	1	b	*	21	18	-
	Christiansund ...	29·82	24	E	4	b	29·72	-·15	24	22	- 2	SE	4	b	3	b	*	27	23	-
	Skudesnaes ...	29·73	25	N	1	b	29·62	-·16	25	23	- 2	E	2	b	1	b	*	31	23	*
	Færder (Christiania Fjord)	29·67	27	N	6	o	29·62	-·11	24	23	- 2	NNE	6	o	3	o	*	27	23	-
	Skagen (The Scaw)	29·58	27	ENE	5	o	29·54	-·12	26	26	o	ENE	4	o	1	o	*	28	25	0·04
	Fanö	29·59	26	NNW	4	o	29·51	-·14	27	26	+ 2	NNW	2	o	*	o	*	28	21	-
British Isles.	Sumburgh Head	29·65	32	NE	1	c	29·48	-·30	30	30	- 5	ENE	1	S	4	b, c	*	37	29	0·08
	Stornoway ...	29·63	33	E	o	o	29·31	-·62	35	32	+ 2	E	4	o	4	c, o	o·o	35	31	0·02
	Wick	29·61	32	NNW	2	o	29·37	-·44	36	35	+ 3	S	3	c	3	o	*	36	23	0·05
	Nairn	29·66	29	E	o	o	29·38	-·53	31	30	o	E	1	o	1	o	*	36	21	-
	Aberdeen ...	29·67	29	W	1	oq	29·41	-·47	28	27	- 4	W	1	oqms	3	bcq, oq	3·0	35	22	0·15
	Leith	29·68	34	W	1	m	29·35	-·58	32	32	+ 2	SE	1	S	*	m, S	*	38	29	0·06
	Shields	29·73	32	W	2	c	29·36	-·54	35	35	+ 5	S	2	om	2	bc, c, S	*	37	29	0·03
	Spurn Head ...	29·73	35	NNW	3	c	29·38	-·47	34	34	+ 1	SSE	3	o	4	c, S	*	36	30	0·07
	York	29·76	32	NNW	1	o	29·38	-·55	33	33	+ 4	SSE	1	f	*	bc, o	4·0	40	27	c 09
	Loughborough ...	29·80	33	SSE	1	o	29·35	-·63	34	34	+ 3	ESE	2	om	*	c, o, om	*	40	29	0·24
	Ardrossan ...	29·66	36	S	1	rm	29·27	-·65	33	32	o	NE	3	f	2	c, r, S	*	38	31	0·14
	Malin Head ...	29·57	39	S	3	om	29·21	-·74	41	41	+ 1	NW	4	r	3	o, rm	*	42	37	0·36
	Belmullet ...	29·51	44	S	4	or	29·40	-·64	43	41	+ 1	NNW	3	c	*	o, or	*	45	38	0·34
	Donaghadee ...	29·67	38	SSW	3	o	29·27	-·73	39	39	+ 3	WSW	3	r	1	o	*	41	36	0·26
	Liverpool (Bidston)	29·73	34	S	1	r	29·30	-·68	35	34	o	SE	2	c	?	bc, r	*	38	34	0·14
	Holyhead ...	29·72	41	SW	3	cm	29·25	-·75	38	37	- 2	SE	1	qmr	o	c, r, qm	*	42	37	0·25
	Parsonstown ...	29·62	42	S	1	r	29·37	-·68	37	36	+ 1	W	2	bc	*	c, or	1·0	46	35	0·51
	Valencia ...	29·55	46	SSE	4	qmr	29·51	-·56	44	41	+ 1	NNW	6	oqp	5	oqp, r	0·4	47	40	0·37
	Roche's Point ...	29·68	45	SW	5	r	29·42	-·68	41	38	+ 3	NW	5	b	4	o, r	*	46	38	0·20
	Pembroke (St. Ann's Hd.)	29·76	44	W	4	o	29·28	-·79	41	39	o	NW	4	r	6	o, r	o·o	? 44	39	0·52
	Scilly	29·85	45	WSW	5	c	29·39	-·73	46	43	+ 2	NW	7	c	4	o, cp	0·3	48	41	0·30
	Prawle Point ...	29·88	41	W	3	c	29·26	-·83	40	39	+ 5	WNW	4	ou	6	p, qr	*	43	35	0·37
	Jersey (St. Aubin's)	29·93	42	NNW	3	ogp	29·36	-·73	44	42	+ 6	W	5	orm	4	ogp	*	44	37	0·24
	Hurst Castle ...	29·84	40	WSW	2	r	29·20	-·84	42	41	+ 6	S	3	cpa	3	om, r	*	42	35	0·17
	Dungeness ...	29·83	32	W	3	o	29·37	-·58	38	37	+ 15	S	3	r	3	c, o	*	38	21	0·04
	North Foreland	29·82	32	W	3	c	29·41	-·52	36	36	+ 4	SSE	3	r	3	b, c	*	36	30	0·03
	London (Brixton) ...	29·82	36	WSW	2	o	29·34	-·65	37	36	+ 4	SE	2	o	*	bc, or	1·0	39	33	0·04
	Oxford	29·76	36	W	2	r	29·29	-·72	36	35	+ 3	ESE	2	r	*	c, r	*	38	33	0·08
	Cambridge ...	29·81	31	WSW	1	bc	29·37	-·59	35	34	+ 6	SE	1	am	*	bc, ms	4·6	39	27	0·03
	Yarmouth ...	29·75	32	NNW	3	bc	29·43	-·43	35	34	+ 2	SSE	3	c	3	c, bc	*	35	27	0·03
Germany & Holland.	Cuxhaven ...	29·63	27	N	1	bc	29·54	-·08	22	22	- 4	SW	1	o	*	bc	*	28	21	-
	Berlin	29·80	25	N	2	S	29·59	-·05	24	23	- 2	W	3	o	*	S	*	28	28	0·04
	Wiesbaden ...	*	*	*	*	*	29·67	-·13	28	27	- 3	SW	2	o	*	*	*	34	28	0·06
	Munich	29·80	24	SW	6	b	29·75	-·12	23	22	o	N	5	o	*	b	*	28	21	-
	The Helder ...	29·65	33	NW	1	bc	29·50	-·21	31	31	- 2	S	1	bc	1	bc	*	?	28	0·12
Belgium.	Brussels ...	*	*	*	*	*	29·56	-·32	30	29	- 1	SE	4	S	*	b	*	35	27	0·04
	Cape Gris Nez ...																*			
	Paris	29·95	34	WSW	1	o	29·59	-·41	34	34	+ 2	SSW	2	o	*	o	*	39	32	0·08
	Brest	29·99	44	W	2	o	29·40	-·68	43	43	+ 3	W	3	c	4	o	*	46	39	0·12
	Lorient	29·99	45	NNW	4	c	29·54	-·61	44	41	+ 3	NNW	5	b	4	c	*	46	?	0·28
France &	Rochefort ...	30·12	44	NW	4	o	29·69	-·48	44	43	+ 1	WSW	6	r	*	c, o	*	46	41	0·32
	Belfort	29·95	25	W	1	o	29·75	-·24	25	24	+ 1	W	1	S	*	o	*	28	23	0·16
	Lyons	30·07	28	NW	1	o	29·89	-·21	26	25	+ 4	S	1	o	*	S, c	*	32	22	-
	Nice	29·88	32	E	o	b	29·84	-·07	32	27	+ 1	ENE	3	c	3	b	*	39	28	-
	Perpignan ...	30·05	43	NW	2	o	29·93	-·20	34	32	- 4	W	1	o	*	o	*	47	32	-
	Biarritz ...	30·09	45	NW	3	r	29·86	-·30	43	37	+ 6	SW	5	o	4	r	*	48	37	0·43
Peninsula.	Corunna ...																*			
	Lisbon	30·21	42	N	3	b	30·19	·00	44	40	+ 3	WNW	2	c	*	b	*	50	41	-
	Azores (P. Delgada)	30·38	57	NNW	3	bc	30·30	-·11	59	57	+ 6	WSW	4	c	3	bc	*	61	?37	0·12

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

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

Bright Sunshine yesterday Southport 0·4 hrs; Brighton 2·5 hrs; Hastings 4·1 hrs; Eastbourne 2·5 hrs.

WEATHER CHARTS

FOR Saturday, 30th January, 1897.

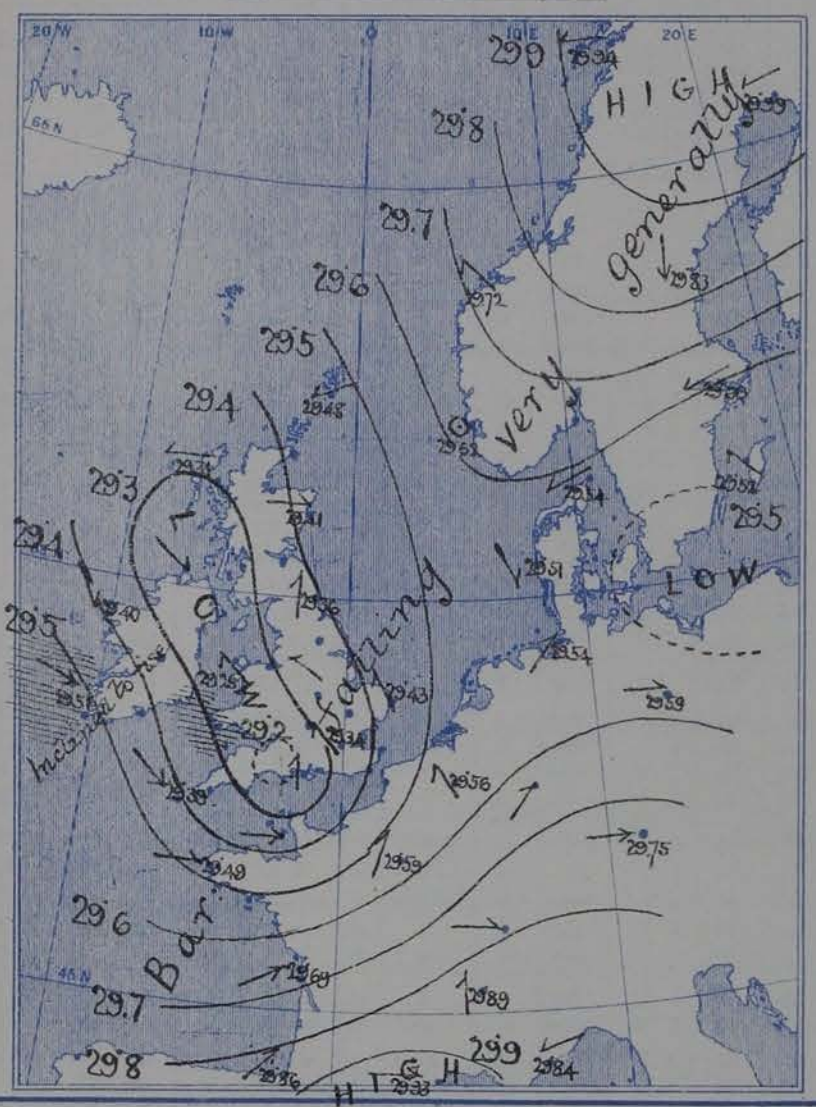
BAROMETER, WIND AND SEA.

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

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

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

SEA—*Rough* ; *High*

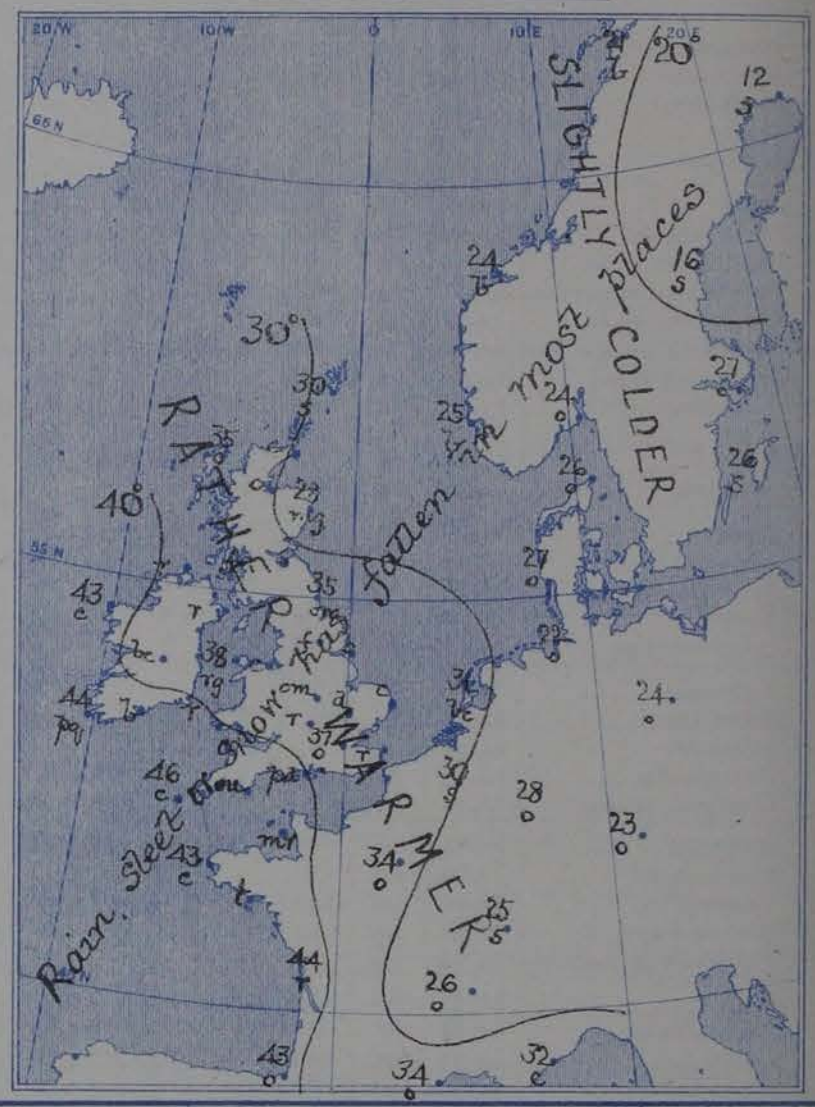


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1681	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·960	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards, in the south of Portugal; 29·9 in: and upwards in the north of Scandinavia.
Lowest, 29·3 inn and less, in an elongated depression extending from the west of Scotland to the south of England
Gradient slight generally, but moderate over the southwest of our Islands and the north of France.
Barometer falling in most places, but inclined to rise on our extreme west and southwest coasts.

TEMPERATURE

Highest, 46° at Scilly, 44° at Valencia (Ireland) Jersey, Lorient, Rochefort, and Lisbon.
Lowest, 12° at Haparanda, 16° at Hernösand, 21° at Bodö, and 21° at Carhaven; lowest in our Islands 28° at Aberdeen and 31° at Nairn.
The maxima registered yesterday were below 40° in many parts of Great Britain; sharp frost occurred in the north of Scotland at night, but very little over England.

WIND

Strong to a gale from the NW^ward on our southwest coasts, fresh or strong from the W^ward in the west of France.
Light from the S^ward over Central France and the Netherlands, and from the SE^ward over the greater part of England.
E at most of the Scotch and Scandinavian stations; W^ly or SW^ly in Germany.

WEATHER

Cloudy and unsettled over Western Europe as a whole, with rain at several of the English and Irish stations, and snow in the east of Scotland, as well as in Sweden, Belgium, and the east of France.
Fine and bright in the west of Norway
Since yesterday, morning rain, sleet or snow has fallen in most parts of our area, – rather heavily at some of the Irish stations.
A Parhelion was seen yesterday at Oxford.

SEA

Rough on several parts of our southwest coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression over our Islands is inclined to move slowly eastwards. Cloudy unsettled weather seems likely to continue for a time in most Districts, with freshening NW^ly winds on our northwest coasts.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH ▼ 1 SCOTLAND EAST	E^ly and NE^ly winds; dull, unsettled, some snow.	▼ 6 SCOTLAND WEST ▼ 7 ENGLAND N.W.	SE^ly winds, shifting to the NW^rd and increasing in force; some rain at first, improving temporarily later.
2 ENGLAND N.E.	SE^ly to Variable breezes; dull, some rain or sleet.	▼ 8 ENGLAND S.W. ▼ 9 IRELAND NORTH ▼ 10 IRELAND SOUTH	NW^ly winds, strong; a gale in places; squally, showery.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SE^ly winds, shifting to the W^rd or NW^rd; unsettled, some rain.	WARNINGS	At 7 0 pm yesterday to districts 0, 1, and 6 to 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 ...	29·78	31	30	S & E	4	bc	2
Sumburgh Head	29·71	33	32	NNE	1	b	4
Stornoway	29·78	35	33	W	2	o	3
Aberdeen	29·75	34	31	WNW	3	bc	3
Shields	29·80	37	35	W	2	bc	3
Ardrossan	29·76	38	35	W	0	0	0
Malin Head ...	29·74	41	41	S	2	0	2
Belmullet	29·76	44	43	SW	4	0	*
Holyhead	29·87	42	41	SW	3	qmr	2
Valencia	29·82	46	45	S	3	oqm	4
Scilly	30·01	46	43	W	4	cp	3
Jersey	30·01	43	41	NW	3	o	3
Hurst Castle ...	29·95	40	38	W	3	om	2
Dungeness ...	29·88	36	34	WNW	3	c	2
North Foreland	29·86	35	33	W	4	b	3
London (Westminster)	29·89	39	35	NW	2	bc	*
Yarmouth ...	29·79	35	34	WNW	4	c	4
Rochefort ...	30·17	44	43	NW	4	c	*

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

Weather in morning fair or fine in most parts of Great Britain as well as in the west of Norway and over Southern Europe generally. Cloudy or dull elsewhere, with snow in many parts of northern and central Europe. Rainy weather spreading later from the westwards over nearly the whole of Ireland, England and France; snow falling over the northern parts of Great Britain, as well as in Sweden and Germany. Parhelion seen at Oxford.

Temperature risen in France and the west and south of our Islands as well as over the Baltic Provinces, but fallen in most other localities. Morning readings highest 53° at Athens and Malta, 52° at Pakas, and 49° at Algiers; above 40° on our own extreme west and southwest coasts. Lowest 13° at Moscow, 14° at Uleaborg, 15° at Warsaw, and 18° at Kiev; considerably below the freezing point over northern, eastern, and central Europe generally, and slightly below it in many parts of Great Britain. Daily means below 40° over the northern and eastern parts of our Islands, but thermometer (spreading) 45° on our southwest coasts and in the west and south of France.

Wind light to moderate from the W. or NW. over Great Britain, France, Germany, and Austria, but SW. or S. in the west of Ireland. Moderate to strong from the E. or NE. over Scandinavia and northern Russia, light from the N. in Denmark. Light and variable in Italy, NE. over the Spanish Peninsula. Subsequently backing to the S. over all our own western coasts, and freshening considerably in the southwest.

Barometer highest 30·3 in. to 30·1 in. in an anticyclone extending from the Atlantic over the Spanish Peninsula, the west and south of France, and the extreme southwest of our Islands, and also in another system over Russia. Lowest 29·6 in. and less in a depression over the Baltic and the neighbouring provinces; 29·8 in. in a shallow system over the central parts of the Adriatic. New depression approaching our Islands later from the Atlantic, and barometer falling briskly on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 31st January, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinav.	Haparanda ...	29.76	16	N	4	s	29.56	−.43	14	14	+ 2	NNE	6	s	*	s	*	16	7	0.08
	Hernösand ...	29.69	14	NE	6	s	29.52	−.31	12	12	− 4	NW	4	s	*	s	*	19	12	0.12
	Stockholm ...	29.47	29	2	0	s	29.47	−.13	16	16	− 11	NW	2	0	*	s	*	30	?	0.08
	Wisby	29.47	19	E	4	bc	29.43	−.09	25	23	− 1	N	4	0	*	bc	*	27	16	0.08
	Karlstad ...	29.60	14	NNE	4	bc	29.56	−.06	8	7	− 15	NNW	2	b	*	bc	*	*	*	—
	Bodö	29.80	?	E	4	b	29.71	−.23	19	19	− 2	E	4	b	1	b	*	21	14	—
	Christiansund ...	29.62	24	ESE	2	b	29.42	−.30	26	24	+ 2	SSE	4	0	4	b	*	?	21	—
	Skudesnaes ...	29.61	18	2	0	b	29.61	−.01	23	22	− 2	NNE	1	0	1	b	*	30	19	*
	Færder (Christiania Fjord)	29.60	22	NNE	5	c	29.56	−.06	17	17	− 7	NNE	2	0	1	c	*	24	17	—
	Skagen (The Skaw)	29.55	26	E	3	0	29.56	+.02	24	23	− 2	2	0	0	0	0	*	28	23	0.04
	Fanö	29.51	17	NNW	1	m	29.54	+.03	28	28	+ 1	2	0	m	*	m	*	28	12	—
British Islands.	Sumburgh Head	29.51	31	SE	3	c	29.51	+.03	32	31	+ 2	ENE	1	0	4	c	*	35	29	—
	Stornoway ...	29.32	35	ESE	4	0	29.42	+.11	33	33	− 2	E	5	0	5	0	0.0	36	30	0.10
	Wick	29.35	34	SE	7	s	29.33	−.04	35	34	− 1	E	7	ow	8	s	*	36	31	0.32
	Nairn	29.32	34	ENE	2	s	29.29	−.09	33	33	+ 2	NNE	3	s	3	s	*	34	28	0.32
	Aberdeen ...	29.34	35	ESE	5	ogr	29.23	−.18	34	34	+ 6	SE	7	ogr	7	ogprs	0.2	36	28	0.73
	Leith	29.27	36	ESE	2	s	29.28	−.07	32	30	0	WSW	2	c	*	srp	*	37	31	0.33
	Shields	29.32	34	S	2	r	29.36	.00	34	34	− 1	SW	3	0	2	rm,rs	*	37	31	0.03
	Spurn Head ...	29.33	36	SE	2	og	29.42	+.04	35	34	+ 1	SE	3	og	3	og	*	36	33	—
	York	29.33	34	ESE	1	0	29.42	+.04	33	33	0	ESE	1	f	*	0	0.0	34	31	0.02
	Loughborough ...	29.33	34	NE	1	s	29.42	+.07	33	33	− 1	ESE	1	ogm	*	odsgm	*	38	33	0.09
	Ardrossan ...	29.22	34	NE	3	of	29.29	+.02	40	39	+ 7	S	4	c	3	ofs,f	*	40	32	0.28
	Malin Head ...	29.19	42	W	4	cp	29.35	+.14	40	38	− 1	N	4	bc	3	bc, cp	*	43	36	0.04
	Belmullet ...	29.29	38	W	3	0	29.43	+.03	40	39	− 3	NNE	2	c	*	bc, 0	*	45	32	0.11
	Donaghadee ...	29.26	37	WSW	3	bc	29.35	+.08	32	32	− 7	SW	3	b	1	op, bc	*	40	29	0.21
	Liverpool (Bidston)	29.31	34	SSE	1	r	29.38	+.08	32	31	− 3	SE	2	b	?	s, r	*	36	31	0.12
	Holyhead ...	29.31	39	2	0	obp	?29.37	+.12	37	36	− 1	SW	2	c	1	og, pg	*	40	35	0.21
	Parsonstown ...	29.32	39	W	1	r	29.46	+.09	33	32	− 4	2	0	0	*	b, r	5.5	46	28	0.03
	Valencia ...	29.37	42	WSW	5	0	29.49	−.02	35	34	− 9	E	1	b	2	c, 0	2.5	46	33	0.09
	Roche's Point ...	29.38	43	WNW	3	c	29.50	+.08	36	35	− 5	NNE	2	bp	3	b, c	*	47	35	0.06
	Pembroke (St. Ann's Hd.)	29.36	43	NW	4	b	29.44	+.16	39	37	− 2	NE	2	b	4	b	0.0	43	36	0.25
	Scilly	29.44	45	WNW	6	c	29.47	+.08	43	40	− 3	N	2	c	5	cp, c	5.7	47	40	0.13
	Prawle Point ...	29.34	40	NW	5	cp	29.43	+.17	34	33	− 6	N	3	bc	2	cp	*	43	34	0.07
	Jersey (St. Aubin's)	29.33	45	WNW	7	c	29.36	.00	42	41	− 2	N	4	ompg	4	pg, chr	*	46	39	0.33
	Hurst Castle ...	29.24	38	NNW	4	om	29.38	+.18	36	35	− 6	NNE	2	om	2	cm, om	*	43	34	0.04
	Dungeness ...	29.18	39	SE	3	c	29.32	−.05	36	36	− 2	NE	3	0	3	r, c	*	40	34	0.13
	North Foreland	29.22	36	SE	3	0	29.36	−.05	35	35	− 1	NE	4	0	4	0	*	37	34	0.04
	London (Brixton) ...	29.25	36	NE	2	0	29.42	+.08	36	34	− 2	NE	1	of	*	ogd, 0	0.0	39	35	0.04
	Oxford	29.31	34	NE	3	s	29.41	+.12	33	33	− 3	NE	1	0	*	od, s	*	37	33	0.07
	Cambridge ...	29.30	36	E	2	d	29.43	+.06	33	33	− 2	ENE	1	omq	*	f	0.0	37	32	0.03
	Yarmouth ...	29.31	35	ESE	4	og	29.43	.00	34	32	− 1	E	4	c	4	0	*	36	32	0.02
Germany & Holland.	Cuxhaven ...	29.49	21	SSW	1	s	29.50	−.04	17	17	− 5	E	1	s	*	s	*	25	17	—
	Berlin	29.53	22	2	0	c	29.52	−.07	14	14	− 10	2	0	f	*	c	*	28	17	—
	Wiesbaden ...	*	*	*	*	*	29.38	−.29	34	32	+ 6	SE	1	0	*	*	*	34	28	0.12
	Munich	29.52	24	SE	4	b	29.45	−.30	29	28	+ 6	W	4	c	*	b	*	30	23	0.08
	The Helder ...	29.40	30	E	2	0	29.43	−.07	24	24	− 7	E	3	m	1	0	*	32	23	—
Belgium.	Brussels ...	*	*	*	*	*	29.30	−.26	32	32	+ 2	NNE	2	f	*	s	*	34	30	0.08
	Cape Gris Nez ...	29.22	36	S	2	r	29.31		34	34		E	3	f	2	r	*	39	32	0.16
	Paris	29.35	37	SSW	2	0	29.30	−.29	37	36	+ 3	WSW	2	0	*	0	*	40	34	0.39
	Brest	29.49	45	WNW	5	c	? 29.35	−.14	44	42	+ 1	NW	4	bc	4	c	*	46	37	0.91
	Lorient	29.53	45	WNW	6	r	29.38	−.16	39	33	− 5	NW	5	r	4	r	*	46	37	0.75
France &	Rochefort ...	29.65	45	NW	5	c	29.25	−.44	50	48	+ 6	WNW	9	c	*	c	*	50	41	0.75
	Belfort	29.54	32	SSW	6	s	29.43	−.32	32	32	+ 7	SSW	6	s	*	s	*	36	25	0.20
	Lyons	29.63	31	S	3	0	29.54	−.35	31	30	+ 5	S	2	0	*	0	*	34	26	0.20
	Nice	29.71	35	ENE	1	0	29.53	−.31	36	34	+ 4	?	1	0	3	0	*	45	32	—
	Perpignan ...	29.73	41	S	1	b	29.63	−.30	42	38	+ 8	W	2	0	*	b	*	47	34	0.04
	Biarritz ...	29.76	46	NW	6	s	29.60	−.36	47	45	+ 4	WSW	8	r	5	s	*	50	41	0.59
Penin-sula.	Corunna ...	29.99	52	WNW	6	0	29.91	−.09	51	50	− 1	WSW	6	0	5	0	*	54	45	0.08
	Lisbon	30.13	49	NW	2	b	30.13	−.06	50	47	+ 6	WSW	3	0	*	b	*	54	44	0.04
	Azores (P. Delgada)	30.19	60	SW	5	c	30.02	−.28	60	58	+ 1	SW	7	0	6	c	*	63	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 0.0 hrs; Brighton ? hrs; Hastings ? hrs; Eastbourne 0.3 hr.

WEATHER CHARTS

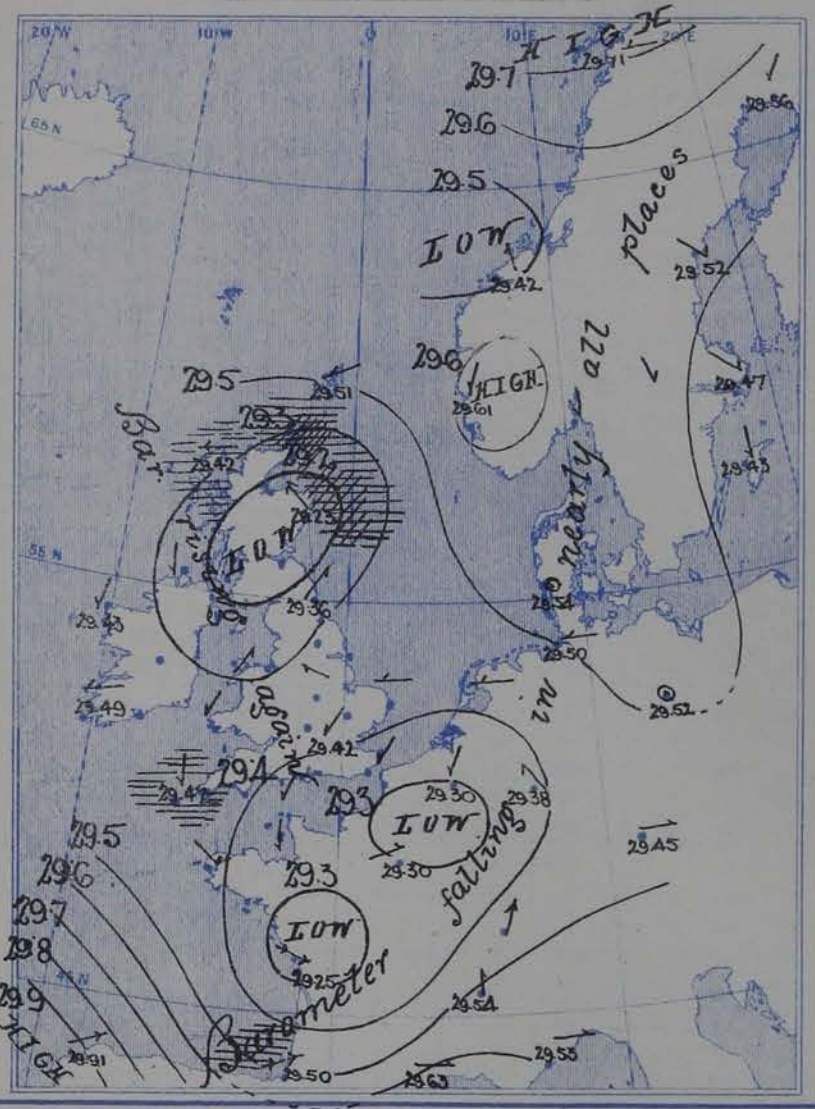
FOR SUNDAY, 31ST JANUARY, 1897.

BAROMETER, WIND AND SEA.

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

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

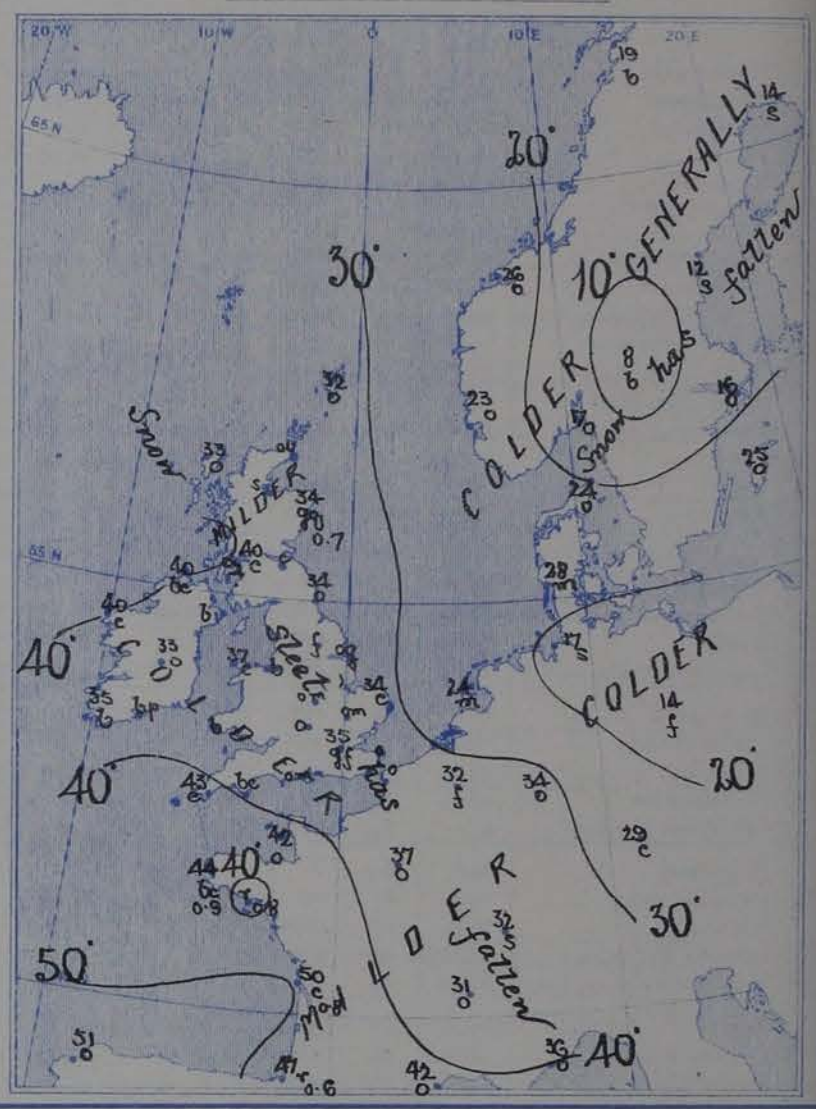
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

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

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



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

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	29·676	39·4	38·0	42·5	35·2	51	1880, 82, 87	19	1881	3·85	—	—
Stornoway	29·688	39·1	38·2	42·9	34·0	55	1890	11	1881	5·17	29·2	13
Wick	29·715	37·9	36·6	42·0	32·9	57	1889	— 4	1881	2·24	—	—
Nairn	29·744	36·9	35·4	42·0	32·2	59	1887	5	1881, 95	1·98	—	—
Aberdeen	29·786	36·9	35·2	42·0	32·8	58	1889, 92	4	1881	2·38	52·6	23
Leith	29·821	38·2	36·7	43·9	33·3	57	1872, 80, 88,	9	1881	1·78	—	—
Shields	29·871	37·7	36·5	42·7	33·5	58	1880	6	1881	1·72	—	—
Spurn Head	29·911	37·3	36·3	41·2	34·0	54*	1884, 88	13*	1881	1·38	—	—
York	29·922	36·2	35·2	42·2	31·9	58	1872	3	1881	1·84	30·2	12
Loughborough	29·958	35·8	34·8	42·5	31·7	57*	1888, 94	2*	1881	2·01	—	—
Ardrossan	29·834	39·5	38·4	43·7	35·7	53	1873, 75, 92	12	1881	3·89	—	—
Malin Head	29·795	40·6	39·0	45·0	37·6	—	—	—	—	—	—	—
Belmullet	29·830	42·3	41·0	46·4	38·7	—	—	—	—	5·48	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	20	1894	2·90	—	—
Holyhead	29·897	41·3	40·0	45·1	38·2	55	1873	20	1894	3·26	—	—
Liverpool	29·918	38·1	36·5	43·0	34·7	57	1877, 90	9	1881	2·18	—	—
Parsonstown	29·895	38·3	37·3	45·0	33·6	57	1880	6	1881, 94	2·99	50·8	21
Valencia	29·894	44·0	42·7	49·0	39·8	56	1876, 78	20	1894	6·31	56·1	22
Roche's Point	29·909	42·7	41·4	47·3	38·9	57	1889	20	1894	5·33	—	—
Pembroke	29·932	42·2	40·8	45·1	39·0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3·71	53·6	21
Scilly	29·960	46·0	44·4	48·5	42·3	55	1875, 76, 77, 82, 83, 90	25	1894	3·63	—	—
Prawle Point	29·991	41·3	40·3	45·7	37·0	56*	1883, 95	17*	1881	2·92	—	—
Jersey	30·012	41·5	40·0	45·6	37·9	57	1877	12	1891	3·21	71·2	27
Hurst Castle	29·991	39·6	38·8	44·4	35·6	56	1876, 83, 90,	15	1881	2·86	—	—
Dover	29·992	38·4	37·4	42·9	34·7	55	1878	11	1893	2·47	—	—
LONDON	29·991	37·1	36·0	43·4	33·2	58	1876	9	1881	2·06	19·3†	8†
Oxford	29·987	36·4	35·4	42·5	32·9	56	1877, 90	7	1881	2·16	47·1	19
Cambridge	29·979	35·6	34·8	42·7	30·9	59	1878, 80	4	1881	1·52	49·8	20
Yarmouth	29·969	37·0	36·1	40·9	33·0	55	1878, 84	10	1881	1·96	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards in the south of Portugal.
Lowest, 29·3 in: and less, in three depressions one lying over Scotland, and the other two respectively over the west and northeast of France.
29·5 in: and less in a shallow disturbance off the west of Norway
Gradients rather steep over the Bay of Biscay and the north of Spain, slight elsewhere, and very irregular. Barometer rising in our Islands, but falling at most of the Continental stations.

TEMPERATURE

Highest, 51° at Coruunna, 50° at Rochefort and Lisbon, 47° at Biarritz, 44° at Brest, and 43° at Scilly
Lowest, 8° at Karlstad, 12° at Hernösand, 14° at Haparanda and Berlin, 16° at Stockholm, and 17° at Jaeder and Leyhaven.
Slight frost occurred last night in the northern and central parts of our Islands.

WIND

Light from the N^{W} or NE^{W} over the southern parts of our Islands; strong to a gale from the W^{W} in the west of France. S^{1} or SW^{1} over the Central and eastern parts of France.
Light from the SW^{W} over the north of England and the south of Scotland; strong to a gale from the E^{W} in the northeast of Scotland.
Calm in Denmark, N^{1} or NW^{1} in Sweden, S^{2} to E^{2} in the west of Norway.

WEATHER

Cloudy or dull over Western Europe as a whole, with fog or mist in many parts of England, the Netherlands and Germany.
Snow is falling in the north of Scotland, as well as at several of the Swedish, German and Central French stations, and rain in the west of France.
Rain or snow fell yesterday in nearly all parts of our area, the largest amounts being 0·9 in: at Brest, 0·8 in: at Lorient and Rochefort, and 0·7 in: at Aberdeen.

SEA

Very high off the northeast of Scotland, and rather rough at Scilly and Biarritz, but moderate or slight elsewhere

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 1st FEB: 1897.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
▽ 0	SCOTLAND NORTH	NONE ISSUED	6	SCOTLAND WEST	NONE ISSUED.
▽ 1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.		8	ENGLAND S.W.	
3	ENGLAND EAST		9	IRELAND NORTH	
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND SOUTH			WARNINGS	At 7·0 pm yesterday to districts 0 and 1. "Hoist South Cone." At 9·40 am today to districts 6 to 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 ...	29.62	30	29	SSE	2	b	1
Sumburgh Head	29.49	33	31	SE	3	c	5
Stornoway	29.31	36	34	ESE	4	o	5
Aberdeen	29.37	34	33	SE	2	ogsp	3
Shields	29.33	37	36	S	1	an	2
Ardrossan	29.34	34	34	NE	3	f be	2
Malin Head ...	29.19	42	41	WNW	6	be	4
Belmullet	29.35	444	43	W	3	bc	*
Holyhead	29.31	39	38	NW	1	ogm	0
Valencia	29.47	45	42	WSW	4	c	5
Scilly	29.45	45	43	WNW	6	cp	5
Jersey	29.31	45	43	W	6	cmq	4
Hurst Castle ...	29.15	41	40	W	2	dm	2
Dungeness ...	29.21	39	39	SE	3	r	3
North Foreland	29.27	36	35	SE	3	o	3
London (Westminster)	29.21	38	36	SE	2	ogd	*
Yarmouth ...	29.33	36	34	ESE	4	og	4
Rochefort ...	29.67	45	44	NW	4	o	*

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

Weather in morning cloudy and unsettled in most parts of our Islands and the Continent, with rain at several of the English and Irish stations, and snow in the east of Scotland, as well as in Belgium, the east of France, and many parts of Western Europe. Fine and bright in the west of Norway and also in Italy. Rain or snow falling later in the western and northern countries generally,—heavily in the west of Scotland and also in the west of France.

Temperature rises in our Islands and France as well as in Russia, fallen in most other countries. Morning readings higher (1) 52° at Tunis, 50° at Algiers and 49° at Palma and Malta; (2) 52° at Coruna and 46° at Scilly. Lowest 12° at Haparanda, 14° at Nenfahrwasser 15° at Ulleaborg, and 16° at Hernösand; below the freezing point over northern and central Europe generally, as well as in many parts of Scotland. Daily maxima below 40° over all the more northern, eastern, and central parts of Great Britain, but thermometer exceeding 45° in the west and south of France, and reaching 54° at Lisbon.

Wind moderate to strong from the NW^d in the west of our Islands, and from the W^d in the west of France, light from the S^d in Central France, from the SE^d over the eastern and central parts of England, and from the E^d at many of the Scotch stations. Moderate from between E. and N. over Sweden and northern Russia; W^3 or SW^3 in Germany. N^3 over Italy and the south of Russia; W^3 at most of the Spanish and Mediterranean stations. Subsequently, increasing to a strong gale from E. or SE. in the north of Scotland; backing to the W^d in Ireland.

Barometer highest 30·2 ins: and upwards over northern Russia; 30·1 ins: and upwards over all the more central and southern parts of the Spanish Peninsula. Lowest 29·3 ins: and less, in an elongated depression lying over the eastern parts of Great Britain; 29·4 ins: and less, in another disturbance lying off the extreme south of Sweden. Depression over our western coasts subsequently splitting into two portions,—one passing southeastwards to France, the other moving northeastwards and eastwards over Scotland

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Corunna	30·44	55	W	2	f	30·51	+·08	49	48	− 1	NNW	1	f	6	f	-	59	46	-
-	Azores (P. Delgada)	30·50	56	NE	3	bc	30·49	+·04	54	52	− 1	NNE	3	0	2	bc	-	59	52	0·04
2	Corunna	30·47	54	NE	3	bc	30·45	−·06	40	39	− 9	N	1	f	5	bc	-	55	36	-
4	Corunna	30·18	54	SE	3	b	30·12	-	49	45	-	S	2	0	5	b	-	54	39	-
5	Corunna	30·03	52	S	4	bc	29·82	−·30	47	41	− 2	SSE	6	bc	5	bc	-	54	43	-
6	Corunna	29·63	53	SSE	6	bc	29·15	−·67	54	51	+ 7	S	6	0	3	bc	-	55	47	0·59
..	Lisbon	29·82	54	SSW	4	b	29·56	−·45	57	56	+ 15	SSW	8	0	-	b	-	57	42	0·32
7	Corunna	29·66	53	SW	7	bc	29·31	+·16	44	41	− 10	S	3	f	5	bc	-	55	39	0·59
8	Cape Gris Nez	29·83	42	SE	4	r	29·76	+·01	40	-	− 1	SE	3	r	3	r	-	45	34	0·28
9	Corunna	29·30	54	SW	4	m	?	-	59	47	-	?	?	bc	3	m	-	59	41	-
..	Azores (P. Delgada)	30·00	55	NNE	5	c	30·07	+·14	55	52	+ 1	NNW	4	c	4	c	-	64	50	0·08
10	Corunna	29·19	54	S	6	bc	29·56	-	54	50	− 5	NE	6	0	3	bc	-	59	46	0·39
11	Corunna	29·62	53	W	6	bc	29·92	+·36	50	49	− 4	W	3	0	3	bc	-	54	46	0·04
12	Corunna	29·95	51	SW	3	f	29·76	−·16	54	50	+ 4	SW	4	f	3	f	-	57	48	0·35
13	Corunna	29·54	55	NNW	6	f	29·50	−·26	52	51	− 2	NW	9	f	5	f	-	59	48	0·51
14	Corunna	29·72	50	N	9	f	29·86	+·36	49	47	− 3	N	9	f	5	f	-	52	36	0·20
16	Corunna	29·86	44	NE	9	r	30·25	-	46	43	-	N	2	0	2	r	-	50	37	0·16
17	Hufholder	29·97	30	ENE	6	0	29·84	−·21	33	-	+ 5	E	2	0	0	0	-	34	28	-
18	Corunna	30·12	47	N	2	b	30·10	-	39	38	-	NE	2	b	3	b	-	50	34	-
19	Skudesnaes	30·16	35	ENE	2	0	30·33	+·26	33	-	+ 1	E	0	0	1	0	-	36	30	-
..	Corunna	29·98	49	E	1	b	29·72	−·38	40	37	+ 1	E	1	m	2	b	-	50	34	-
20	Corunna	29·57	50	E	6	0	29·59	−·13	46	43	+ 6	SSE	5	0	5	0	-	?	?	0·20
21	Corunna	29·55	48	SE	3	0	29·43	−·16	48	45	+ 2	SE	2	0	?	0	-	50	41	-
22	Corunna	29·48	50	NE	4	0	29·76	+·33	49	45	+ 1	N	4	0	4	0	-	52	43	0·44
23	Corunna	29·75	48	NW	6	bc	29·61	−·15	42	37	− 7	N	9	0	5	bc	-	50	34	0·95
25	Corunna	30·15	44	N	2	b	30·27	+·23	44	42	+ 5	SW	3	0	3	b	-	45	34	0·08
26	Corunna	30·30	49	W	3	bc	30·30	+·03	43	41	− 1	SW	4	0	2	bc	-	50	39	-
28	Corunna	?	56	SW	6	0	30·25	-	44	42	-	NE	3	bc	4	0	-	57	43	0·44
29	Corunna	30·28	50	NE	4	b	30·23	−·02	40	37	− 4	NE	3	b	3	b	-	50	34	-
30	Cape Gris Nez	29·81	36	W	4	0	29·44	−·47	35	34	+ 1	S	2	r	3	0	-	37	32	-
-	Corunna	30·25	49	NNW	2	b	30·00	−·23	52	47	+ 12	NNW	4	0	3	b	-	52	40	0·20

PORTS FOR JANUARY 1897

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Nairn	-	-	-	-	-	30.04	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Aberdeen	-	-	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
4	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32
..	Jersey 2pm	-	-	-	-	-	-	-	-	-	-	SSE	-	-	-	-	-	-	-	-
5	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
..	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-	-
6	Cambridge	-	-	-	-	-	29.76	-.22	-	-	-	-	-	-	-	-	-	-	-	-
8	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35
9	Leith	-	-	-	-	-	29.97	-.07	-	-	-	-	-	-	-	-	-	-	-	-
10	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-
..	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14
..	Pembroke	-	-	-	-	-	29.49	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-
..	Perpignan	29.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Aberdeen	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-
..	Jersey	29.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-
16	Pembroke	-	-	-	-	-	30.01	-	-	-	-	-	-	-	-	-	-	38	-	-
17	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-
18	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
19	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-
22	Arrossan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
..	Pembroke	-	-	-	-	-	29.59	-.45	-	-	-	-	-	-	-	-	-	-	-	-
24	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23
..	Holyhead	-	-	-	-	-	29.99	.00	-	-	-	-	-	-	-	-	-	-	-	-
25	Dungeness	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-
26	Wick	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	? 1.50
29	Belmullet	-	-	-	-	-	-	-	-	-	-	WNW	-	-	-	-	-	-	-	-