2105

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JANUARY TO 30TH JUNE, 1900.

DAILY WEATHER REPORT.

January to June 1900.

E. Weller & Grahams, Ltd Litho. London

DAILY WEATHER REPORT

for 8 a.m. on Monday, 1st January, 1900.

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	29.92	15	NNE	2	o	29.92	+.02	15	13	−1	N	4	o	•	o	•	18	12	0.08
	Hernösand ...	29.74	24	N	2	S	29.79	+.13	22	22	−8	N	2	o	•	S	•	32	21	0.16
	Stockholm	29.63	34	W	4	r	29.86	+.23	33	32	−3	SW	2	b	•	r	•	37	32	0.16
	Wisby	29.75	37	S	4	b	29.96	+.30	35	34	−3	SW	4	o	•	b	•	38	34	0.12
	Karlstad	29.66	35	NE	0	o	29.72	+.23	36	36	−1	SSE	2	r	•	o	•	v	•	—
	Bodö	29.72	26	E	4	b	29.81	+.23	26	24	0	E	4	b	1	b	•	27	23	—
	Christiansund ...	29.44	37	ESE	1	bc	29.58	+.37	33	31	−9	ESE	1	b	4	bc	•	42	32	0.20
	Skudesnaes ...	29.23	42	SW	8	r	29.68	+.50	43	41	+1	W	2	c	4	r	•	43	37	•
	Færder (X'iania Fjord)																•			
	The Scaw (Skagen)	29.66	37	SW	1	o	29.71	+.29	39	39	+2	WSW	3	o	o	o	•	39	36	0.04
	Fanö	29.82	37	SW	5	b	29.97	+.56	37	37	+2	SW	4	b	•	b	•	39	35	—
British Islands	Sumburgh Head ...	29.23	39	NE	1	o	29.69	+.80	43	41	o	NW	3	o	5	c.o	•	44	34	0.10
	Stornoway	29.45	41	N	6	a	29.85	+.79	38	36	−5	N	3	o	3	oa	0.0	43	34	0.25
	Wick	29.31	43	NW	3	r	29.85	+1.01	36	34	−8	W	2	bc	3	r		48	35	0.12
	Nairn	29.41	42	W	2	c	29.85	+0.90	37	37	−3	W	1	o	1	c		42	34	0.30
	Aberdeen	29.35	42	W	5	o g q p	29.88	+.98	35	34	−5	SW	1	bc w	3	o g q p	0.0	42	35	0.04
	Leith	29.43	40	W	3	o	29.87	+.75	33	32	−8	NE	6	f	•	o	•	42	29	—
	Shields	29.57	39	SW	3	bc	29.88	+.57	37	36	−4	SW	2	c	2	bc	•	43	35	—
	Spurn Head ...	29.74	39	SSW	4	b	29.93	+.49	37	37	+1	SSE	1	f	2	b	•	43	36	—
	Loughborough ...	29.75	35	SE	1	b	29.93	+.42	31	31	−5	SE	1	of	•	bc.c.bf	•	41	29	
	Malin Head ...	29.53	43	WSW	5	bc	29.76	+.54	40	40	o	ESE	4	r m	3	c.bc	•	43	39	0.13
	Blacksod Pt.	29.59	39	SSW	2	b	29.63	+.38	42	41	+1	ENE	5	c q	4	b	•	44	37	0.01
	Donaghadee ...	29.62	35	W	3	b	29.77	+.46	47	46	+12	SSE	3	o g	4	b	•	47	34	0.10
	Liverpool (Bidston)	29.71	35	S	2	b	29.88	+.41	36	35	+1	SE	3	o	?	b	•	41	33	—
	Holyhead	29.65	41	SE	1	b c q p	29.79	+.35	40	38	o	SE	2	s m	1	bc.q p	•	44	37	0.04
	Parsonstown ...	29.60	33	NE	1	bc	29.71	+.27	46	44	+16	SE	1	o	•	bc	5.4	46	29	0.26
	Valencia	29.43	41	ENE	5	o	29.58	+.17	45	42	+10	ESE	3	o	4	o	0.0	48	34	0.15
	Roche's Point ...	29.49	46	SE	4	r	29.61	+.16	50	49	+14	SW	4	r q	4	r q	•	50	36	0.70
	Pembroke (St. Ann's Hd.)	29.68	47	S	4	c	29.76	+.26	47	47	+3	SE	6	c	5	c	2.3	48	41	0.10
	Scilly																			
	Jersey (St. Aubin's) ...	29.79	45	SE	5	b	29.88	+.10	46	45	o	SE	3	f	3	b.l	•	51	43	0.01
France & Netherlands. Germany.	Portland Bill ...	29.75	47	SSW	3	bc	29.85	+.25	47	46	+2	SSE	3	o	3	bc	•	50	43	—
	Dungeness	29.81	47	SW	3	b	29.91	+.26	45	45	+8	SSE	2	o	1	b	•	52	36	0.02
	London (Brixton) ...	29.80	37	SW	1	b	29.92	+.32	39	39	o	N	0	f	•	b	2.1	49	35	—
	Oxford	29.83	40	SW	3	b	29.94	+.34	38	38	−1	N	0	f	•	b, p.b	•	46	32	0.01
	Yarmouth	29.78	40	SW	3	b m	29.95	+.37	41	40	+6	E	3	b c	3	b, b m	•	42	34	0.04
	Cuxhaven	29.86	37	SW	3	b	30.06	+.55	38	38	−7	SSW	1	b	•	b	•	41	32	—
	Berlin	29.99	39	W	2	b	30.16	+.47	32	32	−9	N	0	f	•	b	•	43	30	0.04
	Wiesbaden	•	•	•	•	•	30.13	+.47	41	41	o	S	1	f	•	•	•	48	37	0.04
	Munich	30.07	34	SW	2	bc	30.27	+.36	35	35	+6	SW	1	c	•	bc	•	48	28	—
	The Helder ...	29.83	41	SSW	2	b	30.01		28	28		S	1	f	1	b	•	45	28	—
	Brussels	•	•	•	•	•	30.01	+1.28	37	37	−3	ESE	1	o	•	b	•	46	34	—
	C. Gris Nez ...	29.87	41	S	2	bc	29.91	+.26	40	39	−6	SSE	1	o	1	bc	•	48	36	—
	Paris	29.92	41	SSE	2	o	29.98	+.25	42	41	+1	SW	2	o	•	o	•	46	39	0.16
	Brest	29.70	40	SSE	3	c	29.76	+.14	49	48	+1	SE	3	c	3	c	•	50	48	—
	Lorient	29.74	47	ESE	3	r	29.81	+.11	49	46	+6	SE	4	o	4	r	•	54	43	—
	Rochefort	29.73	55	WNW	4	bc	29.80	+.09	46	45	o	SE	3	o	•	bc	•	57	43	—
	Belfort	29.98	50	SSW	5	r	30.14	+.36	45	43	−11	NE	4	o	•	r	•	57	42	1.54
	Lyons	29.96	58	SSW	5	o	30.05	+.19	57	51	+4	SE	1	r	•	o	•	58	53	—
	Nice	30.21	51	E	2	o	30.21	+.02	48	46	+1	E	4	c	3	o	•	57	46	0.28
	Perpignan																•			
	Biarritz	29.81	64	S	5	o	29.73	−.01	53	50	−7	E	4	o	2	o	•	66	52	—
Span. Pen.	Corunna																•			
	Lisbon	29.80	57	SSE	2	o	29.57	−.31	55	55	−2	S	3	o	•	o	•	61	54	0.63
	Azores (P. Delgada)	30.16	53	NNE	4	bc	30.23	+.28	54	45	o	NNW	5	c	3	bc	•	59	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 1.4

WEATHER CHARTS

FOR Monday, 1st January, 1900

BAROMETER, WIND AND SEA.

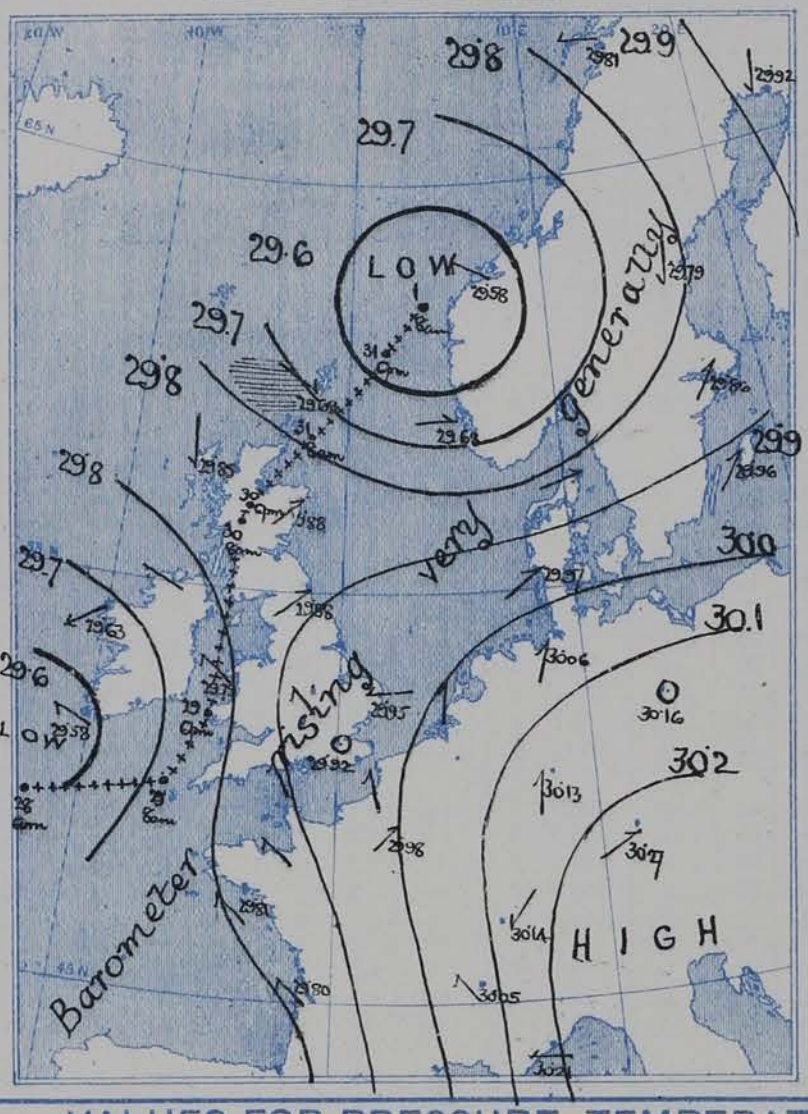
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

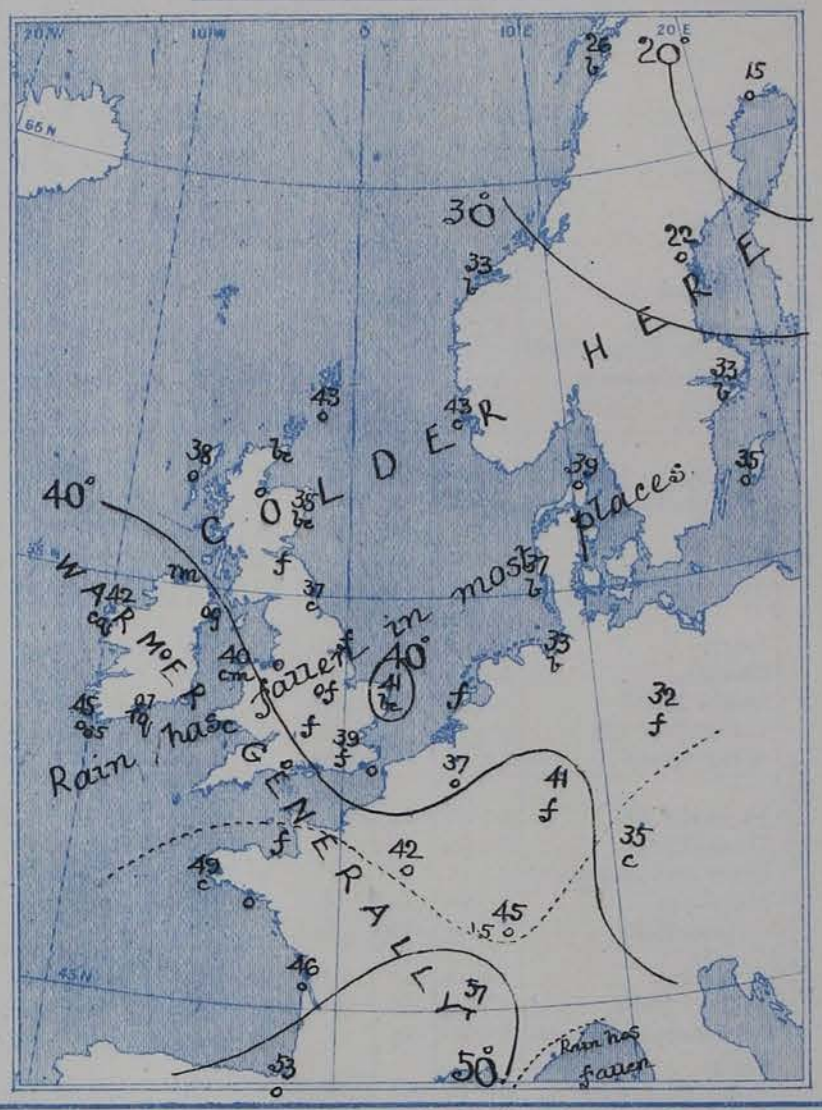


TEMPERATURE AND WEATHER.

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	14	1881	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, 30·2 in: and upwards, in an anticyclone over Switzerland and the southern parts of France and Germany. Lowest, 29·6 in: and less, in two depressions, – one lying off the southwest of Ireland and the other off the west of Norway. Gradients slight. Barometer rising generally.

TEMPERATURE — Highest, 57° at Lyons, 53° at Biarritz, 50° at Roche Point, 49° at Brest and Lorient, and 48° at Nice. Lowest, 15° at Haparanda, 22° at Hernosand, 26° at Bodö and 28° at the Helder: lowest in our Islands 31° at Loughborough. Frost occurred last night over the inland parts of England, the lowest readings reported being (1) In the screen 29° at Loughborough and 32° at Oxford: (2) On the grass 21° at Loughborough.

WIND — SE[1] over the greater part of England, Ireland and France: light to moderate in force in most places, but strong at Pembroke Light from between W. and N. in the north of Scotland: SW[1] over Denmark and the south of Scandinavia: E[1] in the west of Norway: N[1] over the Gulf of Bothnia.

WEATHER — Fair or fine on the east coasts of Great Britain, as well as in the west of Norway, but cloudy or dull in all other parts of Western Europe. Fog is reported over England, the Netherlands and Germany, and rain at Malin Hd and Rockall, as well as at Karlstad and Lyons. Since yesterday morning rain has fallen in many parts of Western Europe, the largest amounts being 1·5 in: at Belfort and 0·7 in: at Rockall. Lightning was seen at Jersey at night.

SEA — Moderate or slight generally but rather rough at Lumbuys Head and Pembroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching our southwest coasts last evening appears to be moving away over the Atlantic and the anticyclone over the Continent is inclined to extend westwards. Fair dry weather is therefore probable in most parts of Great Britain, but with fog in places.

FORECASTS

For the 24 hours ending at NOON on 2ND JANY 1900

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW[24] to SW[24] winds, light; fair generally.
1 SCOTLAND EAST	S[24] and SW[24] winds, light; fair generally but local fogs.
2 ENGLAND N.E.	
3 ENGLAND EAST	SE[24] winds, light; cloudy, some fog or mist.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos 3 to 5.
7 ENGLAND N.W.	
⚠ 8 ENGLAND S.W.	S[24] and SE[24] winds, strong; dull, some rain.
9 IRELAND NORTH	S[24] and SE[24] winds, strong in places; dull, some rain.
⚠ 10 IRELAND SOUTH	
WARNINGS	At 7·10 pm yesterday 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.15	40	38	ESE	6	r	5
Sumburgh Head	29.00	42	40	NE	3	c	6
Stornoway... ...							
Aberdeen							
Shields							
Malin Head ...	29.39	43	39	NW	6	c	5
Blacksod Pt.. ...							*
Holyhead	29.58	44	40	WSW	2	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.76	50	45	S	5	b	4
Portland Bill ...							
Dungeness ...	29.77	48	46	NW	4	b	3
London (Westminster)							*
Yarmouth ...	29.72	42	39	SSW	2	b	3
Rochefort ...	?	52	50	SE	2	bc	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 24TH TO THE 30TH DECR 1899.

During the early part of last week two high pressure areas were in existence,—one a system of considerable size and height over northern and central Russia, the other, of less importance over the Spanish Peninsula. Over our Islands the weather was at first fine, with light to moderate breezes from the Wd, but after the 25th the conditions over Western Europe generally were influenced by a large shallow depression which spread from the Nd over the whole of the United Kingdom and the North Sea. The wind consequently became variable with fog in many districts, and rain, sleet or snow over the western and central countries generally. In the north of France the rainfall of the 26th was exceedingly heavy.

After the 26th the high pressure system over Spain gave way, and during the three last days of the week the weather in the entire western half of Europe was affected by a deep depression (with minimum readings below 28·3 ins.) the centre of which advanced slowly Eastwards to our southwest coasts on the 28th and afterwards moved northwards to the west, and finally to the north of Scotland. During the progress of this disturbance fresh to strong gales from various quarters were reported over the whole of our Islands and their neighbourhood, at first from the E'd or SE'd, and afterwards from the SW'd or W'd with heavy rain in many districts especially in the southwest on the 26th. Thunder and lightning occurred in the north of Scotland on the 27th and on our southwest coasts generally on the 28th. At the close of the week the depression in the north was steadily filling up, and the weather over England showed considerable signs of improvement.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 2nd January, 1900.

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	30·01	14	NW	4	o	30·05	+ ·13	8	7	— 7	N	2	bc	*	o	*	16	8	0·04
	Hernösand	30·05	21	L	o	o	30·10	+ ·31	18	17	— 4	L	o	o	*	o	*	25	16	—
	Stockholm	29·89	34	L	o	f	30·08	+ ·22	29	29	— 4	N	2	o	*	f	*	36	29	0·08
	Wisby	29·93	38	WSW	6	o	30·06	+ ·10	35	35	o	NNW	4	o	*	o	*	38	32	—
	Karlstad	29·95	35	L	o	o	30·08	+ ·36	33	33	— 3	NW	2	f	*	o	*	*	*	0·28
	Bodö	29·94	25	E	4	o	30·01	+ ·20	22	21	— 4	E	4	b	2	o	*	27	19	—
	Christiansund ...	29·90	38	ESE	1	o	30·00	+ ·42	38	36	+ 5	WSW	2	o	4	o	*	39	32	—
	Skudesnaes ...	29·95	44	WSW	2	o	30·03	+ ·35	36	35	— 7	SSE	2	b	3	o	*	45	34	*
	Færder (X'iania Fjord)	29·93	34	L	o	b	30·05		29	29		N	2	f	2	b	*	37	28	—
	The Scaw (Skagen)	30·00	39	W	2	f	30·03	+ ·32	34	34	— 5	WNW	1	b	o	f	*	41	34	0·04
	Fanö	30·13	34	L	o	mv	30·05	+ ·08	32	32	— 5	E	2	m	*	m	*	39	32	—
British Islands	Sumburgh Head ...	29·90	40	NW	2	bc	29·95	+ ·26	38	37	— 5	NNE	1	o	4	bc	*	44	35	0·05
	Stornoway	29·92	37	NE	2	o	29·82	— ·03	41	40	+ 3	SE	4	o	4	o	0·0	41	33	0·03
	Wick	29·96	42	W	2	o	29·92	+ ·07	41	39	+ 5	S	3	o	2	o	*	43	32	0·03
	Nairn		No	observations			29·84	— ·01	37	36	o	E	1	o	1	?	*	39	32	0·01
	Aberdeen	29·98	34	SSW	1	cm	29·86	— ·02	43	41	+ 8	E	6	ogq	4	cm	1·9	43	34	—
	Leith	29·91	37	L	o	o	29·71	— ·16	42	40	+ 9	ENE	3	r	*	o	*	44	31	0·01
	Shields	29·94	35	SW	1	f	29·67	— ·21	43	43	+ 6	E	5	r	4	bm. f	*	43	32	030
	Spurn Head ...	29·90	40	ESE	4	o	29·54	— ·39	44	44	+ 7	ESE	6	r	6	o. rf	*	44	35	047
	Loughborough ...	29·90	35	L	o	f	29·53	— ·40	44	44	+ 13	ESE	1	ogmq	*	fq. gm. r	*	44	31	064
	Malin Head ...	29·74	43	SE	5	rm	29·55	— ·21	43	42	+ 3	E	6	r	5	o. rm	*	44	40	0·04
	Blacksod Pt. ...	29·61	44	ESE	1	rm	29·50	— ·13	44	43	+ 2	ENE	5	cmp.	4	cp. rm	*	45	40	023
	Donaghadee ...	29·80	45	SE	5	og	29·50	— ·27	44	44	— 3	E	6	r	7	og	*	45	42	014
	Liverpool (Bidston)	29·84	34	ESE	3	f	29·46	— ·42	42	41	+ 6	E	4	r	?	fq	*	42	33	025
	Holyhead	29·72	42	E	2	omv	29·40	— ·39	44	43	+ 4	E	5	op	4	omv	*	46	38	019
	Parsonstown ...	29·60	46	SE	1	or	29·34	— ·37	44	43	— 2	SE	1	or	*	or	0·0	48	43	1·37
	Valencia	29·56	44	E	3	c	29·39	— ·19	42	40	— 3	L	o	o	3	ov. c	0·5	46	33	—
	Roche's Point ...	29·59	44	NNW	4	r	29·35	— ·26	43	42	— 7	NNW	4	r	4	r	*	?50	42	1·05
	Pembroke (St. Ann's Hd.)	29·66	46	SE	4	o	29·36	— ·40	49	47	+ 2	SSW	6	c	4	o	0·0	50	42	035
	Scilly																			
	Jersey (St. Aubin's) ...	29·72	47	E	3	rm	29·56	— ·32	51	49	+ 5	NE	2	ow	2	org	*	51	45	029
	Portland Bill ...	29·71	47	ESE	4	or	29·52	— ·33	49	48	+ 2	S	4	c	4	om. or	*	51	44	044
	Dungeness	29·85	47	S	4	o	29·59	— ·32	51	50	+ 6	S	5	r	5	o. r	*	51	45	012
	London (Brixton) ...	29·85	43	E	3	om	29·54	— ·38	50	49	+ 11	SSE	3	org	*	fgq. om	0·0	50	37	039
	Oxford	29·82	44	NE	2	r	29·51	— ·43	49	48	+ 16	SE	3	r	*	od. r	*	49	33	054
	Yarmouth	29·92	42	ESE	3	bc	29·61	— ·34	43	42	+ 2	SSE	3	c	4	c. bc	*	43	39	066
France & Netherlands. Germany.	Cuxhaven	30·09	32	L	o	mv	29·96	— ·10	33	33	o	E	2	fp	*	m	*	37	30	—
	Berlin	30·16	37	L	o	f	30·03	— ·13	34	34	+ 2	SE	2	fp	*	fp	*	37	32	—
	Wiesbaden	*	*	*	*	*	29·94	— ·19	40	39	— 1	NE	2	o	*	*	*	45	37	—
	Munich	30·13	33	E	3	o	30·01	— ·26	35	35	o	SE	3	o	*	o	*	43	33	—
	The Helder ...	29·99	37	ESE	1	mv	29·76	— ·25	39	38	+ 11	ESE	1	r	1	m	*	39	28	0·04
	Brussels	*	*	*	*	*	29·75	— ·26	50	47	+ 13	S	3	o	*	o	*	52	37	0·04
	C. Gris Nez ...	29·88	44	ESE	3	m	29·62	— ·29	52	48	+ 12	S	5	o	5	mv	*	?52	40	0·08
	Paris	29·85	49	ESE	2	o	29·73	— ·25	53	50	+ 11	SE	2	c	*	o	*	53	39	—
	Brest	29·62	49	SE	3	o	29·55	— ·21	50	47	+ 1	SW	3	o	3	o	*	50	46	—
	Lorient	29·61	49	SE	5	r	29·63	— ·18	48	48	— 1	WSW	3	o	3	r	*	50	46	035
	Rochefort	29·63	55	SE	3	bc	29·67	— ·13	52	46	+ 6	SW	3	o	*	bc	*	55	43	0·04
	Belfort	?	47	E	6	o	29·40	— ·24	?45	44	o	NE	3	o	*	o	*	61	42	0·04
	Lyons	29·99	50	S	1	r	29·83	— ·22	53	51	— 4	E	1	o	*	r	*	59	46	0·20
	Nice	30·13	57	E	8	o	30·14	— ·07	50	50	+ 2	E	2	o	4	o	*	57	48	0·08
	Perpignan														*		*			
	Biarritz	29·65	65	SSE	4	o	29·72	— ·01	58	58	+ 5	WNW	3	o	2	o	*	66	53	—
Span. Pen.	Corunna														*		*			
	Lisbon	29·80	51	NNW	2	bc	29·88	+ ·31	50	47	— 5	NNE	4	r	*	bc	*	57	50	—
	Azores (P. Delgada)	30·34	53	WNW	3	bc	30·30	+ ·07	51	47	— 3	NNW	4	bc	3	bc	*	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·3 hrs.

WEATHER CHARTS

FOR Tuesday 2nd January, 1900.

BAROMETER, WIND AND SEA.

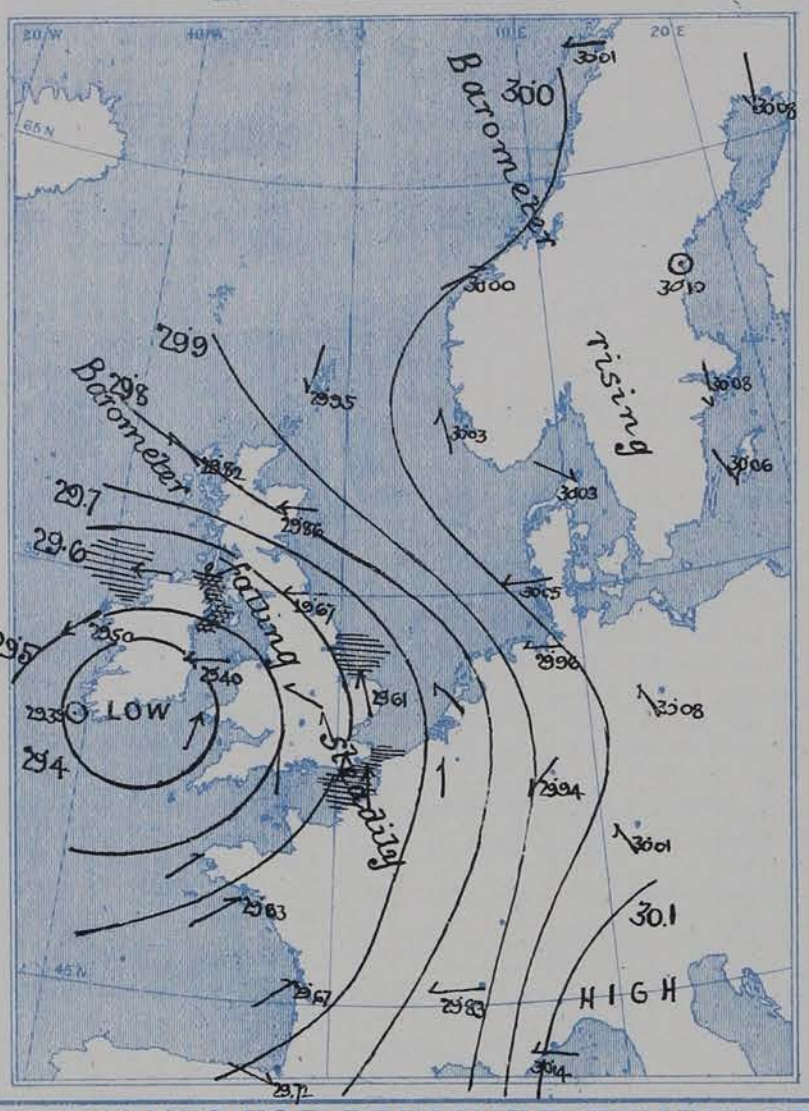
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

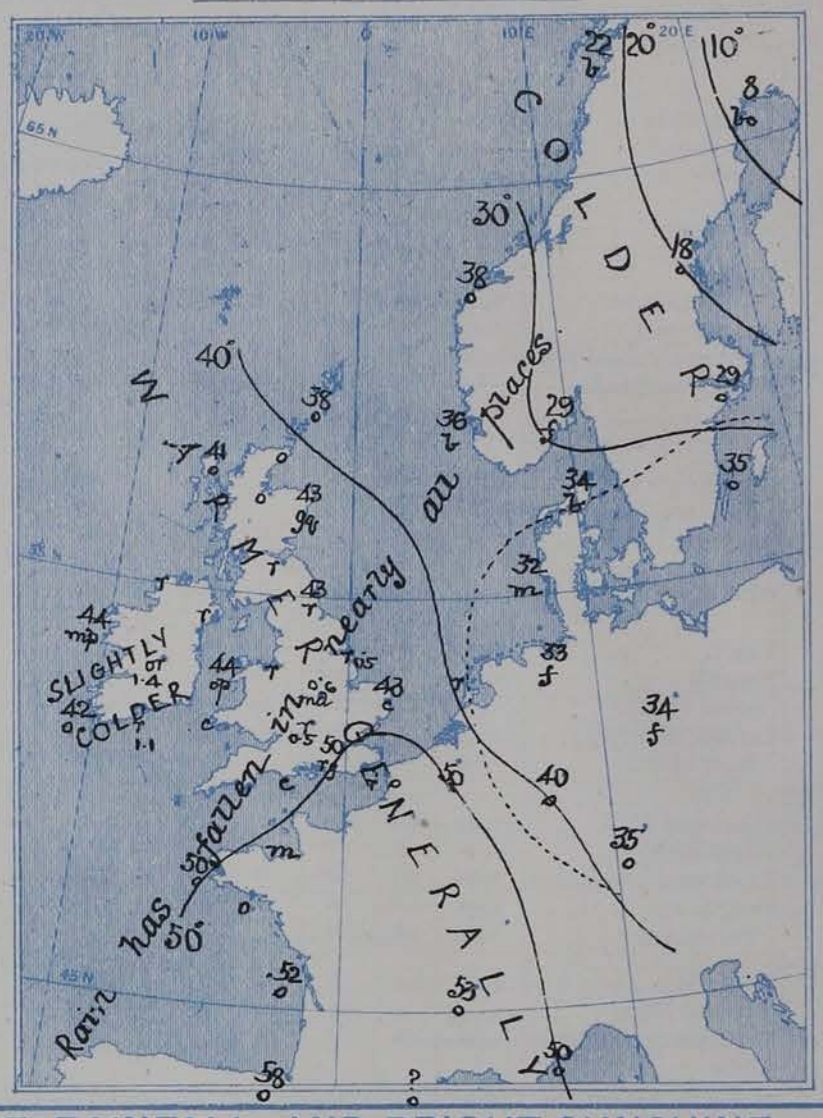


TEMPERATURE AND WEATHER.

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	36·2	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	14	1881	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	29·950	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 30.0 ins. to 30.1 ins. and upwards in an anticyclone lying over Scandinavia, Denmark, Germany and the extreme south of France.
Lowest 29.4 ins. and less in a depression with its centre over the St. George's Channel.
Gradients moderate over our Islands and the North Sea, slight elsewhere.
Barometer falling in our Islands & also in Denmark, Germany and the Netherlands, rising in Scandinavia & also in France.

TEMPERATURE

Highest 58° at Biarritz, 53° at Lyons, 52° at Gris Nez and Rochefort and 51° at Jersey & Dungeness.
Lowest 8° at Haparanda, 18° at Hernosand, 22° at Bodo, and 29° at Stockholm and Faerder; lowest in our Islands 37° at Nairn.
A considerable rise has taken place over England, the change since yesterday morning being as much as 16° at Oxford.

WIND

Light from the SW^wd. or W^wd. in the west of France; moderate to fresh from the S^wd. in the S. of England.
Strong from the E^wd. or SE^wd. over all the more northern parts of our Islands, and light from the same quarters over Germany and the eastern shores of the North Sea; N^ly. or NW^ly. in Sweden.

WEATHER

Dull over W^rn. Europe generally, with rain in most parts of England, Ireland and the south of Scotland.
Fine at some of the Scandinavian stations, but foggy at Faerder & Karlstad & also over N. Germany.
Since yesterday morning rain has fallen in most parts of our area, the largest amounts reported being 1.4 in. at Parsonstown, 1.1 in. at Rocke's Pt., and 0.6 in. at Loughborough.

SEA

High at Donaghadee, rough at Spurn Pt. and rather rough in the Straits of Dover, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression has appeared over the SW. of our Islands, and is moving slowly northward. Unsettled weather seems likely to continue in most districts, with a further increase of wind from the eastward and southeastward on our NE. coasts.

FORECASTS

For the 24 hours ending at NOON on 3RD JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^ly. and SE^ly. winds increasing in force, dull, some rain.
↑ 1	SCOTLAND EAST	E^ly. and SE^ly. winds, strong to a gale, squally, rainy.
↑ 2	ENGLAND N.E.	
↑ 3	ENGLAND EAST	S^ly. to SW^ly. winds, freshening considerably, dull and rainy at first, some improvement later.
4	MIDLAND COUNTIES	
↑ 5	ENGLAND SOUTH	
6	SCOTLAND WEST	E^ly. and NE^ly. winds, strong; squally, rainy.
7	ENGLAND N.W.	
↑ 8	ENGLAND S.W.	SW^ly. to W^ly. winds, strong; squally, showery.
9	IRELAND NORTH	Same as Nos 6 and 7.
↑ 10	IRELAND SOUTH	W^ly. and NW^ly. winds, freshening; squally, showery.
	WARNINGS	At 7.40 pm yesterday to districts 3 and 5. and at 10.20 am today to districts 1 and 2. Hoist South Cone. The Signals are also flying in districts 8 and 10.

Note.—The **South Cone**, *point downwards* (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.88	44	42	WSW	2	o	3
Sumburgh Head	29.84	42	39	NW	3	be	5
Stornoway... ...	29.91	38	36	NNW	3	o	3
Aberdeen							
Shields	29.94	37	35	SW	2	bm	2
Malin Head ...	29.75	44	44	SE	2	o	3
Blacksod Pt.. ...	29.64	45	44	ESE	3	cp	3
Holyhead	29.80	46	43	ENE	1	o	1
Valencia	29.58	45	42	E	2	ov	4
Scilly							
Jersey	29.83	47	46	ESE	3	or	3
Portland Bill ...	29.87	46	46	SE	3	om	4
Dungeness ...	29.90	47	47	S	1	o	1
London (Westminster)	29.90	45	44	L	o	fgl	*
Yarmouth ...	29.93	48	42	SE	3	c	3
Rochefort ...	29.73	53	50	ESE	2	o	*

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

Continental information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 3rd January, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia.	Haparanda	30·11	9	NW	2	c	30·17	+ ·12	−1	−2	− 9	N	2	b	*	c	*	16	?	—
	Hernösand	30·12	18	2	0	0	30·08	− ·02	19	18	+ 1	NE	4	s	*	0	*	19	12	0·12
	Stockholm	30·13	27	2	0	0	30·04	− ·04	30	29	+ 1	SE	1	0	*	0	*	34	27	—
	Wisby	30·12	31	ENE	4	0	29·96	− ·10	33	31	− 2	SE	4	0	*	0	*	36	28	—
	Karlstad	30·08	32	N	2	0	29·95	− ·13	31	31	− 2	E	2	0	*	0	*	*	*	—
	Bodö	30·00	23	E	2	0	30·04	+ ·03	21	19	− 1	E	2	0	2	0	*	23	18	—
	Christiansund ...	30·01	36	WSW	2	s	30·01	+ ·01	36	33	− 2	E	2	0	3	s	*	41	32	—
	Skudesnaes ...	29·90	39	NNW	2	0	29·71	− ·32	40	36	+ 4	ENE	2	0	2	m.0	*	40	36	*
	Færder (X'iania Fjord)	30·06	30	NE	2	0	29·86	− ·19	31	31	+ 2	NNE	5	0	2	0	*	31	27	—
	The Scaw (Skagen)																*			
	Fanö	29·72	36	ENE	4	r	29·54	− ·51	33	33	+ 1	SE	2	r	*	r	*	36	32	0·32
	Sumburgh Head ...	29·84	42	ENE	3	c	29·71	− ·24	41	38	+ 3	ENE	5	0	6	0.c	*	43	35	0·04
	Stornoway	29·70	43	E	4	c	29·63	− ·19	43	41	+ 2	E	6	0	6	0.c	0·0	44	38	0·05
	Wick	29·75	43	NE	6	0	29·64	− ·28	42	41	+ 1	NE	7	rw	6	0	*	44	40	0·10
	Nairn	29·65	42	E	4	0	29·54	− ·30	39	38	+ 2	ENE	4	r	3	0	*	42	35	0·48
	Aberdeen	29·63	41	ENE	9	orgq	29·47	− ·39	38	37	− 5	NE	9	orgq	8	gq.rgq	0·0	44	37	1·10
British Islands.	Leith	29·49	41	ENE	4	r	29·35	− ·36	42	41	0	NW	2	r	*	r	*	?48	38	0·68
	Shields	29·43	45	E	2	0	29·33	− ·34	42	42	− 1	SSW	1	w	3	r.0	*	45	39	0·84
	Spurn Head ...	29·46	44	SSE	4	f	29·36	− ·18	41	41	− 3	SSE	3	b	3	r.f	*	45	39	0·17
	Loughborough ...	29·49	42	S	1	c	29·33	− ·20	38	37	− 6	SE	2	bmw	*	gr.c.o.b	*	50	38	0·10
	Malin Head ...	29·41	40	E	7	r	29·37	− ·18	41	41	− 2	N	5	omp	5	r	*	43	40	0·07
	Blacksod Pt. ...	29·40	44	N	6	ofq	29·40	− ·10	44	42	0	NNE	3	cp	3	ofq	*	44	40	0·22
	Donaghadee ...	29·38	46	ENE	5	o	29·32	− ·18	45	45	+ 1	ENE	2	rw	3	ow	*	46	43	0·49
	Liverpool (Bidston)	29·44	44	ESE	1	0	29·27	− ·19	41	40	− 1	ESE	2	o	?	orq	*	46	39	0·09
	Holyhead	29·37	45	S	2	cmdp	29·25	− ·15	43	42	− 1	NE	2	c	1	cm.dp	*	48	39	0·02
	Parsonstown ...	29·31	40	SE	1	c	29·36	+ ·02	32	31	− 12	NE	1	f	*	o.c	0·0	45	30	0·02
	Valencia	29·30	43	2	0	r	29·39	·00	45	43	+ 3	N	3	o	4	rq.r	0·0	45	40	0·39
	Roche's Point ...	29·29	40	N	1	b	29·34	− ·01	39	38	− 4	NNW	3	b	3	b	*	46	38	0·03
	Pembroke (St. Ann's Hd.)	29·37	47	SSW	4	c	29·23	− ·13	41	39	− 8	NE	3	bc	2	c	2·1	50	39	0·23
	Scilly																			
	Jersey (St. Aubin's) ...	29·54	49	SSE	3	cg	29·31	− ·25	47	45	− 4	SSW	7	o	6	c.pg	*	51	46	0·04
	Portland Bill ...	29·50	48	SSW	4	c	29·20	− ·32	44	43	− 5	S	6	or	5	bc.c	*	51	41	0·18
	Dungeness	29·57	50	W	3	c	29·41	− ·18	48	47	− 3	SSW	5	c	3	c	*	52	47	0·02
	London (Brixton) ...	29·54	47	SW	2	0	29·35	− ·19	45	43	− 5	SSW	2	c	*	og.b	0·0	52	43	0·02
	Oxford	29·50	45	SE	2	0	29·29	− ·22	44	41	− 5	SE	2	0	*	o.p	*	50	42	0·02
	Yarmouth	29·52	48	SSW	3	c	29·42	− ·19	43	42	0	S	2	bc	3	r.cm	*	48	40	0·03
Germany.	Cuxhaven	29·73	34	ESE	3	0	29·53	− ·43	41	40	+ 8	S	1	f	*	0	*	41	33	0·43
	Berlin	29·86	36	E	2	r	29·66	− ·37	38	38	+ 4	SSE	2	0	*	r	*	38	34	0·16
	Wiesbaden	*	*	*	*	*	29·65	− ·29	43	43	+ 3	NE	1	r	*	*	*	43	40	0·28
	Munich	29·86	35	SE	2	c	29·75	− ·26	30	30	− 5	SE	2	0	*	c	*	41	30	0·04
France & Netherlands.	The Helder ...																*			
	Brussels	*	*	*	*	*	29·56	− ·19	45	44	− 5	SSW	3	r	*	r	*	53	44	0·20
	C. Gris Nez ...	29·59	48	WSW	4	0	29·47	− ·15	45	44	− 7	SW	5	0	5	0	*	54	43	—
	Paris	29·63	50	SSW	2	r	29·57	− ·16	44	42	− 9	S	2	0	*	r	*	54	44	0·39
	Brest	29·52	46	SW	4	r	29·31	− ·24	50	50	0	WNW	4	c	4	r	*	52	48	0·16
	Lorient	29·55	49	SW	6	r	29·39	− ·24	50	50	+ 2	WSW	5	r	5	r	*	54	48	0·16
	Rochefort	29·67	50	NW	3	0	29·61	− ·06	49	47	− 3	SW	4	0	*	0	*	55	46	—
	Belfort	29·75	47	NE	3	0	29·62	− ·28	43	43	− 2	ENE	2	r	*	0	*	50	43	0·28
	Lyons	29·77	61	S	3	0	29·57	− ·26	56	53	+ 3	S	5	0	*	0	*	64	53	0·04
	Nice																*			
	Perpignan	29·74	65	S	4	b	29·68	− ·10	54	50	− 3	N	2	b	*	b	*	71	53	0·04
	Biarritz	29·76	52	W	2	r	29·73	+ ·01	48	46	− 10	SW	4	r	4	r	*	58	45	1·18
Span. Pen.	Corunna																*			
	Lisbon	29·95	50	N	1	b	29·99	+ ·11	48	45	− 2	WNW	3	bc	*	b	*	55	46	—
	Azores (P. Delgada)	30·13	57	SSW	5	0	30·11	− ·19	59	58	+ 8	SE	5	q	6	0	*	61	51	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 hrs.

WEATHER CHARTS

FOR Wednesday, 3rd January, 1900.

BAROMETER, WIND AND SEA.

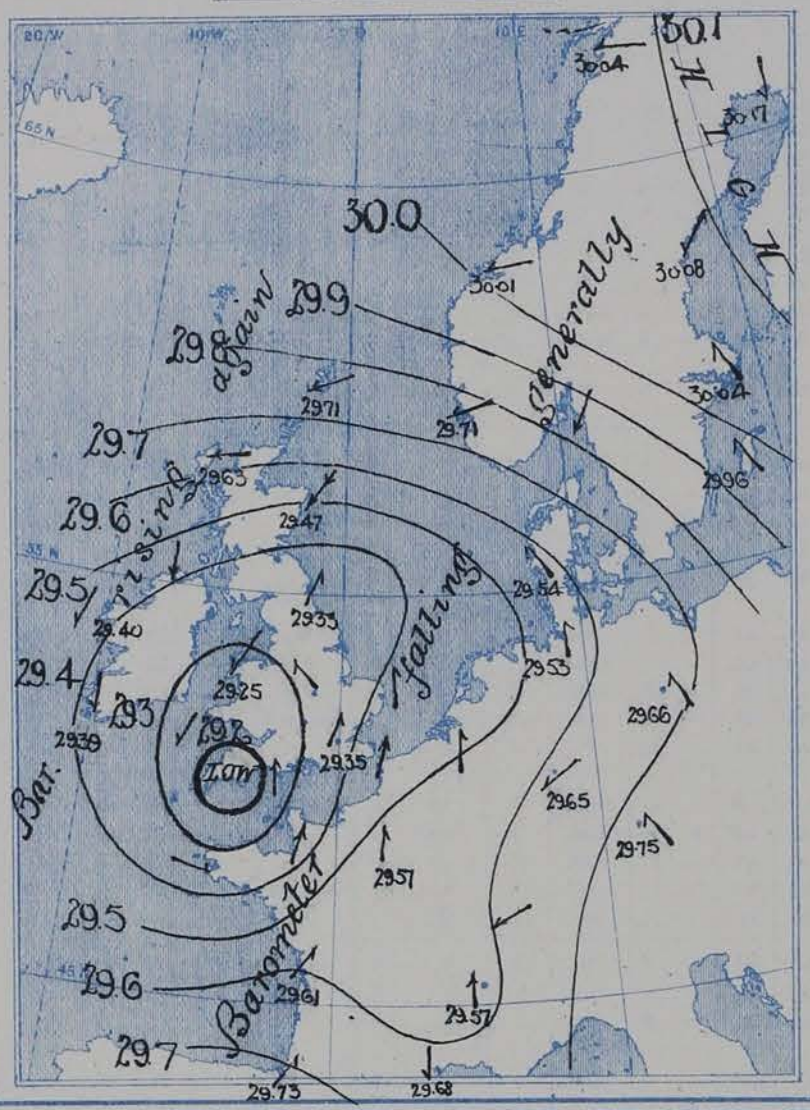
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

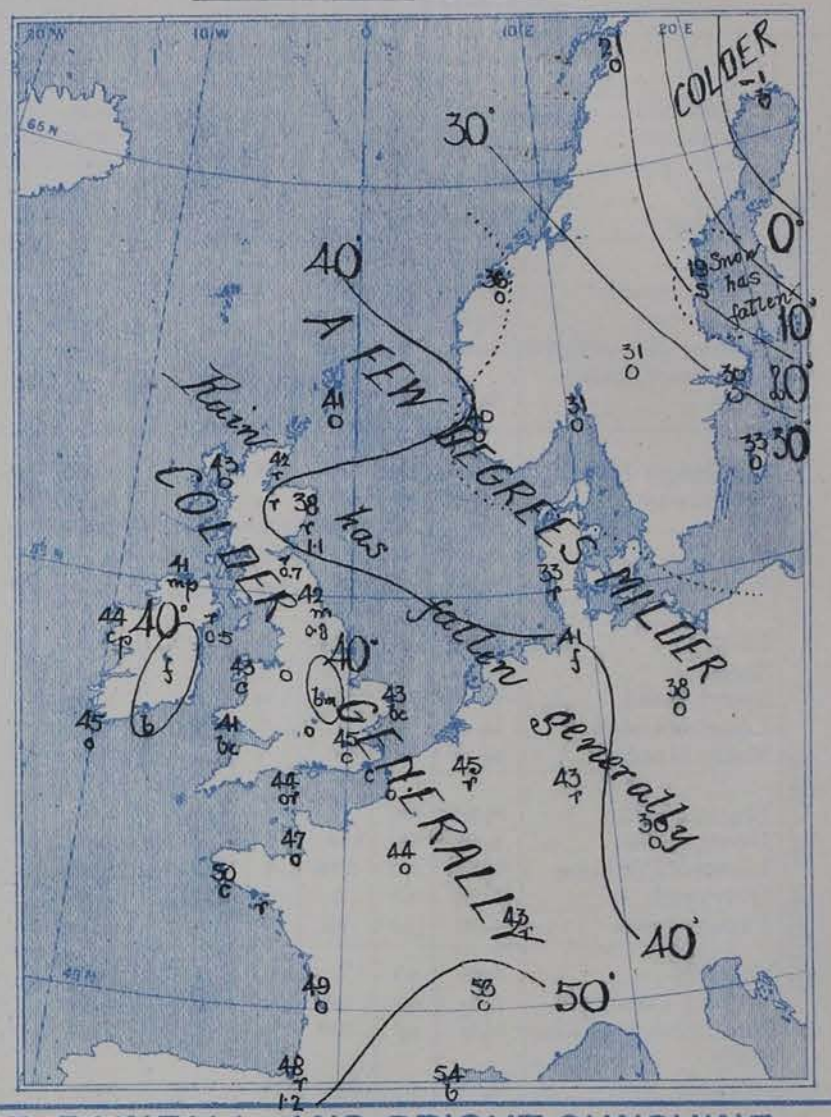


TEMPERATURE AND WEATHER.

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	14	1881	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	29·950	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) 30.17 ins. at Haparanda, and 30.0 ins. to 29.7 ins. all over Norway and the S. of Sweden; (2) 29.73° at Biarritz.
Lowest 29.2 ins. and less in a depression the central area of which lay over Devonshire.
Gradients, for E.¼ winds, were moderate in the N, those for S.¼ to W.¾ winds were slight in the S.
Barometer falling fast in the E. and S., rising in the W.

TEMPERATURE

Highest 56° at Lyons, 50° at Brest, 48° at Dungeness, 45° at Valencia, 42° at Shields.
Lowest (1) 32° at Parsonstown, 38° at Aberdeen; (2) -1° F at Haparanda, +19° at Hernösand, 21° at Bodo.
It rose yesterday to 50° or 52° over many of the southern parts of England, and fell to 30° at Parsonstown during the night.

WIND

S.¼ fresh to a gale over the English Channel, SSE.¼ and moderate on our east coasts, NE.¼ strong to a gale in Scotland, N.¼ moderate to strong over Ireland and the Irish Sea.

WEATHER

Moderately clear at some of our W.rn stations, and also at Yarmouth, very changeable dull and unsettled elsewhere, with much rain both at Biarritz and in the E. of Scotland, and smaller quantities elsewhere, fog at Parsonstown.
Rain has fallen more or less in all parts of the Kingdom. Bright Sunshine amounted to 2 hrs. at Pembroke; elsewhere there was none – In London the sky was very bright at 6 am. today.

SEA

Rough both on our N.rn coasts and in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression appears to be moving ESE.wds and E.¼ to N.¼ winds are spreading over the country. Rain is probable all over England, followed by colder weather and sleet or snow in several places.

FORECASTS

For the 24 hours ending at NOON on 4TH JANUARY 1900

DISTRICTS.		FORECASTS.
↑ 0	SCOTLAND NORTH	NE.¼ gales, rain, possibly sleet.
↑ 1	SCOTLAND EAST	
↑ 2	ENGLAND N.E.	Wind shifting to NE., strong, rainy.
↑ 3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as No. 2.
↑ 5	ENGLAND SOUTH	S.¼ to SE.¼ winds, increasing; dull to rainy.
↑ 6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	Same as No. 2.
8	ENGLAND S.W.	N.¼ winds, freshening; cold, some showers.
↑ 9	IRELAND NORTH	N.¼ winds, strong in places; some cold showers.
10	IRELAND SOUTH	
	WARNINGS	At 7.15 pm yesterday to districts 2, 6 and 9 Hoist North Cone. The South Cone is still up in districts 1, 2, 3 and 5.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.99	39	38	SE	1	m	2
Sumburgh Head	29.90	42	40	ENE	2	0	4
Stornoway... ...	29.74	44	42	SE	4	0	4
Aberdeen	29.72	43	41	E	5	ogq	7
Shields	29.46	44	44	E	4	r	4
Malin Head ...	29.44	40	40	E	7	r	6
Blacksod Pt.. ...	29.41	43	42	NNE	6	opq	5
Holyhead	29.39	47	46	S	3	cm	2
Valencia	29.28	43	42	NNW	2	rq	4
Scilly							
Jersey	29.60	50	48	SSW	3	c	2
Portland Bill ...	29.53	50	47	SSW	4	bc	4
Dungeness ...	29.57	52	51	SSW	4	0	4
London (Westminster)	29.52	52	50	SW	2	0	*
Yarmouth ...	29.55	45	44	S	3	r	4
Rochefort ...	29.67	52	50	SSW	2	0	*

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

Weather in morning fair over N^rn. Europe (clear in places), dull over the more S^rn. countries, foggy over central Europe, rainy over Ireland, England and many parts of France. Rain later in all parts of our Islands and France, heavy at Aberdeen and Biarritz; remaining fair over N^rn. Europe.

Temperature high over W^rn. Europe for time of year. Highest 59° to 57° in the SW. of France, 53° at Paris, 50° in London. Lowest (1) 8° at Haparanda, 9° at Archangel, 22° at Bodö, 23° at Moscow, 33° at Warsaw; (2) 44° to 42° over Ireland. Exceeding 50° over all the S^rn. parts of England and Wales during the day, and touching 55° at Rochefort, 64° at Lyons, and 71° at Perpignan.

Wind (1) very light and variable (but mainly N^ly.) over all the northern and eastern countries of Europe; (2) E^ly. strong over the northern parts of our Islands, S^ly. moderate over the S^rn. parts of England, SW^ly. over France. Rising to a gale in the east of Scotland later and veering to SW., temporarily over England.

Barometer highest 30.4 ins to 30.2 ins. over SE^rn. Europe; exceeding 30.0 ins. over the Scandinavian Peninsula and the greater part of the Mediterranean. Lowest (1) 29.4 ins. and less in a depression over the S. of Ireland and St. George's Channel; (2) 29.9 ins. and less in another over Finland and the N. of Russia. Depression in our Islands becoming deeper later and moving ESE.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 4th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. At 8h 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	30·20	1	SW	0	0	30·23	+ ·06	2	2	+ 3	SW	0	0	*	0	*	9	−6	—
	Hernösand	30·13	17	NE	2	0	30·23	+ ·15	11	10	— 8	N	4	c	*	0	*	19	11	0·04
	Stockholm	29·93	31	E	2	0	29·91	− ·13	22	21	— 8	NNE	6	0	*	0	*	32	22	—
	Wisby	29·78	31	E	4	0	29·67	− ·29	28	28	— 5	E	8	s	*	0	*	33	27	0·35
	Karlstad	29·85	30	NE	2	0	29·89	− ·06	28	27	— 3	NNE	4	0	*	0	*	*	*	0·04
	Bodö	30·10	19	E	2	b	30·12	+ ·08	17	15	— 4	E	2	b	1	b	*	21	14	—
	Christiansund ...	29·95	33	E	2	b	30·01	·00	32	30	— 4	ENE	3	c	3	b	*	36	30	0·08
	Skudesnaes ...	29·71	36	ESE	4	0	29·80	+ ·09	33	32	— 7	ENE	4	0	2	0	*	40	33	*
	Færder (X'iania Fjord)	29·78	30	NNE	6	s	29·83	− ·03	30	29	— 1	NE	6	s	3	s	*	32	28	—
	The Scaw (Skagen)																*			
	Fanö	29·50	36	ESE	1	r	29·54	·00	34	34	+ 1	ESE	1	f	*	r	*	36	33	0·20
British Islands.	Sumburgh Head ...	29·78	41	NE	4	c	29·87	+ ·16	39	37	— 2	NE	4	0	6	c	*	42	36	—
	Stornoway	29·84	43	ENE	5	0	29·98	+ ·35	37	36	— 6	NNE	5	c	5	0	0·0	44	34	0·08
	Wick	29·76	38	NE	6	0	29·88	+ ·24	39	36	— 3	ENE	4	ow	5	0, hp	*	44	35	0·18
	Nairn	29·72	41	NNE	5	0	29·88	+ ·34	37	36	— 2	NW	4	s	3	r, 0	*	42	34	0·84
	Aberdeen	29·66	38	NE	9	orgq	29·81	+ ·34	38	35	0	N	5	ogq	6	orgq	0·0	39	36	0·55
	Leith	29·58	39	NW	5	r	29·80	+ ·45	39	36	— 3	N	1	0	*	r	*	42	37	0·08
	Shields	29·45	44	SW	0	bm	29·65	+ ·32	39	38	— 3	NNE	4	r	4	om, bm, q	*	45	37	0·10
	Spurn Head ...	29·35	42	E	3	p	29·52	+ ·16	41	40	0	N	6	0	4	p	*	44	40	0·12
	Loughborough ...	29·29	43	NE	3	0	29·62	+ ·29	39	37	+ 1	NNW	4	og	*	c, om, dg	*	43	38	0·35
	Malin Head ...	29·60	43	NE	6	opdm	29·93	+ ·56	42	41	+ 1	NE	5	be	5	o, pdm	*	43	41	0·02
	Blacksod Pt. ...	29·65	44	NNE	7	cpq	30·03	+ ·63	43	40	— 1	NNE	5	c	4	cpq	*	45	40	0·07
	Donaghadee ...	29·57	44	NNE	5	cq	29·87	+ ·55	42	40	— 3	N	5	cq	5	cq	*	46	40	0·10
	Liverpool (Bidston)	29·40	40	NNE	2	0	29·74	+ ·47	38	36	— 3	NW	4	bc	3	rf, 0	*	44	37	0·14
	Holyhead	29·41	44	NE	3	dgm	29·79	+ ·54	43	39	0	NNE	5	c	4	0, dgm	*	46	39	0·04
	Parsonstown ...	29·52	40	NW	1	0	29·94	+ ·58	34	32	+ 2	NNW	1	b	*	od	0·0	42	31	0·05
	Valencia	29·56	47	N	4	og	29·99	+ ·60	43	38	— 2	NNE	4	bc	4	bc, og	3·1	47	41	0·04
	Roche's Point ...	29·49	45	NNW	5	c	29·91	+ ·57	40	37	+ 1	N	4	b	3	c	*	46	38	—
	Pembroke (St. Ann's Hd.)	29·38	43	NW	3	r	29·74	+ ·51	42	39	+ 1	NNE	3	c	2	r	0·2	45	39	0·10
	Scilly																*			
	Jersey (St. Aubin's) ...	29·44	47	W	4	og	29·62	+ ·31	44	43	— 3	WNW	2	ow	2	cp, og	*	52	43	0·27
France & Netherlands. Germany.	Portland Bill ...	29·34	46	WNW	7	c	29·65	+ ·45	42	40	— 2	N	4	0	4	0, c	*	47	40	0·22
	Dungeness	29·38	48	WSW	6	0	29·54	+ ·13	41	41	— 7	NW	3	b	3	c, 0	*	49	41	0·07
	London (Brixton) ...	29·28	44	SW	2	od	29·59	+ ·24	43	40	— 2	NW	3	0	*	cp	0·4	48	40	0·11
	Oxford	29·31	42	SW	2	0	29·63	+ ·34	40	39	— 4	NNW	4	0	*	or	*	45	40	0·17
	Yarmouth	29·34	44	S	2	r	29·46	+ ·04	41	40	— 2	NW	3	c	4	c, r	*	44	39	0·26
	Cuxhaven	29·47	39	SW	0	f	29·51	− ·02	38	37	— 3	SW	0	r	*	fr	*	43	36	0·43
	Berlin	29·50	41	SSE	3	r	29·65	− ·01	37	36	— 1	SW	2	b	*	r	*	45	36	0·08
	Wiesbaden	*	*	*	*	*	29·70	+ ·05	41	40	— 2	W	3	0	*	*	*	46	39	0·35
	Munich	29·71	41	SW	2	b	29·79	+ ·04	36	36	+ 6	SSW	2	0	*	b	*	41	30	0·24
	The Helder ...	29·47	41	SSE	1	0	29·45		39	39		SSE	1	r	1	0	*	45	37	0·08
	Brussels	*	*	*	*	*	29·57	+ ·01	42	41	— 3	SSW	4	0	*	0	*	48	40	—
	C. Gris Nez ...	29·39	46	WSW	6	r	29·56	+ ·09	43	41	— 2	NW	5	0	5	r	*	48	41	0·32
	Paris	29·55	47	S	4	be	29·64	+ ·07	45	44	+ 1	SSW	3	0	*	be	*	49	44	0·16
	Brest	29·49	46	W	8	r	29·63	+ ·32	46	43	— 4	N	1	be	4	r	*	54	45	0·16
	Lorient	29·53	?	W	5	c	29·64	+ ·25	45	44	— 5	NNW	3	0	3	c	*	52	43	0·08
	Rochefort	29·62	50	WSW	4	c	29·65	+ ·04	48	46	— 1	SW	2	0	*	c	*	52	45	0·20
	Belfort	29·75	40	SW	3	r	29·75	+ ·13	40	38	— 3	W	1	0	*	r	*	48	37	0·51
	Lyons	29·80	42	ESE	4	0	29·79	+ ·22	41	41	— 15	WNW	1	f	*	0	*	58	39	0·24
	Nice	29·80	54	SW	1	r	29·74		50	50		SW	0	0	4	r	*	55	50	0·20
	Perpignan	29·78	50	WNW	2	0	29·75	+ ·07	44	42	— 10	W	2	b	*	0	*	53	42	—
	Biarritz	29·74	51	WSW	2	b	29·72	− ·01	44	40	— 4	S	2	b	4	b	*	54	41	—
Span. Pen.	Corunna																*			
	Lisbon	29·86	50	S	2	r	29·67	− ·32	47	47	— 1	NNE	2	be	*	r	*	54	46	0·27
	Azores (P. Delgada)	26·08	55	NNE	4	be	30·35	+ ·24	54	50	— 5	NNE	4	be	3	be	*	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Thursday, 4th January, 1900

BAROMETER, WIND AND SEA.

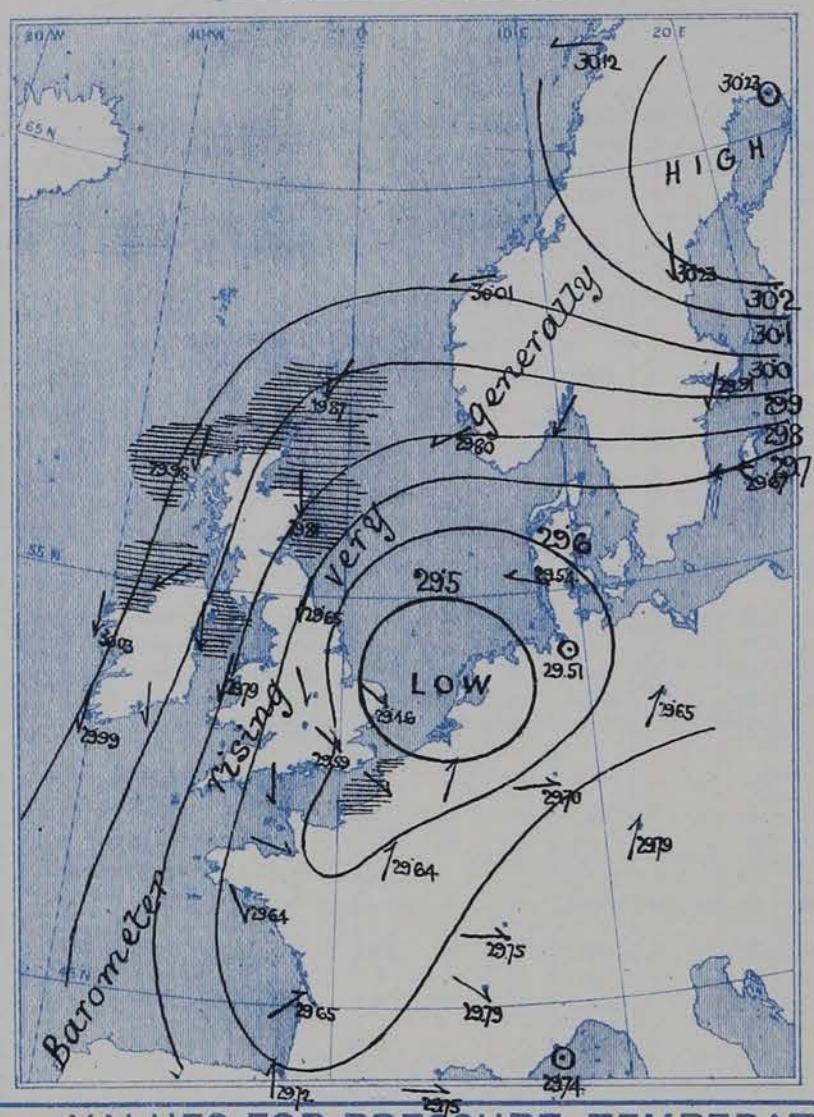
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

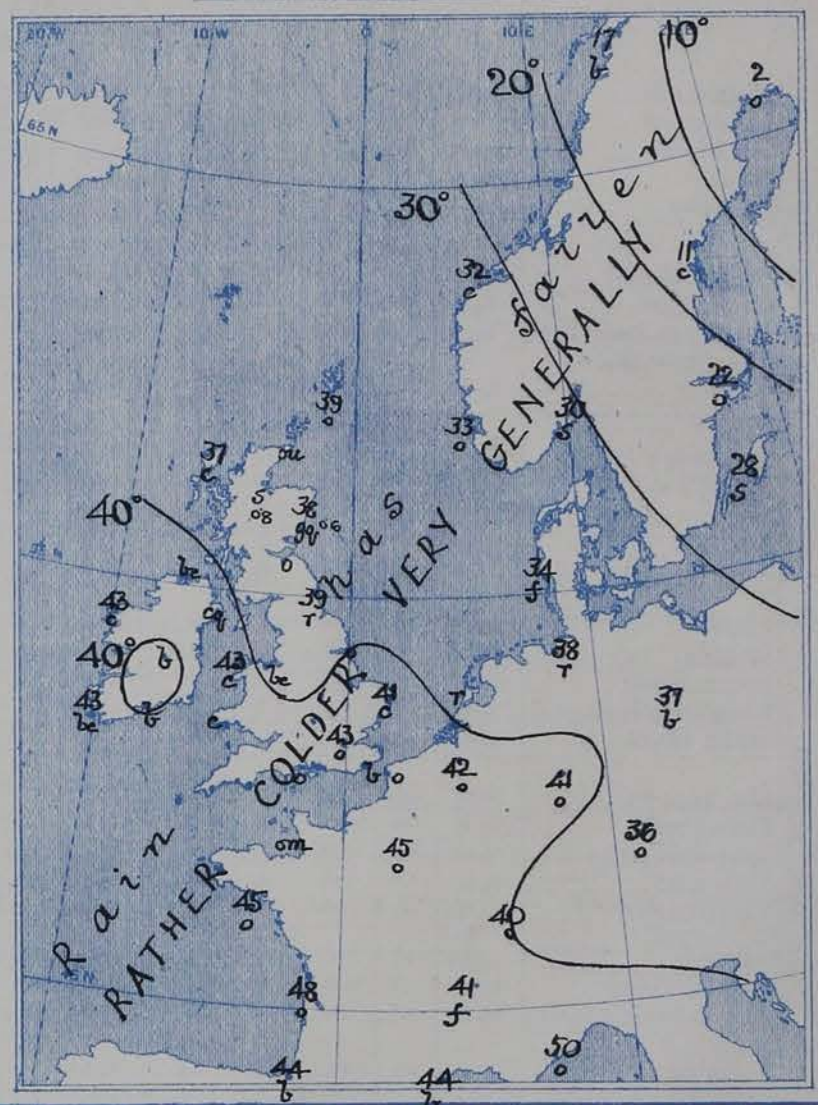


TEMPERATURE AND WEATHER.

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	14	1881	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) 30.23 ins. at Haparanda, and exceeding 30.0 ins. over all the N^rn. parts of Scandinavia; (2) 30.0 ins. in the W. of Ireland

Lowest below 29.5 ins. in a depression lying over the S^rn. parts of the North Sea and Holland.

Gradients moderate over our Islands.

Barometer rising generally, rapidly in the W.

TEMPERATURE

Highest 50° at Nice, 48° at Rochefort, 45° at Lorient, 44° at Jersey, 43° at Valencia & in London.

Lowest (1) 2° F. at Haparanda, 11° at Hernösand; (2) 37° at Nairn, 39° at Shields & Loughborough; (3) 36° at Munich, 37° at Berlin, 38° at Cawdor.

The maximum exceeded 40° at all the British and Irish stations yesterday, but it was only at Jersey and in the W. and S. of France that the thermometer rose above 50°.

WIND

NE.ly in the north of Scotland, N.ly to NW.ly over England and Ireland. In force it was fresh at the northern and western stations, moderate to light elsewhere.

The gale in the north and east of Scotland has subsided.

WEATHER

Dull and rather showery over Gt. Britain, with snow at Nairn; fair at our most W^rn. stations. Rain has fallen everywhere, heavily in the east of Scotland; hail has occurred at Wick.

Bright sunshine amounted to 3 hrs. at Valencia, but there was exceedingly little elsewhere — in most places none.

SEA

Continued rough in the N., moderate as a whole elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer continues briskly even in the far W., and cold dry N.ly winds are likely to be prevalent, with slight cold showers in places, but bright intervals.

FORECASTS

For the 24 hours ending at NOON on 5TH JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE.ly to N.ly winds, strong to moderate; cold showers, bright intervals.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NW.ly to N.ly winds, fresh to moderate; cold showers, bright intervals.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N.ly winds, fresh; fair as a whole, but some showers, colder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.71	39	34	NE	4	o	3
Sumburgh Head	29.74	41	36	ENE	5	c	6
Stornoway... ...	29.73	44	41	ENE	7	o	7
Aberdeen	29.55	39	38	NE	9	orgq	8
Shields	29.38	44	44	E	1	om	3
Malin Head ...	29.43	42	40	ENE	7	o	6
Blacksod Pt.. ...	29.48	44	42	NNE	5	epq	4
Holyhead	29.29	44	43	NE	3	o	2
Valencia	29.49	46	43	ENE	3	bc	4
Scilly							
Jersey	29.36	51	47	SW	5	ep	5
Portland Bill ...	29.23	46	44	WNW	6	o	5
Dungeness ...	29.31	48	47	SSW	7	c	5
London (Westminster)	29.24	48	44	SSW	3	op	*
Yarmouth ...	29.36	44	43	SE	4	c	4
Rochefort ...	29.58	51	48	WSW	5	c	*

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

Weather in morning fine over the Spanish Peninsula, several parts of England and in some parts of N^rn. Europe, dull and unsettled as a whole, and changeable; rain at times on our N^rn., W^rn. and S^rn. coasts and in France. Rain later in all parts of the Kingdom (heavily in the E. of Scotland) hail at Wick.

Temperature in morning highest 72° at Algiers, 61° at Malta, 56° at Toulon; 50° on the coasts of Brittany, 45° both at Valencia and in London. Lowest (1) -1° F. at Haparanda, +5° at Archangel, 11° at S^t. Petersburg, 27° at Riga; (2) 37° to 32° over central Europe; (3) 38° at Aberdeen and at Loughborough, 39° at Nairn. Exceeding 40° all over our Islands later, and touching 52° at Jersey and in the W. of France, 54° at Biarritz.

Wind (1) E^ly moderate in Norway, E^ly to NE^ly, a gale, in Scotland, N^ly fresh to moderate in Ireland; (2) W^ly to S^ly over France, S^ly over England (very strong in the Channel) SSE^ly; moderate over the Baltic and southern parts of the North Sea, SE^ly to S^ly over the Mediterranean. Gale in northeast of Scotland continuing all day.

Barometer (1) 30.1 ins. and more to 30.0 ins. over the Gulf of Bothnia, the northern parts of Scandinavia and the W. of Russia; (2) 30.0 ins. to 29.8 ins. over nearly the whole of the Iberian Peninsula; (3) exceeding 30.2 ins. in Greece. Lowest 29.2 ins. and less in a depression lying over Devonshire and Wales. Latter disturbance moving eastwards later, and barometer rising fast on our W. and NW. coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Friday 5th January, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	30·23	−2	S	0	f	30·23	·00	4	3	+ 2	E	2	o	*	f	*	10	−8	—
	Hernösand	30·23	−1	S	0	b	30·25	+ ·02	?6	?7	− 5	S	2	b	*	b	*	16	−2	—
	Stockholm	30·03	16	NE	6	o	30·08	+ ·17	20	19	− 2	NNE	2	s	*	o	*	32	16	—
	Wisby	29·83	28	E	6	s	29·99	+ ·32	24	23	− 4	E	4	o	*	s	*	28	18	0·24
	Karlstad	30·06	21	ENE	6	o	30·19	+ ·30	17	16	− 11	NE	4	s	*	o	*	*	*	—
	Bodö	30·10	19	E	4	c	30·10	− ·02	23	21	+ 6	E	4	c	2	c	*	23	17	—
	Christiansund ...	30·09	25	ENE	1	b	30·13	+ ·12	24	22	− 8	ENE	1	b	3	b	*	32	23	—
	Skudesnaes ...	29·97	35	S	2	bc	30·08	+ ·28	31	28	− 2	ESE	4	bc	2	o. bc	*	36	30	
	Færder (X'iania Fjord)	30·02	22	ENE	6	o	30·16	+ ·33	20	19	− 10	N	4	o	2	o	*	30	19	0·12
	The Scaw (Skagen)																*			
	Fanö	29·72	33	ENE	5	s	29·89	+ ·35	31	30	− 3	ENE	6	c	*	s	*	36	30	0·16
British Islands	Sumburgh Head ...	29·99	39	NE	3	c	29·99	+ ·12	35	32	− 4	S	0	c	4	c	*	41	33	—
	Stornoway	30·04	36	NE	4	c	29·96	− ·02	40	36	+ 3	SE	4	o	4	hp, o, c	0·9	40	33	0·10
	Wick	30·01	38	E	4	o	30·00	+ ·17	35	34	− 4	S	0	o	3	o	*	41	34	0·04
	Nairn	30·01	40	E	3	o	30·00	+ ·12	35	34	− 2	SW	1	c	1	o	*	40	33	0·07
	Aberdeen	29·95	38	N	4	o gq	30·03	+ ·22	36	34	− 2	NW	2	o g	5	hq, o gq	0·0	39	35	0·05
	Leith	29·94	39	N	3	bc	30·02	+ ·22	37	35	− 2	N	1	osp	*	bc, m	*	41	35	—
	Shields	29·82	41	NNE	4	cp	29·97	+ ·32	40	37	+ 1	NE	3	o	4	c, rsp	*	43	35	0·03
	Spurn Head ...	29·69	40	N	7	c	29·89	+ ·37	38	38	− 3	NE	6	c	6	c, rq	*	43	36	0·12
	Loughborough ...	29·77	37	NNW	3	bc	29·94	+ ·32	35	34	− 4	N	2	cm	*	g, c, bc, o	*	41	35	—
	Malin Head ...	29·99	41	NE	4	b	29·98	+ ·05	38	36	− 4	SSE	1	c	1	b	*	42	36	—
	Blacksod Pt. ...	30·04	39	NNW	4	bq	29·96	− ·07	40	37	− 3	SSW	3	c	2	bcpq, bq	*	43	33	0·01
	Donaghadee ...	29·99	43	N	4	c	30·02	+ ·15	36	36	− 6	S	1	c	2	c	*	43	34	—
	Liverpool (Bidston)	29·86	36	NNW	2	bc	30·00	+ ·26	35	33	− 3	N	1	o	?	bcm	*	40	34	—
	Holyhead	29·89	42	NNE	6	c	29·98	+ ·19	38	36	− 5	ENE	2	c	1	c	*	43	36	—
	Parsonstown ...	29·99	36	NW	1	b	30·04	+ ·10	25	24	− 9	SE	1	m	*	b	5·5	41	24	—
	Valencia	30·05	41	NNE	1	c	30·03	+ ·04	32	31	− 11	E	1	bc	3	c	2·6	46	29	—
	Roche's Point ...	29·97	40	N	4	b	30·02	+ ·11	35	33	− 5	N	3	b	3	b	*	45	33	—
	Pembroke (St. Ann's Hd.)	29·85	45	ENE	3	bc	29·95	+ ·21	37	35	− 5	ENE	3	bc	2	bc	2·2	46	35	—
	Scilly																*			
	Jersey (St. Aubin's) ...	29·72	45	NNW	3	o g	29·85	+ ·23	42	39	− 2	NNW	3	op	3	op, o g	*	46	40	0·15
	Portland Bill ...	29·77	40	N	3	c	29·86	+ ·21	37	36	− 5	N	4	c	3	c	*	43	34	—
	Dungeness	29·66	41	NW	2	c	29·80	+ ·26	39	38	− 2	N	2	c	1	o. c	*	45	35	—
	London (Brixton) ...	29·71	39	N	3	o	29·87	+ ·28	40	38	− 3	NNE	2	o	*	or, ov	0·0	42	37	0·07
	Oxford	29·79	38	NW	3	o	29·91	+ ·28	37	36	− 3	N	3	o	*	o. r	*	41	36	0·03
	Yarmouth	29·61	41	NNW	3	c	29·82	+ ·38	39	38	− 2	N	5	cq	5	o, c	*	43	37	0·04
Germany	Cuxhaven	29·56	39	S	1	o	29·74	+ ·23	35	35	− 3	NE	2	o	*	r. o	*	43	34	0·12
	Berlin	29·70	41	S	3	c	29·72	+ ·07	37	36	0	N	0	f	*	c	*	46	36	—
	Wiesbaden	*	*	*	*	*	29·70	·00	38	37	− 3	SSW	2	o	*	*	*	46	37	—
	Munich	29·71	35	S	0	f	29·62	− ·17	33	33	− 3	W	4	s	*	f	*	41	32	0·39
France & Netherlands	The Helder ...																*			
	Brussels	*	*	*	*	*	29·76	+ ·19	37	37	− 5	SW	1	f	*	o	*	43	34	—
	C. Gris Nez ...	29·67	42	N	2	o	29·78	+ ·22	42	41	− 1	NNE	3	r	4	o	*	46	37	0·08
	Paris	29·67	43	S	0	o	29·76	+ ·12	39	36	− 6	N	1	m	*	o	*	47	39	0·24
	Brest	29·77	44	NE	2	o	29·88	+ ·25	41	40	− 5	NNE	2	c	2	o	*	50	39	—
	Lorient	29·73	44	NNE	4	c	29·86	+ ·22	41	41	− 4	N	4	c	4	c	*	48	39	—
	Rochefort	29·63	50	NNW	3	bc	29·78	+ ·13	42	41	− 6	NNE	3	bc	*	bc	*	52	39	0·32
	Belfort	29·67	42	W	2	o	29·69	− ·06	38	38	− 2	WSW	3	r	*	o	*	47	37	0·16
	Lyons	29·70	43	WNW	1	o	29·86	+ ·07	39	39	− 2	WNW	1	bc	*	o	*	48	38	0·04
	Nice	29·60	49	S	0	r	29·63	− ·11	42	42	− 8	E	1	bc	2	r	*	54	41	1·93
	Perpignan														*		*			
	Biarritz	29·71	51	WSW	4	bc	29·75	+ ·03	50	47	+ 6	NW	4	o	4	bc	*	52	44	0·12
Span. Pen.	Corunna														*		*			
	Lisbon	29·77	47	NNE	5	b	29·88	+ ·29	46	42	− 1	N	4	b	*	b	*	50	46	—
	Azores (P. Delgada)	30·38	55	N	3	b	30·86	+ ·01	89	56	+ 5	NNW	2	bc	2	b	*	61	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 4·6 *hrs.*

WEATHER CHARTS

FOR Friday, 5th January, 1900

BAROMETER, WIND AND SEA.

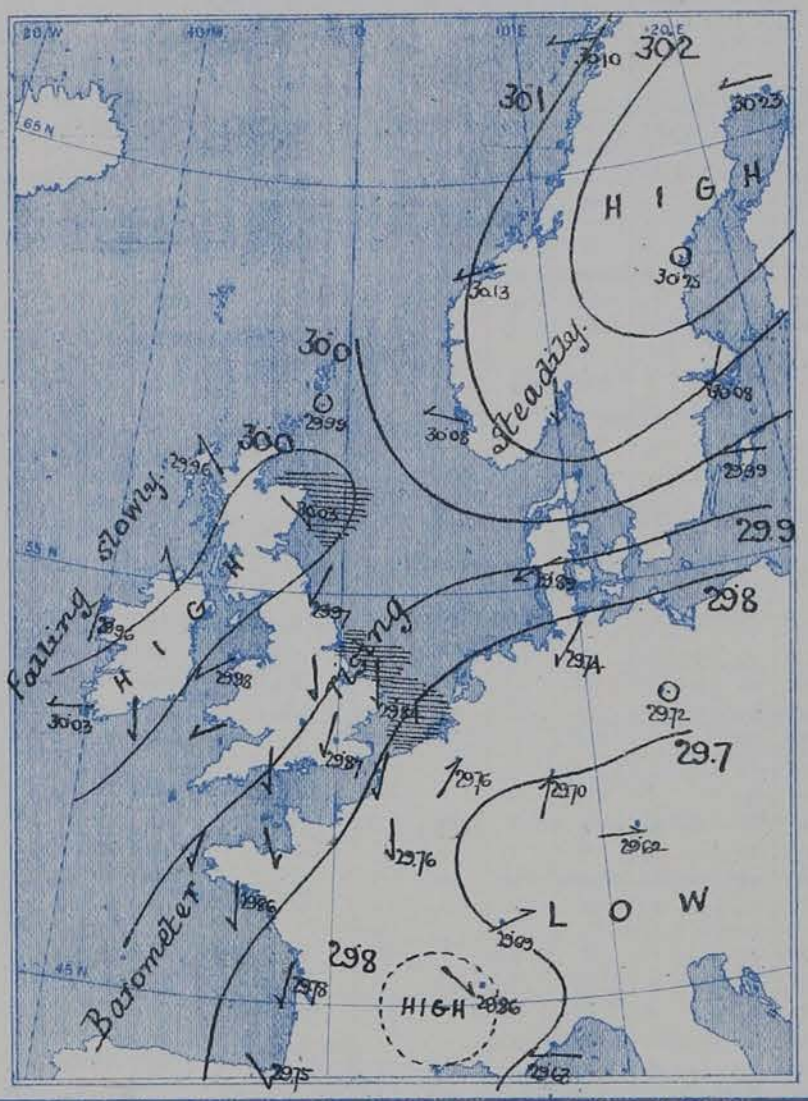
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▬

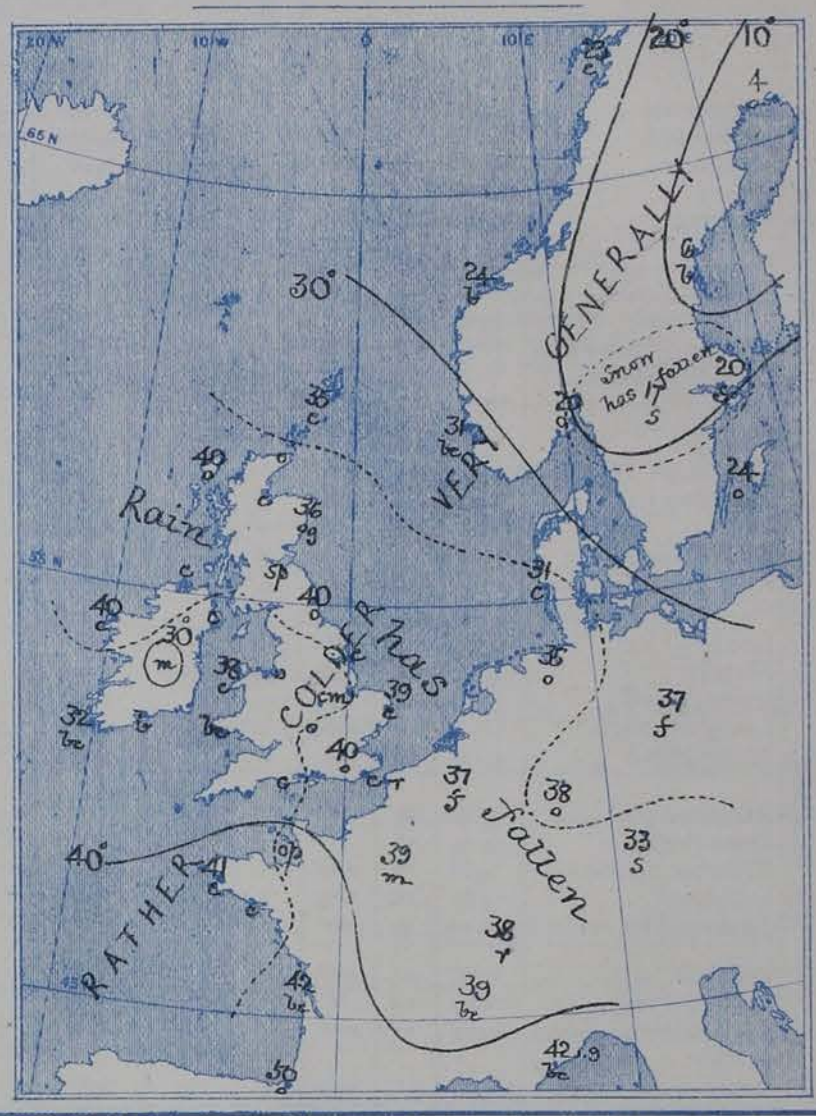


TEMPERATURE AND WEATHER.

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	14	1881	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	29·980	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) 30.2 ins. and more to 30.0 ins. over Scandinavia; (2) 30.0 ins. and more over Ireland and the E. and S. of Scotland.
Lowest below 29.7 ins over the NW. of Germany.
Gradients over our Islands slight.
Barometer rising in almost all places, but a fall has commenced on our extreme NW. coasts & in Finmark.

TEMPERATURE

Highest 50° at Biarritz, 42° at Rockport and Jersey; 40° at Stornoway.
Lowest 4° at Haparanda, 17° at Karlstad, 20° at Stockholm and Faerder; 25° at Parsonstown.
The maxima recorded yesterday were above 40° at all our stations excepting Aberdeen, and touched 46° at Valencia and Jersey. The minimum recorded at Parsonstown early this morning was 24°.

WIND

(1) E. ½ in Norway, NE. ½ and N. ½ over England and France; (2) In the Hebrides and north of Ireland, however, a SE. ½ to S. ½ wind had set in, and appeared to be spreading eastwards slowly.

WEATHER

Fine both in Ireland and Norway; dull elsewhere, foggy at Berlin and Brussels, with slight snow at Leith and in the S. of Sweden.
Cold showers were very general yesterday both at our Nrn. and SE. stations.
Bright Sunshine recorded yesterday was 5.5 hrs. at Parsonstown, 4.6 hrs. at Southport, and about 2½ hrs. on our SW. coasts, elsewhere the amounts reported were either nil or less than an hour.

SEA

Still rough in the E., but decreasing, slight or smooth in the W. and S.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A fine cold day and night are probable over England, but milder weather in Ireland and the W. of Scotland, spreading to this country tomorrow.

FORECASTS

For the 24 hours ending at NOON on 6TH JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW. ½ and S. ½ winds, fresh; rainy, milder.
1	SCOTLAND EAST	SW. ½ breezes and calms, fair; foggy, cold.
2	ENGLAND N.E.	
3	ENGLAND EAST	NE. ½ and N. ½ winds and calms; fine, local fogs, colder; very cold tonight.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE. ½ winds, moderate, fine, cold.
9	IRELAND NORTH	Variable breezes (S. ½ in west); fair in E. showery in W.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.70	36	32	ENE	4	o	2
Sumburgh Head	29.96	40	37	NE	4	c	6
Stornoway... ...	30.03	38	36	NE	4	o	4
Aberdeen	29.90	38	36	N	4	ogpq	6
Shields	29.76	41	38	NNE	3	c	4
Malin Head ...	29.97	42	40	NE	5	b	5
Blacksod Pt.. ...	30.03	43	40	NNE	5	bcpq	4
Holyhead	29.82	42	38	NNE	6	c	5
Valencia	30.03	45	40	N	4	c	4
Scilly							
Jersey	29.68	46	43	NE	4	cf	3
Portland Bill ...	29.72	41	38	N	3	c	3
Dungeness ...	29.62	44	42	NNW	4	o	3
London (Westminster)	29.66	42	39	NNW	4	og	*
Yarmouth ...	29.58	42	41	NW	3	o	4
Rochefort ...	29.65	51	48	NNW	2	c	*

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

Weather in morning fine in Finmark, Ireland and several parts of S.E. Europe, dull and unsettled elsewhere, with snow at Nairn, rain at many stations, fog in Austria. Showers later at our N.W. stations, over the Baltic and Germany - fine in Ireland and Wales.

Temperature highest 61° at Malta, 59° at La Calle, 54° at Algiers, 55° at Trieste, 46° at Brest, 44° at Jersey, 43° at Valencia (Ireland). Lowest (1) -7° F. at Ulealong, -6° at Archangel, +12° at St. Petersburg, 13° at Moscow; (2) 27° at Kharkov, 28° at Warsaw, 35° to 41° over central Europe; (3) 34° at Parsonstown, 37° at Nairn, 39° at Shields and Loughborough. Rising later to between 40° and 46° over the British Isles to 52° at Rochefort and Biarritz, and 54° at Nice; very cold over central Ireland at night.

Wind (1) E. ½ to N. ½ over northern Europe and N. ½ over nearly the whole of the British Isles (a gale at Wisby and strong in some parts of our Islands) (2) SW. ½ to NW. ½ over the western and central countries, SE. ½ in the south of Russia and Italy, S. ½ in Algiers. No great change later, but N. ½ wind falling calm on our northwest coasts.

Barometer highest (1) 30.2 ins. and more to 30.0 ins. in an anticyclone over northern Europe; (2) 30.1 ins. and more over Greece; (3) 30.5 ins. and more in the Azores. Lowest 29.5 ins. and less in a depression lying over Holland and the S.W. parts of the North Sea. Rising quickly later over Gt. Britain and France, but becoming steady in Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 6th January, 1900.

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° Jahr. 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	30·32	0	NW	0	fog	30·36	+·13	-19	?	- 23	NW	0	fog	*	fog	*	5	?	-
	Hernösand	30·33	-18	NW	0	fog	30·40	+·15	-22	-22	- 28	NW	0	fog	*	fog	*	5	-22	-
	Stockholm	30·17	17	N	4	0	30·32	+·24	18	18	- 2	NW	3	0	*	0	*	25	16	-
	Wisby	30·09	28	NNE	4	5	30·26	+·27	26	24	+ 2	E	4	0	*	5	*	28	19	-
	Karlstad	30·29	5	NE	4	fog	30·39	+·20	-1	-1	- 18	N	2	fog	*	fog	*	*	*	-
	Bodö	30·17	26	E	1	0	30·14	+·04	23	?	0	SE	1	0	1	0	-	27	16	-
	Christiansund ...	30·08	26	ESE	2	fog	30·08	-·05	29	28	+ 5	ESE	4	0	3	fog	*	29	23	-
	Skudesnaes ...	30·19	30	SSE	6	fog	30·15	+·07	30	27	- 1	SE	8	0	4	fog	-	31	28	*
	Færder (X'iania Fjord)	30·26	18	E	1	0	30·33	+·17	19	18	- 1	N	2	0	1	0	*	20	16	-
	The Scaw (Skagen)																*			
	Fanö	30·15	30	ENE	4	0	30·19	+·30	27	26	- 4	E	4	c	*	0	*	31	27	-
British Islands	Sumburgh Head ...	29·93	37	S	1	c	29·70	-·29	40	38	+ 5	S	6	0	6	c	*	40	35	-
	Stornoway	29·78	41	SSW	5	c	29·42	-·54	41	40	+ 1	SW	8	r	8	0, c	0·0	41	37	0·15
	Wick	29·92	38	S	4	0	29·59	-·41	38	37	+ 3	S	8	0 u	6	0	*	44	30	-
	Nairn	29·91	34	SW	1	c	29·55	-·45	40	36	+ 5	WSW	3	0	2	c	*	40	32	-
	Aberdeen	29·99	36	S	1	0	29·72	-·31	39	36	+ 3	SSE	8	0 fog	7	p 0 fg m	0·0	39	35	0·01
	Leith	29·99	36	NW	1	0	29·73	-·29	37	35	0	SSE	3	0	*	0	*	38	34	-
	Shields	30·00	39	NE	3	0 p	29·86	-·11	38	37	- 2	SSE	4	c	4	0 p	*	41	36	-
	Spurn Head ...	29·98	39	NE	4	c	29·95	+·06	37	37	- 1	S	3	c	3	c, p	*	43	36	0·07
	Loughborough ...	30·02	36	NNW	1	0	29·99	+·05	33	32	- 2	SE	3	0 mw	*	c, 0, b, 0	*	38	32	-
	Malin Head ...	29·82	37	S	4	c	29·58	-·43	41	41	+ 3	SW	2	r	3	c, r	*	41	30	0·47
	Blacksod Pt. ...	29·74	42	S	5	c q p	29·60	-·36	44	42	+ 4	NW	2	c p	2	c, c q p	*	48	40	0·77
	Donaghadee ...	29·96	40	S	3	0	29·66	-·36	44	44	+ 8	S	4	r	4	0	*	44	34	0·32
	Liverpool (Bidston)	30·02	35	E	1	0	29·87	-·13	34	33	- 1	SE	3	c	?	0 m	*	39	34	-
	Holyhead	29·99	36	SE	1	b	29·74	-·24	41	40	+ 3	S	7	r q	5	c	*	41	34	0·09
	Parsonstown ...	29·90	34	SSE	1	0	29·62	-·42	45	44	+ 20	S	1	r	*	0	0·0	45	34	0·39
	Valencia	29·85	44	SSE	3	r	29·68	-·38	47	46	+ 15	N	0	0	4	0 V, r	0·2	50	30	1·27
	Roche's Point ...	29·94	39	NNW	1	m	29·62	-·40	50	50	+ 15	SSW	8	r	5	m	*	50	35	0·60
	Pembroke (St. Ann's Hd.)	30·00	37	ENE	3	b c	29·82	-·13	46	45	+ 9	S	7	r q	5	b c	5·5	46	35	0·06
	Scilly																			
	Jersey (St. Aubin's) ...	29·97	42	NNW	2	b c m	30·08	+·23	43	39	+ 1	SSE	2	c	2	c, b c m w	*	44	34	0·01
France & Netherlands. Germany.	Portland Bill ...	30·00	36	NE	3	b	29·99	+·13	44	42	+ 7	S	4	0	2	c, b	*	44	? 33	-
	Dungeness	29·92	39	N	2	c	30·09	+·29	26	25	- 13	NNW	1	c	1	c	*	43	26	-
	London (Brixton) ...	29·97	40	NNE	2	0	30·07	+·20	29	28	- 11	S	1	b c f	*	0, f	0·1	43	28	-
	Oxford	30·03	37	N	1	0	30·03	+·12	31	31	- 6	SE	2	b m	*	c, 0 f	*	39	30	-
	Yarmouth	29·91	40	NNE	4	c	30·09	+·19	34	33	- 5	SW	3	f	4	r, c	*	41	31	0·02
	Cuxhaven	29·97	34	E	2	0	30·17	+·43	33	32	- 2	ESE	2	0	*	0	*	36	32	-
	Berlin	29·93	34	NE	4	r	30·21	+·49	33	31	- 4	NE	2	0	*	r	*	41	32	-
	Wiesbaden	*	*	*	*	*	30·13	+·43	33	32	- 5	WSW	3	b	*	*	*	43	32	-
	Munich	29·92	34	W	4	r	30·12	+·50	33	33	0	E	4	0	*	r	*	34	32	0·12
	The Helder ...	29·95	37	NE	3	b	30·09		35	35		ESE	1	0	1	b	*	41	34	-
	Brussels	*	*	*	*	*	30·15	+·39	37	37	0	N	0	f	*	0	*	41	35	-
	C. Gris Nez ...																*			
	Paris	29·94	40	NNE	1	0	30·12	+·36	34	34	- 5	NE	1	f	*	0	*	42	31	-
	Brest	30·02	41	NNE	1	0	30·02	+·14	? 47	44	+ 6	S	4	b c	3	0	*	47	39	-
	Lorient	29·98	41	N	3	c	30·08	+·22	40	39	- 1	ENE	3	c	2	c	*	46	37	-
	Rochefort	29·91	42	N	3	c	30·00	+·22	36	32	- 6	NE	2	b c	*	c	*	45	34	-
	Belfort	29·87	39	SSW	2	f	30·10	+·41	36	35	- 2	E	3	f	*	f	*	43	35	·16
	Lyons	29·88	42	E	1	0 f	30·06	+·20	39	38	0	NW	2	0 f	*	0 f	*	49	39	-
	Nice	29·79	45	W	3	fog	29·88	+·25	45	40	+ 3	E	3	0	2	b	*	61	42	-
	Perpignan	29·88	50	NW	0	0	30·01		42	38		NW	3	0	*	0	*	55	42	-
	Biarritz	29·90	43	SE	2	0	30·00	+·25	43	40	- 1	N	0	0	3	0 h	*	52	39	0·28
Span. Pen.	Corunna														*		*			
	Lisbon														*		*			
	Azores (P. Delgada)	30·37	55	SW	4	b c	30·35	-·01	56	52	- 3	WSW	5	0	5	b c	*	59	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·7 *hrs.*

WEATHER CHARTS

FOR Saturday, 6th January, 1900.

BAROMETER, WIND AND SEA.

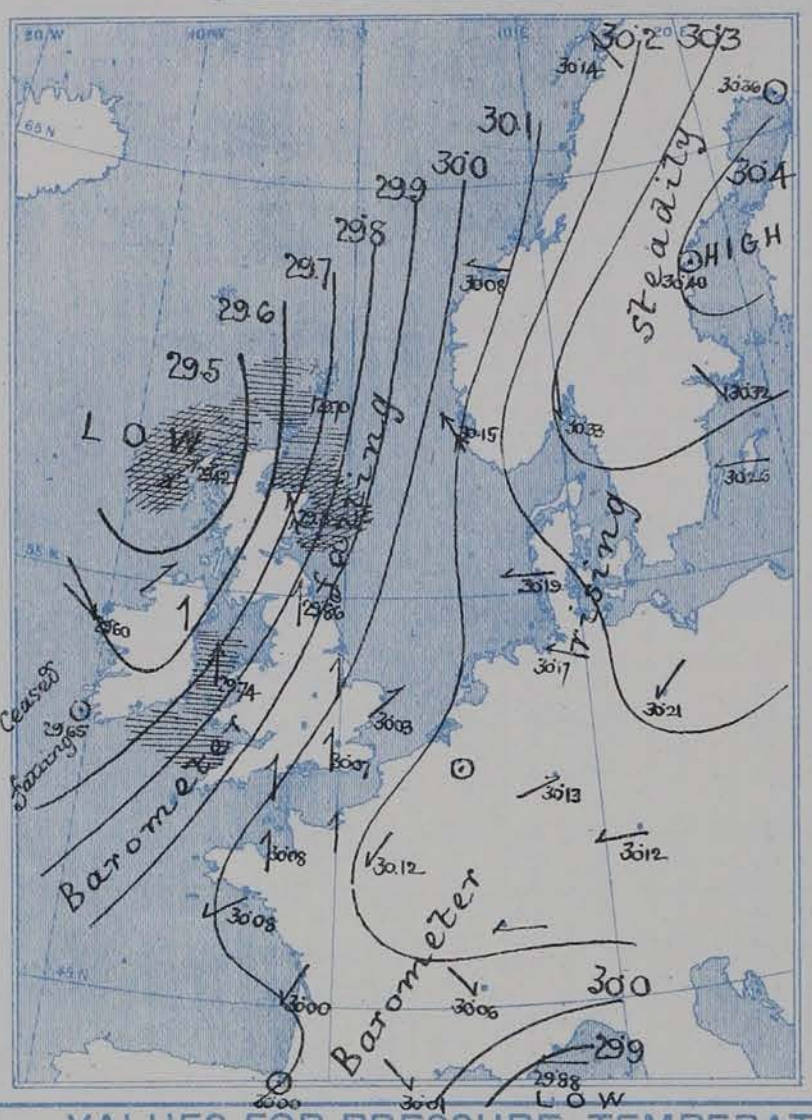
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

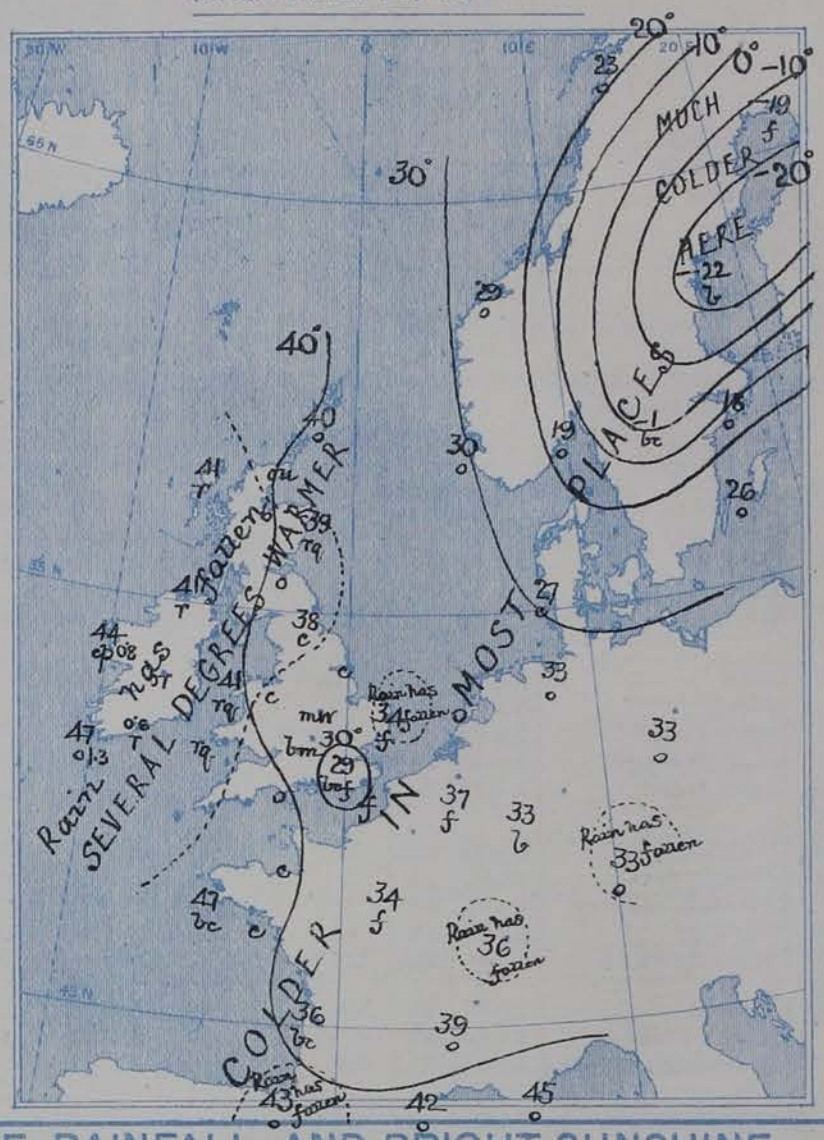


TEMPERATURE AND WEATHER.

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	14	1881	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	29·930	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 30·1 ins: over Ireland and Scandinavia, and 30·1 ins: to 30·0 ins: in a ridge extending thence over France
Lowest, 29·42 ins: at Stornoway, and 29·6 ins: to 29·7 ins: in a "V" extending southwards over Ireland.
Gradient rather steep for S. winds over Ireland and Scotland, slight over the Continent.
Barometer falling in the west and north generally, but the fall has ceased in the west of Ireland since 3 a.m.

TEMPERATURE

Highest, 50° at Rockall, and above 40° at our western stations generally.
Lowest, (1) −22° F. at Haparanda, −19° at Haparanda, −1° at Karlstad; (2) +26° at Dungeness, 29° in London, 33° at Loughborough, 34° at Yarmouth.
It has fallen fast over England during the night, even at the Scotch and Irish stations, but has begun to fall again at Valencia. It is very changeable generally.

WIND

SE to S, light over England, S. strong to a gale on most of our western and northern coasts, but is already shifting to NW. in the west of Ireland and falling light. On the Continent it is light and very variable.

WEATHER

Fine at the Continental stations, foggy over England, dull and raining in Ireland and Scotland
Rain has again been heavy in the south and west of Ireland, moderate at our other western stations.
Bright Sunshine was 5·5 hrs at Pembroke yesterday, but at our other stations there was little or none.

SEA

High in the north, rough in the west, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The mild weather is likely to spread all over the country today, but will soon be succeeded by a chill again and northwesterly winds.

FORECASTS

For the 24 hours ending at NOON on 7TH JANUARY, 1900

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. gales, rain; then NW., moderate, finer, colder.
1 SCOTLAND EAST	SW. winds, fresh, some rain; then NW., colder, finer, some fog.
2 ENGLAND N.E.	
3 ENGLAND EAST	Same as No 5.
4 MIDLAND COUNTIES	Same as Nos 1 and 2.
5 ENGLAND SOUTH	S. winds, milder, weather turning to rain; then NW., finer, colder, fog.
6 SCOTLAND WEST	Wind shifting to NW. or N. again, with falling temperature, finer.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	

WARNINGS

At 3·40 pm yesterday to districts 0, 1, 6, 9, and 10 "Hoist South Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·15	30	28	S	6	be	2
Sumburgh Head	29.95	37	35	S	1	c	4
Stornoway... ...	29.87	40	37	SW	3	o	3
Aberdeen	30·00	37	36	S	1	oqm	4
Shields	30·01	41	38	NE	2	o	4
Malin Head ...	29.91	37	36	S	4	c	2
Blacksod Pt.. ...	29.88	41	38	S	4	c	3
Holyhead	29.99	41	39	E	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.94	41	37	SE	4	ov	4
Scilly							
Jersey	29.90	42	40	N	3	c	3
Portland Bill ...	29.96	39	37	NE	3	c	3
Dungeness ...	29.86	42	40	N	3	c	2
London (Westminster)	29.92	42	39	NNE	3	o	*
Yarmouth ...	29.89	41	40	NNE	5	r	5
Rochefort ...	29.83	43	41	N	3	o	*

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

Continental Information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Sunday 7th January, 1900.

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	30·48	−12	NE	0	o	30·54	+ ·18	−9	−9	+ 10	NE	0	c	*	o	*	0	−19	—
	Hernösand	30·42	−6	NE	0	f	30·43	+ ·03	1	0	+ 23	NE	0	f	*	f	*	1	−22	—
	Stockholm	30·48	14	NE	0	c	30·47	+ ·15	18	17	0	NE	0	o	*	c	*	19	?	—
	Wisby	30·42	24	E	4	o	30·43	+ ·17	26	26	0	SE	4	s	*	o	*	27	21	0·08
	Karlstad	30·43	18	NE	2	o	30·38	− ·01	21	20	+ 22	E	2	o	*	o	*	*	*	—
	Bodö	30·17	27	E	4	b	30·06	− ·08	22	20	− 1	E	6	b	2	b	*	28	21	—
	Christiansund ...	30·01	32	ESE	2	c	29·95	− ·13	36	31	+ 7	ESE	5	o	4	c	*	36	28	—
	Skudesnæ ...	30·02	33	SE	8	o	29·96	− ·19	35	32	+ 5	ESE	8	o	5	o	*	36	28	
	Færder (X'iania Fjord)	30·34	21	SE	2	o	30·29	− ·04	26	24	+ 7	SE	2	o	1	o	*	26	18	—
	The Scaw (Skagen)	30·32	27	SSE	1	bc	30·25		31	30		SSE	4	c	1	bc	*	32	21	—
	Fanö	30·20	31	E	5	o	30·11	− ·08	31	31	+ 4	E	5	o	*	o	*	31	27	—
British Islands	Sumburgh Head ...	29·52	40	S	5	r	29·57	− ·13	38	38	− 2	SE	0	r	5	r	*	42	37	0·62
	Stornoway	29·50	37	NW	2	b	29·65	+ ·23	35	34	− 6	WNW	3	bc	3	b	0·0	41	31	0·05
	Wick	29·51	40	SSW	4	r	29·61	+ ·02	38	38	0	W	3	o	4	r	*	44	34	0·40
	Nairn	29·54	38	WSW	2	bc	29·64	+ ·09	37	36	− 3	WNW	2	bc	2	bc	*	43	32	0·21
	Aberdeen	29·60	39	S	3	og	29·62	− ·10	37	36	− 2	W	4	ogq	4	orgq	0·0	40	33	0·64
	Leith	29·56	41	SSE	3	o	29·71	− ·02	36	35	− 1	WSW	1	mw	*	o	*	42	35	0·49
	Shields	29·68	39	S	2	r	29·69	− ·17	38	38	0	SW	2	o	3	srp, r	*	40	34	0·33
	Spurn Head ...	29·83	41	SSE	6	o	29·65	− ·30	38	38	+ 1	S	6	r	6	o	*	43	35	0·60
	Loughborough ...	29·81	40	SW	4	r	29·72	− ·27	40	39	+ 7	WNW	2	org	*	orq, rg	*	42	33	1·25
	Malin Head ...	29·56	41	SW	3	opm	29·77	+ ·22	41	41	0	WNW	4	ep	3	o opm	*	43	40	0·03
	Blacksod Pt. ...	29·67	42	WSW	2	bc	29·88	+ ·28	44	39	0	NW	4	bc	3	bc	*	44	36	0·12
	Donaghadee ...	29·57	42	NW	3	o	29·80	+ ·14	36	36	− 8	SW	2	b	3	o	*	45	34	0·30
	Liverpool (Bidston)	29·63	39	SE	4	r	29·79	− ·08	40	39	+ 6	W	4	bc	4	r	*	42	34	1·45
	Holyhead	29·55	44	S	7	rgq	29·81	+ ·07	43	41	+ 2	NW	6	bc	4	rgq	*	44	40	0·75
	Parsonstown ...	29·63	42	W	1	o	29·90	+ ·28	34	34	− 11	SW	1	b	*	o	0·0	45	31	0·01
	Valencia	29·62	43	E	0	c	30·01	+ ·36	46	41	− 1	WNW	5	bc	5	ogr, cm	0·0	48	39	0·69
	Roche's Point ...	29·64	44	NNW	4	o	29·96	+ ·34	40	38	− 10	NNW	3	b	3	o	*	50	36	0·08
	Pembroke (St. Anu's Hd.)	29·52	47	S	7	r	29·88	+ ·06	43	40	− 3	NW	4	bc	3	r	0·0	50	42	0·86
	Scilly																			
	Jersey (St. Aubin's) ...	29·91	44	S	5	c	29·80	− ·28	47	42	+ 4	WNW	6	c	5	c, r	*	47	41	0·44
	Portland Bill ...	29·83	45	S	4	o	29·72	− ·27	44	44	0	NNW	7	bc	5	o	*	46	44	0·84
	Dungeness	30·01	42	SSW	5	c	29·76	− ·33	42	41	+ 16	S	6	r	6	c	*	46	26	0·32
	London (Brixton) ...	29·92	42	SSW	2	o	29·69	− ·38	39	38	+ 10	NW	4	org	*	o, r	0·2	43	29	0·28
	Oxford	29·78	41	SE	3	o	29·74	− ·29	41	40	+ 10	NW	3	o	*	o, r	*	43	30	0·68
	Yarmouth	29·97	41	S	3	bc	29·76	− ·27	40	39	+ 6	S	4	cg	4	bc	*	41	32	0·07
France & Netherlands. Germany.	Cuxhaven	30·21	34	S	2	o	30·06	− ·11	32	32	− 1	SSE	4	o	*	o	*	34	30	—
	Berlin	30·32	32	SE	2	o	30·23	+ ·02	27	25	− 6	SSE	3	b	*	o	*	34	27	—
	Wiesbaden	*	*	*	*	*	29·98	− ·15	37	35	+ 4	E	4	o	*	*	*	39	23	—
	Munich	30·16	31	E	5	o	29·93	− ·19	31	31	− 2	E	5	o	*	o	*	34	29	—
	The Helder ...	30·06	36	SSE	1	m	29·88	− ·21	34	33	− 1	SSE	1	bc	1	m	*	39	34	—
	Brussels	*	*	*	*	*	29·88	− ·27	36	34	− 1	SSE	5	c	*	m	*	38	33	—
	C. Gris Nez ...	30·00	34	S	2	f	29·73		36	32		S	5	r	5	f	*	39	32	0·20
	Paris	30·15	34	SSE	2	o	29·86	− ·26	36	34	+ 2	SE	3	o	*	o	*	37	33	—
	Brest	29·82	49	S	5	f	29·90	− ·12	?	45	?	NNW	5	c	4	f	*	49	45	0·83
	Lorient	29·89	45	SW	6	r	29·92	− ·16	45	44	+ 5	NNW	5	bc	5	r	*	50	37	0·83
	Rochefort	30·08	38	E	3	m	29·80	− ·20	48	45	+ 12	NW	5	r	*	m	*	?	36	0·32
	Belfort	30·10	36	NE	3	m	29·92	− ·18	33	32	− 3	ENE	2	m	*	m	*	39	33	—
	Lyons	30·13	40	N	2	o	29·98	− ·08	37	36	− 2	NNW	1	o	*	o	*	44	37	—
	Nice	29·85	51	NE	5	c	29·87	− ·01	46	46	+ 1	NE	4	r	3	c	*	55	45	0·04
	Perpignan	30·04	45	NW	3	o	29·96	− ·05	33	31	− 9	SW	1	c	*	o	*	48	30	—
	Biarritz	30·08	41	E	3	bc	29·90	− ·10	50	50	+ 7	SSW	7	r	2	bc	*	50	36	0·16
Span. Pen.	Corunna																*			
	Lisbon	30·32	52	W	3	b	30·33	+ ·12	55	53	+ 8	N	4	b	5	b	*	55	47	—
	Azores (P. Delgada)	30·47	56	W	2	c	30·49	+ ·14	57	53	+ 1	SSE	4	o	4	c	*	63	54	—

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

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

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Sunday, 7th January, 1900

BAROMETER, WIND AND SEA.

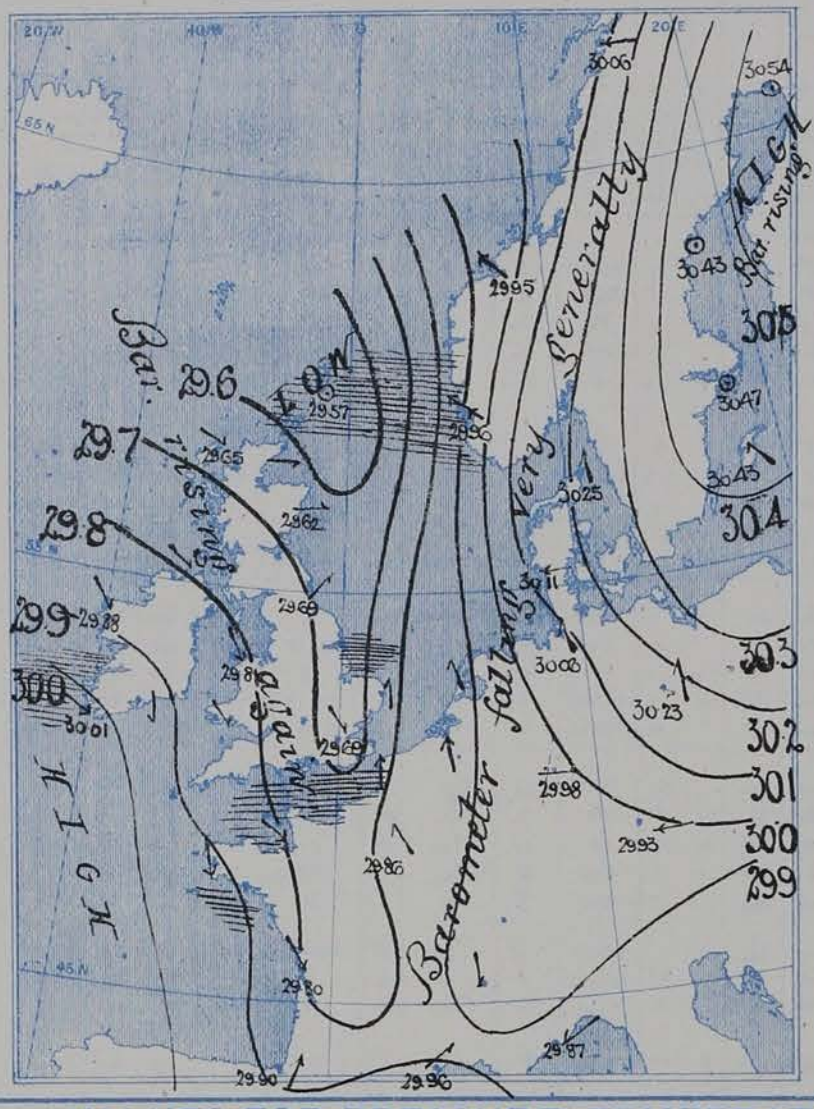
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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 AND 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 Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·676	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	14	1881	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	29·930	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) 30·5 ins: and more to 30·0 ins: over Finland, Scandinavia, the Baltic and North Germany, and exceeding 29·9 ins: in the east of France, (2) 30·3 ins: and more to 29·9 ins: over the Iberian Peninsula

Lowest, 29·6 ins: and less, over the Shetlands, and 29·6 ins: to 29·8 ins: in a V extending southwards over the east of England to Nth and Central France.

Gradient rather steep.

Barometer rising in our Islands and also over Finland, falling over the North Sea.

TEMPERATURE

Highest, 55° at Lisbon, 50° at Biarritz, 46° at Nice and at Valencia (Ireland), 44° at Blacklod Pt, and 43° at Holyhead.

Lowest, (1) −9° at Haparanda, +1° at Hernösand, 18° at Stockholm, 21° at Karlstad; (2) 36° at Leith, 37° at Aberdeen, 38° at Seinbugh Hd and Shields, 39° in London; (3) 27° at Berlin, 31° at Munich, 36° at Paris.

A sharp frost was experienced over our east-Midland counties early this morning.

WIND

(1) SE strong to moderate on the eastern shores of the North Sea, E over Germany, S strong, over the Eastern counties of England, and many of the eastern and southeastern parts of France.

(2) NW moderate at our westerm stations and over the Bay of Biscay.

It blew hard from the S. in many parts of England during the night.

WEATHER

(1) Dull and raining over the eastern parts of Great Britain and also in the southwest of France, fine over our own western districts, as well as over North Germany, fair, but cloudy, over the eastern shores of the North Sea.

Rain has fallen in all parts of the United Kingdom and many parts of France, the amounts in many cases exceeding half an inch and in some cases exceeding one inch. Bright Sunshine – the only amount recorded yesterday was 0·2 hr in London.

SEA

Rough in most places, very rough in some.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 8th JANY 1900

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·12	32	28	SE	6	o	4
Sumburgh Head	29·53	40	40	S	7	r	7
Stornoway... ...	29·47	40	38	WNW	4	p	4
Aberdeen	29·64	38	37	S	5	orpq	6
Shields	29·76	38	37	S	2	orsp	4
Malin Head ...	29·57	41	40	WSW	3	o	2
Blacksod Pt.. ...	29·62	? 44	41	WNW	2	cp	2
Holyhead	29·65	44	44	S	7	r	6
Valencia	29·65	47	44	NNW	1	om	1
Scilly							
Jersey	30·05	44	40	SSE	4	o	4
Portland Bill ...	29·94	45	43	SSW	5	o	5
Dungeness ...	30·02	46	43	SW	4	c	3
London (Westminster)	30·00	43	40	SSW	3	o	
Yarmouth ...	30·00	39	38	SSW	3	6	4
Rochefort ...	30·08	45	41	NE	3	6c	

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

Weather in morning fair, but foggy, as a whole, over northern, fair over Southeastern Europe, very changeable and unsettled over the western and central countries, with rain and snow in many places. Rain later in all parts of our Islands (more than one inch at Loughborough and Liverpool, and 0·86 in: at Pembroke), considerable quantities in various parts of France, but apparently none over Germany; fog at Cape Gris Nez.

Temperature highest (1) 63° at Malta, 52° at Algiers, 53° at Sanguinaires, 50° at Rochefort, 47° at Brest and Valencia, 41° at Holyhead, Malin Hd. and Stornoway. Lowest −19° at Haparanda, −13° at Archangel, −1° at Karlstad, +8° at Moscow, 9° at Riga; 28° to 37° over Central Europe, 29° to 34° over Central England. Rising to 50° in the southwest of England later, to 43° in London and at Nairn, but falling considerably over England at night.

Winds (1) light and anticyclonic over the Continent — mainly NE³ to E³; (2) a stormy S³ wind over Ireland and Scotland, and light SE³ to S³ over England; but NW³ light, to calm in the west of Ireland. Blowing hard from the S.E. in many parts of England at night, but falling light from NW. later.

Barometer highest (1) 30·4 in: at Hernösand and exceeding 30·1 in: all over northern and the greater part of Central Europe; (2) 30·3 in: and more to 30·1 in: over Asia Minor and Southeastern Europe; (3) 30·2 in: and more to 30·1 in: over the southwestern and Central parts of the Spanish Peninsula. Lowest 29·5 in: and less in a depression off the northwest of Scotland, and 29·55 in: to 29·65 in: in a "V" over the west of Ireland. Latter system moving eastwards later and causing rain in London at night.

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, 8th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	30·60	-5	E	2	c	30·41	-·13	4	4	+ 13	SSE	2	0	•	c	•	24	-13	0·04
	Hernösand	30·44	21	S	2	0	30·36	-·07	27	26	+ 26	S	6	S	•	0	•	27	-9	—
	Stockholm	30·49	30	E	2	S	30·44	-·03	27	26	+ 9	SE	2	0	•	S	•	28	14	—
	Wisby	30·45	28	S	4	S	30·40	-·03	24	23	- 2	SSE	4	0	•	S	•	30	21	0·04
	Karlstad	30·34	27	SE	4	0	30·34	-·04	28	26	+ 1	SE	2	0	•	0	•	•	•	—
	Bodö	30·06	18	E	6	b	29·92	-·14	25	22	+ 3	E	6	0	2	b	•	25	14	—
	Christiansund ...	29·92	38	WSW	4	c	29·95	·00	39	33	+ 3	WSW	4	b	4	c	•	39	34	—
	Skudesnaes ...	30·01	36	SE	8	0	30·10	+·14	33	31	- 2	SE	6	0	5	0	•	37	32	•
	Færder (X'iania Fjord)	30·22	30	SSE	4	0	30·26	-·03	29	28	+ 3	SE	4	0	3	0	•	30	25	▲
	The Scaw (Skagen)	30·25	30	SE	4	0	30·22	-·03	30	29	- 1	SE	3	0	0	0	•	32	28	-
	Fanö	30·15	32	ESE	4	0	30·13	+·02	28	28	- 3	E	4	0	•	0	•	32	28	-
British Islands	Sumburgh Head ...	29·69	39	W	1	bc	29·64	+·07	42	40	+ 4	S	3	r	5	0.bc	•	44	35	0·17
	Stornoway	29·72	41	SW	4	0	29·73	+·08	38	36	+ 3	WSW	4	b	4	c.0	3.9	43	32	0·08
	Wick	29·79	38	W	2	b	29·68	+·04	39	37	+ 1	NW	2	b	3	b	•	44	36	0·06
	Nairn	29·82	37	W	1	b.	29·79	+·15	37	37	0	W	1	b	1	b	•	42	33	0·01
	Aberdeen	29·88	35	WSW	2	b	29·84	+·22	37	36	0	SW	2	bcmw	2	b	3.5	39	31	0·01
	Leith	29·89	37	WSW	2	b	29·89	+·18	43	41	+ 1	WSW	4	m	•	b	•	44	35	0·01
	Shields	29·95	39	W	2	b	29·94	+·25	39	39	+ 1	S	3	0	3	b,r	•	41	35	0·03
	Spurn Head ...	29·97	38	WSW	4	b	30·00	+·35	38	38	0	S	3	r	3	b	•	42	35	0·09
	Loughborough ...	30·04	38	WNW	2	b	30·06	+·34	41	40	+ 1	WSW	4	cq	•	cl.op.c	•	44	33	0·03
	Malin Head ...	29·86	42	SSW	4	opm	29·94	+·17	43	42	+ 2	SW	3	bcp	3	b,omp	•	46	40	0·12
	Blacksod Pt. ...	29·90	49	WSW	5	cqp	29·99	+·11	46	43	+ 2	W	4	bcp	4	cqp	•	49	42	0·13
	Donaghadee ...	29·97	37	W	2	b	30·00	+·20	41	40	+ 5	W	3	b	3	b	•	43	35	0·01
	Liverpool (Bidston)	30·06	38	W	3	b	30·04	+·25	44	43	+ 4	WSW	6	0	4	p.b	•	45	38	0·24
	Holyhead	30·05	43	NW	4	b	30·07	+·26	47	45	+ 4	W	4	cp	3	bc.b	•	47	41	0·18
	Parsonstown ...	30·05	40	SW	1	0	30·10	+·20	41	40	+ 1	SW	1	0	•	bc.0	6.3	47	33	0·11
	Valencia	30·12	50	SW	5	0	30·16	+·15	50	49	+ 4	SW	4	oqdm	4	bc.0	5.5	51	46	0·26
	Roche's Point ...	30·14	44	W	3	b	30·18	+·22	48	47	+ 8	W	2	bp	2	b	•	48	40	0·05
	Pembroke (St. Ann's Hd.)	30·13	46	NW	3	b	30·15	+·27	50	48	+ 1	W	4	0	3	b	7·0	50	43	0·05
	Scilly																			
	Jersey (St. Aubin's) ...	30·13	46	NW	4	bc	30·30	+·50	48	46	+ 1	WSW	3	odm	3	bc	•	49	39	0·01
	Portland Bill ...	30·09	45	NNW	4	b	30·22	+·50	48	47	+ 4	W	4	0	3	b	•	48	41	—
	Dungeness	29·96	41	NNW	3	0	30·20	?	38	36	- 4	W	3	b	-	0	•	42	31	0·12
	London (Brixton) ...	30·02	40	NW	2	b	30·18	+·49	38	37	- 1	SW	1	od	•	0.b	0·0	44	32	0·04
	Oxford	30·12	38	W	3	b	30·15	+·41	42	41	+ 1	SW	3	r	•	bc.0	•	45	34	—
	Yarmouth	29·88	40	NW	3	0	30·09	+·33	36	35	- 4	SW	2	bc	3	0,od	•	41	30	0·30
Germany	Cuxhaven	30·04	30	SE	3	0	30·08	+·02	28	28	- 4	W	0	0	•	0,s	•	32	27	0·04
	Berlin	30·12	26	ESE	4	0	30·12	-·11	28	27	+ 1	SE	3	0	•	0	•	30	25	—
	Wiesbaden	•	•	•	•	•	30·14	+·16	35	34	- 2	E	1	c	•	•	•	37	34	—
	Munich	29·96	31	W	0	0	30·13	+·20	31	31	0	W	4	S	•	0	•	32	30	—
France & Netherlands	The Helder ...																•			
	Brussels	•	•	•	•	•	30·24	+·36	37	37	+ 1	W	1	f	•	r	•	42	34	0·16
	C. Gris Nez ...	29·95	42	N	6	c	30·17	+·44	42	40	+ 6	NW	3	bc	3	0	•	43	36	0·85
	Paris	29·95	42	NW	1	0	30·27	+·41	34	33	- 2	WNW	2	c	•	0	•	44	33	0·12
	Brest	30·21	46	NNW	4	0	30·37	+·47	51	48	?	W	3	c	3	0	•	51	46	—
	Lorient	30·21	46	NNW	4	bc	30·41	+·49	46	45	+ 1	W	2	r	5	bc	•	54	41	—
	Rochefort	30·14	48	NW	5	c	30·34	+·54	44	43	- 4	N	3	b	•	c	•	50	41	-
	Belfort	29·95	35	W	3	0	30·20	+·28	33	33	0	W	2	r	•	0	•	37	31	-
	Lyons	30·04	38	NNW	1	r	30·25	+·27	37	36	0	NW	4	r	•	r	•	43	35	—
	Nice	29·77	48	E	3	0	29·81	-·06	44	41	- 2	NE	4	0	2	0	•	54	43	c. 0
	Perpignan	30·06	50	NE	4	0	30·18	+·22	44	38	+ 11	NW	6	r	•		•	50	33	-
	Biarritz	30·17	52	NNW	1	r	30·33	+·43	47	46	- 3	W	0	r	4	r	•	55	45	0·32
Span. Pen.	Corunna																•			
	Lisbon	30·50	51	N	4	b	30·51	+·18	48	42	- 7	NNE	3	b	•	b	•	59	46	—
	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6·0 *hrs.*

WEATHER CHARTS

FOR Monday, 8th January, 1900.

BAROMETER, WIND AND SEA.

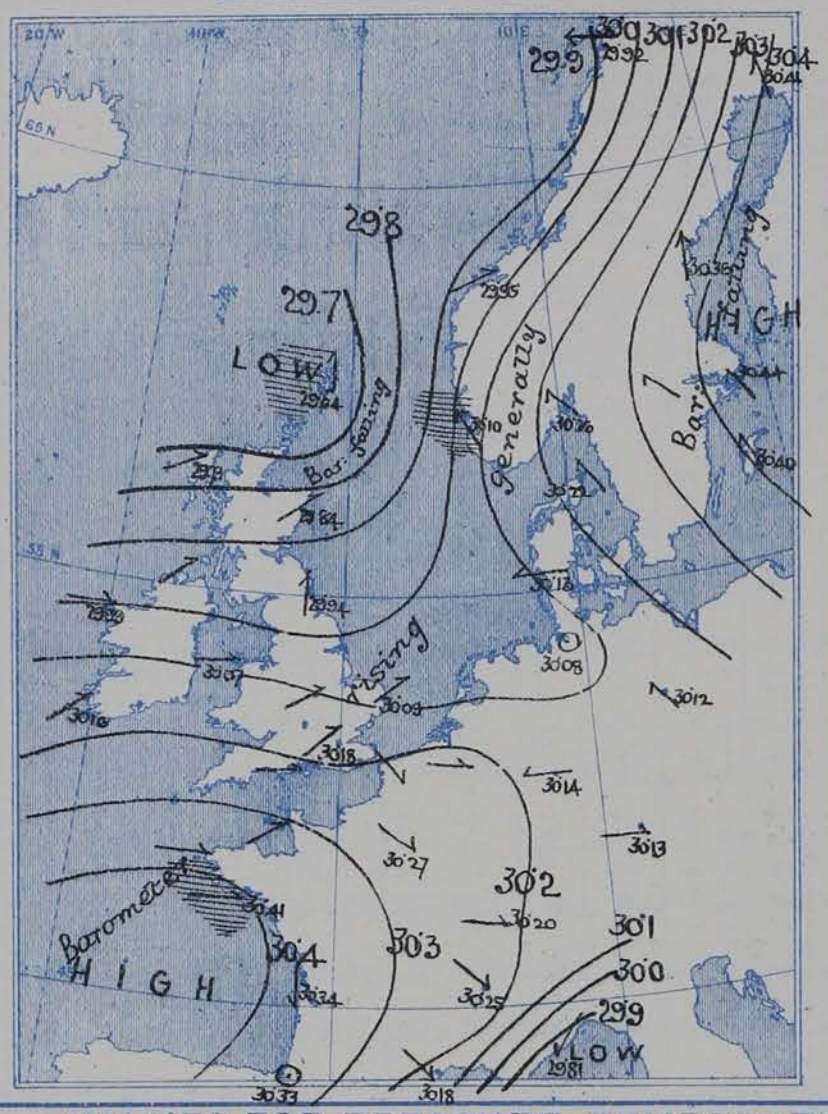
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

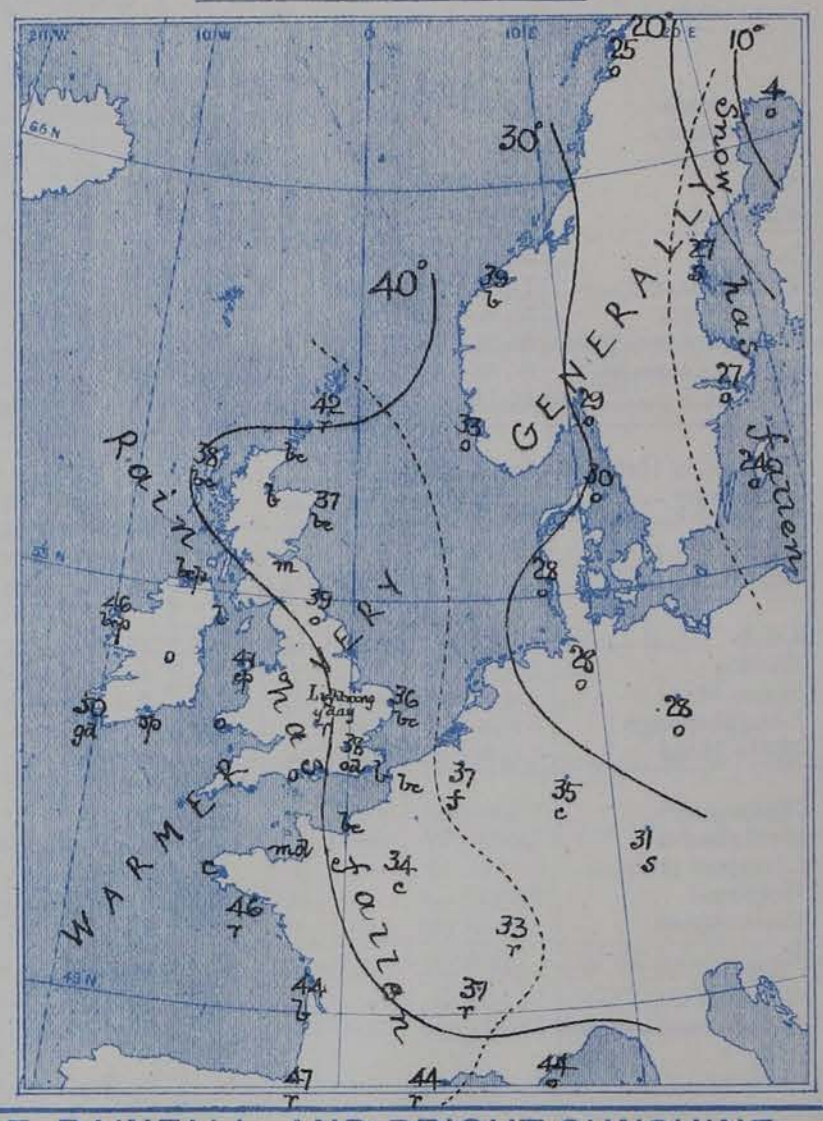


TEMPERATURE AND WEATHER.

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	—	—	—	—	5·28	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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	29·930	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 both over Finland and the Baltic and over the Bay of Biscay.
Lowest, 29·7 ins: and less. in a new depression the central area of which is over the Shetland Isles.
Gradients steep over Scotland, moderate over Ireland, England, and France.
Barometer rising at our western and northern stations, inclined to fall a little in London.

TEMPERATURE

Highest, 50° at Valencia and Pembroke, 48° at Jersey and Portland, 46° at Blackpool Point.
Lowest, (1) 4° at Haparanda, 27° at Stockholm, 28° at Karlstad; (2) 28° at Berlin and Cuxhaven, 31° at Munich, 35° at Wiesbaden; (3) 37° at Aberdeen, 39° at Liddle, 41° at Loughborough.
After rising to considerably above 40° over our Islands yesterday, it fell to between 31° and 33° at our inland stations during the night, but is rising fast this a.m.

WIND

SE^{3} in the west of Norway, S^{3} at Seumburgh Hd, SW^{3} to W^{3} over our Islands as a whole, NW^{3} in France. It is strong at Liverpool.

WEATHER

In a very unsettled changeable condition generally, dull and gloomy over the southern and southwestern parts of the Kingdom, with rain occasionally, clear temporarily in Scotland, rainy in the west and south of France.
Rain fell generally during some part of the past twenty-four hours.
Bright Sunshine recorded yesterday amounted to 7 hrs at Pembroke, 6 hrs at Southport and Parsonstown. At Brighton there was only 1 hour and in London none.

SEA

Continues rather rough in the north, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changeable showery weather and bright intervals appear likely to continue.

FORECASTS

For the 24 hours ending at NOON on 9th JANY 1900

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^{2} and W^{2} winds, varying in force; rain or sleet at times.	6 SCOTLAND WEST	SW^{2} and W^{2} winds, varying in force; rain or sleet at times.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.96	37	33	S	3	o	5
Sumburgh Head	29.64	39	38	NSW	1	o	5
Stornoway... ...							
Aberdeen							
Shields							
Malin Head ...	29.87	44	42	SW	4	b	3
Blacksod Pt.. ...							*
Holyhead	29.98	44	42	NW	4	bc	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.30	48	43	NW	6	bc	5
Portland Bill ...							
Dungeness ...	29.83	41	40	N	4	o	3
London (Westminster)							*
Yarmouth ...	29.83	38	38	NNW	3	o	3
Rochefort ...	30.00	49	46	NW	6	b	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 31ST DEC: 1899 TO THE 6TH JAN: 1900.

At the commencement of this week pressure was highest 30·4 in: to 30·2 in: over the eastern and southern districts of Europe, lowest (29·6 in: and less) in the west and northwest, and in those regions depressions continued to appear from time to time and to pass across, or near to, the British Islands, causing frequent rain, sometimes snow, and very variable temperature. On Tuesday (2nd) a depression came directly over our southwestern districts, and moving eastwards very slowly, reached our east-midland counties on Wednesday evening, and Holland by the next morning

Pressure was then becoming highest over northern Scandinavia, but had given way greatly over southeastern Europe, and for a time it seemed as though cold anticyclonic conditions were likely to remain with us, but during the remainder of the week cyclones of moderate intensity continued to move northeastward over or outside our northern and northwestern districts, while their V shaped secondaries moved more directly over Ireland and England and frequent alternations of temperature, and of clear weather or fog, with occasional rain were the main characteristics observable.

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 9th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins
Scandinavia	Haparanda	30·23	15	SW	6	s	30·12	− ·29	17	16	+ 13	S	4	o	*	s	*	17	−8	0·04
	Hernosand	30·25	25	S	2	o	30·04	− ·32	26	26	− 1	S	0	o	*	o	*	27	16	0·04
	Stockholm	30·30	27	SE	2	o	30·14	− ·30	29	28	+ 2	S	0	s	*	o	*	29	25	0·16
	Wisby	30·27	27	S	4	o	30·18	− ·22	28	28	+ 4	S	4	s	*	o	*	28	21	0·08
	Karlstad	30·18	26	SSE	2	s	30·07	− ·27	26	25	− 2	SSW	2	o	*	s	*	*	*	0·08
	Bodo	29·90	31	E	4	o	29·76	− ·16	28	26	+ 3	E	4	o	1	o	*	32	25	—
	Christiansund	29·81	37	SW	1	b	29·68	− ·27	36	32	− 3	SE	3	b	4	b	*	39	34	—
	Skudesnaes	29·99	33	SE	6	o	29·65	− ·45	37	35	+ 4	SE	8	o	5	o	*	37	32	*
	Færder (X'tiania Fjord)	30·16	27	ESE	2	o	30·01	− ·25	28	27	− 1	SE	4	o	2	o	*	29	27	—
	The Scaw (Skagen)	30·14	29	SSE	1	o	30·02	− ·20	31	30	+ 1	SSE	2	o	0	o	*	32	28	0·04
	Fano	30·14	31	SE	1	b	30·00	− ·13	31	31	+ 3	SE	4	o	*	b	*	32	27	—
British Islands	Sumburgh Head	29·67	41	WSW	3	bc	29·24	− ·40	40	38	− 2	WSW	7	r	7	bc	*	44	39	0·33
	Stornoway	29·51	45	SW	6	r	29·59	− ·14	37	35	− 1	WNW	5	o hq	5	bc, r	2·4	45	32	0·53
	Wick	29·67	38	S	4	bc	29·56	− ·09	34	33	− 5	W	6	s	5	bc	*	44	32	0·05
	Nairn	29·70	40	SW	1	bc	29·64	− ·15	35	34	− 2	WNW	3	s	3	bc. rs	*	44	32	0·11
	Aberdeen	29·82	39	SSW	2	bc	29·69	− ·15	35	33	− 2	SW	4	bcq	3	bm. bom. sp	4·0	42	35	0·01
	Leith	29·84	42	WSW	3	o	29·83	− ·06	36	35	− 7	WSW	4	o	*	o	*	47	35	0·05
	Shields	29·93	42	SW	2	o	29·90	− ·04	39	36	0	SW	3	c	2	b. o	*	44	36	—
	Spurn Head	30·00	42	SSW	3	m	29·97	− ·03	39	38	+ 1	W	4	bc	2	m	*	45	37	0·02
	Loughborough	30·10	45	SW	1	r	30·08	+ ·02	38	36	− 3	W	2	bc	*	bc. ap. b	*	51	38	0·10
	Malin Head	29·72	45	SW	5	og	29·91	− ·03	42	39	− 1	WNW	6	bcpq	5	og	*	47	37	0·06
	Blacksod Pt.	29·89	46	W	5	cpq	30·07	+ ·08	44	40	− 2	NW	6	bchpq	5	cpq	*	50	33	0·36
	Donaghadee	29·88	44	W	3	d	29·99	− ·01	36	35	− 5	W	3	c	3	d	*	45	33	0·03
	Liverpool (Bidston)	30·04	43	S	1	r	30·05	+ ·01	40	38	− 4	WSW	6	c	5	c, r	*	49	39	0·13
	Holyhead	29·98	49	WSW	3	omqp	30·09	+ ·02	43	40	− 4	W	6	c	4	r. gmp	*	49	40	0·14
	Parsonstown	29·98	48	SW	2	o	30·15	+ ·05	38	36	− 3	NW	1	b	*	or	0·1	49	36	0·30
	Valencia	30·10	52	SW	4	omq	30·28	+ ·12	47	42	− 3	W	6	bcq	6	omq	0·0	53	44	0·12
	Roche's Point	30·11	50	W	4	o	30·25	+ ·07	43	41	− 5	W	3	b	3	o	*	52	42	0·02
	Pembroke (St. Ann's Hd.)	30·11	51	WSW	5	c	30·19	+ ·04	45	41	− 5	NW	4	bc	4	c	0·4	50	45	0·12
	Scilly																			
	Jersey (St. Aubin's)	30·32	50	W	3	c	30·20	− ·10	50	49	+ 2	W	3	omw	3	p. cm	*	54	47	0·22
	Portland Bill	30·23	49	WNW	2	c	30·13	− ·09	47	44	− 1	NNW	4	b	3	qf. c	*	50	44	0·10
	Dungeness	30·17	45	WNW	3	b	30·09	− ·11	46	46	+ 8	WNW	1	o	1	b	*	48	37	0·07
	London (Brixton)	30·16	45	W	2	odp	30·09	− ·09	45	44	+ 7	NW	2	c	*	rs, c, or	0·8	49	38	0·15
	Oxford	30·13	48	WSW	3	o	30·12	− ·03	42	41	0	W	2	c	*	o. r	*	50	42	0·07
	Yarmouth	30·06	41	WNW	2	b	30·01	− ·08	42	41	+ 6	WNW	3	bf	3	c, bf	*	43	33	0·13
France & Netherlands. Germany.	Cuxhaven	30·12	32	E	0	o	30·02	− ·06	35	34	+ 7	S	1	f	*	o	*	36	27	—
	Berlin	30·17	33	S	1	o	30·17	+ ·05	33	32	+ 5	S	0	o	*	o	*	34	28	—
	Wiesbaden	*	*	*	*	*	30·21	+ ·07	37	37	+ 2	SW	2	o	*	*	*	39	35	—
	Munich	30·26	32	W	2	s	30·28	+ ·15	31	31	0	W	4	o	*	s	*	34	30	0·20
	The Helder																*			
	Brussels	*	*	*	*	*	30·11	− ·13	45	45	+ 8	SW	3	r	*	o	*	45	36	0·12
	C. Gris Nez	30·14	47	WNW	5	o	30·07	− ·10	48	47	+ 6	WNW	5	r	5	o	*	50	39	0·24
	Paris	30·29	45	SSW	2	bc	30·23	− ·04	44	43	+ 10	SSW	2	r	*	bc	*	48	34	0·04
	Brest	30·38	52	W	3	bc	30·26	− ·11	52	50	+ 1	W	4	c	4	bc	*	54	48	—
Span. Pen.	Lorient	?	50	W	4	o	30·26	− ·15	50	49	+ 4	W	4	c	4	o	*	54	46	—
	Rochefort	30·36	49	NNW	4	o	30·32	− ·02	48	47	+ 4	W	2	o	*	o	*	54	44	0·04
	Belfort	30·31	33	W	4	m	30·29	+ ·09	33	33	0	S	0	f	*	m	*	35	32	0·04
	Lyons	30·39	38	NNW	3	o	30·34	+ ·09	36	36	− 1	NW	1	r	*	o	*	40	35	0·08
	Nice	29·89	49	E	1	bc	29·96	+ ·15	45	39	+ 1	E	3	bc	2	bc	*	61	43	—
	Perpignan	30·25	47	NW	5	b	30·28	+ ·10	50	44	+ 6	NW	3	bc	*	b	*	50	44	—
	Biarritz	30·43	50	N	2	o	30·36	+ ·03	53	48	+ 6	WNW	4	o	5	o	*	58	48	0·20
	Corunna																*			
	Lisbon	30·51	48	N	4	b	30·49	− ·02	42	37	− 6	N	3	b	*	b	*	55	41	—
	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 4·2 *hrs.*

WEATHER CHARTS

FOR Tuesday, 9th January, 1900.

BAROMETER, WIND AND SEA.

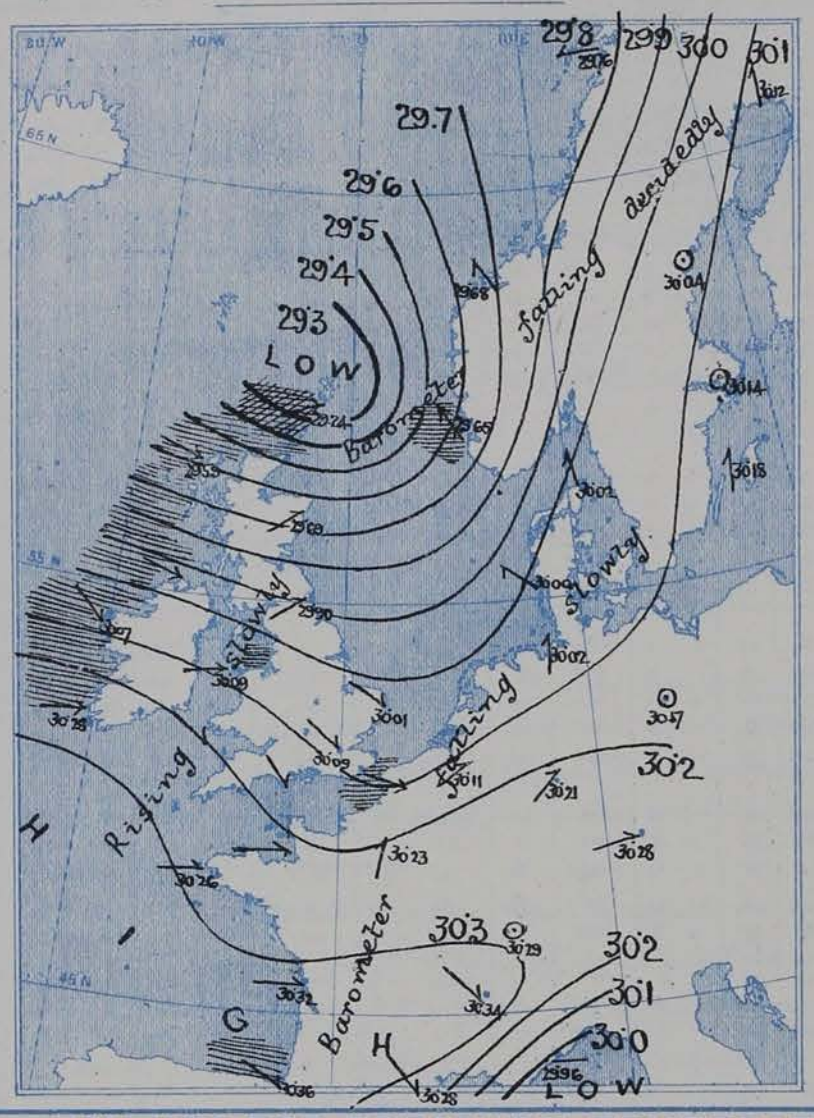
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

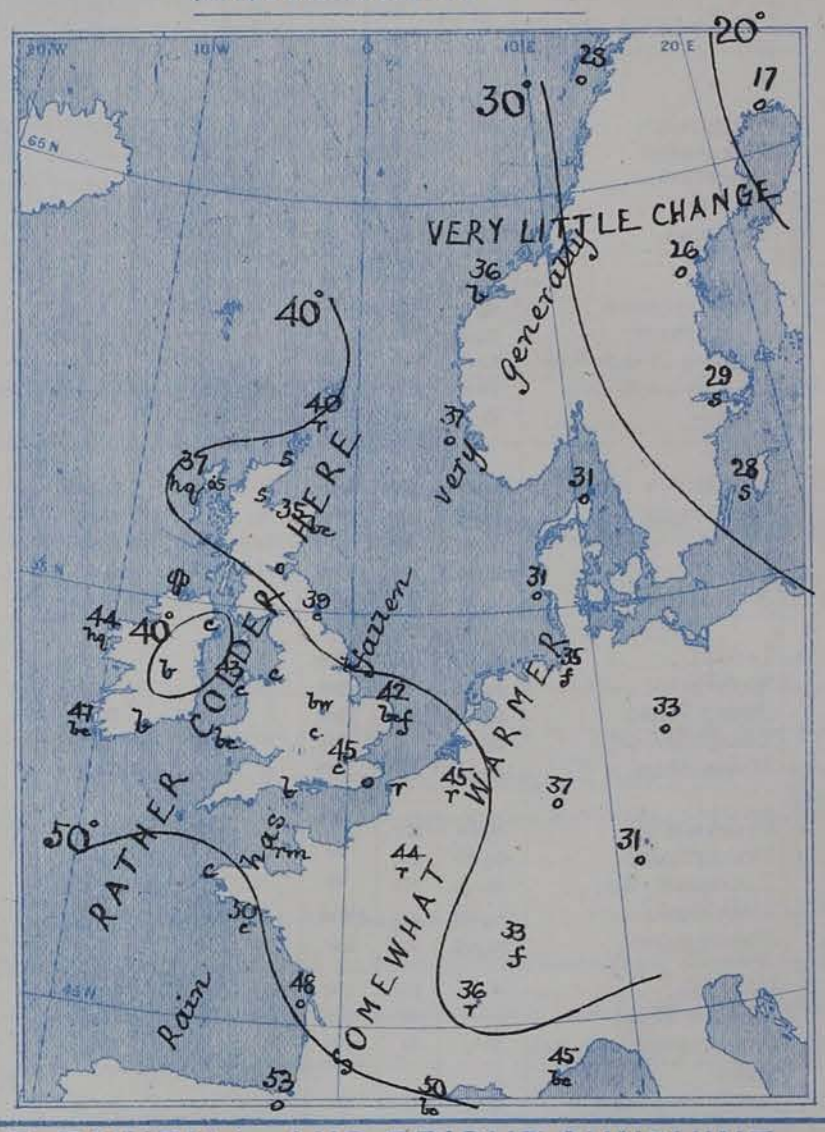


TEMPERATURE AND WEATHER.

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	14	1881	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	29·930	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 over the Bay of Biscay and the SW^rn. parts of France; 30.1 ins. and upwards over the Baltic.
Lowest 29.3 ins. and less in a rather deep depression with its centre over the Shetlands.
Gradients steep or rather so over Norway and the N^rn. parts of our Islands and the North Sea, moderate or slight elsewhere. Barometer rising in our Islands, but falling at most of the Continental stations.

TEMPERATURE

Highest 53° at Biarritz, 52° at Brest, 50° at Jersey, Lorient and Perpignan, & 48° at Cape Gris Nez & Rochefort.
Lowest 19° at Haparanda, 26° at Hernösand and Karlstad, and 28° at Bodö; lowest in our Islands 34° at Wick.
During yesterday the thermometer rose to 50° and upwards at several of the English and Irish stations and to 54° at Jersey.

WIND

W.^ly or NW.^ly over the greater part of the United Kingdom and the north and west of France, and strong in force on our extreme north and northwest coasts.
Moderate from the SW.^rn. on the northeast coasts of Gt. Britain and also over the Netherlands; SE.^ly on the eastern shores of the North Sea, with a gale at Skudesnaes; S.^ly in Sweden.

WEATHER

Fair or fine over the greater part of the United Kingdom, but showery on our extreme NW. coasts; snow was falling in the N. of Scotland.
Dull at most of the Continental stations, with rain in several parts of France and Belgium, and snow at Stockholm and Visby; fine in the extreme S. of France.
Since yesterday morning rain has fallen over nearly the whole of W^rn. Europe, but the quantity has been mostly slight. Lunar halos were seen last night at Stornoway and Spurn Pt.

SEA

High at Dornbugh Pt., and rather rough on our extreme N. and NW. coasts generally, as well as at Cape Gris Nez and Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over N^rn. Europe appears to be giving way, while the newer system in the SW. is inclined to spread N^wds. Some improvement in the weather seems probable over our Islands as a whole, with lower temperatures than of late.

FORECASTS

For the 24 hours ending at NOON on 10^th JANUARY 1900

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W.^ly to NW.^ly gales or strong winds, squally, some snow showers.
1 SCOTLAND EAST	SW.^ly to NW.^ly winds increasing in force, squally, some snow showers.
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	W.^ly and NW.^ly winds, moderate; changeable, some showers, becoming colder.
6 SCOTLAND WEST	W.^ly and NW.^ly winds, strong, squally, some cold rain or sleet.
7 ENGLAND N.W.	
8 ENGLAND S.W.	NW.^ly winds, moderate or fresh; fair generally, but local showers.
9 IRELAND NORTH	Same as Nos. 6 and 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	At 7.15 pm yesterday to districts 0, 1, 6, 7 and 9 Hoist South Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·02	35	33	SSE.	6	o	4
Sumburgh Head	29·69	43	40	WSW	3	bc	4
Stornoway... ...	29·73	45	43	WSW	3	bc	3
Aberdeen	29·88	41	38	SW	2	bm	2
Shields	29·98	44	42	SW	2	b	2
Malin Head ...	29·85	43	42	SSW	4	o	3
Blacksod Pt.. ...	29·89	46	43	W	5	cpq	4
Holyhead	30·08	47	46	WSW	3	r	2
Valencia	30·13	52	50	SW	5	ogm	5
Scilly							
Jersey	30·32	53	50	WSW	3	cp	3
Portland Bill ...	30·21	49	48	NW	3	op	3
Dungeness ...	30·16	47	46	WNW	3	b	2
London (Westminster)	30·15	49	47	W	2	bc	*
Yarmouth ...	30·06	43	42	WNW	3	c	3
Rochefort ...	30·36	51	48	NNW	3	b	*

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

Weather in morning cloudy and unsettled over Europe as a whole, with showers at several of the English and Irish stations, steady rain in some parts of France and N^rn. Italy and also in Tunis, and more in several parts of Denmark, Sweden and N^rn. Russia. Thunderstorm reported at Malta. Fine in Iceland and also over Spain and the central and S^rn. parts of Russia. Rain falling later over nearly the whole of W^rn. Europe; lunar halos seen at Stornoway & Spurn Head.

Temperature risen in most parts of our Islands, Scandinavia and N^rn. Russia,—quickly in Sweden, fallen elsewhere. Morning readings highest 59° at Oran, 57° at Malta, and 56° at La Calle, above 50° at most of the Mediterranean stations, and just touching that point at Valencia (Ireland). Lowest −9° F. at Moscow, −4° at Kuopio and Kharkov, and −1° at Ulealborg; below the freezing point over N^rn. central and E^rn. Europe generally. Rising during day to 50° and upwards in several parts of England and Ireland, and also in the W. and S. of France, and reaching 61° at Nice.

Wind moderate from the SW^wd. or W^wd. over the greater part of our Islands, but S. by W. on the northeast coasts of Gt. Britain; SE. by S. in Denmark and the south of Scandinavia; S. by W. over the Gulf of Bothnia; NW. by W. over France and Spain and N. by W. in Portugal. Cyclonic circulation shown over Italy and the neighbouring parts of the Mediterranean; W. by N. in Austria. Calm or variable in Russia. Subsequently increasing to a strong breeze from the SW^wd. on our own extreme northwest coasts. No important change occurring elsewhere.

Barometer highest 30.7 ins. to 30.2 ins. in an anticyclone over Russia and Sweden; 30.5 ins. to 30.2 ins. in another system over the Spanish Peninsula, France and the extreme S. of England. Lowest 29.7 ins. and less in a depression off the N. of Scotland, and also in another system over central Italy. New disturbance approaching the N. of Scotland later, and barometer falling briskly on our extreme NW. coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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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, 10th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	29.92	24	S	2	S	29.90	-.22	22	22	+5	SW	2	O	•	S	•	25	7	0.08
	Hernösand	29.93	26	SW	2	O	29.87	-.17	26	25	0	E	2	S	•	O	•	27	16	-
	Stockholm	30.00	33	S	2	O	29.89	-.25	33	32	+4	S	2	O	•	O	•	34	25	0.04
	Wisby	30.06	29	S	4	•	29.92	-.26	32	31	+4	S	4	S	•	O	•	?	25	0.20
	Karlstad	29.68	27	E	O	S	29.80	-.27	32	31	+6	SW	2	S	•	S	•	•	•	0.12
	Bodö	29.69	27	E	4	c	29.66	-.10	26	23	-2	E	4	b	1	c	•	28	25	-
	Christiansund ...	29.50	38	SE	2	c	29.63	-.05	36	32	-1	E	O	c	3	c	•	39	34	0.04
	Skudesnaes ...	29.62	40	S	8	r	29.60	-.05	38	38	+1	SSE	6	O	4	o.r	•	41	34	•
	Færder (X'iania Fjord)	29.76	33	S	4	m	29.73	-.28	32	32	+4	SSE	4	fq	3	m	•	34	28	0.08
	The Scaw Skag	29.77	33	SSW	1	m	29.75	-.27	32	32	+1	SW	1	fq	O	m	•	34	30	0.04
	Fano	29.91	35	SW	4	c	29.75	-.25	33	33	+2	SW	2	c	•	c	•	36	31	0.16
British Islands	Sumburgh Head ...	29.26	40	NNW	7	c	29.82	+.58	40	40	0	N	5	r	7	c	•	42	38	0.45
	Stornoway	29.73	38	NNW	6	O	30.13	+.54	39	38	+2	NNW	3	b	3	h.p.c.o.	1.4	42	34	0.15
	Wick	29.61	36	NW	7	O	30.00	+.44	40	37	+6	NNW	6	cu	5	o.l	•	41	32	0.10
	Nairn	29.73	36	W	3	O	30.07	+.43	40	37	+5	W	3	bc	2	O	•	40	32	0.17
	Aberdeen	29.74	38	WSW	5	bq	29.97	+.28	39	36	+4	NW	8	bcqu	.5	bq.l	5.8	39	34	-
	Leith	29.87	37	WSW	3	bc	30.09	+.26	37	34	+1	WSW	3	b	•	sp.bc	•	41	32	0.02
	Shields	29.94	39	WSW	3	c	30.01	+.11	37	35	-2	WSW	3	bc	2	bc.r	•	42	34	0.01
	Spurn Head ...	30.04	39	W	6	bc	30.03	+.06	39	38	0	W	6	b	3	bc	•	45	37	-
	Loughborough ...	30.15	40	NNW	3	c	30.15	+.07	38	37	0	NNW	3	bc	•	bc.cqp	•	45	37	0.05
	Malin Head ...	30.01	44	NNW	6	bcqr	30.25	+.34	44	43	+2	NNW	5	bc	4	bcqr	•	45	40	0.08
	Blacksod Pt. ...	30.23	45	NNW	5	bcq	30.31	+.24	45	43	+1	NW	4	cp	3	bchp.q	•	46	43	0.11
	Donaghadee ...	30.07	40	NW	4	b	30.22	+.23	41	40	+5	NW	5	bcqp	4	b	-	43	34	0.06
	Liverpool (Bidston)	30.11	41	WSW	6	c	30.19	+.14	41	40	+1	W	6	bc	5	chp	•	44	38	0.27
	Holyhead	30.17	45	W	6	cq	30.26	+.17	46	44	+3	NW	6	crsp	5	bc.cq	•	46	40	-
	Parsonstown ...	30.27	40	W	1	b	30.38	+.23	40	37	+2	W	1	bc	•	b	5.5	45	37	-
	Valencia	30.24	48	NNW	4	bc	30.48	+.20	46	43	-1	W	1	oq	4	bc	5.5	49	44	0.02
	Roche's Point ...	30.34	45	NW	3	bc	30.45	+.20	44	41	+1	NNW	4	b	3	bc	•	48	42	0.01
	Pembroke (St. Ann's Hd.)	30.26	46	NW	5	b	30.33	+.14	46	44	+1	NW	5	bc	3	b	6.2	47	44	-
	Scilly																			
	Jersey (St. Aubin's) ...	30.31	46	NW	3	b	30.38	+.18	47	43	-3	NNW	3	b	3	c.p	•	51	44	0.01
	Portland Bill ...	30.24	45	NNW	5	b	30.28	+.15	45	44	-2	NNW	6	c	4	b	•	50	42	-
	Dungeness	30.18	36	NW	2	b	30.15	+.06	38	37	-8	NNW	3	bc	3	c.b	•	46	33	-
	London (Brixton) ...	30.18	40	W	2	b	30.20	+.11	40	38	-5	NW	2	o	•	b.q	3.0	46	34	-
	Oxford	30.23	37	WSW	3	b	30.21	+.09	40	39	-2	W	4	ou	•	b	•	45	36	-
	Yarmouth	30.05	38	NNW	3	b	30.03	+.02	38	36	-4	NNW	4	b	4	bc.b	•	43	35	0.01
Germany	Cuxhaven	29.93	37	NW	1	O	29.81	-.21	34	34	-1	SW	3	O	•	rf.o	•	39	32	0.08
	Berlin	30.04	35	E	O	O	29.96	-.21	36	35	+3	SW	2	r	•	O	•	36	32	0.04
	Wiesbaden	•	•	•	•	•	30.10	-.11	37	35	0	W	4	bc	•	•	•	39	36	0.43
	Munich	30.15	29	W	1	bc	30.07	-.21	33	33	+2	W	4	S	•	bc	•	36	28	0.16
France & Netherlands	The Helder ...																•			
	Brussels	•	•	•	•	•	30.10	-.01	35	34	-10	WSW	3	r	•	b	•	46	32	0.24
	C. Gris Nez ...	30.15	43	NNW	4	bc	30.10	+.03	43	41	-5	NW	6	o	6	bc	•	50	39	-
	Paris	30.21	43	NW	3	r	30.28	+.05	35	34	-9	SW	2	bc	•	r	•	48	32	0.04
	Brest	30.44	46	N	3	c	30.45	+.19	48	46	-4	N	3	c	3	c	•	52	45	-
	Lorient	30.39	46	NNW	4	bc	30.45	+.19	45	?	-5	NW	4	bc	4	bc	•	52	43	?
	Rochefort	30.31	50	W	2	O	30.43	+.11	45	43	-3	NNW	4	bc	•	O	•	54	41	-
	Belfort	30.17	37	N	1	fq	30.26	-.03	32	31	-1	W	2	c	•	fq	•	38	32	0.08
	Lyons	30.27	49	SE	1	r	30.32	-.02	34	32	-2	SW	1	b	•	r	•	42	33	0.12
	Nice	30.00	46	E	1	b	29.97	+.01	42	36	-3	E	2	b	1	b	•	55	41	-
	Perpignan	30.23	50	NW	3	O	30.26	-.02	49	44	-1	NW	3	c	•	O	•	55	48	-
	Biarritz	30.34	51	W	4	r	30.48	+.12	47	46	-6	E	1	O	4	r	•	54	43	0.55
Span. Pen.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)	30.29	61	ESE	5	O	30.22	-.10	61	58	+2	SSE	6	c	7	O	•	63	59	-

‡ *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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine on the Previous Day 5.1 hrs

WEATHER CHARTS

FOR Wednesday, 10th January, 1900

BAROMETER, WIND AND SEA.

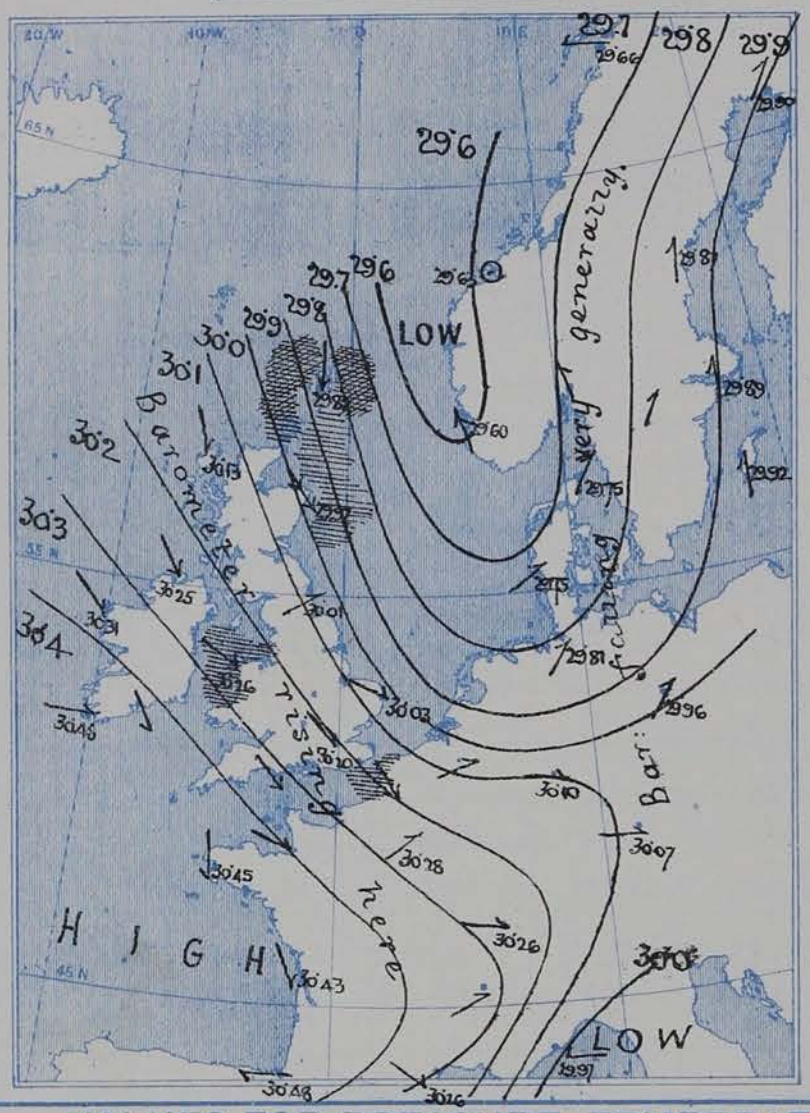
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▬

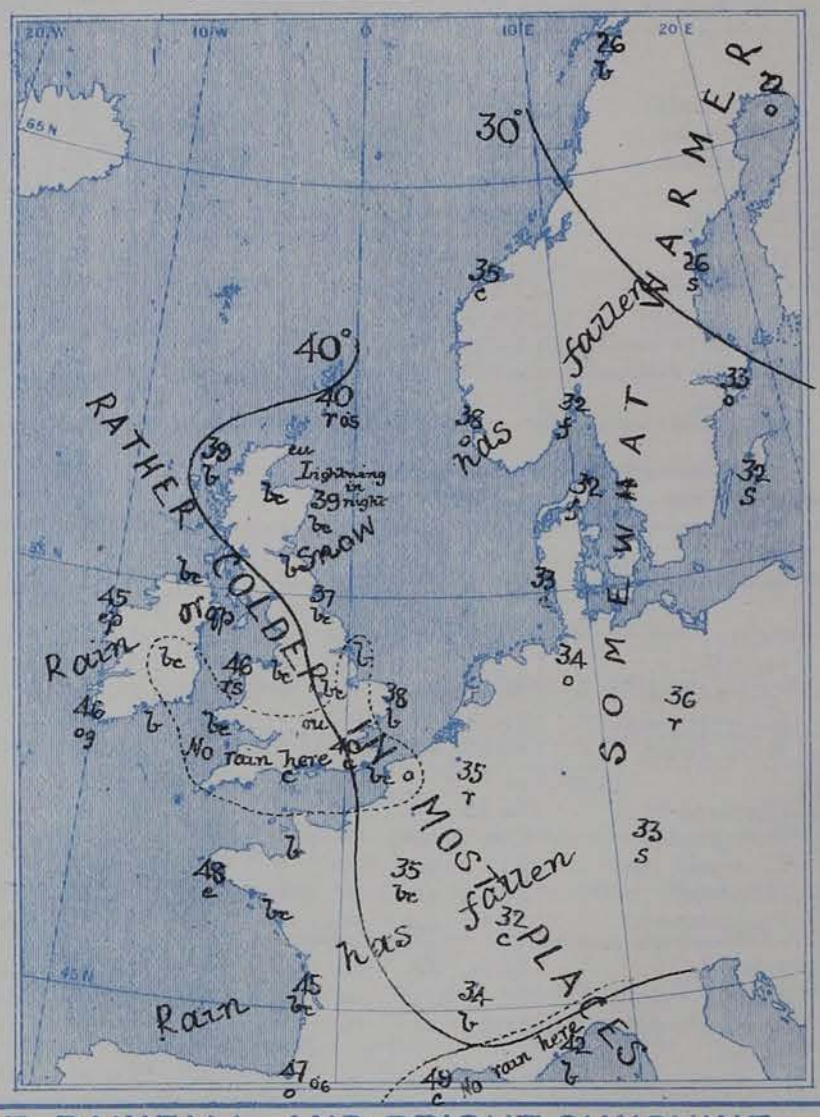


TEMPERATURE AND WEATHER.

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	14	1881	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	29·980	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 an anticyclone extending from the Atlantic over the Bay of Biscay, the west of France and the south of Ireland.
Lowest, 29·6 in: and less, over the Bay of Biscay, the west of France and the south of Ireland.
Gradients moderate or slight generally.
Barometer rising in our Islands and France, but falling in Scandinavia, Denmark, and Germany.

TEMPERATURE

Highest, 49° at Perpignan, 48° at Brest, 47° at Jersey and Biarritz and 46° at Holyhead, Pembroke, and Valencia (Ireland).
Lowest, (1) 22° at Haparanda, and 26° at Bodö and Hernösand; (2) 32° at Belfast, lowest in our Islands 37° at Leith and Shields.
The maxima registered yesterday were below 46° at most of our northern and eastern stations, but above that point in the west and south: at Portland Bill the thermometer rose to 50° and at Jersey to 51°.

WIND

NW^{ly} over the greater part of our Islands and the north and west of France; strong in force on account of the more exposed parts of our coasts, with a gale at Aberdeen.
W^{ly} on the east coasts of England: light from the SW^{ard} over the northeast of France, Germany, and Denmark; S^{ly} or SE^{ly} in Scandinavia.

WEATHER

Fine over the greater part of the United Kingdom and France, but showery at some of our more western stations: raining at Lerwick Hd. Hail in Scandinavia, Denmark and Germany, with fog over the Skaga Rack, rain at Berlin, and snow at Hernösand, Wisby, and Munich. Showers fell yesterday in many parts of Western Europe, with sleet and hail in the north. Lightning was seen last night at Wick and Aberdeen

SEA

High at Lerwick Head, rough at Cape Gris Nez, rather rough on our north and northwest coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the north of Scotland has moved on to the Norwegian coasts, and is now filling up.
The anticyclone in the southwest continues to spread slowly over our Islands, and for the present fair weather seems probable in most districts, but with local showers at first.

FORECASTS

For the 24 hours ending at NOON on 11TH JANY 1900

DISTRICTS.		FORECASTS.
↑ 0	SCOTLAND NORTH	NW^{ly} winds, backing later; fair generally, but local showers.
↑ 1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^{ly} and NW^{ly} winds, fresh; fair generally but perhaps local showers.

DISTRICTS.		FORECASTS.
↑ 6	SCOTLAND WEST	NW^{ly} winds, strong; changeable, some showers.
↑ 7	ENGLAND N.W.	
8	ENGLAND S.W.	NW^{ly} winds, moderate; fair generally.
↑ 9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	Same as No 8.

WARNINGS

The South Cone is still flying in districts 0, 1, 6, 7, and 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.66	39	38	S	4	o	4
Sumburgh Head	29.18	40	39	W	6	c	7
Stornoway... ...	29.66	42	38	NW	6	c	6
Aberdeen	29.72	38	34	SW	4	bq	3
Shields	29.93	41	38	SW	3	bc	2
Malin Head ...	29.96	43	41	WNW	6	bc	5
Blacksod Pt.. ...	30.15	45	42	WNW	5	bcqjp	4
Holyhead	30.12	44	40	W	6	bc	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.33	46	43	W	5	bcjp	6
Scilly							
Jersey	30.26	49	44	NW	3	c	3
Portland Bill ...	30.21	46	41	NW	5	b	4
Dungeness ...	30.14	43	41	NNW	3	c	1
London (Westminster)	30.14	49	42	WNW	3	bc	*
Yarmouth ...	30.03	42	40	WNW	3	bc	3
Rochefort ...	30.26	53	51	W	2	o	*

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

Weather in morning fair or fine over the greater part of the United Kingdom, but cheasing on our extreme northwest coasts; snow and hail were falling in the north of Scotland. Dull at most of the Continental stations, with rain in several parts of France and Germany, and snow in the south of Sweden, as well as at Kuopio, Breslau and Vienna. Showers falling later in the west and north of our Islands generally, and rain at several of the Continental stations. Lightning seen in the northeast of Scotland at night.

Temperature risen in Denmark, Germany and France, but fallen elsewhere. Morning readings 56° at Malta and Algiers, and 55° at Palma; above 50° at most of the Mediterranean stations. Lowest -8° F. at St Petersburg and Charkov; and -6° at Moscow; considerably below the freezing point in most parts of Russia and Eastern Germany, and slightly in many parts of northern and central Europe. Daily maxima below 45° at most of our more northern and Eastern stations, but thermometer exceeding that point in the west and south; exceeding 50° in the Channel Islands and the west and south of France.

Wind W³ or NW³ over the greater part of our Islands and France, and strong in force on our extreme north and northwest coasts; SW³ over the Netherlands; S³ over Sweden and the Baltic and northern Russia; SE³ or E³ in Norway. Variable over Austria and the south of Russia, NE³ over Italy and the Adriatic, N³ over the Spanish Peninsula. Subsequently increasing to a gale from the NW³ in the north of Scotland; no important change occurring elsewhere.

Barometer highest 30·6 in: and upwards in an anticyclone over western and central Russia; 30·5 in: and upwards in another system over the western and central parts of the Spanish Peninsula. Lowest 29·3 in: and less, in a deep depression with its centre over the Shetlands; 29·6 in: and less, in another disturbance with its centre near Malta. Depression in north subsequently moving slowly eastwards and barometer rising over the United Kingdom generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 11th January, 1900.

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	29.95	26	SW	2	S	29.99	+.09	24	23	+2	2	0	0		S		27	21	0.04
	Hernösand	29.97	22	2	0	0	30.12	+.25	21	20	−5	S	2	bc		0		27	21	0.08
	Stockholm	29.99	32	2	0	0	30.15	+.26	30	30	−3	SW	2	0		0		34	30	0.04
	Wisby	30.02	33	S	4	c	30.16	+.24	38	32	+1	N	4	0		0		34	27	0.04
	Karlstad	30.00	32	2	0	0	30.18	+.38	22	21	−10	NNW	2	b		0.S				
	Bodö	29.87	25	E	4	S	30.00	+.34	36	33	+10	WSW	5	0	3	S		?	21	
	Christiansund ...	30.05	37	NE	2	S	30.28	+.65	36	33	+1	N	2	0	4	S		37	32	0.28
	Skudesnaes ...	30.08	36	NNW	2	bc	30.28	+.68	34	33	−4	N	2	b	2	b		39	34	
	Færder (X'iania Fjord)	29.99	31	W	1	m	30.20	+.47	28	26	−4	NNW	4	b	2	m		32	28	−
	The Scaw (Skagen)	30.13	33	2	0	S	30.20	+.45	32	32	0	NNE	1	m	0	S		34	30	−
	Fanö	30.01	32	N	2	0	30.21	+.46	31	31	−2	N	2	c		0		34	30	−
British Islands	Sumburgh Head ...	30.22	38	N	3	c	30.26	+.44	38	37	−2	2	0	0	4	c		41	35	0.03
	Stornoway	30.31	38	NNW	2	0	30.19	+.06	44	43	+5	SSW	4	0	4	bc.0	1.8	44	34	0.20
	Wick	30.28	35	NW	2	c	30.28	+.28	37	36	−3	SSW	2	0	2	c		40	34	0.01
	Nairn	30.37	36	W	1	c	30.30	+.23	36	35	−4	2	0	0	1	c		42	30	−
	Aberdeen	30.32	37	NW	3	bc	30.36	+.39	34	32	−5	W	1	om	3	bq.bc	4.1	41	30	−
	Leith	30.33	37	WSW	3	b	30.37	+.28	35	35	−2	WNW	1	r		b		46	32	0.03
	Shields	30.30	39	NW	3	b	30.39	+.38	35	33	−2	WSW	2	m	3	bc.b		43	32	−
	Spurn Head ...	30.23	40	NW	1	c	30.39	+.36	36	36	−3	WNW	4	c	5	c		45	35	−
	Loughborough ...	30.33	37	WNW	3	b	30.45	+.30	33	32	−5	NW	1	0		bc.b,om		42	32	−
	Malin Head ...	30.38	45	W	1	c	30.27	+.02	43	43	−1	SSW	2	og	0	bc.c		45	42	0.05
	Blacksod Pt. ...	30.45	45	WSW	2	c	30.27	−.04	49	48	+4	WSW	4	or	3	bcp.c		49	42	0.12
	Donaghadee ...	30.39	40	NW	3	b	30.36	+.14	41	40	0	SW	1	r	2	b		45	35	0.07
	Liverpool (Bidston)	30.37	39	W	3	b	30.45	+.26	38	37	−3	SSW	1	r	?	b		43	36	0.02
	Holyhead	30.40	46	NNW	6	bc	30.40	+.14	45	44	−1	S	1	am	1	bcp		46	42	0.06
	Parsonstown ...	30.46	39	WNW	1	0	30.38	.00	44	43	+4	S	1	0	*	bc.b	4.1	45	37	0.16
	Valencia	30.50	47	SW	1	0	30.42	−.06	49	49	+3	SW	1	og	3	0	0.0	50	45	0.04
	Roche's Point ...	30.49	45	NNW	3	0	30.43	−.02	50	50	+6	WSW	3	r	3	0.rf		50	44	−
	Pembroke (St. Ann's Hd.)	30.41	46	NNW	3	c	30.46	+.13	46	45	0	W	2	0	2	c	6.3	47	44	0.02
	Scilly	30.45	48	NNW	5	c	30.48		49	45		NW	4	0	3	c	3.0	53	44	0.02
	Jersey (St. Aubin's) ...	30.37	48	NW	5	cgp	30.48	+.10	43	40	−4	NNW	3	cm	3	bc.cgp		52	42	0.01
	Portland Bill ...	30.35	45	NNW	5	bc	30.47	+.19	38	37	−7	NNE	1	0	2	bc		47	36	−
	Dungeness	30.23	37	NNW	3	c	30.40	+.25	36	34	−2	N	3	c		b.c		44	34	−
	London (Brixton) ...	30.31	40	NW	2	b	30.46	+.26	35	33	−5	W	1	bm		bc.b	2.6	45	34	0.03
	Oxford	30.38	37	NNW	3	b	30.47	+.26	34	33	−6	WSW	1	bc		rsp.b		45	33	0.01
	Yarmouth	30.12	40	NW	5	bc	30.37	+.34	40	39	+2	N	3	cv	4	c.bc		42	35	0.03
France & Netherlands. Germany.	Cuxhaven	29.80	36	SW	1	b	30.16	+.35	34	33	0	N	2	0		b		36	32	0.12
	Berlin	29.95	34	SW	2	c	30.08	+.12	32	32	−4	2	0	f		c		37	32	−
	Wiesbaden	*	*	*	*	*	30.14	+.04	37	35	0	N	4	0		*		41	34	0.20
	Munich	30.07	30	W	3	bc	30.09	+.02	29	29	−4	W	4	S		bc		34	28	0.04
	The Helder ...																			
	Brussels	*	*	*	*	*	30.33	+.23	37	35	+2	NNE	1	0		r		42	34	0.24
	C. Gris Nez ...	30.22	42	N	1	2	30.35	+.25	39	38	−4	N	6	bc	6	c		46	36	−
	Paris	30.25	40	SW	2	b	30.34	+.06	38	36	+3	NW	3	bc		b		44	?	−
	Brest ...	30.47	48	N	4	c	30.50	+.05	46	45	−2	NE	1	0	2	c		50	45	−
	Lorient	30.43	46	N	4	bc	30.52	+.07	44	42	−1	N	3	0	3	bc		52	43	−
	Rochefort	30.39	47	NNW	4	bc	30.46	+.03	42	40	−3	NNE	3	0		c.bc		50	39	−
	Belfort	30.10	32	WSW	4	S	30.12	−.14	32	32	0	W	4	S		S		37	30	0.43
	Lyons	30.21	37	NW	1	r	30.26	−.06	34	33	0	NNW	4	S		r		39	32	0.16
	Nice	29.86	46	E	1	c	29.91	−.06	37	31	−5	E	4	b	3	c		54	34	0.12
	Perpignan	30.25	47	NW	6	b	30.21	−.05	41	35	−8	NW	6	b		b		50	39	−
	Biarritz	30.42	50	NNW	5	bc	30.43	−.05	45	43	−2	ENE	2	r	5	bc		50	43	0.28
Span. Pen.	Corunna																			
	Lisbon	30.45	51	N	3	c	30.47	.00	44	39	+1	NNE	4	b		c		55	41	−
	Azores (P. Delgada)	30.19	61	SSE	6	0	30.19	−.13	62	59	+1	SSE	5	c	6	0		64	59	−

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

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the [illegible] Training College, Westminster.*

Bright Sunshine yesterday Southport 6.6 hrs.

WEATHER CHARTS

FOR Thursday, 11th January, 1900.

BAROMETER, WIND AND SEA.

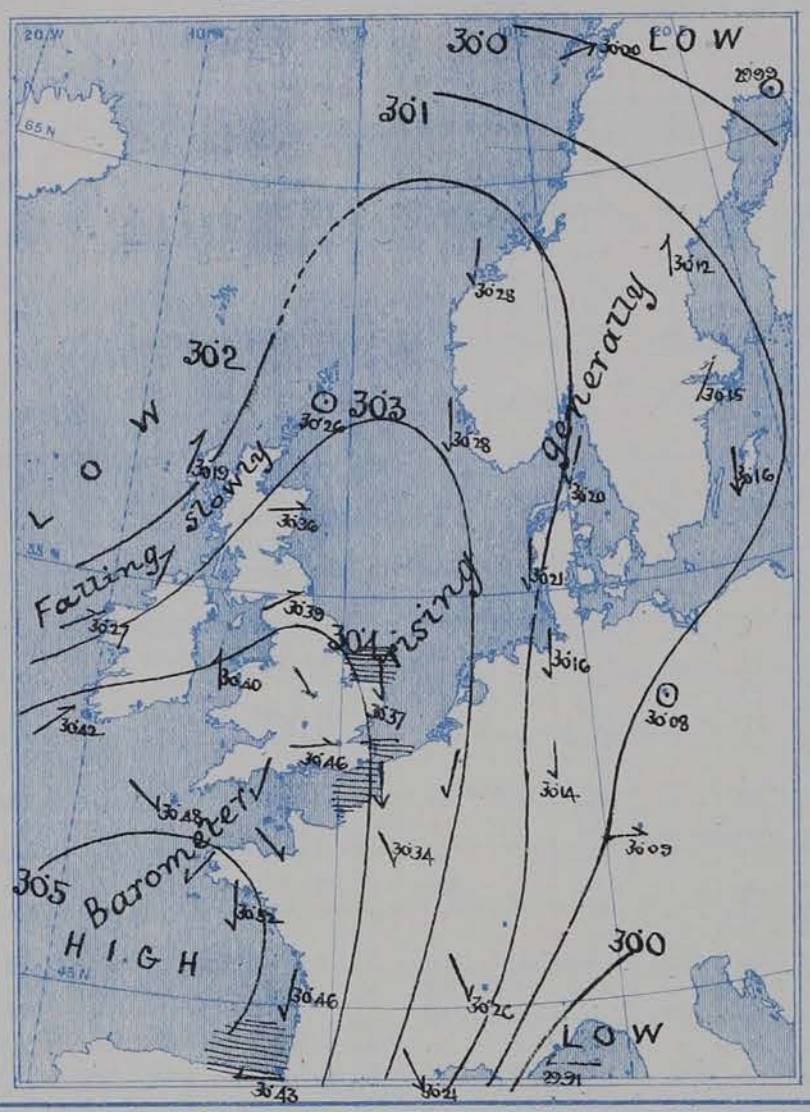
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▬

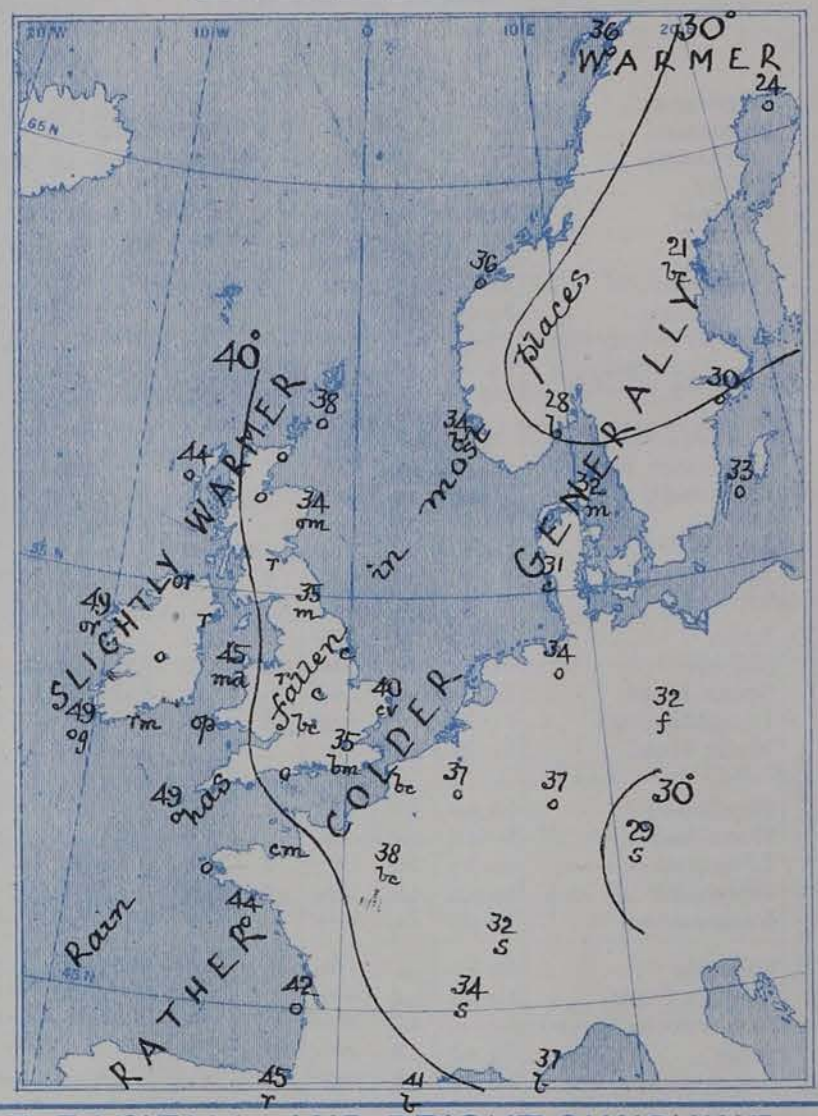


TEMPERATURE AND WEATHER.

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	14	1881	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 northwest of France; 30·2 in: and upwards in an anticyclone covering the whole of Western Europe. Lowest, 29·9 in: and less, in a depression over the Gulf of Genoa; 30·0 in: and less, in the extreme north of Scandinavia. Gradients slight. Barometer rising generally, but falling a little at most of our more western stations.

TEMPERATURE — Highest, 50° at Rocket Point, 49° at Blackhead Point, Valencia (Ireland), and Scilly, and 46° at Pembroke and Brest. Lowest, (1) 21° at Hernösand, 22° at Karlstad and 24° at Haparanda; (2) 29° at Munich: lowest in our Islands 33° at Loughborough. Frost occurred last night in many parts of Great Britain, the lowest readings reported being: (1) In the screen 30° at Nairn and Aberdeen and 32° at Leith, Shields and Loughborough: (2) On the grass 23° at Loughborough and 27° in London.

WIND — Light to moderate from the N^m or NW^m over the east and south of England and the western parts of the Continent generally. W^l to SW^l in all the more western and southern parts of our Islands. S^r at some of the Swedish stations.

WEATHER — Fair or fine in the east and southeast of England as well as in some parts of Scandinavia, but dull over Western Europe generally, with rain at several of our more western and northern stations, as well as at Biarritz. Snow is falling at Munich, Belfast and Lizard. Since yesterday morning rain, snow, or sleet has fallen in nearly all parts of Western Europe, but the quantity has been mostly slight. A lunar halo was seen yesterday at Stornoway.

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday in the southwestern part of our area has now spread over the whole of Western Europe. Depressions have, however, begun to skirt our extreme northwestern coasts, and it is therefore doubtful whether the present type will continue for long. Further disturbances are likely to appear shortly off our western coasts, and some extension of cloudy unsettled weather is probable.

FORECASTS

For the 24 hours ending at NOON on 12^th JAN^y 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^r and SW^r winds, freshening; dull, some rain.
1	SCOTLAND EAST	W^r to S^r winds, light or moderate; dull, some rain.
2	ENGLAND N.E.	
3	ENGLAND EAST	W^r and SW^r winds, light; fair at first, some rain later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S^r and SW^r winds, light to fresh; dull, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W^r and SW^r winds, light; dull, some rain.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·82	39	37	NE	2	b	3
Sumburgh Head	30·11	39	37	N	3	c	6
Stornoway... ...	30·27	44	42	NNW	2	bc	2
Aberdeen	30·19	40	37	NW	6	bq	5
Shields	30·18	43	38	NW	4	bc	3
Malin Head ...	30·34	45	44	NNW	2	bc	3
Blacksod Pt.. ...	30·39	47	45	W	1	bcp	1
Holyhead	30·34	46	42	NW	6	bc	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30 [illegible]	48	45	W	2	0	5
Scilly							
Jersey	30·36	51	46	NW	4	bc	3
Portland Bill ...	30·28	47	44	NNW	6	bc	5
Dungeness ...	30·17	44	40	NNW	4	b	3
London (Westminster)	30 21	46	41	NW	4	b	*
Yarmouth ...	30 66	42	38	NW	5	c	5
Rochefort ...	30 43	49	46	NNW	4	c	*

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

Weather fine over the greater part of the United Kingdom and France, but showery at some of our own western stations and rainy at Sumburgh Head. Dull and unsettled in nearly all other parts of Europe, with fog in Denmark, rain at Brussels and Berlin and also at Pakruno, and snow in Austria and south Germany, as well as in several parts of Sweden and northern Russia, fine in the south of Russia. A little rain falling later in many parts of Western Europe.

Temperature risen in the west and north of our Islands and the northern parts of the Continent, but fallen elsewhere. Morning readings highest 59° at La Calle, 57° at Malta and 52° at Alpiea, but below 50° at the Mediterranean stations generally. Lowest, -17° F. at Kharkov, -9° at Moscow, and -1° at Riga, below the freezing point over northern and Eastern Europe generally. Daily maxima below 45° at most of our own northern and eastern stations, but thermometer rising to between 50° and 53° on our southwest coasts and also in the west of France. Frost occurring over Great Britain at night.

Wind NW³ over the greater part of our Islands and France, and strong in force on the more exposed parts of our coasts; W³ on the east coasts of England; light from the SW.ᵈ over the Netherlands, Germany and Denmark. S³ over Scandinavia, Finland and the Baltic. NE³ or N³ over Italy, the Spanish Peninsula and the south of Russia. Variable in Austria. Subsequently backing to the SW.ᵈ in the west of Ireland. No important change occurring elsewhere.

Barometer highest 30·7 ins: to 30·2 ins: in an anticyclone over Russia; 30·5 ins: to 30·3 ins: in another system over the Spanish Peninsula, France, and all the more southwestern parts of our islands. Lowest 29·6 ins and less, in a depression off the southwest of Norway, 29·8 ins: and less in another system over Greece, southern Italy and the neighbouring parts of the Mediterranean. Anticyclone over southwestern Europe subsequently spreading northwards; Norwegian depression moving southeastwards and filling up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 12th January, 1900.

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 ...	30.20	5	SW	2	b	30.37	+.38	-7	-8	-.31	SE	2	b	.	b		27	?	-
	Hernösand ...	30.35	10	W	0	b	30.48	+.36	3	3	-.18	W	0	b	.	b	.	27	?	-
	Stockholm ...	30.28	27	W	0	0	30.52	+.37	22	20	-.8	NW	2	b	.	0	.	30	22	-
	Wisby ...	30.32	30	NE	4	c	30.45	+.29	33	32	0	NE	4	0	.	c	.	34	28	-
	Karlstad ...	30.42	19	NW	2	b	30.57	+.39	13	12	-.9	N	2	b	.	b	.	.	.	-
	Bodö ...	30.26	37	W	4	f	30.22	+.22	35	31	-.1	NSW	4	0	2	f		37	32	-
	Christiansund ...	30.30	33	NE	2	b	30.34	+.06	33	31	-.3	ESE	2	b	3	b	.	37	28	-
	Skudesnaes ...	30.45	32	W	0	b	30.49	+.21	35	32	+.1	SE	4	c	3	b	.	36	32	.
	Færder (X'iania Fjord)	30.48	29	NNW	4	b	30.58	+.38	24	23	-.4	N	4	b	2	b	.	30	21	-
	The Scaw (Skagen)	30.43	31	NE	1	b	30.55	+.35	28	28	-.4	ENE	1	0	0	b	.	32	25	-
	Fanö ...	30.45	25	NE	4	m	30.50	+.29	25	25	-.6	NNE	1	c	.	m	.	32	23	-
British Islands	Sumburgh Head ...	30.25	40	SSW	2	b	30.08	-.18	45	44	+.7	SSW	4	r	5	c.b	.	45	37	0.02
	Stornoway ...	30.12	47	SSW	5	r	29.99	-.20	48	47	+.4	SSW	5	r	5	a,r	0.0	48	42	0.12
	Wick ...	30.20	43	S	4	bc	30.13	-.15	44	43	+.7	S	4	c	3	bc	.	44	37	-
	Nairn ...	30.23	33	W	0	0	30.10	-.20	43	42	+.7	SW	1	0	1	0	.	45	32	0.05
	Aberdeen ...	30.30	35	SSW	2	bmw	30.23	-.13	40	40	+.6	S	3	0 gm	2	bm.r	1.9	40	34	0.03
	Leith ...	30.32	38	W	0	0	30.24	-.13	41	41	+.6	W	0	0m	.	0	.	41	34	0.10
	Shields ...	30.39	40	SSW	1	0m	30.33	-.06	38	38	+.3	S	3	r	2	0	.	41	34	0.02
	Spurn Head ...	30.40	38	SW	1	m	30.40	+.01	35	34	-.1	S	1	m	0	m	.	41	34	-
	Loughborough ...	30.44	33	W	0	c	30.42	-.03	35	35	+.2	SE	2	0mw	.	of.cm.0	.	39	32	-
	Malin Head ...	30.25	46	SSW	3	f	30.14	-.13	47	47	+.4	SSW	3	rf	3	0mp.f	.	47	43	0.04
	Blacksod Pt. ...	30.27	49	NW	4	0pm	30.18	-.09	51	49	+.2	WSW	3	cpm	2	f a.pm	.	51	47	0.15
	Donaghadee ...	30.33	44	SW	1	0	30.25	-.11	45	45	+.4	SW	1	0q	2	0	.	45	39	0.66
	Liverpool (Bidston) ...	30.39	40	SE	2	0	30.36	-.09	39	39	+.1	SE	3	0	?	0pf	.	42	37	0.07
	Holyhead ...	30.36	45	S	2	gmap	30.29	-.11	47	46	+.2	S	2	f	1	gmap	.	47	43	0.09
	Parsonstown ...	30.40	48	SW	1	0	30.28	-.10	47	47	+.3	SW	1	0d	.	0	0.0	48	43	0.06
	Valencia ...	30.39	50	SW	1	0m	30.31	-.11	52	51	+.3	SSW	2	fg	4	0m	0.0	52	48	0.04
	Roche's Point ...	30.41	50	NNW	1	0	30.37	-.06	50	49	0	WNW	1	fg	2	c.0	.	51	49	-
	Pembroke (St. Ann's Hd.)	30.37	47	NE	1	f	30.36	-.10	45	44	-.1	ESE	3	f	2	0f	0.0	49	44	0.15
	Scilly ...	30.41	51	NW	3	0pm	30.36	-.12	50	50	+.1	N	1	gf	2	r.0mp	0.0	53	47	0.10
	Jersey (St. Aubin's) ...	30.47	46	NNW	2	0r	30.39	-.09	44	42	+.1	ESE	3	0mp	3	0m.0r	.	47	42	0.10
	Portland Bill ...	30.46	42	ENE	1	0r	30.39	-.08	42	41	+.4	ESE	3	0r	3	0r	.	45	36	0.12
	Dungeness ...	30.42	36	N	2	c	30.43	+.03	37	35	+.1	ESE	4	bc	3	c	.	46	29	-
	London (Brixton) ...	30.45	38	N	1	0m	30.44	-.02	34	33	-.1	E	1	bm	.	0.bcm	0.0	41	32	-
	Oxford ...	30.46	36	NSW	2	0	30.44	-.03	35	35	+.1	W	0	bf	.	c.0d	.	39	33	-
	Yarmouth ...	30.37	39	NW	3	0m	30.43	+.06	35	34	-.5	NW	2	0m	3	0.0m	.	42	30	0.02
France & Netherlands. Germany.	Cuxhaven ...	30.32	34	N	3	0	30.42	+.26	32	31	-.2	NE	2	0	.	0	.	34	30	-
	Berlin ...	30.25	32	NW	2	0	30.32	+.24	32	31	0	NW	3	S	.	0	.	36	30	0.04
	Wiesbaden ...	.	.	.	.	.	30.32	+.18	34	32	-.3	NE	5	c	.	.	.	37	32	-
	Munich ...	30.13	31	W	0	S	30.17	+.08	27	27	-.2	W	5	S	.	S	.	34	27	0.20
	The Helder ...																.			
	Brussels ...	.	.	.	.	.	30.43	+.10	30	28	-.7	NE	1	b	.	r	.	41	29	-
	C. Gris Nez ...	30.39	41	NNE	3	0	30.40	+.05	32	31	-.7	E	2	bc	2	0	.	43	30	0.04
	Paris ...	30.45	39	NNW	3	bc	30.39	+.05	34	32	-.4	NNE	2	c	.	bc	.	44	34	-
	Brest ...	30.52	45	N	3	c	30.36	-.14	50	49	+.4	N	2	c	2	b	.	50	?	0.04
	Lorient ...	30.50	47	NW	1	r	30.36	-.16	45	45	+.1	E	2	m	2	r	.	50	43	0.08
	Rochefort ...	30.48	41	N	2	c	30.37	-.09	41	39	-.1	NE	3	r	.	c	.	46	34	0.08
	Belfort ...	30.28	32	NNW	2	0	30.26	+.14	27	27	-.5	ENE	4	0	.	0	.	38	27	0.04
	Lyons ...	30.35	34	N	2	b	30.27	+.01	32	31	-.2	N	2	S	.	0	.	39	30	0.04
	Nice ...	29.93	?	W	0	b	29.85	-.06	37	28	0	NE	6	bc	2	b	.	48	34	-
	Perpignan ...														.		.			
	Biarritz ...	30.45	46	NNE	2	b	30.34	-.09	43	38	-.2	W	0	0	2	b	.	48	37	-
Span. Pen.	Corunna ...														.					
	Lisbon ...	30.41	49	NNW	4	b	30.39	-.08	46	40	+.2	NNE	4	b	.	b	.	55	41	-
	Azores (P. Delgada)	30.25	62	SE	5	c	30.23	+.04	61	59	-.1	SE	5	0	6	c	.	64	59	-

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

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

Bright Sunshine yesterday Southport hrs.

WEATHER CHARTS

FOR Friday, 12th January, 1900.

BAROMETER, WIND AND SEA.

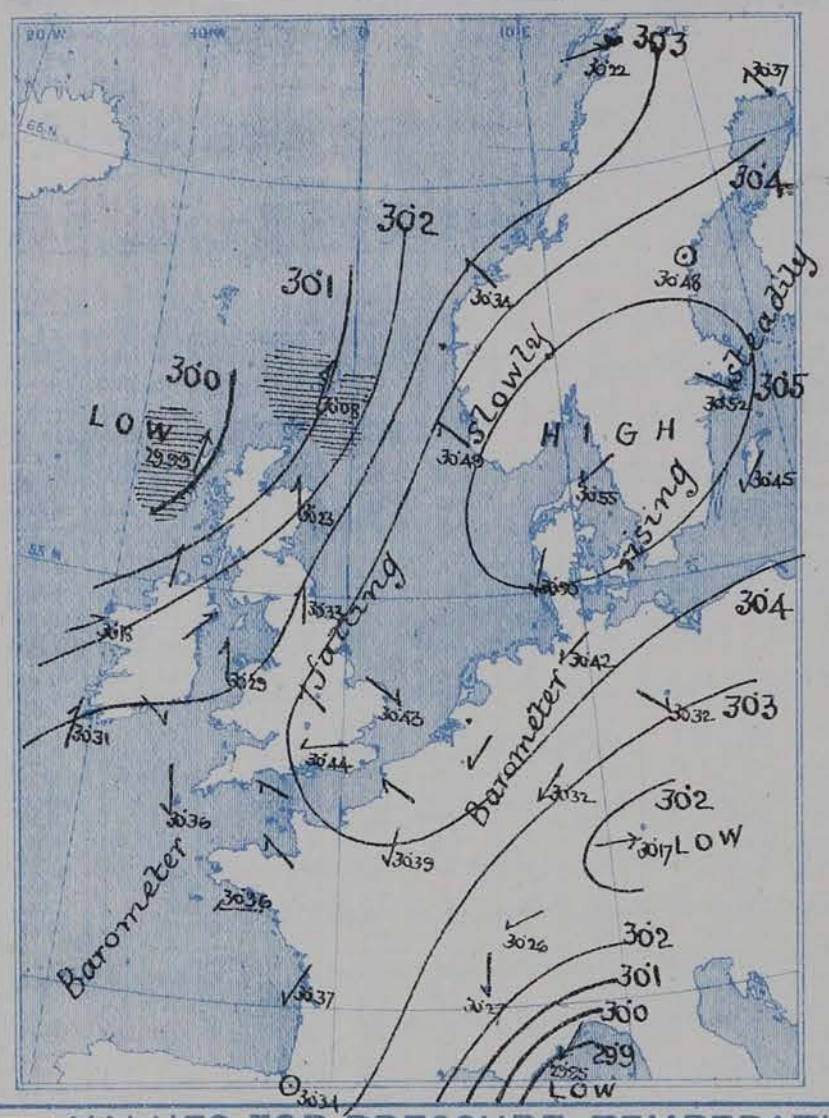
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

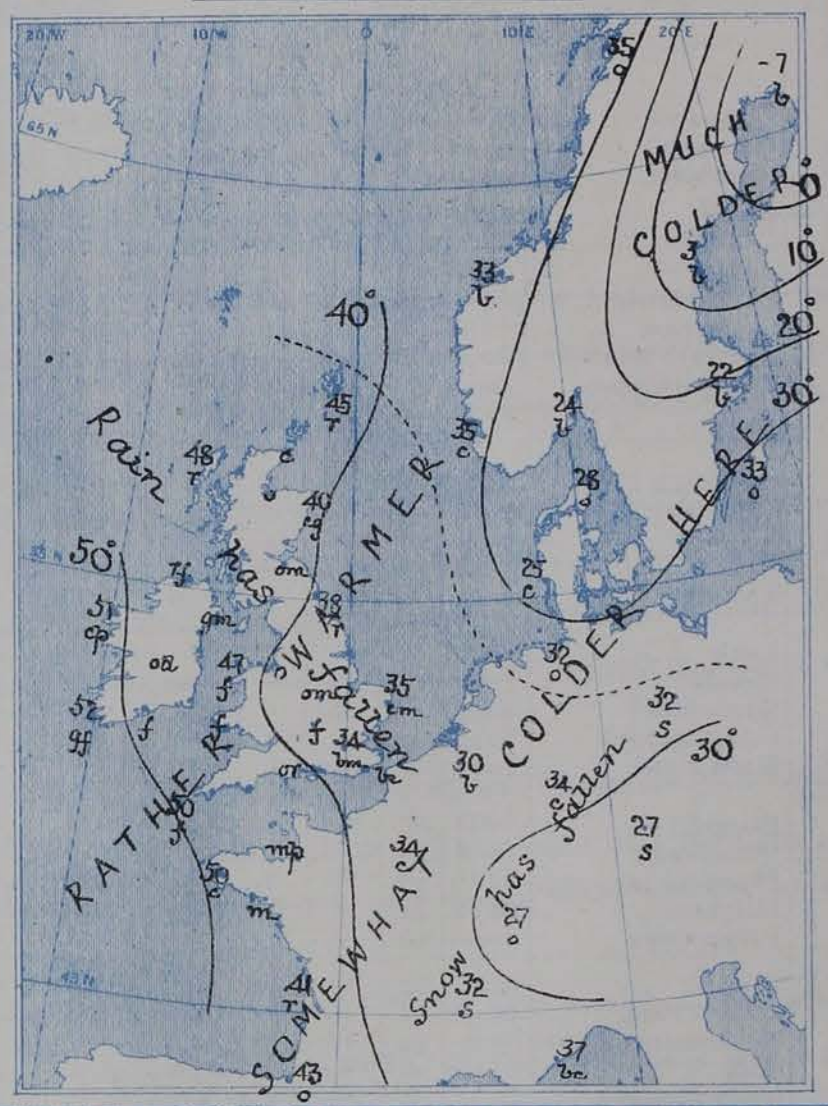


TEMPERATURE AND WEATHER.

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	—	—	—	—	5·38	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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	29·930	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 over Denmark and the S. of Scandinavia; 30·2 ins. and upward in an anticyclone covering all but the extreme NW.ⁿ parts of our area.
Lowest 29·9 ins. and less in a depression lying over the Gulf of Genoa; 30·0 ins. and less in another disturbance off the NW. of Scotland.
Gradients slight generally, but moderate over Scotland and the Nᴺ parts of the North Sea.
Barometer falling a little in most parts of our Islands, France & the W. of Norway; rising in Sweden, Denmark & Germany.

TEMPERATURE

Highest 52° at Valencia (Ireland) 51° at Blacksod Point, 50° at Roche's Pt., Scilly & Brest, & 48° at Stornoway.
Lowest −7° F. at Haparanda, + 3° at Hernösand, 13° at Karlstad, and 22° at Stockholm; lowest in our Islands 34° in London.
Frost occurred last night in many parts of England, the lowest temperatures reported being—(1) In the screen 29° at Dungeness, 30° at Yarmouth, and 32° in London & at Loughborough; (2) on the grass 27° in London and at Loughborough.

WIND

Light from the Eᴱ. or SEᴱ. over the greater part of England; S. ¼ or SW. ¼ in Ireland and Scotland, and fresh in force in the Hebrides; SE. ¼ in the west of Norway.
Light from the Nᴺ. or NEᴺ. in Denmark, the south of Scandinavia, the Netherlands & France; NW. ¼ to W. ¼ over central and southern Germany.

WEATHER

Fine in the SE. of England, as well as at most of the Scandinavian stations, but dull over Wᵀ. Europe as a whole, with fog or mist and rain on many parts of our W. and NW. coasts, and also in the W. of France. Snow was falling at Berlin, Munich and Lyons.
Slight rain fell yesterday in many parts of our Islands and France, and snow in Germany.
Solar halos have been seen at Jersey and Biarritz.

SEA

Slight or smooth generally, but rough off the N. of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over our Islands yesterday is moving away to the Eᴱ., and the low pressure systems in the W. threaten to extend more directly over the country. Mild unsettled weather is therefore probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 13ᵀᴴ. JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. ¼ and SW. ¼ winds moderate or fresh; mild, unsettled, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Light breezes, chiefly S. ¼; fair generally, but slight rain in places.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	E. ¼ and SE. ¼ winds, light, cloudy, slight rain in places.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nᵒˢ. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Light breezes, chiefly SE. ¼; cloudy, some fog, rain locally.
9	IRELAND NORTH	Same as Nᵒˢ. 0 and 1.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·37	35	34	2	0	b	2
Sumburgh Head	30·27	42	39	SSW	2	c	4
Stornoway... ...	30·17	46	46	SSW	5	r	5
Aberdeen	30·32	37	35	SSW	2	bm	2
Shields	30·39	40	38	2	0	om	2
Malin Head ...	30·27	45	45	SSW	3	0	2
Blacksod Pt.. ...	30·27	50	49	WSW	3	fd	2
Holyhead	30·38	44	44	S	2	r	1
Valencia	30·40	52	50	SW	2	0	4
Scilly	30·45	51	51	NW	3	r	3
Jersey	30·50	49	43	NW	3	0	3
Portland Bill ...	30·48	44	42	SSW	1	or	2
Dungeness ...	30·41	43	40	N	3	c	2
London (Westminster)	30·45	42	38	N	2	0	*
Yarmouth ...	30·37	42	40	NW	3	0	4
Rochefort ...	30·49	46	42	NNE	3	e	*

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

Weather in morning cloudy or dull over the greater part of Europe, with rain at several of our own W^rn and N^rn stations, and also at Biarritz, and in Greece and S^rn Italy. Snow falling over central France and S^rn Germany, as well as in Finland and Nevyahrwasser. Fine in the E. and SE. of England, as well as in Spain, N^rn Italy, the extreme S. of France and many parts of Scandinavia. Slight rain falling during day in several parts of our Islands and France; solar halos seen at Jersey and Biarritz.

Temperature fallen generally, but risen a little in Ireland and the W. of Scotland. Morning readings highest (1) 56° at Algiers, and 52° at Malta and Oran; below 50° at most of the Mediterranean stations, but touching that level at Rock's Pt., and very little below it on our extreme W. and SW. coasts generally. Lowest −9° at Moscow, −3° at Kiev, and +2° at Archangel and Kharkov; below the freezing point over N^rn and central Europe generally, and very little above it over the N^rn and central parts of Gt. Britain. Daily maxima below 40° on some parts of central England where frost occurred at night.

Wind light to moderate from the N^rd or NW^rd over the east and south of England and the western and southern parts of the Continent generally. W^ly or SW^ly in all the more western and northern parts of our Islands; S^ly at several of the Swedish, Baltic and N. Russian stations; calm or variable in Germany and Austria. No important change occurring during day.

Barometer highest 30.7 ins. to 30.2 ins. in an anticyclone over Russia; 30.5 ins. to 30.2 ins. in another system covering nearly the whole of W^rn Europe. Lowest 29.7 ins. and less in a depression over S^rn Italy and the neighbouring parts of the Mediterranean; 30.0 ins. and less in the N. of Scandinavia. Shallow depression lying off the NW. of Scotland, and spreading slowly E^wds during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 13th January, 1900

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	30·39	14	S	4	0	30·33	-·04	26	25	+33	S	4	0	*	0	*	26	-8	-
	Hernösand	30·44	1	S	0	f	30·44	-·04	-6	-6	-9	S	0	f	*	f	*	10	-6	-
	Stockholm	30·60	21	NW	2	f	29·53	+·01	17	16	-5	NW	2	0	*	f	*	27	17	0·04
	Wisby	30·51	28	ESE	4	0	30·48	+·03	26	25	-7	SE	4	0	*	0	*	34	25	-
	Karlstad	30·57	13	N	2	f	30·50	-·07	18	17	+5	S	0	f	*	f	*	*	*	-
	Bodo	30·09	40	SW	4	0	30·13	-·09	40	39	+5	SW	6	0	8	0	*	40	32	0·08
	Christiansund ...	30·21	37	ESE	2	c	30·21	-·13	37	35	+4	ESE	2	s	3	c	*	37	32	-
	Skudesnaes ...	30·45	35	SE	6	0	30·33	-·16	35	32	0	SE	6	0	4	0	*	36	32	*
	Lærder (Christiania Fiord)	30·53	22	S	0	m	30·42	-·16	23	22	-1	N	2	m	2	m	*	24	19	-
	The Scaw (Skagen)	30·55	26	S	0	m	30·48	-·07	23	23	-5	S	0	m	0	m	*	32	23	-
	Fanö	30·54	25	ENE	1	b	30·46	-·04	26	26	+1	E	1	bc	*	b	*	30	25	-
British Islands	Sumburgh Head ...	30·02	45	SSW	3	r	29·97	-·11	45	44	0	S	1	0	5	r	*	46	43	0·27
	Stornoway	30·05	45	WSW	2	0	29·85	-·14	46	45	-2	S	4	0	4	c·0	0·3	49	41	0·20
	Wick	30·06	44	S	1	0	29·96	-·17	42	40	-2	S	1	bc	2	0	*	45	39	0·21
	Nairn	30·09	43	SW	1	bc	29·96	-·14	44	42	+1	S	1	c	1	bc	*	48	35	0·01
	Aberdeen	30·16	42	SSW	3	0q	30·04	-·19	43	42	+3	S	2	0qm	2	0qm	0·0	43	37	0·08
	Leith	30·18	45	WSW	1	0	30·04	-·20	44	42	+3	SSW	3	0	*	0	*	48	39	0·05
	Shields	30·27	39	SSW	3	r	30·14	-·19	37	36	-1	S	3	om	2	d,r	*	40	34	0·13
	Spurn Head ...	30·36	38	S	3	0	30·24	-·16	35	34	0	S	4	c	3	0	*	41	34	-
	Loughborough ...	30·38	37	SSE	1	0	30·26	-·16	34	33	-1	SSE	3	0	*	0m.dpg	*	39	34	0·03
	Malin Head ...	30·19	45	SW	2	bm	29·86	-·28	43	43	-4	SSW	5	r	3	c.bm	*	48	42	0·03
	Blacksod Pt. ...	30·21	43	WSW	1	bm	29·81	-·37	50	48	-1	SW	5	cqp	4	b.bm	*	51	40	0·08
	Donaghadee ...	30·24	45	W	2	bc	30·05	-·20	44	44	-1	SW	3	c	3	bc.f	*	48	37	0·11
	Liverpool (Bidston)	30·29	41	SE	2	r	30·15	-·21	37	37	-2	SE	3	0	?	rm	*	42	36	0·06
	Holyhead	30·25	46	SSW	2	df	30·09	-·20	45	44	-2	S	4	0qm	3	df	*	48	43	0·24
	Parsonstown ...	30·26	43	SW	1	c	29·97	-·31	44	43	-3	SE	1	0	*	c	2·3	52	37	0·08
	Valencia	30·29	47	S	0	bcm	29·94	-·37	51	49	-1	SSE	4	0	4	c.bcm	1·3	52	41	0·09
	Roche's Point ...	30·29	48	N	1	b	30·04	-·33	49	49	-1	SSW	4	rfq	4	b.f	*	52	42	0·04
	Pembroke (St. Ann's Hd.)	30·26	45	ESE	4	f	30·11	-·25	46	45	+1	S	6	qfc	4	f	0·0	47	44	0·12
	Scilly	30·28	52	N	1	rm	30·11	-·25	47	47	-3	S	1	dfq	1	0.rm	0·6	52	46	0·09
	Jersey (St. Aubin's) ...	30·34	44	SE	3	om	30·29	-·10	38	35	-6	SE	4	bfq	3	opm.om	*	44	37	0·03
	Portland Bill ...	30·36	42	SE	3	oa	30·27	-·12	41	40	-1	SSE	4	0	3	or.oa	*	43	38	0·15
	Dungeness	30·40	36	ESE	2	bc	30·32	-·11	37	34	0	SSE	2	c	2	b.bc	*	41	31	-
	London (Brixton) ...	30·42	36	SE	1	bcm	30·32	-·12	32	30	-2	SE	1	b	*	bm.o	2·1	43	30	-
	Oxford	30·40	35	SE	2	0	30·28	-·16	35	33	0	SSE	2	0	*	o,a,rs	*	39	33	0·03
	Yarmouth	30·40	37	ESE	3	b	30·30	-·13	35	33	0	SW	2	c	3	bc.b	*	38	31	0·02
France & Netherlands. Germany.	Cuxhaven	30·49	32	ENE	2	0	30·41	-·01	32	31	0	NE	1	0	*	0	*	34	30	-
	Berlin	30·44	26	NE	3	0	30·42	+·10	17	17	-15	NE	2	0	*	0	*	32	16	-
	Wiesbaden ...	*	*	*	*	*	30·31	-·01	32	29	-2	E	4	bc	*	*	*	36	30	-
	Munich	30·22	25	E	4	s	30·20	+·03	21	20	-6	NE	4	0	*	s	*	28	19	0·08
	The Helder ...	30·44	33	ENE	1	c	30·38		30	29		ESE	1	c	0	c	*	36	30	-
	Brussels	*	*	*	*	*	30·40	-·03	26	26	-4	ENE	1	m	*	b	*	37	25	-
	C. Gris Nez ...	30·38	34	E	1	bc	30·33	-·07	30	29	-2	SSE	1	m	1	bc	*	41	28	-
	Paris	30·38	32	NE	1	b	30·35	-·04	25	25	-9	NNE	2	b	*	b	*	39	23	-
	Brest	30·33	46	SE	2	r	30·25	-·11	44	43	-6	SE	4	f	3	r	*	50	43	-
	Lorient	30·34	44	ESE	2	0	30·27	-·09	39	37	-6	SE	4	c	2	0	*	46	39	-
	Rochefort	30·31	41	ENE	3	c	30·29	-·08	31	30	-10	ENE	3	b	*	c	*	46	28	-
	Belfort	30·31	29	ENE	6	0	30·19	-·07	28	26	+1	ENE	7	c	*	0	*	32	27	-
	Lyons	30·19	31	N	3	b	30·17	-·10	29	28	-3	N	2	c	*	0		34	28	0·04
	Nice	29·80	36	NNW	3	bc	29·86	+·01	35	28	-2	E	3	b	3	bc		43	32	-
	Perpignan	30·06	39	NW	4	b	30·10		34	29		NW	5	b	*	b	*	45	34	-
	Biarritz	30·26	44	E	2	0	30·22	-·12	32	31	-11	E	3	c	2	0	*	43	32	0·08
Span. Pen.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Saturday, 13th January, 1900

BAROMETER, WIND AND SEA.

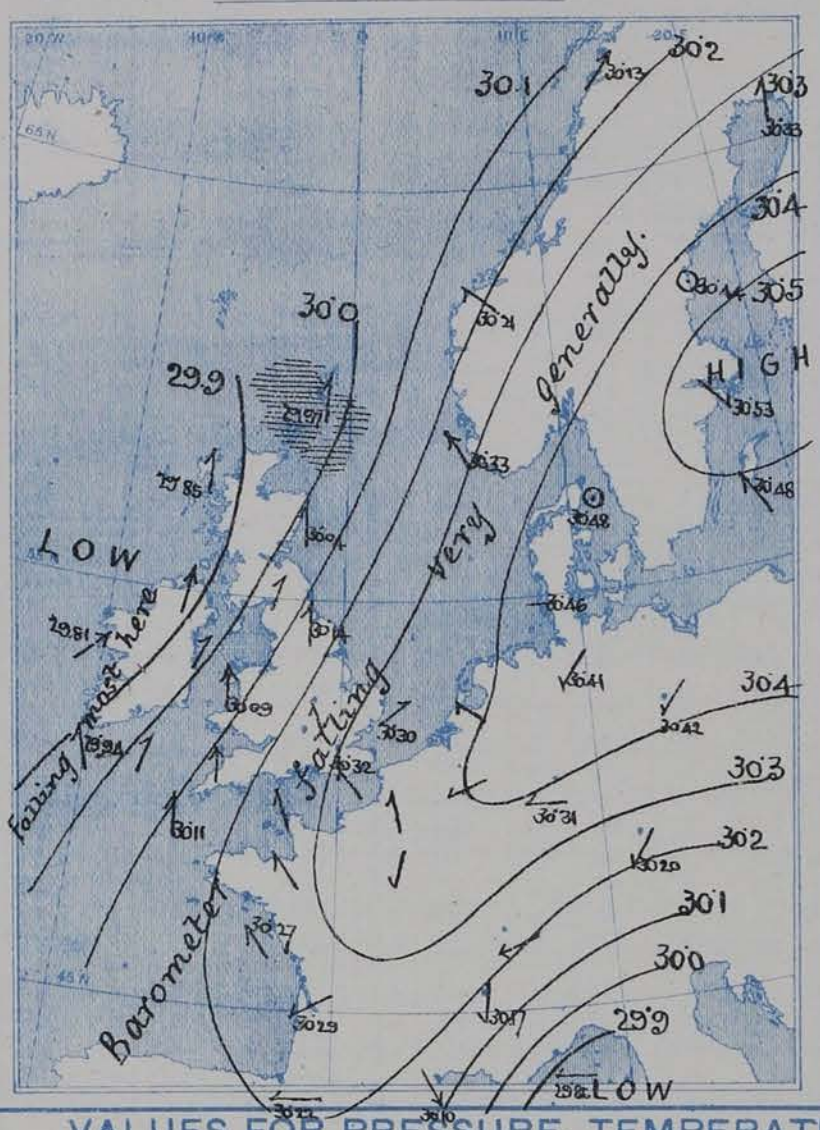
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

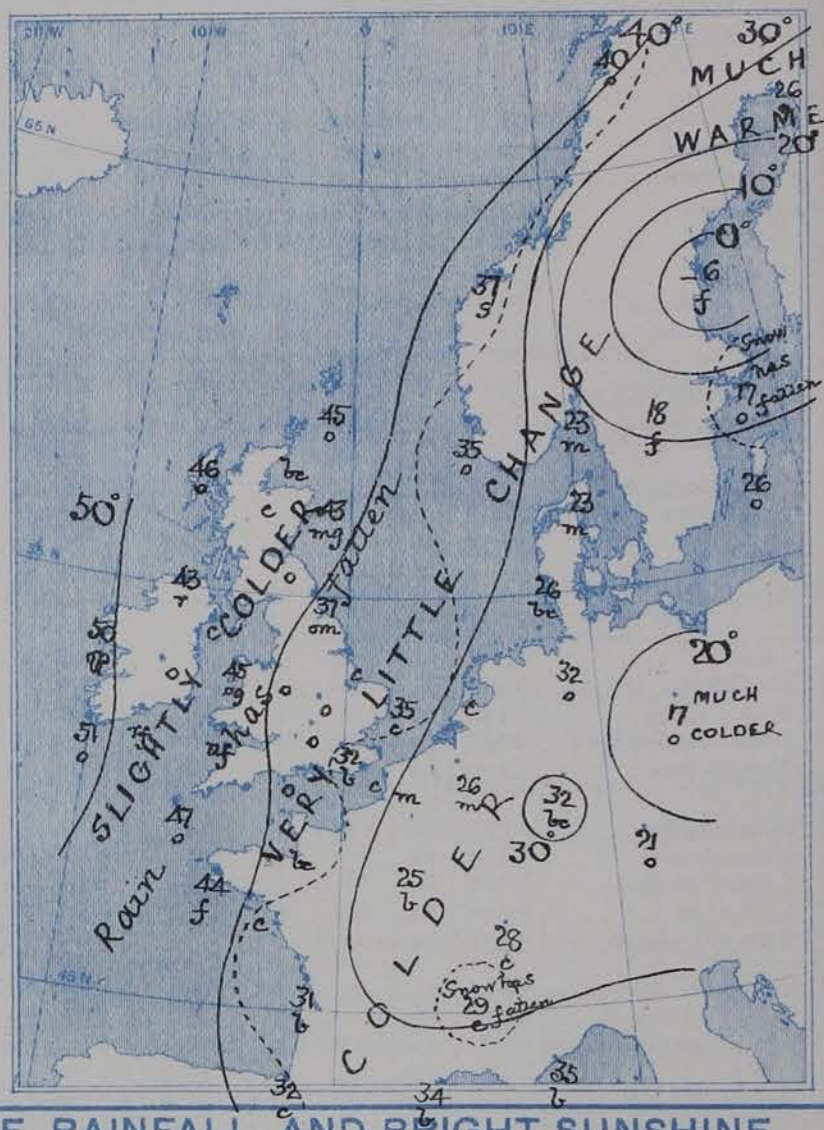


TEMPERATURE AND WEATHER.

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	14	1881	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, 30·53 in. at Stockholm; 30·3 in. and upwards in an anticyclone extending from Northern Europe over the North Sea, the Netherlands, the east and southeast of England and the northeast of France.
Lowest, 29·9 in. and less, in a depression lying off our extreme western coasts
Gradients moderate over the west and north of our Islands, slight elsewhere.
Barometer falling generally—quickly in the west of Ireland.

TEMPERATURE

Highest, 51° at Valencia (Ireland), 50° at Blackrod Point, 49° at Rocket Point, 47° at Scilly, and 46° at Stornoway and Pembroke.
Lowest, (1) −6° F. at Hernösand, +7° at Stockholm and 18° at Karlstad; (2) 17° at Berlin and 21° at Munich; lowest in our Islands 32° in London.
Frost occurred last night in the east and southeast of England, the lowest temperatures reported being (1) In the screen 30° in London and 31° at Dungeness and Yarmouth; (2) On the grass 22° in London.

WIND

S. over our Islands as a whole and fresh in force at some of our western stations
E. or NE. over Germany and the southern parts of France, SE. over the English Channel and also in the west of Norway; variable in Sweden.

WEATHER

Cloudy or dull over the greater part of northwestern Europe, with fog at the mouth of the St George's Channel, and rain at some of the English stations; snow is falling at Christiansund.
Fine in the east and southeast of England, as well as in France and Western Germany.
Rain fell yesterday over nearly the whole of the United Kingdom, but the amount was mostly slight. A lunar halo was seen last evening in London.

SEA

Moderate or slight generally, but rather rough at Lerwick Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression of considerable size is approaching our western coasts, and is likely to occasion increasing southerly winds in the west and north generally. Cloudy unsettled weather will probably extend over nearly the whole of our Islands.

FORECASTS

For the 24 hours ending at NOON on 14th JANUARY, 1900

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	S. winds, increasing in force; dull, some rain.	▼ 6 SCOTLAND WEST	Same as Nos 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as No 5.	8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	S. winds, increasing to a gale; squally, rain at times.
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH	S. winds, freshening; fair at first, some rain later.	WARNINGS	At 10·10 a.m. today to districts 0, 6, 10, and part of 9 "Hoist South Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·49	35	32	SSE	6	c	4
Sumburgh Head	30·03	45	45	SSW	4	r	5
Stornoway... ...	30·01	49	48	WSW	3	c	3
Aberdeen	30·17	42	41	S	2	cqmr	3
Shields	30·31	40	39	SSW	2	d	2
Malin Head ...	30·17	48	47	W	3	c	2
Blacksod Pt.. ...	30·21	50	49	WSW	3	b	2
Holyhead	30·27	48	47	SSW	2	r	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·31	52	51	W	2	c	4
Scilly	30·31	51	51	N	3	c	2
Jersey	30·38	44	42	SE	2	o	2
Portland Bill ...	30·38	42	41	ESE	3	cd	3
Dungeness ...	30·41	40	35	E	3	b	2
London (Westminster)	30·41	42	38	SE	0	cm	
Yarmouth ...	30·40	38	36	E	2	bc	3
Rochefort ...	30·33	45	43	NE	2	c	

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 14th January 1900

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Bargm. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather	Hours of Bright Sunshine	Temp. Max	Temp. Min	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	30.42	25	7	0	0	30.39	+.06	22	22	− 4	S	2	0		0		27	12	—
	Hernösand	30.48	−9	7	0	b	30.36	−.08	3	3	+ 9	7	0	0		b		5	−11	—
	Stockholm	30.44	18	7	0	s	30.39	−.14	18	18	+ 1	7	0	0		s		23	14	0.04
	Wisby	30.44	21	SSE	3	bc	30.41	−.07	25	24	− 1	S	4	0		0		27	18	—
	Karlstad	30.43	23	SE	2	0	30.34	−.16	22	21	+ 4	NE	2	0		0				—
	Bodö	30.01	39	S	4	bc	30.00	−.13	33	31	− 7	E	2	b	4	bc		43	32	—
	Christiansund	30.10	38	SE	2	0	30.00	−.21	35	32	− 2	ESE	2	c	4	0		38	34	—
	Skudesnaes	30.22	36	SE	6	0	30.12	−.21	36	34	+ 1	SE	6	0	4	0		36	34	
	Farder (N'tania Fjord)	30.38	23	SSE	4	0	30.29	−.13	28	25	+ 5	SSE	4	0	3	0		?	18	—
	The Scaw (Skagen)	30.38	28	SE	1	0	30.33	−.15	28	28	+ 5	SW	1	0	0	0		28	23	—
	Fano	30.36	29	ESE	4	0	30.32	−.14	21	20	− 5	E	3	b		0		30	21	—
British Islands	Sumburgh Head	29.78	44	S	5	0	29.69	−.28	43	43	− 2	SSE	1	r	5	0		45	42	0.02
	Stornoway	29.63	47	SW	6	r	29.63	−.22	38	36	− 8	SW	3	c	3	r	0.0	47	34	0.25
	Wick	29.75	41	S	5	0	29.74	−.22	42	40	0	S	1	0	2	0		45	39	0.02
	Nairn	29.73	45	SSW	3	0	29.73	−.23	38	38	− 6	W	1	c	1	0		47	38	0.03
	Aberdeen	29.87	43	SSE	4	0	29.78	−.26	42	41	− 1	S	4	ogq	4	0	0.0	43	41	0.01
	Leith	29.87	44	SSW	2	0	29.80	−.24	43	42	− 1	7	0	0		0		46	42	—
	Shields	29.99	37	S	3	0	29.90	−.24	35	34	− 2	S	3	om	2	r. 0		39	34	0.01
	Spurn Head	30.09	36	S	5	0	30.01	−.23	34	34	− 1	S	5	c	4	0		43	33	—
	Loughborough	30.11	36	S	2	0	30.03	−.23	33	32	− 1	SE	3	c		0.c.0		38	33	—
	Malin Head	29.74	45	W	2	rm	29.77	−.09	39	38	− 4	SSW	3	b	3	c. rm		46	39	005
	Blacksod Pt.	29.81	45	NNW	5	c	29.78	−.03	45	42	− 5	SW	5	c	4	rm. cp		50	38	0.02
	Donaghadee	29.83	47	SSW	3	am	29.83	−.22	42	42	− 2	SW	3	o	3	am		48	40	0.22
	Liverpool (Bidston)	29.99	37	SE	3	0	29.92	−.23	36	35	− 1	SE	3	0	3	rm. 0		41	35	0.11
	Holyhead	29.90	44	S	6	rgm	29.88	−.21	44	43	− 1	S	3	am	2	dp. rgm		45	42	0.11
	Parsonstown	29.82	44	SW	1	r	29.90	−.07	31	31	− 13	S	1	b		or	0.0	48	31	0.08
	Valencia	29.89	46	NNW	4	0	29.92	−.02	40	38	− 11	E	1	bc	4	or. 0	0.0	51	37	0.43
	Roche's Point	29.83	48	W	5	r	29.96	−.08	40	38	− 9	NNW	3	b	3	r		51	38	0.08
	Pembroke (St. Ann's Hd.)	29.94	47	S	5	r	29.93	−.18	45	44	− 1	SE	5	cg	5	r	0.0	47	44	0.48
	Scilly	29.89	49	SW	3	opm	29.86	−.25	47	47	0	N	5	rm	3	r. pm	0.0	50	46	0.26
	Jersey (St. Aubin's)	30.12	39	SSE	4	cg	29.98	−.31	37	34	− 1	ESE	5	cp	4	bc. cg		40	35	0.01
	Portland Bill	30.09	41	S	4	0	29.99	−.28	39	38	− 2	S	4	0	4	c. 0		41	36	—
	Dungeness	30.19	36	S	4	c	30.08	−.24	35	32	− 2	S	3	c	3	c		37	33	—
	London (Brixton)	30.17	33	SSE	1	bm	30.03	−.29	29	27	− 3	ESE	1	bm		b. bm	2.0	39	26	—
	Oxford	30.11	35	SSE	2	0	30.05	−.23	32	31	− 3	SSE	1	b		0.5		38	32	—
	Yarmouth	30.18	34	SSW	2	c	30.10	−.20	33	31	− 2	SSW	2	cm	2	c		36	31	—
France & Netherlands. Germany.	Cuxhaven	30.32	25	SE	2	bc	30.28	−.13	19	18	− 13	SE	1	b		bc		32	18	—
	Berlin	30.37	16	ENE	2	b	30.30	−.12	12	11	− 5	ENE	3	b		b		25	12	—
	Wiesbaden						30.17	−.14	23	21	− 9	E	2	0				34	23	—
	Munich	30.15	13	2	0	b	30.09	−.11	5	5	− 16	SE	3	0		b		23	1	—
	The Helder	30.26	26	7	0	m	30.16	−.22	25	24	− 5	7	0	0	0	m		34	25	—
	Brussels						30.17	−.23	27	25	+ 1	SE	1	0		0		33	24	—
	C. Gris Nez	30.21	26	SE	2	m	30.07	−.26	24	24	− 6	SE	2	m	1	m		36	?	—
	Paris	30.23	28	ENE	2	b	30.12	−.23	29	26	+ 4	SE	1	b		b		35	25	—
	Brest	30.02	45	SSE	4	r	29.82	−.43	45	45	+ 1	E	2	c	3	r		46	45	0.95
	Lorient	30.16	40	S	4	c	29.88	−.39	41	41	+ 2	SE	5	r	5	c		43	39	0.28
	Rochefort	30.21	34	ENE	3	bc	30.03	−.26	32	30	+ 1	SE	4	0		bc		41	28	—
	Belfort	30.16	26	ENE	6	m	30.10	−.09	23	21	− 5	ENE	5	m		m		29	23	—
	Lyons	30.15	30	N	2	0	30.11	−.06	27	25	− 2	NNW	2	0		0		31	27	—
	Nice	29.88	38	ENE	4	b	29.88	+.02	37	30	+ 2	E	1	b	?	b		?	?	?
	Perpignan	30.08	34	NW	2	b	? 29.99	−.11	28	26	− 6	SW	2	b		b		38	28	—
	Biarritz	30.15	36	E	2	b	30.00	−.22	40	32	+ 8	ESE	3	0	2	b		40	28	—
Span. Pen.	Corunna	30.21	54	NW	3	0	30.13	−.16	52	48	+ 4	N	3	f	3	0		54	46	0.16
	Lisbon	30.23	51	N	4	0	30.18	−.09	51	49	+ 1	NW	2	r		0		55	50	—
	Azores (P. Delgada)	30.46	56	ENE	1	b	30.45	+.11	54	50	− 7	NNE	3	bc	2	b		64	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Sunday, 14th January, 1900

BAROMETER, WIND AND SEA.

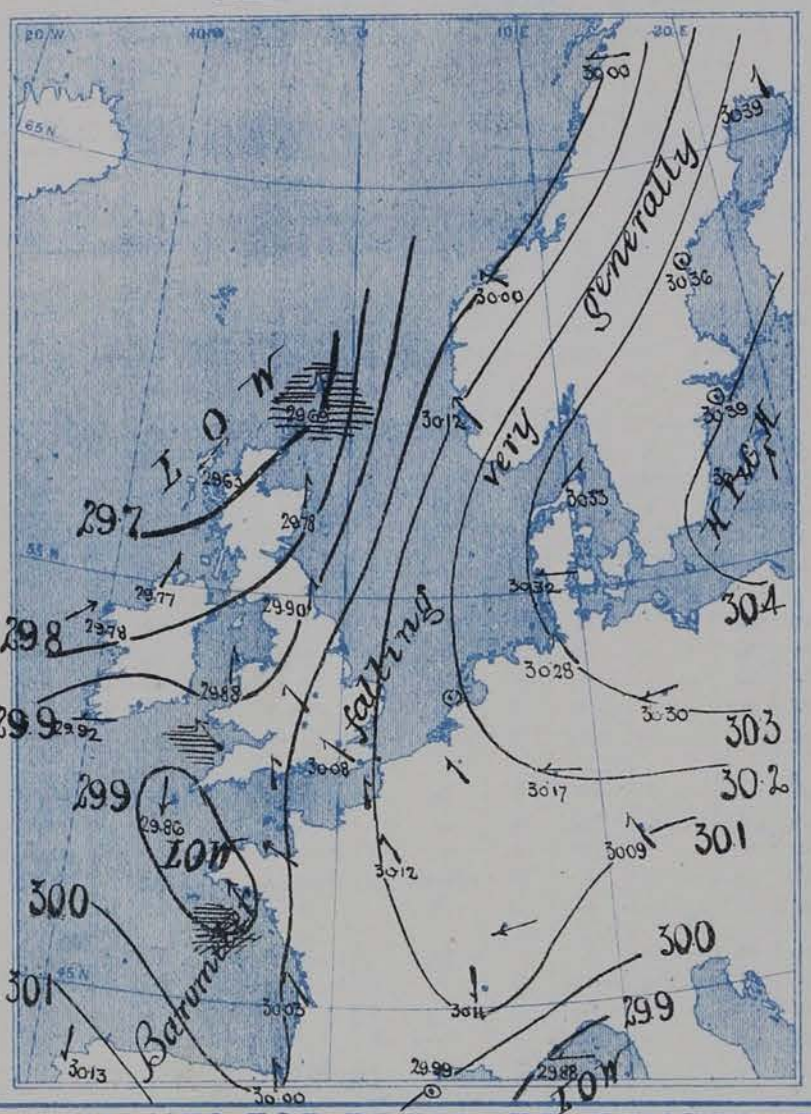
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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*

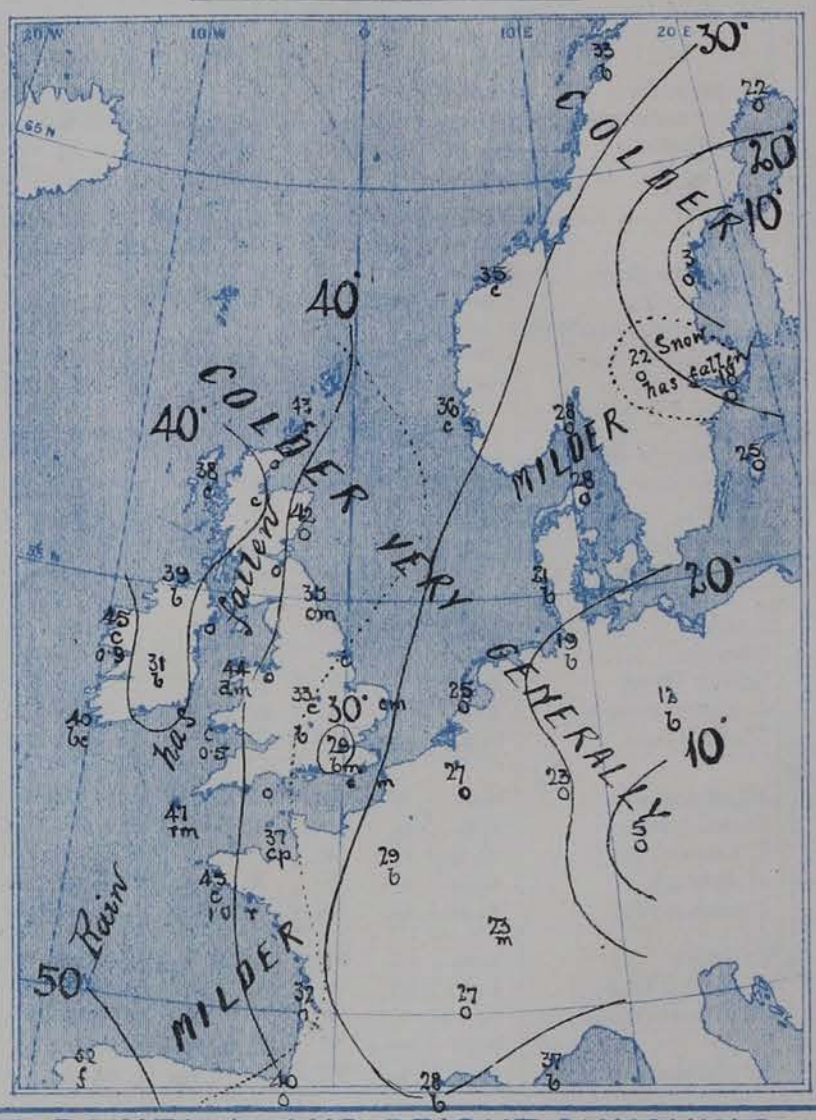


TEMPERATURE AND WEATHER.

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	—	—	—	—	5·28	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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	29·930	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, 30·41 ins: at Wisby, 30·1 ins: and upwards in an anticyclone extending from northern Europe over the North Sea, Germany, the Netherlands, and the northeastern parts of France.
Lowest, 29·7 ins: and less, in a depression off the north of Scotland; 29·9 ins: and less in a shallow disturbance over the Gulf of Genoa.
Gradients slight generally, but rather steep over the northern parts of the North Sea. Barometer falling generally

TEMPERATURE

Highest (1) 51° at Lisbon; (2) 47° at Scilly, 45° at Blackhead Pt. Pembroke, and Brest, and 44° at Holyhead.
Lowest (1) 3° at Hernösand and 18° at Stockholm; (2) 5° at Munich and 12° at Berlin; lowest in our Islands 29° in London and 31° at Harcombourn.
Frost occurred last night in many parts of England and Ireland, the lowest readings reported being (1) In the screen 26° in London and 31° at Yarmouth and Farnborough; (2) On the grass 18° in London.

WIND

Light to fresh from the SE^ly or S^ly over England, the east of Scotland, Norway, Denmark, the Netherlands & France; E in Germany.
SW on our extreme northeastern coasts; calm over the central parts of Sweden.

WEATHER

Fine over Ireland and also over the southeastern parts of England, Germany and the northeast of France.
Cloudy or dull elsewhere with rain at Flamborough Head, Holyhead, Scilly, Lorient and Lisbon.
Rain fell yesterday in the west and north of our Islands generally and also in the west of France, the largest amounts being 1·0 in: at Kent, and 0·9 in: at Blackhead Point.

SEA

Moderate to smooth generally, but rather rough at Flamborough Head, Pembroke, and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 15th JANUARY 1900

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 0, 6, 9, and 10 "Lower Cone"

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·28	36	31	SE	6	o	4
Sumburgh Head	29·85	45	44	S	4	o	6
Stornoway... ...	29·66	47	45	SSW	6	r	6
Aberdeen	29·92	43	41	S	3	o	3
Shields	30·05	38	37	S	3	or	2
Malin Head ...	29·70	46	45	SSW	5	c	3
Blacksod Pt.. ...	29·73	46	45	NNW	5	rw	4
Holyhead	29·96	44	43	S	4	ogmdp	4
Valencia	29·85	46	44	WNW	4	or	4
Scilly	29·98	48	48	SW	3	r	1
Jersey	30·21	40	36	SE	4	bc	3
Portland Bill ...	30·17	41	38	S	4	c	3
Dungeness ...	30·23	35	33	S	3	o	2
London (Westminster)	30·21	38	35	SSW	2	o	*
Yarmouth ...	30·21	36	33	SSW	3	c	3
Rochefort ...	30·27	40	37	ENE	3	bc	*

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

Weather cloudy or dull over the greater part of our Islands and the Continent, with rain at some of the Irish stations, and fog at the mouth of the St. George's Channel; snow falling at Christiansund and rain in Greece. Fine in the southeast of England and many parts of France. Heavy rain falling later on the west coasts of Ireland and France, and smaller amounts in the west and north of our Islands generally.

Temperature fallen in most countries,—rapidly in Germany. Morning readings highest (1) 58° at Oran, 54° at Nemours, and 50° at Lisbon; (2) 51° at Valencia (Ireland), 50° at Blacksod Point and 49° at Rochefort Point. Lowest −6° F. at Hernösand, +1° at Riga and Memel, 4° at Warsaw, 5° at St Petersburg and Swinemunde; considerably below the freezing point over northern, eastern, and central Europe generally, and just touching it in London. Daily maxima below the freezing point in Germany and Central France, and below 40° over the eastern and central parts of England; thermometer rising to 50° or slightly above it on our extreme east and southwest coasts and to 55° at Lisbon. Sharp frost occurring in the east and southeast of England at night.

Wind light to fresh from the S.W. over our Islands as a whole, but moderate from the S.E. in the south of England and the north of France, as well as in the west of Norway. Calm or variable in Sweden; light from E. or S.E. in Finland. N.E.^{3} or N.^{3} over Central France, Germany, Austria and Italy, with a gale at Trieste; N.^{3} or N.W.^{3} in Spain. Subsequently shifting to the N.W. in Ireland; no important change occurring elsewhere.

Barometer highest 30·6 ins. and upwards over Finland; 30·3 ins. and upwards in an anticyclone covering the whole of northern and central Europe and extending over the east and southeast of England. Lowest 29·5 ins. and less, in a well-marked depression over Sicily and the neighbouring parts of the Mediterranean; 29·9 ins. and less, in another disturbance to the westward of our Islands. Latter disturbance proving later to be of a "V"-shaped character, and advancing directly over the western and northern parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Monday, 15th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb.	Change since Yesterday	Wind. Direc	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30·39	2	S	2	b	30·18	-.21	14	14	- 8	SE	4	S	.	b	-	25	1	0·08
	Hernosand	30·18	23	S	4	o	30·12	-.24	21	21	+ 18	S	4	b	.	o	-	23	-15	-
	Stockholm	30·34	19	Z	0	b	30·19	-.20	21	21	+ 3	Z	0	o	.	b	-	23	14	-
	Wisby	30·36	20	S	4	b	30·13	-.28	25	24	0	SSE	4	S	.	b	-	28	18	0·01
	Karlstad	30·27	24	SE	2	c	30·13	-.21	20	19	- 2	SE	4	O	.	c.s	-	-	-	-
	Bodö	29·95	21	E	6	b	29·82	-.18	20	17	- 13	E	6	b	2	b	-	34	16	-
	Christiansund ...	29·89	35	SE	2	bc	29·64	-.36	32	28	- 3	SE	3	b	4	bc	-	36	30	-
	Skudesnaes ...	30·00	31	SE	8	o	29·77	-.35	31	29	- 5	SE	8	o	5	o	-	36	31	•
	Færder (X'iania Fjord)	30·21	27	SSW	5	b	30·05	-.24	24	23	- 4	SE	5	bc	3	b	-	30	23	-
	The Scaw (Skagen)	30·24	28	SSW	2	c	30·02	-.31	27	27	- 1	SE	2	O	0	c	-	28	25	-
	Fanö	30·15	21	SE	2	b	29·97	-.35	21	21	0	SE	2	b	-	b	-	25	19	-
BRITISH ISLANDS.	Sumburgh Head ...	29·47	44	S	5	c	29·06	-.63	41	41	- 2	S	6	r	6	r.c	-	44	40	0·28
	Stornoway	29·23	43	S	9	r	28·96	-.67	39	38	+ 1	W	8	r	3	or	0·0	44	34	0·45
	Wick	29·46	44	S	6	r	29·00	-.74	44	42	+ 2	S	3	o	6	o	-	45	40	0·06
	Nairn	29·42	42	SW	2	o	29·04	-.69	42	40	+ 4	WSW	1	bc	1	b	-	44	36	-
	Aberdeen	29·58	42	SSE	6	o	29·14	-.64	42	41	0	SSW	4	cq	5	o.r	0·0	42	39	0·10
	Leith	29·63	43	S	4	o	29·16	-.64	43	42	+ 2	SSW	5	c	.	o	-	46	40	0·02
	Shields	29·76	37	S	3	om	29·31	-.59	37	36	+ 2	S	4	o	2	om.r	-	39	33	0·06
	Spurn Head ...	29·80	36	S	5	c	29·43	-.58	36	36	+ 2	S	7	rq	5	c.rs	-	44	30	0·09
	Loughborough ...	29·92	33	SE	3	bc	29·48	-.55	40	39	+ 7	SSE	6	ogqa	-	c.bc.op	-	40	32	0·10
	Malin Head ...	29·32	39	SSW	7	op	29·17	-.60	41	41	+ 2	W	6	cp	4	r.op	-	45	32	0·19
	Blacksod Pt.	29·35	50	SW	7	qmr	29·32	-.46	41	38	- 4	WNW	5	cqp	4	qmr	-	50	38	0·34
	Donaghadee	29·63	42	SW	4	oq	29·25	-.58	43	42	+ 1	SW	4	b	4	oq	-	45	36	0·32
	Liverpool (Bidston)	29·80	37	SE	3	o	29·38	-.54	45	44	+ 9	SW	2	o	3	op	-	45	36	0·10
	Holyhead	29·75	44	SW	4	op	29·38	-.50	47	45	+ 3	WSW	4	o	3	r.op	-	47	42	0·47
	Parsonstown ...	29·59	42	SE	1	r	29·38	-.52	45	42	+ 4	SW	1	o	-	or	0·2	47	31	0·14
	Valencia	29·59	49	S	6	rm	29·51	-.41	49	45	+ 9	WSW	6	oq	6	orm	0·0	51	39	0·35
	Roche's Point ...	29·72	42	WSW	6	r	29·52	-.44	46	44	+ 6	WSW	5	c	4	r	-	47	36	0·20
	Pembroke (St. Ann's Hd.)	29·81	45	SSW	4	r	29·48	-.45	49	48	+ 4	WSW	6	o	5	or	0·0	50	44	0·24
	Scilly	29·86	47	NW	3	opm	29·58	-.28	52	51	+ 5	W	4	rm	3	c.opm	0·0	52	46	0·46
	Jersey (St. Aubin's) ...	29·97	37	SE	4	om	29·75	-.23	43	42	+ 6	S	5	odm	4	ogm	-	43	36	0·01
	Portland Bill ...	29·95	38	SSE	4	o	29·61	-.38	47	47	+ 8	SW	6	omr	5	o	-	47	36	0·16
	Dungeness	30·04	32	S	2	c	29·72	-.36	39	38	+ 4	SW	6	r	5	c	-	40	31	0·02
	London (Brixton) ...	30·00	32	SE	2	bcm	29·64	-.44	39	38	+ 10	SSE	4	o	.	bc.o.srq	2·2	39	29	0·03
	Oxford	29·94	32	SSE	3	bc	29·55	-.60	43	42	+ 11	SSW	5	or	.	bc.r	-	43	32	0·05
	Yarmouth	30·00	33	SSW	3	c	29·63	-.47	35	34	+ 2	SSE	5	ogrs	5	c.cm	-	35	30	0·04
GERMANY.	Cuxhaven	30·21	23	E	3	b	29·96	-.32	15	14	- 4	S	4	b	.	b	-	25	12	-
	Berlin	30·21	13	ESE	2	o	30·10	-.20	12	11	0	SE	3	o	.	o	-	16	12	-
	Wiesbaden	•	•	•	•	•	30·04	-.13	19	17	- 4	ESE	2	o	.	,	-	28	18	-
	Munich	30·06	8	Z	0	b	30·01	-.08	8	7	+ 3	Z	0	S	.	b	-	10	5	0·04
FRANCE & NETHERLANDS.	The Helder ...																-			
	Brussels	•	•	•	•	•											-			
	C. Gris Nez ...	30·04	26	SE	2	bc	29·78	-.29	28	26	+ 4	SSW	5	m	5	bc	-	30	23	-
	Paris	30·06	27	SE	2	c	29·96	-.16	25	24	- 4	SSE	3	b	-	c	-	30	23	-
	Brest	29·92	42	SE	3	o	29·75	-.07	50	50	+ 5	SW	4	f	4	o	-	50	45	-
	Lorient	29·95	37	ESE	4	bc	29·83	-.05	48	48	+ 7	SW	5	f	5	bc	-	48	39	-
	Rochefort	29·99	36	SE	4	o	29·95	+.08	36	34	+ 4	SSE	3	c	.	o	-	39	28	-
	Belfort	30·06	22	ENE	4	m	30·05	-.05	18	17	- 5	N	1	m	.	m	-	38	18	-
	Lyons	30·08	26	E	1	o	30·10	-.01	23	22	- 4	W	1	c	.	o	-	27	21	-
	Nice	29·82	42	SW	1	bc	29·58	.00	35	33	- 2	E	2	bc	2	bc	-	48	34	-
	Perpignan	29·93	37	SE	2	b	29·99	.00	43	39	+ 15	W	2	b	.	b	-	48	28	-
	Biarritz	29·96	49	WNW	6	r	30·00	.00	49	48	+ 9	WSW	6	r	4	r	-	50	40	0·59
SPAN. PEN.	Coronna																-			
	Lisbon																-			
	Azores (P. Delgada)																-			

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

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

Bright Sunshine yesterday Southport 0·9

WEATHER CHARTS

FOR Monday, 15th January, 1900.

BAROMETER, WIND AND SEA.

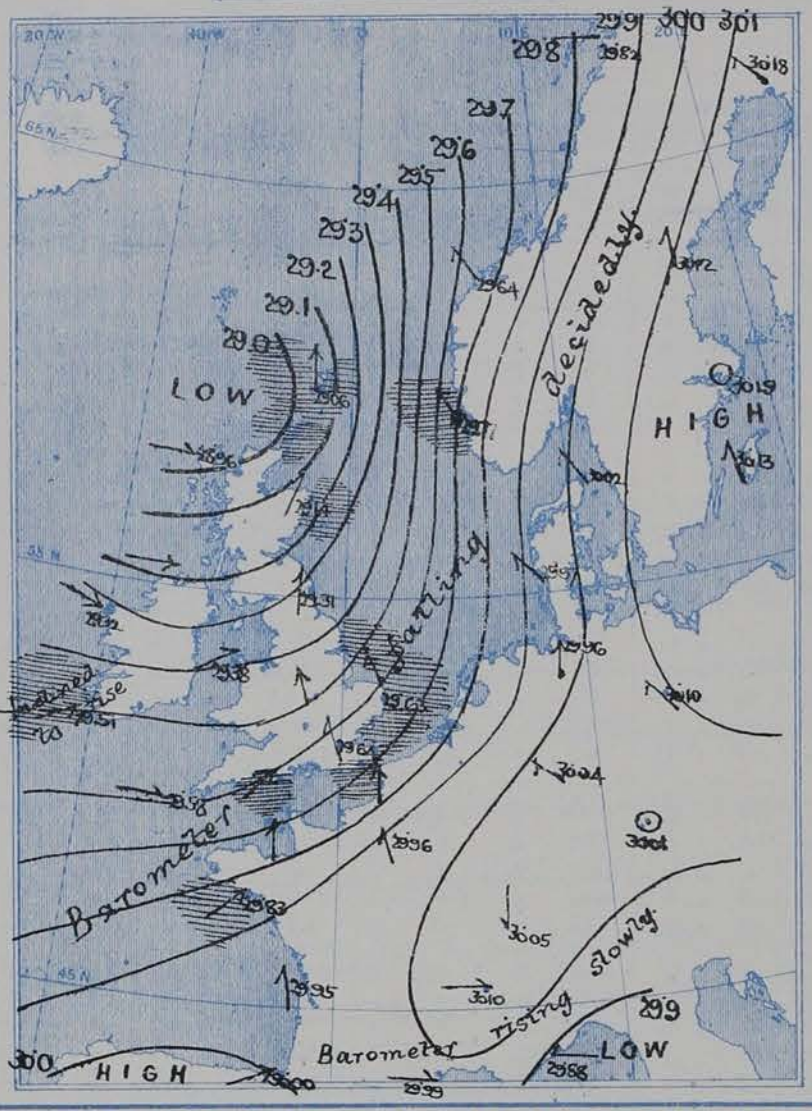
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

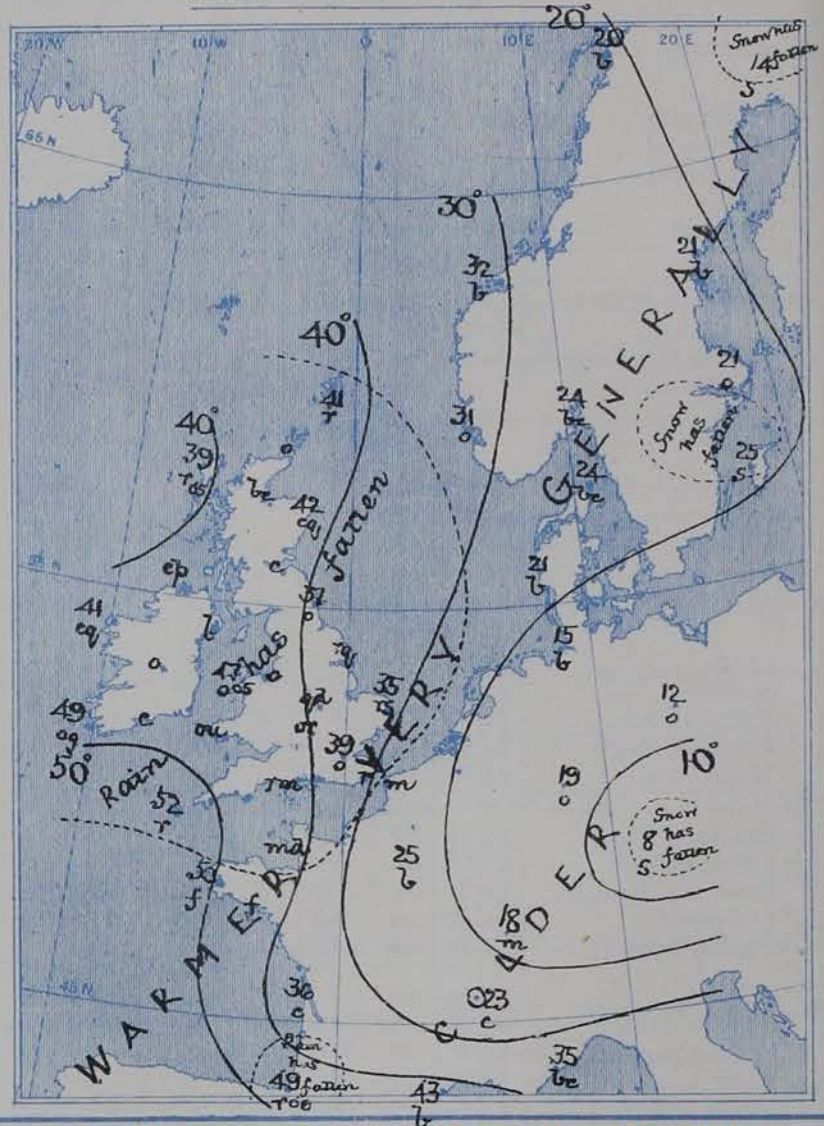


TEMPERATURE AND WEATHER.

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	14	1881	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	29·930	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 an anticyclone with its western borders over Sweden and the Baltic.
Lowest, 29·0 ins and less, in a depression with its centre off the north of Scotland.
Gradients steep over the North Sea, but moderate or slight elsewhere.
Barometer falling in most places, but inclined to rise again at Valencia (Ireland); rising in the south of France.

TEMPERATURE

Highest, 52° at Scilly, 50° at Brest, and 49° at Valencia (Ireland), Pembroke and Biarritz.
Lowest, (1) 8° at Munich, 12° at Berlin, and 15° at Cuxhaven; (2) 14° at Haparanda, and 20° at Bodö and Karlstad; lowest in our Islands 35° at Yarmouth.
A considerable rise has taken place over the central parts of England and Ireland.

WIND

Fresh or strong in force over our Islands generally, – from the W^ly^ or SW^ly^ on our western coasts, but from the S^ly^ in all the more eastern districts.
SE^ly^ in Scandinavia, Denmark, and Germany; light or moderate in force generally, but blowing a gale at Skudesnaes; variable over Central France.

WEATHER

Cloudy or dull over the United Kingdom generally, with rain at most of the English stations, as well as in the Shetlands and Hebrides, and passing showers in the north of Ireland.
Foggy on the north-west coast of France, dull in Sweden and Germany, with snow at Haparanda, Werby and Munich; fine over Central and southern France and also at many of the Norwegian and Danish stations.
Since yesterday morning rain has fallen over nearly the whole of our Islands, the largest amounts reported being 0·5 in: at Stornoway and Scilly. Lunar halo were seen last night in London and at Oxford and Spurn Hd.

SEA

Rough or rather so on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since last evening the centre of a rather deep depression has skirted our extreme north-west coasts. The disturbance is now passing away to the northward of Scotland, but it is not unlikely that fresh depressions will shortly approach our western coasts. The northern high pressure system appears to be still drifting slowly eastwards.

FORECASTS

For the 24 hours ending at NOON on 16TH JANUARY, 1900

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	SW^ly^ to S^ly^ winds, increasing in force; fair at first, some rain later.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	S^ly^ to SW^ly^ winds, fresh or strong; squally and rainy at first, some improvement later. Milder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW^ly^ and W^ly^ winds, fresh or strong; squally, some rain. Milder.
▼ 6	SCOTLAND WEST	W^ly^ and SW^ly^ winds, backing later; fair at first, then cloudy with some rain.
▼ 7	ENGLAND N.W.	
8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	
▼ 10	IRELAND SOUTH	
	WARNINGS	At 7·0 pm yesterday to districts 0, 1, 6 7, 9, and 10 "Hoist South Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·10	34	32	SE	8	0	9
Sumburgh Head	29·86	43	43	S	4	7	5
Stornoway... ...							
Aberdeen							
Shields							
Malin Head ...	29·86	40	40	SSW	5	7	3
Blacksod Pt.. ...							*
Holyhead	29·99	43	42	S	4	7	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly	29·86	47	45	NNW	4	c	3
Jersey	29·99	37	34	SE	4	0	3
Portland Bill ...	29·95	38	36	ESE	4	0	3
Dungeness ...	30·04	35	32	S	3	c	3
London (Westminster)							*
Yarmouth ...	30·03	34	32	SSW	2	c	3
Rochefort ...	29·96	36	34	ESE	3	0	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 7TH TO THE 13TH JANY 1900.

During nearly the whole of this period two high pressure systems were in existence, the one being situate for the most part over the Spanish Peninsula and neighbouring parts of the Atlantic, while the other lay over northern and afterwards over central and southern Russia. Over Western Europe the weather was influenced partly by the Spanish anticyclone, and partly by some depressions which appeared in the first place off our western and northern coasts, and which afterwards spread over a considerable portion of the United Kingdom. The first of these,- a "V" shaped disturbance passed across our Islands early on the 7th and afterwards dispersed over the North Sea, its passage being marked by heavy rains in many parts of England, and less decided falls in most other Districts. The second depression skirted the north of Scotland on the 8th and 9th and occasioned further rains over the whole of western Europe, the wind in its rear increasing to a gale from the NW^ward on our extreme northern coasts. As this disturbance passed away the Spanish anticyclone extended temporarily over the whole of western Europe, and the weather therefore became fine and dry, with sharp frost in many parts of Great Britain. On the 13th however, another depression, again of a "V" shaped character advanced over the western parts of the United Kingdom, so that rain again fell in all but our south eastern districts, the wind in the front of the disturbance increasing considerably from the S^ward, but afterwards veering quickly to the NW^ward in the west.

In many part of southern Europe the weather during the whole week was influenced by a shallow depression which hung with great persistence over Italy and the neighbouring parts of the Mediterranean, a cyclonic circulation of wind being observed in those regions, with occasional heavy falls of rain in places.

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 8 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 16th January, 1900.

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	30·13	10	S	2	b	29·90	−·28	17	17	+ 3	SSE	6	s		b		17	3	0·08
	Hernösand	29·89	20	Z	0	s	29·78	−·34	23	22	+ 2	SW	4	o		s		25	14	0·12
	Stockholm	29·92	23	Z	0	s	29·80	−·39	28	26	+ 7	SSE	2	o		s		28	18	0·04
	Wisby	29·95	23	S	4	o	29·79	−·34	30	29	+ 5	S	4	o		o		30	14	0·04
	Karlstad	29·76	22	E	2	b	29·63	−·50	20	19	0	NE	2	o		b				—
	Bodö	29·85	22	E	4	b	29·45	−·37	22	21	+ 2	E	1	b	0	b		22	18	—
	Christiansund ...	29·41	33	ESE	3	b	29·25	−·39	32	28	0	ESE	3	b	4	b		34	30	—
	Skudesnaes ...	29·40	31	SE	8	o	29·29	−·48	28	28	− 3	ESE	6	s	4	o		32	28	
	Færder (X'iania Fjord)	29·73	26	SSE	4	c	29·50	−·55	22	22	− 2	ESE	5	s	3	o		27	19	—
	The Scaw (Skagen)	29·69	26	SSE	3	o	29·41	−·61	27	27	0	SSE	4	s	1	o		28	26	0·05
	Fanö	29·56	21	SE	6	s	29·38	−·59	32	31	+ 11	SW	1	b		s		32	21	0·16
British Islands	Sumburgh Head ...	28·92	38	W	3	r	29·03	−·03	38	37	− 3	WSW	3	o	6	o,r		43	33	0·83
	Stornoway	29·05	36	WSW	3	c	29·12	+·16	36	35	− 3	SW	4	c sh q	4	hp, c	1·0	39	33	0·20
	Wick	29·04	42	S	3	c	29·12	+·12	34	34	− 10	SW	1	b	2	c		44	32	—
	Nairn	29·02	35	WSW	1	b	29·16	+·12	36	33	− 6	W	1	br s p	1	b		43	31	0·06
	Aberdeen	29·15	36	SW	2	b	29·22	+·08	36	32	− 6	SW	3	c	3	c,b	1·7	43	30	—
	Leith	29·21	37	WSW	3	bc	29·27	+·11	38	37	− 7	WSW	1	r		bc		45	35	0·09
	Shields	29·28	39	WSW	2	b	29·32	+·01	37	36	0	SSW	3	ow	2	cp, b		45	33	0·02
	Spurn Head ...	29·38	41	W	4	b	29·40	−·03	38	38	+ 2	WSW	3	o	3	b		45	35	0·02
	Loughborough ...	29·44	40	W	1	b	29·44	−·04	39	38	− 1	S	1	o g a		o.c, b, o g		48	36	0·01
	Malin Head ...	29·25	39	W	5	b c h r q	29·38	−·13	39	39	− 2	WSW	5	c	5	bc, r h q		41	36	0·23
	Blacksod Pt. ...	29·38	42	WNW	5	b c h r q	29·40	+·08	42	39	+ 1	NW	4	b c p	3	b c h p q		43	35	0·46
	Donaghadee ...	29·36	37	W	3	b p	29·34	+·09	37	37	− 6	WSW	2	b c p	3	b p		43	33	0·01
	Liverpool (Bidston)	29·43	39	WSW	4	b	29·41	+·03	38	37	− 7	SSW	2	r	3	p, b		47	38	0·12
	Holyhead	29·44	43	W	4	c p	29·36	−·02	43	41	− 4	W	3	o p	2	b c. c p		47	39	0·07
	Parsonstown ...	29·47	40	SW	2	r	29·42	+·04	40	39	− 5	WSW	1	o		b c, p	2·5	45	38	0·15
	Valencia	29·54	48	WSW	4	o	29·49	−·02	46	44	− 3	WNW	2	c	4	c p, o	1·1	49	43	0·18
	Roche's Point ...	29·58	45	WNW	4	c p	29·48	−·04	45	43	− 1	NNW	4	b c p	3	c		49	42	0·07
	Pembroke (St. Ann's Hd.)	29·54	47	WNW	5	c	29·41	−·07	45	45	− 4	N	1	a	4	c	0·3	49	44	0·11
	Scilly	29·61	50	WNW	4	c	29·43	−·15	48	48	− 4	W	4	r	5	c	0·8	53	47	0·09
	Jersey (St. Aubin's) ...	29·65	50	W	4	o p	29·50	−·25	50	48	+ 7	SSW	5	o r w	4	o p, b c		51	42	0·31
	Portland Bill ...	29·56	48	NW	5	o p	29·45	−·16	46	46	− 1	SSW	3	o r w	3	o, o p		50	42	0·26
	Dungeness	29·51	45	W	4	c	29·38	−·14	45	44	+ 6	WSW	2	r	2	r, c		46	38	0·45
	London (Brixton) ...	29·49	45	W	2	o r w	29·30	−·14	41	39	+ 2	SSW	2	o r		o p, o, r	0·0	47	38	0·08
	Oxford	29·64	41	WSW	3	o	29·46	−·09	40	40	− 3	S	2	r		o p		48	38	0·06
	Yarmouth	29·42	40	SW	3	c	29·28	−·15	37	36	+ 2	SSW	3	f	3	c		40	33	0·21
Germany	Cuxhaven	29·63	21	S	5	o	29·48	−·48	33	32	+ 18	SW	2	f		o.s		34	15	—
	Berlin	29·90	16	SE	3	b c	29·67	−·43	20	19	+ 8	SE	2	s		b c		20	12	0·04
	Wiesbaden																			
	Munich	29·95	8	E	4	f	29·79	−·28	26	26	+ 18	S	4	s		f		27	3	0·04
France & Netherlands	The Helder ...	29·47	32	S	2	o	29·51		39	38		WSW	2	o	2	o		41	25	0·04
	Brussels						29·63		37	37		SSW	1	f		o		37	22	0·28
	C. Gris Nez ...	29·54	45	WSW	6	o	29·52	−·26	43	43	+ 16	SW	5	r	5	o		45	28	0·51
	Paris	29·72	37	SSW	3	r	29·69	−·27	37	37	+ 12	S	2	m		c		40	25	0·20
	Brest	29·69	48	W	2	o	29·58	−·17	53	52	+ 3	W	5	o	4	o		53	48	0·24
	Lorient	29·71	52	WNW	5	r	29·65	−·18	53	53	+ 5	W	5	r	5	r		54	48	0·47
	Rochefort	29·89	50	WSW	5	r	29·89	−·12	52	50	+ 16	W	5	r		r		52	36	0·28
	Belfort	29·98	25	W	2	b c	29·82	−·23	35	35	+ 17	W	3	r		b c		35	18	0·32
	Lyons	30·06	31	S	1	o	29·91	−·19	34	33	+ 11	S	2	o		o		36	23	0·12
	Nice																			
	Perpignan	30·06	49	SW	1	o	30·02	+·03	47	39	0	SW	2	o		o		57	36	—
	Biarritz	30·02	50	S	3	o	29·96	−·04	52	52	+ 3	SSW	5	r	4	o		52	48	0·24
Span. Pen.	Corunna																			
	Lisbon																			
	Azores (P. Delgada)																			

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

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

Bright Sunshine yesterday Southport 0·2 hrs.

WEATHER CHARTS

FOR Tuesday, 16th January, 1900

BAROMETER, WIND AND SEA.

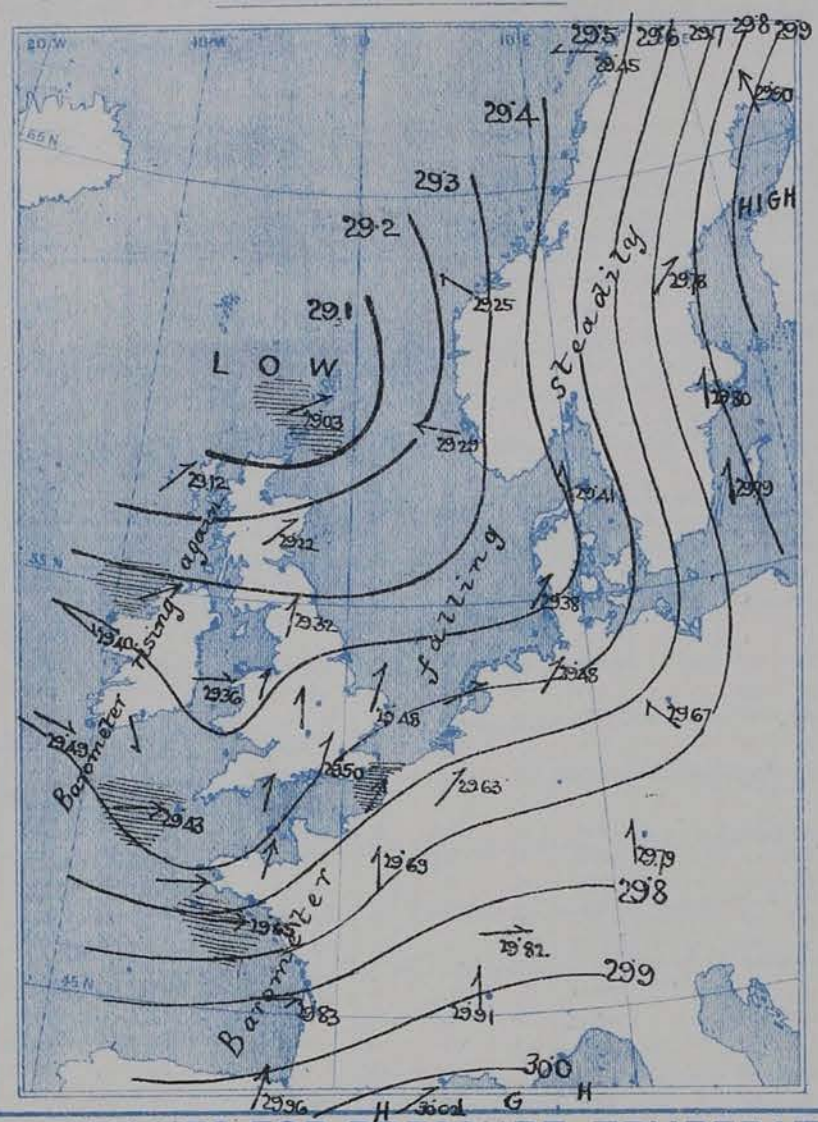
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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 AND 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 Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866–95.	BRIGHT SUNSHINE, Means, 1881–95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·676	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	—	—	—	—	5·38	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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, 88, 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 30.0 ins. and more in the N. of France and apparently over Finland also.
Lowest Below 29.1 ins. over the Shetlands and N. of Scotland, and 29.4 ins. to 29.5 ins. in a secondary over the Irish Sea and W. of England.
Gradients variable in direction, and moderate to slight.
Barometer still falling over the North Sea, but has begun to rise decidedly in Ireland & Scotland.

TEMPERATURE

Highest 52° to 53° in the W. of France, 48° to 45° in the English Channel, 46° at Valencia.
Lowest (1) 17° at Haparanda, 22° at Faerder, 28° at Stockholm; (2) 34° at Wick, 37° at Shields, 40° at Parsonstown and Oxford; (3) 20° at Berlin, 37° at Paris.
It rose to 53° at Scilly and 50° at Portland Bill yesterday, but did not exceed 40° at Paris.

WIND

(1) SE. ½ in Norway, SW. ½ in the Netherlands; (2) NW. ½ in Ireland, W. ½ (very strong) at Scilly, S. ½ over England.
The W. ½ and NW. ½ wind was spreading eastwards.

WEATHER

(1) Fine and bright over Norway and the N. of Scotland; (2) dull and gloomy, with rain or snow at the E^rn. and English stations, but improving in the W.
Lunar halos were seen in many parts of England last night. Rain has been very general, heavy in some places. Of Bright Sunshine there has been 2.5 hrs. at Parsonstown, a brief interval on our NW. coasts, but none in the SE. of England.

SEA

Moderate to slight and decreasing.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A "V" shaped depression is now moving across England causing a general rain, but in its rear the weather is likely to improve, and temperature fall.

FORECASTS

For the 24 hours ending at NOON on 17TH JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. ½ and SW. ½ winds, moderate; some showers, but fair as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	S. ½ to W. ½ and NW. ½ winds; rainy at first, finer and colder later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW. ½ and N. ½ winds, moderate; fair as a whole.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The Signals 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.58	30	28	SE	9	o	7
Sumburgh Head	28.92	42	42	S	4	o	6
Stornoway... ...	29.02	39	38	W	3	c	3
Aberdeen	29.08	41	37	SW	3	c	5
Shields	29.29	41	40	WSW	3	cp	2
Malin Head ...?	29.22	38	38	NW	6	r	5
Blacksod Pt... ...	29.36	41	39	WNW	5	bcphp	6
Holyhead	29.39	45	41	W	4	bc	3
Valencia	29.53	48	43	W	6	cp	6
Scilly	29.59	52	49	W	5	c	4
Jersey	29.64	48	47	SSW	5	ocm	4
Portland Bill ...	29.54	48	48	W	4	o	4
Dungeness ...	29.57	45	44	SW	7	r	6
London (Westminster)	29.47	48	47	W	3	m	*
Yarmouth ...	29.43	35	34	W	2	om	*
Rochefort ...	29.95	45	43	S	3	o	*

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

Weather in morning fine over Russia and also over the Mediterranean, the Spanish Peninsula, and over many parts of France. Snow falling over Hungary, rain at many stations in our Islands and the English Channel; fog prevalent in Brittany. Rain falling very generally later except in Norway, - heavily in some localities. Lunar halos seen very generally over England at night.

Temperature risen several degrees over our Islands and Sweden. Morning readings highest, (1) 53° at Malta, 52° to 50° on the Algerian coast; (2) 52° at Scilly, 50° at Brest, 49° at Valencia (Ireland) and at Lisbon, 47° at Portland Bill, 44° at Wick, 41° at Sumburgh Ht. Lowest (1) = 6° F. at Moscow and Archangel, = 4° at Kuopio; +15° at St. Petersburg; (2) 8° at Munich, 10° at Prague, 15° at Cascheven, 18° at Belfort, 28° at Paris; (3) 35° at Yarmouth. Changing very little later, but touching 53° at Scilly, 54° at Rochefort, and 57° at Perpignan.

Wind (1) light to moderate, and variable over the greater part of Continental Europe; (2) strong from W. in Ireland, NW.^{ly} and S.^{ly} over G. Britain, and SE.^{ly} in the west of Norway. Varying much between NW and WSW in Ireland later, backing at night.

Barometer highest (1) 30.8 ins. at Moscow, and exceeding 30.0 ins. over the E.^{rn} countries of Europe generally; (2) 30.47 ins. in the Azores, and exceeding 30.0 ins. over Portugal and the W. and S of Spain. Lowest below 29.0 ins. in the Hebrides and extreme NW. of Scotland; (2) below 29.8 ins. in a shallow depression over the Balkan Peninsula. Rising in our Islands later, but rise ceasing in the W. of Ireland at night.

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, 17th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia.	Haparanda																			
	Hernösand	29.69	31	S	6	S	29.80	+.02	30	28	+7	S	4	S		S		31	16	0.16
	Stockholm	29.72	33	SSE	4	O	29.76	-.04	32	32	+4	SE	2	r		o		33	16	-
	Wisby	29.72	31	S	4	o	29.78	-.06	30	29	0	SSE	4	S		o		32	21	-
	Karlstad	29.64	28	SSE	4	o	29.74	+.11	27	27	+7	NE	2	bc		o				0.08
	Bodö	29.46	29	SE	6	c	29.48	-.02	33	31	+11	SE	5	o	3	c		33	21	-
	Christiansund ...	29.26	30	SE	4	c	29.38	+.13	37	33	+5	SE	4	b	4	c		37	28	-
	Skudesnaes ...	29.39	35	SSE	8	c	29.52	+.23	36	34	+8	SSE	4	bc	4	S.c		36	28	-
	Færder (X'iania Fjord)	29.56	24	N	4	o	29.64	+.14	30	30	+8	SE	4	S	3	o		30	22	-
	The Scaw (Skagen)	29.56	33	SSW	1	f	29.64	+.23	33	33	+6	S	2	m	0	f		34	27	0.16
	Fanö	29.59	31	S	4	m	29.63	+.25	32	32	0	SSE	4	m		m		36	32	-
British Isles.	Sumburgh Head ...	29.12	39	WSW	3	c	29.29	+.26	39	38	+1	WSW	3	o	5	bc.c		40	34	0.16
	Stornoway	29.27	37	NW	4	c	29.28	+.16	36	35	0	SW	4	bc	4	bc.c	2.1	38	33	0.25
	Wick	29.24	37	SW	2	bc	29.33	+.21	36	35	+2	SW	1	bc	2	bc		40	33	-
	Nairn	29.32	37	WSW	2	bc	29.35	+.19	33	31	-3	W	1	b	1	bc		41	29	-
	Aberdeen	29.35	36	WSW	3	bc	29.40	+.18	32	32	-4	SW	2	bm	1	b bc	2.2	40	29	-
	Leith	29.39	37	WSW	2	b	29.40	+.13	37	36	-1	W	0	m		b		42	33	0.03
	Shields	29.45	40	SW	2	cm	29.48	+.16	35	34	-2	SW	3	c	2	cm		42	33	-
	Spurn Head ...	29.53	38	W	3	b	29.50	+.10	36	36	-2	SW	3	bc	3	b		44	35	-
	Loughborough ...	29.57	37	W	1	b	29.52	+.08	36	36	-3	ESE	1	ogma		r.cbc.o		44	34	0.05
	Malin Head ...	29.42	41	SW	4	c qr	29.28	-.02	38	38	-1	SSW	5	c	3	bc.crq		42	36	0.03
	Blacksod Pt. ...	29.50	42	W	3	bcp	29.34	-.06	45	42	+3	WNW	5	c qp	4	bc.bcp		46	37	0.16
	Donaghadee ...	29.49	38	WNW	2	bc	29.36	+.02	37	37	0	SW	1	c	3	bc		43	33	-
	Liverpool (Bidston)	29.55	40	WSW	3	c	29.42	+.01	37	37	-1	SE	3	r	?	p.c		42	35	0.14
	Holyhead	29.56	43	WNW	2	bc	29.34	-.02	45	44	+2	WSW	4	c p	3	c.bc		45	40	0.25
	Parsonstown ...	29.61	39	S	1	o	29.42	.00	37	36	-3	S	1	c		bc.o	4.7	45	37	0.31
	Valencia	29.56	47	S	1	r	29.51	+.02	49	45	+3	SW	6	c	6	o.r	0.4	51	44	0.13
	Roche's Point ...	29.62	48	WSW	4	c	29.53	+.05	48	46	+3	W	5	blp	4	c		49	45	0.20
	Pembroke (St. Ann's Hd.)	29.63	47	W	2	bc	29.50	+.09	49	47	+4	W	5	c	5	bc.f	4.2	50	45	0.20
	Scilly	29.67	50	WSW	3	c	29.63	+.20	52	51	+4	WSW	5	o	5	c	2.1	54	47	0.07
	Jersey (St. Aubin's) ...	29.69	51	WNW	5	o q	29.74	+.24	53	51	+3	WSW	5	omp	4	o g.op		53	48	0.22
	Portland Bill ...	29.65	46	NNW	3	b	29.58	+.13	49	48	+3	WNW	5	c	5	bc.b.r		50	44	0.56
	Dungeness	29.56	45	WNW	2	o	29.56	+.03	45	44	0	SSE	3	r	1	o		46	39	0.28
	London (Brixton) ...	29.59	44	N	2	cm	29.59	+.00	42	41	+1	SE	1	oa		o.bc.or	0.0	47	36	0.32
	Oxford	29.65	42	WSW	2	o	29.54	+.08	42	42	+2	S	3	r		op.r		45	38	0.18
	Yarmouth	29.51	40	SW	1	cm	29.57	+.00	37	36	0	S	3	bcm	3	r.cm		40	33	0.06
France & Netherlands. Germany.	Cuxhaven	29.50	34	SW	2	f	29.65	+.17	33	33	0	S	2	f		f		34	32	0.04
	Berlin	29.65	30	SSE	2	o	29.75	+.08	31	31	+11	E	0	o		o		32	19	-
	Wiesbaden						29.81		35	34		SE	1	m				35	32	0.24
	Munich	29.67	34	W	3	r	29.88	+.00	36	36	+10	SW	5	o		r		36	26	0.91
	The Helder ...																			
	Brussels						29.74	+.11	39	39	+2	S	1	r				40	33	0.12
	C. Gris Nez ...	29.59	43	NW	5	o	29.61	+.00	42	41	-1	SSE	2	r	2	o		46	39	0.43
	Paris	29.65	51	WSW	3	bc	29.80	+.11	48	48	+11	ESE	3	r		bc		52	33	0.20
	Brest	29.87	53	WNW	4	o	29.81	+.23	52	51	-1	W	5	f	8	o		54	50	0.04
	Le	29.90	51	WNW	5	r	29.88	+.23	53	53	0	W	6	f	5	r		55	50	0.20
	Rochefort	29.95	52	W	6	o	30.03	+.20	54	52	+2	WSW	6	r		f.o		54	50	0.08
	Belfort	29.63	43	W	8	f	29.90	+.08	44	44	+9	WSW	4	r		r		44	35	0.51
	Lyons	29.91	41	S	2	r	30.10	+.19	45	44	+11	S	1	o		r		48	34	0.12
	Nice	29.87	44	E	1	bc	29.91	-.04	41	40	+2	E	0	c	2	bc		50	39	-
	Perpignan	30.05	58	W	4	c	30.15	+.13	57	51	+14	NW	4	o		c		60	?	0.04
	Biarritz	30.12	57	W	6	r	30.18	+.22	57	53	+5	NW	4	o	5	r		57	48	0.08
Span. Pen.	Corunna																			
	Lisbon																			
	Azores (P. Delgada)																			

For Explanation of Columns, see bottom of last page. Erratum,— The Amount of Rainfall for London in Yesterday's Report shd have been 0.15".

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

Bright Sunshine yesterday Southport 1.4 hrs.

WEATHER CHARTS

FOR Wednesday, 17th January, 1900.

BAROMETER, WIND AND SEA.

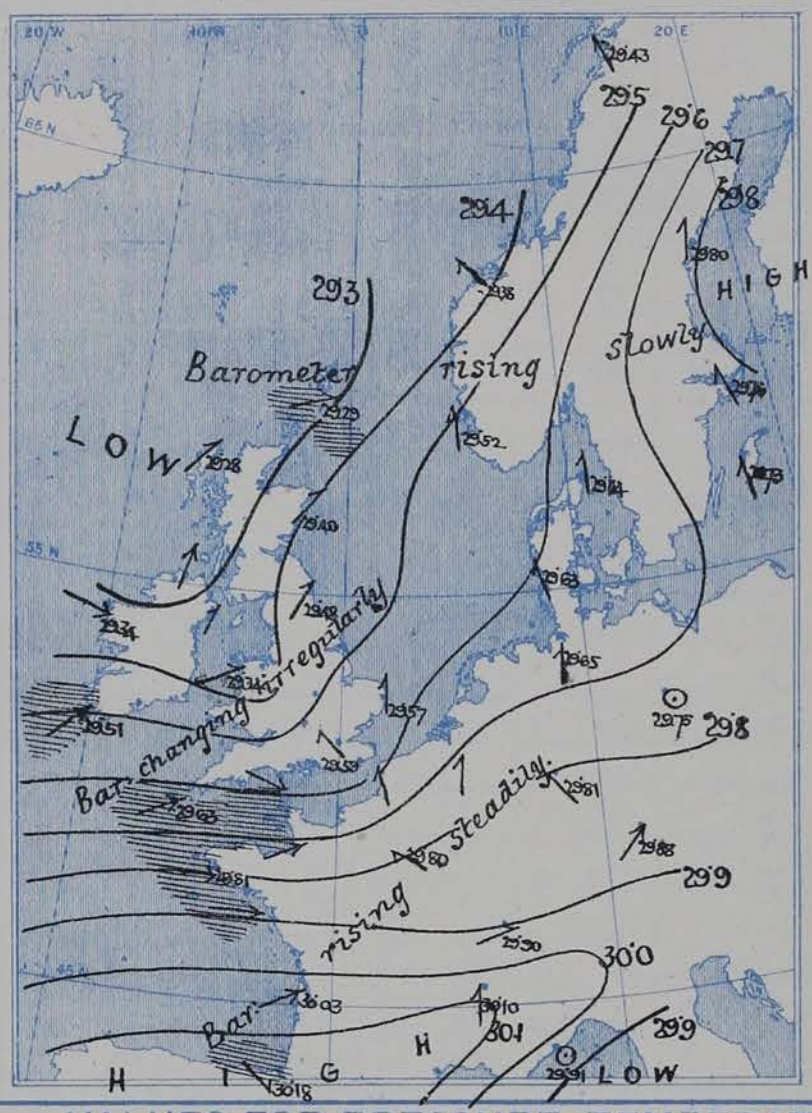
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

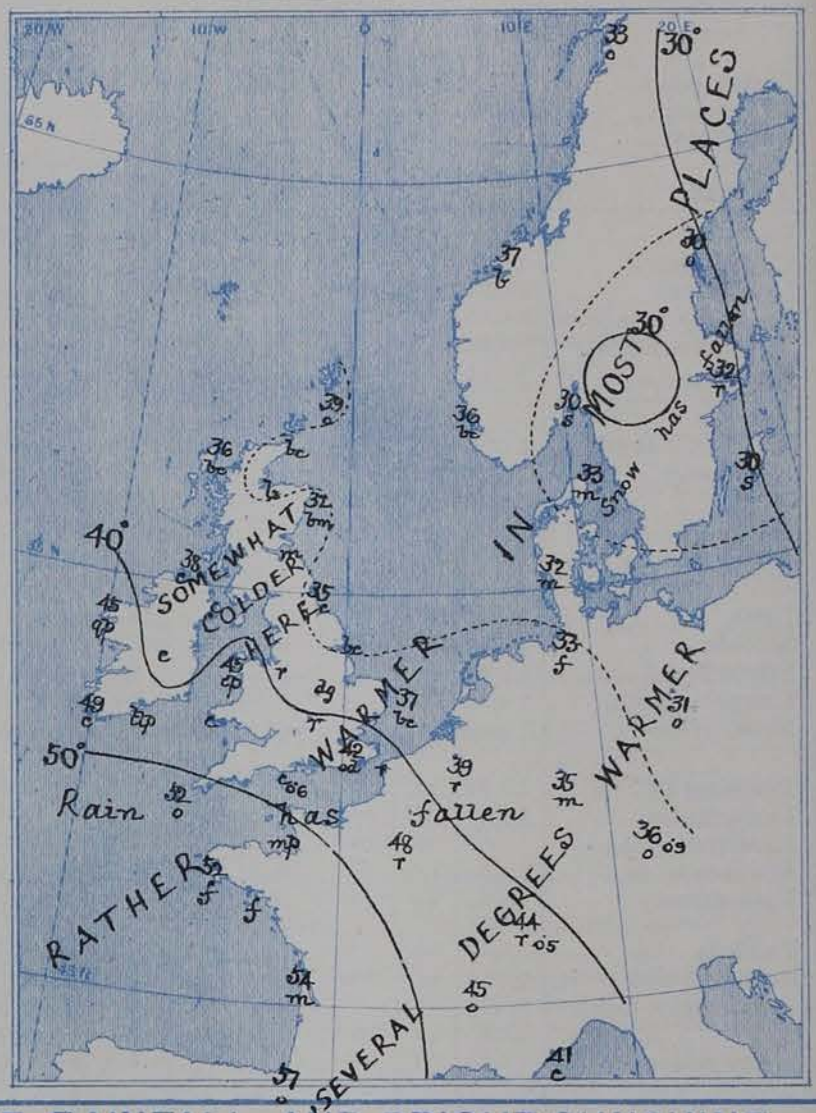


TEMPERATURE AND WEATHER.

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	14	1881	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) 29·80 in: at Stockholm, and ranging from that value to 29·4 in: all over Scandinavia; (2) 30·2 in: and more over the Spanish Peninsula, and exceeding 29·9 in: over all the southern parts of France.
Lowest. Below 29·3 in: in a shallow depression over our northwestern districts; there are some slight irregularities over England.
Gradients slight and irregular.
Barometer rising over Spain and the southern parts of France, changing little and irregularly in our Islands.

TEMPERATURE

Highest, 57° at Biarritz, 54° to 52° on the west and north coast of France, 52° at Scilly, 49° at Valencia and Portland Bill.
Lowest, 27° at Kirkstall, 32° at Aberdeen, 35° to 36° over the northern parts of England, 37° at Parsonstown.
It has been very unsteady during the past 24 hours, and touched 54° at Scilly, 53° at Jersey and 51° at Valencia yesterday.

WIND

Very variable between SE, SW. and W. and is blowing strongly from the latter point in the Channel this morning
On our northwestern coasts it is strong from SSW.

WEATHER

Very changeable and unsettled generally, the alternations between clear skies and considerable showers being frequent in almost all districts, thunder is prevailing at Roche's Point.
Halos and bronze are reported in many places.
Bright Sunshine recorded yesterday was more than 4 hours at Parsonstown and Pembroke; over the east of Scotland there were 2 hours, but in the southeast of England none.

SEA

Rough at Valencia and in the western part of the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of changeable weather is probable.

FORECASTS

For the 24 hours ending at NOON on 18th JANUARY, 1900

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	Wind still likely to vary between S. and W. to NW; frequent rain, but bright intervals.	▼ 6 SCOTLAND WEST	Wind still likely to vary between S. and W. to NW; frequent rain, but bright intervals.
1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 7·15 pm yesterday to districts 0, 6, 7, 9 & 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.34	32	31	E.SE	4	s	4
Sumburgh Head	29.08	38	36	WSW	3	bc	6
Stornoway... ...	29.20	38	37	WNW	4	bc	4
Aberdeen	29.28	38	35	WSW	2	b	2
Shields	29.40	42	40	SW	2	cm	2
Malin Head ...	29.38	40	39	W	3	bc	4
Blacksod Pt.. ...	29.45	45	42	WNW	4	bc	3
Holyhead	29.49	44	41	NNW	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.57	48	45	W	1	0	5
Scilly							
Jersey	29.55	53	52	W	6	0	4
Portland Bill ...	29.50	49	48	NNW	3	bc	4
Dungeness ...	29.46	45	44	SW	1	0	1
London (Westminster)	29.46	48	46	NW	3	0	*
Yarmouth ...	29.46	39	38	SSW	1	r	3
Rochefort ...	29.45	53	50	W	6	f	*

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

Weather in morning fine and bright over the northwest of Norway, and also over the eastern and southern shores of the Mediterranean, dull as a whole elsewhere. Snow over the south of Russia and central Europe, rain in France and our Islands, sleet showers at Stornoway. Rain later in all parts of France, England, and Ireland, local showers in Scotland and some parts of Scandinavia, heavy rainfall at Munich.

Temperature highest (1) 51° at Malta and Oran; (2) 52° to 53° in the west and northwest of France, 48° at Lilly, 46° at Portland and Valencia, 43° at Holyhead. Lowest (1) 3° at Moscow, 10° at Archangel, 14° both at Kursk and Kharkov; (2) 7° at Prague, 15° at Breslau, 16° at Swinemunde, 18° at Riga; (3) 37° at Paris, 39° at Loughborough, 36° at Aberdeen. Rising later to 40° or more almost all over our Islands, to between 50° and 54° on our southwest coasts, and to between 54° and 55° on the west coast of France, but changing irregularly inlands during day.

Wind SE[3] over Russia, Norway, and eastern Germany, S[4] over France and Western Germany and England, NW[3] in Ireland and St George's Channel, SW[3] in Scotland. Backing to W. and S[4] in Ireland later, veering to NW. over England and France.

Barometer highest (1) 30·75 ins: at Moscow, and exceeding 30·2 ins: all over Russia and southeastern Europe; (2) 30·42 ins: in the Azores and 30·3 ins: to 30·0 ins: over the Iberian Peninsula generally. Lowest 29·1 ins: in a depression off our northern coasts and 29·4 ins: to 29·5 ins: in a "V" shaped secondary advancing across England. Latter disturbance passing to North Sea later, but a new disturbance approaching Ireland subsequently.

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, omy; 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, 18th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda ...	30·08	16	S	4	S	30·10		15	15		SE	4	S	*	S	*	16	12	0·12
	Hernösand ...	29.85	30	S	6	S	29.91	+.11	25	25	- 5	E	4	S	*	S	*	32	25	0·16
	Stockholm ...	29.70	30	SE	2	S	29.76	.00	29	28	- 3	E	2	S	*	S	*	32	28	0·16
	Wisby ...	29.67	31	SSE	4	S	29.70	-.03	30	29	0	S	4	O	*	S	*	31	25	0·20
	Karlstad ...	29.74	27	NE	2	O	29.77	+.03	27	24	0	NNE	2	O	*	O	*	*	*	-
	Bodö ...	29.60	32	E	6	bc	29.73	+.30	27	24	- 6	E	5	b	2	bc	*	33	27	-
	Christiansund ...	29.54	38	SE	2	c	29.62	+.24	35	30	- 2	E	3	b	4	c	*	39	34	-
	Skudesnaes ...	29.52	35	SE	2	bc	29.60	+.08	36	33	0	E	2	O	2	bc	*	37	28	*
	Færder (X'iania Fjord)	29.66	29	E	4	O	29.72	+.08	29	28	- 1	NNE	2	O	2	O	*	30	27	0·08
	The Scaw (Skagen)	29.62	32	S	1	O	29.67	+.03	32	32	- 1	SE	1	S	O	O	*	34	32	0·04
	Fanö ...	29.55	32	SSE	1	O	29.50	-.13	32	32	0	ESE	5	S	*	O	*	34	32	0·04
British Islands	Sumburgh Head ...	29.28	38	S	1	c	29.39	+.10	39	39	0	SE	1	O	4	c	*	43	36	0·12
	Stornoway ...	29.12	40	SE	4	c	29.58	+.30	39	37	+ 3	NW	5	c	5	O.c	O·O	42	32	0·20
	Wick ...	29.23	36	S	2	O	29.50	+.17	35	34	- 1	S	2	c	2	O	*	45	33	0·08
	Nairn ...	29.17	38	SSW	3	b	29.55	+.20	38	36	+ 5	NNW	3	c	2	b	*	39	28	0·09
	Aberdeen ...	29.26	39	S	4	o gr q	29.56	+.16	37	34	+ 5	NW	6	cq	3	c m. r q	0·9	41	32	0·14
	Leith ...	29.27	39	S	2	O	29.67	+.27	37	34	0	W	2	bc	*	O	*	41	35	0·04
	Shields ...	29.35	37	SSW	1	o m	29.56	+.08	38	35	+ 3	W	4	c	2	f. o r q	*	39	38	0·02
	Spurn Head ...	29.39	38	W	5	b	29.60	+.10	38	37	+ 2	W	7	bc q	5	b	*	44	35	0·20
	Loughborough ...	29.46	43	W	2	bc	29.79	+.27	37	35	+ 1	WNW	5	bc q p	*	r. bc q p	*	50	36	0·14
	Malin Head ...	29.23	40	WNW	7	o r h q	29.80	+.52	40	40	+ 2	WSW	8	bc	6	r h q	*	43	36	0·14
	Blacksod Pt. ...	29.57	41	NW	6	bc q h p	30.01	+.67	44	40	- 1	NNW	5	bc	5	bc q h p	*	45	35	0·21
	Donaghadee ...	29.38	38	WNW	4	c q p	29.82	+.46	37	37	0	NNW	4	bc q	5	c q p	*	40	34	0·03
	Liverpool (Bidston) ...	29.46	40	WSW	5	O	29.82	+.40	40	38	+ 3	WSW	6	c	7	r f. o	*	44	37	0·32
	Holyhead ...	29.50	42	W	6	bc q p	29.89	+.55	41	39	+ 4	WNW	7	b q	5	c. bc q p	*	46	39	0·02
	Parsonstown ...	29.61	37	W	2	b	30.06	+.64	35	33	- 2	SW	1	b	*	b	2·6	43	34	0·06
	Valencia ...	29.76	46	W	6	c q h p	30.18	+.67	45	42	- 4	WSW	6	c p	5	bc q. q h p	2·4	49	38	0·15
	Roche's Point ...	29.73	44	NNW	6	r	30.14	+.61	41	38	- 7	WNW	4	b q	3	r q. r	*	49	37	0·08
	Pembroke (St. Ann's Hd.)	29.64	44	NW	6	bc	30.02	+.82	45	42	- 4	NW	6	bc	6	bc.	5·3	50	42	0·03
	Scilly ...	29.71	47	WNW	7	c q	30.13	+.50	47	45	- 5	WNW	6	c q	6	c. c q	1·5	53	43	0·08
	Jersey (St. Aubin's) ...	29.70	51	WNW	5	o p	29.98	+.24	45	40	- 8	NW	5	bc	4	o. p r h	*	53	42	0·30
	Portland Bill ...	29.59	45	NW	7	c q	29.94	+.36	48	40	- 6	NW	8	b	6	o q. c q	*	50	40	0·01
	Dungeness ...	29.53	45	NE	3	b	29.83	+.27	35	33	- 10	WNW	3	b	2	c. b q	*	45	34	0·02
	London (Brixton) ...	29.52	45	WNW	2	b	29.87	+.28	37	35	- 5	NW	4	b	*	o p. c. b	1·5	51	36	0·03
	Oxford ...	29.58	40	WSW	3	b	29.90	+.36	38	35	- 4	W	2	b	*	c. b	*	50	34	0·03
	Yarmouth ...	29.44	42	WSW	2	b	29.68	+.11	37	35	0	W	5	b c m	4	bc. b	*	44	33	0·02
Germany	Cuxhaven ...	29.58	34	S	1	f	29.45	-.20†	34	34	+ 1	S	2	r f	*	f	*	36	32	0·24
	Berlin ...	29.65	33	SE	2	O	29.58	-.17	33	33	+ 2	SE	2	O	*	O	*	34	31	-
	Wiesbaden ...	*	*	*	*	*	29.67	-.14	40	38	+ 3	W	3	O	*	*	*	39	35	0·24
	Munich ...	29.73	43	SW	6	O	29.66	-.22	37	36	+ 1	W	3	O	*	O	*	45	36	0·39
France & Netherlands	The Helder ...																*			
	Brussels ...	*	*	*	*	*	29.77	+.03	35	33	- 4	WSW	4	bc	*	O	*	48	34	0·04
	C. Gris Nez ...	29.55	47	W	5	O	29.80	+.19	40	39	- 2	NW	6	bc	6	O	*	50	37	0·08
	Paris ...	29.72	50	WSW	3	r	29.92	+.12	39	36	- 9	NW	4	b	*	r	*	55	?	0·24
	Brest ...	29.78	50	W	5	f	30.14	+.33	46	44	- 6	W	4	bc	5	f	*	52	48	0·08
	Lorient ...	29.81	48	WNW	6	r	30.18	+.30	46	46	- 7	NW	5	bc	5	r	*	54	45	0·16
	Rochefort ...	29.95	54	W	6	f	30.15	+.12	48	45	- 8	N	5	bc	*	O f	*	58	43	0·63
	Belfort ...														*		*			
	Lyons ...	30.00	48	SSW	2	O	29.88	-.22	43	34	- 2	NW	4	*	*	O	*	58	39	0·16
	Nice ...	29.90	45	E	0	b	29.72	-.19	45	42	+ 4	E	0	c	3	b	*	52	41	-
	Perpignan ...	30.10	57	W	2	b	29.91	-.24	49	46	- 8	NW	3	O	*	b	*	68	39	-
	Biarritz ...	30.08	56	WSW	2	c	30.15	-.03	51	46	- 6	NNW	7	bc	5	c	*	59	45	0·24
Span. Pen.	Corunna ...														*					
	Lisbon ...	30.44	53	NW	3	bc	30.52	+.05	51	46	- 2	N	4	c	*	bc	*	?	50	0·04
	Azores (P. Delgada)	30.52	58	N	3	O	30.45	-.02	59	55	0	SE	5	c	4	O	*	64	57	-

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

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

Bright Sunshine yesterday Southport 0·9 hrs.

WEATHER CHARTS

FOR Thursday, 18th January, 1900.

BAROMETER, WIND AND SEA.

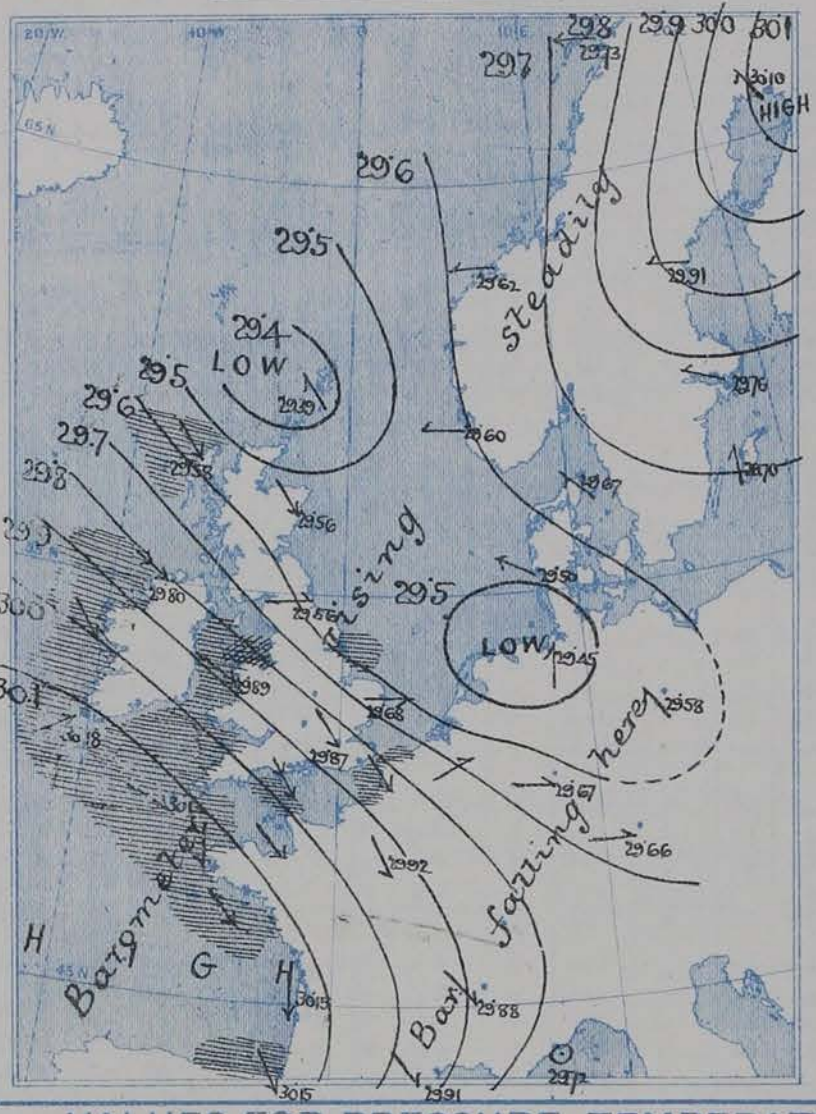
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

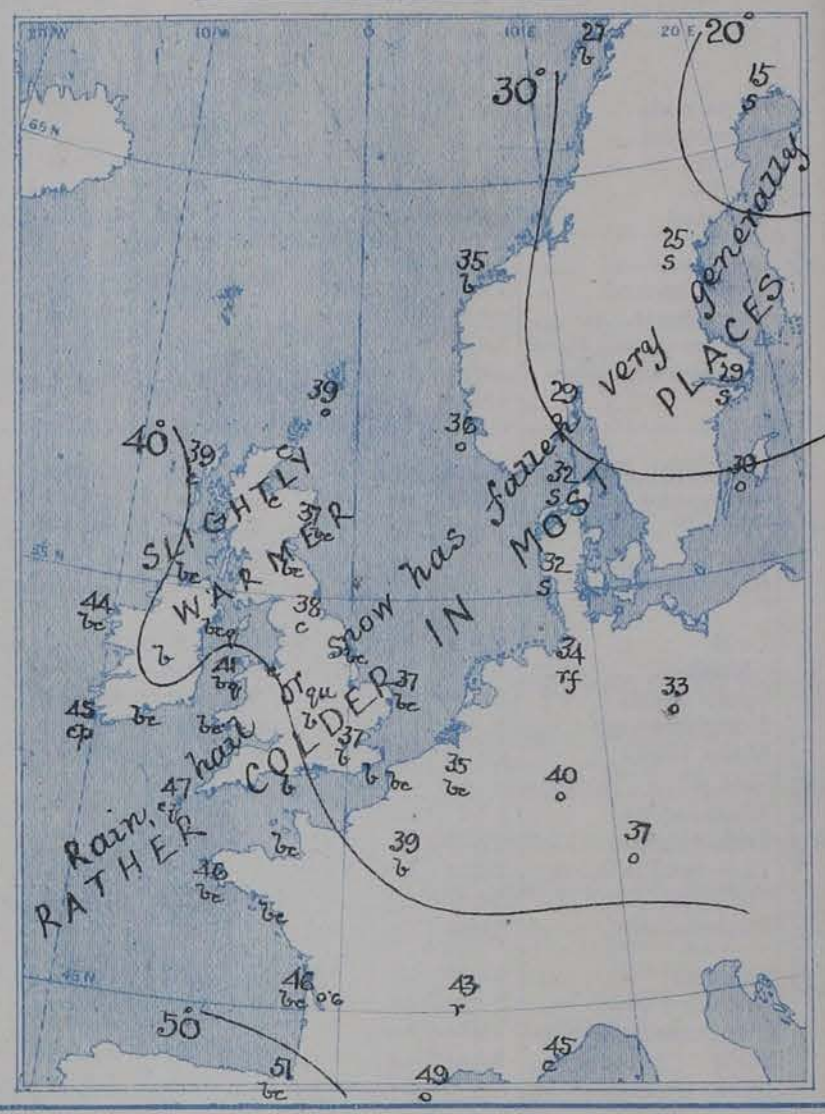


TEMPERATURE AND WEATHER.

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	—	—	—	—	5·28	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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	29·930	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 to 29·9 ins: over Finland and Sweden; (2) 30·1 ins: and more to 29·9 ins: over the Bay of Biscay, Ireland, and the southwest of England.
Lowest, (1) 29·4 ins: and less, in a depression near the Shetlands; (2) 29·5 ins: and less, in another near Holland; (3) Below 29 ins: all over the North Sea.
Gradients rather steep, for NW^{ly} winds.
Barometer rising over our Islands, falling over Germany and the east of France.

TEMPERATURE

Highest, 51° at Biarritz, 47° at Scilly, 45° at Pembroke and Valencia.
Lowest, 15° at Haparanda, 32° to 34° on the eastern shores of the North Sea, 33° at Berlin; (2) 35° at Wick, 37° at Aberdeen, Yarmouth and over Central England.
The maximum readings yesterday exceeded 50° in several parts of England and Ireland, and were as high as 53° at Scilly and Jersey, 63° at Perpignan.

WIND

NW^{ly} on all our coasts, moderate to strong in force, and blowing very strongly in places – a gale at Malin Head.

WEATHER

Clear and bright in most places, but not settled; in a few localities cold showers are reported. The air is much drier than of late.
Rainfall has been general, composed largely of hail in the west.
Bright Sunshine amounted to more than 5 hours at Pembroke, to more than 2 hours in Ireland, but there was less over England and Scotland.

SEA

High in some places, rough generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northwesterly wind is likely to continue but to become more moderate, with slight cold showers in places. Tonight it will be very cold over England.

FORECASTS

For the 24 hours ending at NOON on 19TH JANUARY, 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^{ly} winds, strong to moderate; squally in places, cold showers locally. Very cold tonight.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW^{ly} winds, strong to moderate; squally in places, cold showers locally. Very cold tonight.
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, 9, and 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.56	37	36	J	2	bc	3
Sumburgh Head	29.29	40	38	S	2	c	5
Stornoway... ...	29.15	40	38	J	4	o	4
Aberdeen	29.31	38	37	S SW	1	om	1
Shields	29.35	37	36	SSW	2	f	2
Malin Head ...	29.22	42	40	W	6	r	5
Blacksod Pt.. ...	29.42	41	38	NW	6	bcgrp	5
Holyhead	29.40	46	44	WSW	3	c	2
Valencia	29.76	46	40	W	6	cgrp	6
Scilly	29.65	50	47	W	6	c	5
Jersey	29.70	53	50	WSW	5	o	4
Portland Bill ...	29.60	49	47	WSW	5	ogl	5
Dungeness ...	29.54	48	47	W	3	c	3
London (Westminster)	29.51	52	48	W	2	c	*
Yarmouth ...	29.43	44	43	SSW	2	bc	3
Rochefort ...	30.03	54	52	W	5	o	*

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

Weather in morning fine and bright in Scotland, fair over eastern and northern Europe; slight snow at Breslau, and rain in almost all part of France and England; thunderstorm at Rochefort. Unsettled over the Mediterranean, with rain at Naples and Palermo. Rain, hail or sleet later in all parts of the British Islands and France, and in nearly all parts of Scandinavia, but amounts not large except at Rochefort.

Temperature in morning highest, (1) 57° at Perpignan, 54° at Malta and Algiers, 53° at Sirte; (2) 57° at Biarritz, 52° at Brest and Scilly, 49° at Valencia (Ireland) and Portland, 45° at Blacksod Point, Holyhead and Dungeness. Lowest (1) −1° at Moscow, +3° at Uleaborg, 14° at Kharkov; (2) 20° to 30° over Germany and Austria-Hungary; (3) 32° at Aberdeen, 36° at Loughborough, 37° at Parsonstown. Rising later to 50° and more in many parts of England, to 55° at Paris and 63° at Perpignan.

Wind (1) light to moderate and anticyclonic over the greater part of Continental Europe, S. to W. over our Islands (SE. over Central England) and blowing freshly at the western stations, strongly over the English Channel and Bay of Biscay. Becoming strong to a gale from NW. in Ireland later.

Barometer highest (1) 30·7 ins. at Archangel, and exceeding 29·9 ins. over Russia generally; (2) 30·47 ins. over the Azores, and 30·5 ins. to 30·0 ins. over the Spanish Peninsula and the southwest of France. Lowest (1) 29·3 ins. and less over the northern parts of Ireland and Scotland; (2) 29·9 ins. and less in a depression over the northeastern part of the Mediterranean. Rising fast in Ireland later, falling over Scotland and the North Sea

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); c. 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, 19th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. 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 (3 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	30·28	13	N	0	b	30·37	+·27	6	5	−9	SSE	2	bc	*	b	*	16	6	–
	Hernösand	30·13	21	NE	4	s	30·23	+·32	18	17	−7	NE	4	s	*	s	*	30	18	0·24
	Stockholm	29·96	27	E	2	o	30·13	+·37	23	23	−6	N	2	o	*	o	*	32	9	0·08
	Wisby	29·89	27	S	4	o	30·08	+·38	28	28	−2	S	4	o	*	o	*	30	23	–
	Karlstad	30·01	22	NW	2	c	30·19	+·42	22	22	−5	NNE	2	o	*	c	*	*	*	–
	Bodö	29·95	26	E	6	b	30·02	+·29	26	22	−1	E	6	b	2	b	*	28	21	–
	Christiansund ...	29·92	35	ESE	2	c	29·92	+·30	32	28	−3	ESE	3	bc	4	c	*	36	30	–
	Skudesnaes ...	29·99	35	S	4	o	30·03	+·43	36	34	0	SSE	6	o	4	o	*	37	34	*
	Færder (X'iania Fjord)	30·01	29	NE	2	o	30·18	+·46	27	25	−2	NNW	1	o	o	o	*	29	27	–
	The Scaw (Skagen)	30·02	30	ESE	1	o	30·20	+·53	31	30	−1	N	0	o	o	o	*	34	28	–
	Fanö	30·01	28	E	4	b	30·25	+·75	20	20	−12	ENE	1	f	*	b	*	32	18	–
British Islands	Sumburgh Head ...	29·76	42	W	2	b	29·45	+·06	42	41	+3	S	6	r	6	bc.b	*	43	38	0·10
	Stornoway	29·84	38	SW	3	o	29·25	−·33	48	47	+9	SW	8	r	8	c.o	2·5	48	35	0·50
	Wick	29·89	36	SW	3	bc	29·40	−·10	44	44	+9	S	4	r	?	hp.bc	*	45	33	0·20
	Nairn	29·93	35	N	0	bc	29·45	−·10	44	43	+6	WSW	4	c	2	bc	*	45	33	0·01
	Aberdeen	29·96	37	SW	3	b	29·62	+·06	42	41	+5	S	5	ogrq	5	bq.b	3·5	43	34	0·06
	Leith	30·00	38	W	1	b	29·68	+·01	46	43	+9	SSW	6	o	*	b	*	46	35	0·01
	Shields	30·04	38	W	2	b	29·92	+·36	41	40	+3	SSW	4	o	2	b	*	43	35	–
	Spurn Head ...	30·03	39	WNW	6	b	30·12	+·52	38	37	0	S	4	c	3	b	*	44	36	–
	Loughborough ...	30·15	39	WNW	4	b	30·18	+·39	39	38	+2	S	2	o	*	bcq.bc	*	44	33	–
	Malin Head ...	30·00	43	SW	4	ogrh	29·48	−·32	46	46	+6	SW	5	r	4	bc.qrh	*	46	39	0·35
	Blacksod Pt. ...	30·01	48	WSW	5	bcq	29·59	−·42	50	48	+6	WSW	8	bcqp	7	b.bcq	*	50	42	0·37
	Donaghadee ...	30·13	39	SW	3	bqp	29·72	−·10	45	45	+8	S	5	r	5	bcqp	*	46	35	0·04
	Liverpool (Bidston)	30·16	40	WSW	4	bc	30·00	+·18	46	43	+6	S	3	o	4	bc	*	46	37	0·01
	Holyhead	30·19	44	WNW	4	b	29·93	+·04	48	46	+7	SW	7	ou	5	q.b	*	48	40	–
	Parsonstown ...	30·17	43	SW	1	bc	29·80	−·26	49	46	+14	SW	2	oq	*	bc	6·6	49	34	0·03
	Valencia	30·22	48	SSW	3	bc	29·87	−·31	50	49	+5	SSW	6	qmp	6	cqp.bc	5·1	51	41	0·82
	Roche's Point ...	30·26	47	NW	1	b	29·98	−·16	50	50	+9	SW	8	r	5	b.p	*	50	41	0·15
	Pembroke (St. Ann's Hd.)	30·27	47	NW	3	bc	30·09	+·07	49	47	+4	SW	7	oq	5	bc	5·1	50	44	0·05
	Scilly	30·31	49	WNW	5	c	30·20	+·07	50	48	+3	SSW	6	o	5	c	6·2	53	44	0·02
	Jersey (St. Aubin's) ...	30·29	48	WNW	4	bcm	30·39	+·41	46	45	+1	SW	3	bc	3	bc.mp	*	51	37	0·02
	Portland Bill ...	30·22	45	NNW	6	b	30·30	+·36	46	45	+3	WSW	8	c	3	b	*	47	44	–
	Dungeness	30·10	40	NW	3	b	30·31	+·48	41	40	+6	WSW	8	b	1	bc.b	*	45	31	–
	London (Brixton) ...	30·14	42	WSW	3	b	30·30	+·43	36	35	−1	S	2	bc	*	bc.b	4·5	45	32	–
	Oxford	30·26	39	W	3	b	30·24	+·34	39	37	+1	S	3	b	*	b	*	45	34	–
	Yarmouth	29·95	41	NW	5	c	30·22	+·54	37	35	0	SW	3	bcm	3	bc.c	*	42	31	–
France & Netherlands. Germany.	Cuxhaven	29·91	34	NE	3	q	30·23	+·78	31	31	−3	E	1	b	*	o	*	37	30	0·04
	Berlin	29·81	36	W	3	c	30·09	+·51	33	32	0	N	3	o	*	c	*	36	32	0·08
	Wiesbaden ...	*	*	*	*	*	30·26	+·59	37	35	−3	SW	3	r	*	*	*	41	36	–
	Munich	30·04	33	SW	4	o	30·23	+·57	32	31	−5	W	4	o	*	q	*	39	30	0·24
	The Helder ...																*			
	Brussels	*	*	*	*	*	30·34	+·57	36	36	+1	WSW	1	bc	*	r	*	40	34	0·08
	C. Gris Nez ...	30·08	44	N	6	bc	30·31	+·51	36	35	−4	SW	2	bc	2	bc	*	46	36	–
	Paris	30·19	42	SSW	3	b	30·37	+·45	32	32	−7	SW	2	b	*	b	*	41	31	–
	Brest	30·42	49	NW	4	b	30·45	+·31	50	48	+4	SSE	4	o	4	b.	*	50	46	–
	Lorient	30·43	48	NW	5	b	30·45	+·27	48	46	+2	W	4	c	4	b	*	54	41	–
	Rochefort	30·37	48	NNW	5	b	30·50	+·35	42	40	−4	N	2	b	*	b	*	55	39	–
	Belfort	30·14	33	W	3	bc	30·34		32	30		W	3	o	*	bc	*	38	30	0·12
	Lyons	30·21	36	NW	2	bc	30·37	+·49	34	32	−9	NNW	2	o	*	s.bc	*	43	32	0·04
	Nice	30·00	48	E	6	c	29·84	+·12	37	32	−8	E	3	c	3	c	*	55	37	0·04
	Perpignan	30·20	46	NW	4	bc	30·25	+·34	43	37	−6	NW	5	b	*	bc	*	52	42	–
	Biarritz	30·42	50	N	6	r	30·48	+·33	45	43	−6	E	3	r	5	rh	*	52	43	0·32
Span. Pen.	Corunna																*			
	Lisbon	30·60	48	N	4	b	30·59	+·07	42	39	−9	N	4	bc	*	b	*	55	39	–
	Azores (P. Delgada)	30·35	59	SSE	5	o	30·23	−·22	61	59	+2	S	4	o	4	o	*	61	57	0·04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 4·5 *hrs.*

WEATHER CHARTS

FOR Friday, 19th January, 1900.

BAROMETER, WIND AND SEA.

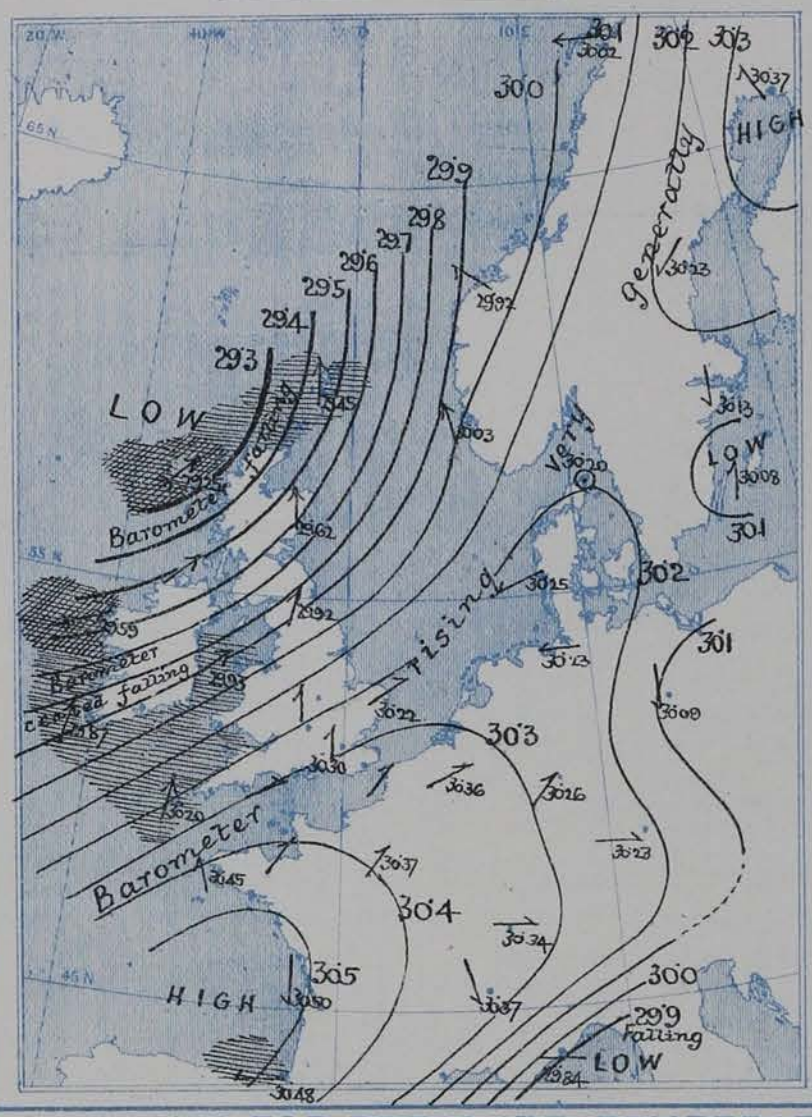
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

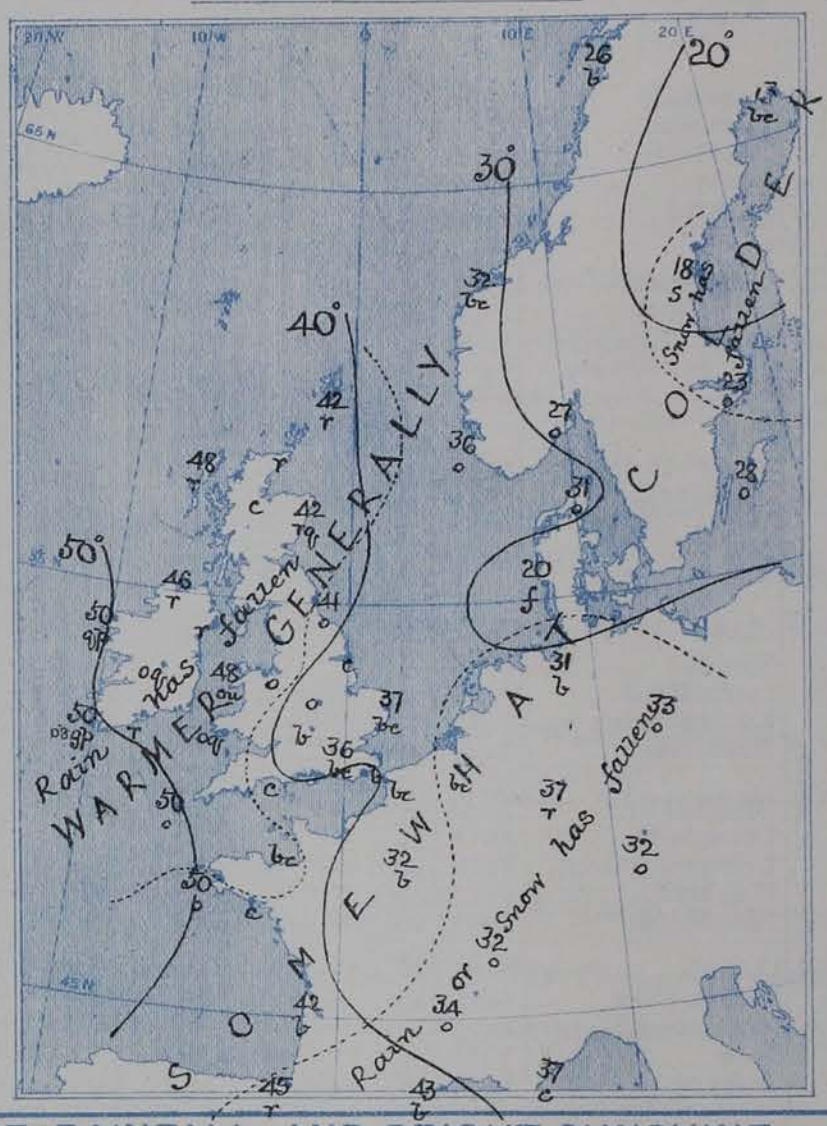


TEMPERATURE AND WEATHER.

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 Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866–95.	BRIGHT SUNSHINE, Means, 1881–95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·676	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	—	—	—	—	5·38	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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) 30·5 ins: and more to 30·3 ins: over the Bay of Biscay, France and the south of England; (2) 30·3 ins: and more to 30·2 ins: over Ireland and the north of Sweden.
Lowest, (1) 29·3 ins: and less, to 29·6 ins: in a depression lying over our northwestern and northern districts; (2) 29·9 ins: and less, over the Gulf of Genoa.
Gradients over our Islands steep, especially in the west and north.
Barometer falling generally, most in the northwest and north, but at Blacksod Point and Valencia the fall is much checked.

TEMPERATURE

Highest, 50° at Valencia, Rockethead and Scilly, 48° at Holyhead, 46° at Portland Bill.
Lowest, (1) 13° at Haparanda, 18° at Hernösand, 20° at Jamö; (2) 36° in London, 37° at Yarmouth; (3) 32° at Munich.
The maxima recorded yesterday, were above 45° in most parts of Ireland and England, and touched 51° at Valencia and Jersey and 53° at Scilly.
In the east of England the maxima were rather lower and the air was very keen.

WIND

SW and strong (a gale in places) at our western and northern stations, S and light over the east of England.
On the Continent the wind is light and variable in direction

WEATHER

Fine over France and the southeast of England, fair over Central and northern Europe generally, but with slight snow in one or two localities, rain at Wiesbaden.
Rain has again set in on our western and northern coasts, and has been heavy (0·82 in:) at Valencia.
Bright Sunshine recorded yesterday was 7 hours and more at Brighton and Hastings, 4·5 hours in London and at Southport.

SEA

High at Stornoway and off the west of Ireland, rough and rising on our west and northwest coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rough unsettled weather in the west is spreading (in a modified degree) to all our neighbourhood, with rising temperature, and unsettled conditions with slight fair intervals are probable on all our coasts.

FORECASTS

For the 24 hours ending at NOON on 20TH JANY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW 24 hrs strong winds; rainy, mild.
1	SCOTLAND EAST	SW 24 hrs winds, fresh; gusty, some rain, milder.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW 24 hrs winds, freshening, with rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S 24 hrs and SW 24 hrs winds, fresh to strong; changeable, showery.
9	IRELAND NORTH	Similar to No 0, but shifting to W. or NW. later.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.79	37	35	SE	4	o	3
Sumburgh Head	29.65	40	38	W	1	bc	4
Stornoway... ...	29.79	43	40	WNW	3	c	3
Aberdeen	29.83	40	36	W	5	bq	3
Shields	29.88	43	38	W	3	b	2
Malin Head ...	29.98	44	44	WNW	6	bc	5
Blacksod Pt.. ...	30.06	48	44	W	4	b	4
Holyhead	30.11	45	42	WNW	7	b	5
Valencia	30.23	49	45	SW	5	cqlp	5
Scilly	30.29	45	45	WNW	6	c	5
Jersey	30.23	50	45	WNW	5	bc	4
Portland Bill ...	30.10	46	42	NW	8	b	6
Dungeness ...	29.99	45	40	NNW	5	bc	4
London (Westminster)	30.01	47	42	NW	3	c	
Yarmouth ...	29.83	42	38	WNW	5	bc	4
Rochefort ...	30.29	50	46	NNW	5	b	

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

Weather in morning (1) fine as whole over the United Kingdom and neighbourhood (excepting slight squalls and showers in the far west) roaring over the southern parts of France; (2) dull and unsettled over northern and eastern Europe, with snow at many of the northern stations. Rain setting in again later at our extreme western stations, and spreading eastwards and northwards; amount at Valencia large; remaining cold and fine over the eastern parts of England.

Temperature fallen all over western, risen over Central Europe. Morning readings highest 62° at Lisbon, Malta, and Algiers; 51° at Biarritz, 47° at Scilly, 45° at Valencia, 44° at Blacksod Point. Lowest (1) 1° at Archangel, 13° both at St Petersburg and Kharkov; below the freezing point all over Russia and eastern Hungary; (2) 39° at Paris, 37° to 39° over England. Rising later to 45° and more over the major part of Great Britain, to 50° and more on our southwest coasts, 53° to 55° in the southwest of France.

Wind (1) SE? moderate over Russia and northern Europe; (2) NW? and strong over our Islands and the north of France, N? in the south of France (a gale at Malin Head and Liverpool). Backing to SW in Ireland and Scotland later, and (after falling light) increasing in force.

Barometer highest (1) 30.62 ins: at Archangel and exceeding 30.0 ins: over the greater part of Russia (mainly in the northeastern part); (2) 30.52 ins: at Lisbon, and exceeding 30.1 ins: all over Spain, the Bay of Biscay, the west of France and extreme southwest of our Islands. Lowest (1) 29.39 ins: at Sumburgh Hd and 29.5 ins: and less, over the extreme northeast of Scotland; (2) 29.5 ins: and less, in another depression lying over the southeastern parts of the North Sea. Rising over our Islands later, but a fresh fall setting in over the extreme west of Ireland at night.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 20th January, 1900.

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	†30·31	5	E	4	S	30·13	+·24	9	9	+ 3	S	2	S	*	S	*	12	2	0·04
	Hernösand	†30·18	11	Z	0	S	29·89	−·34	27	26	+ 9	SSE	6	S	*	S	*	?	?	0·08
	Stockholm	†30·23	18	NW	2	b	29·93	−·20	31	30	+ 8	SE	4	S	*	b	*	31	18	0·04
	Wisby	†30·26	28	NNW	4	0	29·99	−·09	31	30	+ 3	S	4	S	*	0	*	32	25	—
	Karlstad	†30·15	27	SW	4	0	29·70	−·49	30	29	+ 8	SSE	4	S	*	0	*	*	*	0·16
	Bodö	29·82	27	E	6	b	29·48	−·54	24	21	− 2	E	6	bc	2	b	*	27	21	—
	Christiansund ...	29·41	40	E	8	bc	29·37	−·65	41	34	+ 9	NW	4	c	6	bc	*	41	32	—
	Skudesnaes ...	29·57	37	S	8	r	29·67	−·36	41	39	+ 5	W	2	bc	4	r	*	41	34	*
	Færder (X'tania Fjord)	30·02	30	S	6	s	29·65	−·53	32	31	+ 6	NNW	2	0	4	S	*	32	27	0·12
	The Scaw (Skagen)	30·00	32	SSW	7	0	29·71	−·49	35	35	+ 4	NW	5	bc	0	0	*	36	28	0·12
	Fanö	30·00	32	SSE	6	r	29·89	−·36	37	36	+ 17	NW	4	b	*	r	*	37	20	0·51
British Islands	Sumburgh Head ...	29·25	40	NW	4	0	29·54	+·09	42	40	0	NW	4	0	5	r 0	*	45	39	0·45
	Stornoway	29·32	41	NW	6	bc	29·72	+·47	40	39	− 8	NNW	3	0 tl	3	rhg. bc	1·3	48	36	0·45
	Wick	29·38	37	W	4	c	29·69	+·29	38	37	− 6	W	4	c	3	c l	*	45	35	0·02
	Nairn	29·47	38	W	4	r	29·77	+·32	39	37	− 6	W	3	bc	2	r	*	45	34	0·24
	Aberdeen	29·52	39	SW	5	bq	29·84	+·22	38	35	− 4	SW	3	c	3	p, b. l	0·6	47	36	0·03
	Leith	29·61	43	NW	3	r	29·91	+·23	40·3	37	− 6	NW	5	bc	*	r	*	50	37	0·12
	Shields	29·71	46	SW	3	0	29·99	+·07	39	37	− 2	SW	3	cm	2	r. 0	*	50	37	0·03
	Spurn Head ...	29·87	44	SSW	7	c	30·08	−·04	39	38	+ 1	W	4	c	3	c	*	46	37	—
	Loughborough ...	29·94	48	SSW	6	c	30·15	−·03	37	36	− 2	W	2	0	*	gp. bc. 0	*	48	37	0·22
	Malin Head ...	29·65	40	W	6	bcqp	29·95	+·47	40	38	− 6	NW	4	0 qr	4	cqp	*	47	38	0·11
	Blacksod Pt. ...	29·82	40	NNW	6	bcqp	30·02	+·43	45	41	− 5	NW	4	bc	4	c qp. h	*	51	45	0·18
	Donaghadee ...	29·94	44	W	4	0qp	30·02	+·30	36	36	− 9	SW	2	c	3	0 qp	*	50	34	0·03
	Liverpool (Bidston)	29·87	47	SW	5	r	30·13	+·13	39	36	− 7	SW	2	b	3	p	*	50	38	0·05
	Holyhead	29·86	46	NW	4	0	30·12	+·19	43	40	− 5	W	3	0m	2	0 qm p	*	49	40	0·11
	Parsonstown ...	29·90	44	SW	1	0	30·12	+·32	37	36	− 12	SE	1	0	*	0	0·0	50	35	0·09
	Valencia	30·00	48	NW	5	0qp	30·14	+·27	41	40	− 9	SE	1	0 q	5	0 qp	0·0	51	40	0·14
	Roche's Point ...	29·98	48	W	4	0	30·17	+·19	40	39	− 10	NW	1	0m	4	0	*	52	38	0·20
	Pembroke (St. Ann's Hd.)	30·00	48	NW	6	r	00·16	+·07	43	41	− 6	NE	1	c	5	0r	0·0	49	42	0·39
	Scilly	30·11	50	SSW	7	c	30·15	−·05	47	47	− 3	ESE	1	r	5	0m	0·0	52	47	0·07
	Jersey (St. Aubin's) ...	30·30	48	SSW	5	0q	30·23	−·16	50	49	+ 4	SW	5	rm	4	0q	*	51	39	0·17
	Portland Bill ...	30·14	49	SW	6	0	30·20	−·10	46	45	0	NW	2	0r	3	0	*	49	43	0·23
	Dungeness	30·16	47	WSW	6	0	30·20	−·11	44	44	+ 3	SW	3	c	3	0	*	47	40	0·19
	London (Brixton) ...	30·10	48	SW	3	0	30·20	−·10	44	44	+ 8	SW	1	cm	*	c. 0. r	0·0	49	36	0·20
	Oxford	30·02	49	SW	5	0	30·20	−·04	40	39	+ 1	SW	2	c	*	0q. r	*	50	38	0·15
	Yarmouth	30·02	45	SW	6	0q	30·14	−·08	39	38	+ 2	NW	2	cm	3	c. 0q	*	45	35	0·20
Germany.	Cuxhaven	30·22	32	S	4	c	29·97	−·26	39	38	+ 8	NW	5	rq	*	c	*	39	31	0·39
	Berlin	30·39	32	SSE	1	0	30·17	+·08	35	33	+ 2	S	4	0	*	0	*	36	30	—
	Wiesbaden	*	*	*	*	*	30·36	+·10	36	34	− 1	SW	1	0	*	*	*	39	30	—
	Munich	30·49	32	W	2	0	30·48	+·25	27	26	− 5	SW	4	0	*	0	*	34	23	0·04
France & Netherlands.	The Helder ...																*			
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	30·22	43	SW	6	c	30·20	−·11	44	43	+ 8	W	3	0	4	c	*	46	36	0·20
	Paris	30·45	37	S	2	bc	30·05	−·02	43	42	+ 11	SSW	3	c	*	bc	*	44	32	—
	Brest	30·02	50	SW	5	r	30·24	−·21	52	52	+ 2	SW	5	r	5	r	*	52	50	0·04
	Lorient																*			
	Rochefort	30·50	47	SSW	3	c	30·43	−·07	50	47	+ 8	SW	3	0	*	c	*	52	42	—
	Belfort	30·59	34	SSE	1	m	30·56	+·22	29	28	− 3	SSE	2	fg	*	m	*	41	?	—
	Lyons	30·53	36	NW	2	b	30·59	+·22	27	21	− 7	W	1	b	*	b	*	41	27	—
	Nice	30·17	46	Z	0	b	30·39	+·55	40	32	+ 3	E	4	bc	3	b	*	54	37	—
	Perpignan	30·43	48	NW	4	b	30·49	+·24	45	36	+ 2	NW	2	b	*	b	*	51	43	—
	Biarritz	30·51	48	Z	0	bc	30·39	−·09	39	37	− 6	Z	0	b	4	bc	*	52	36	0·04
Span. Pen.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Saturday, 20th January, 1900.

BAROMETER, WIND AND SEA.

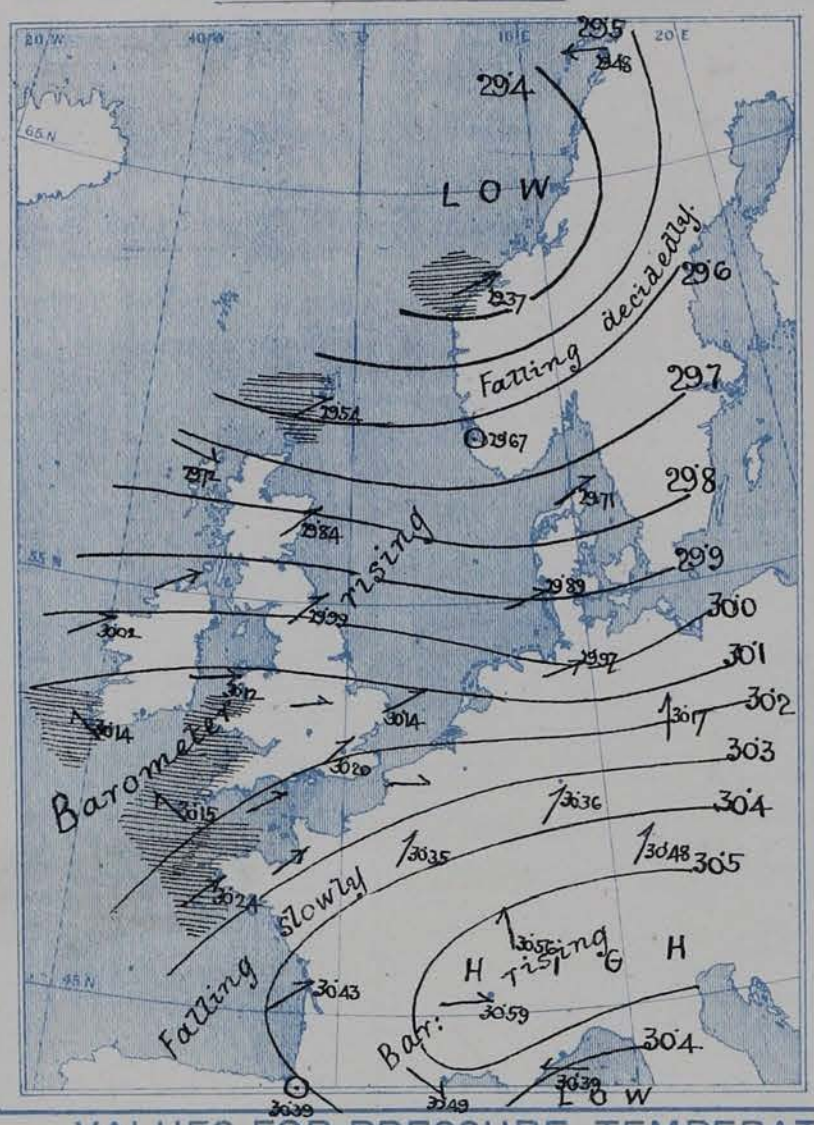
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

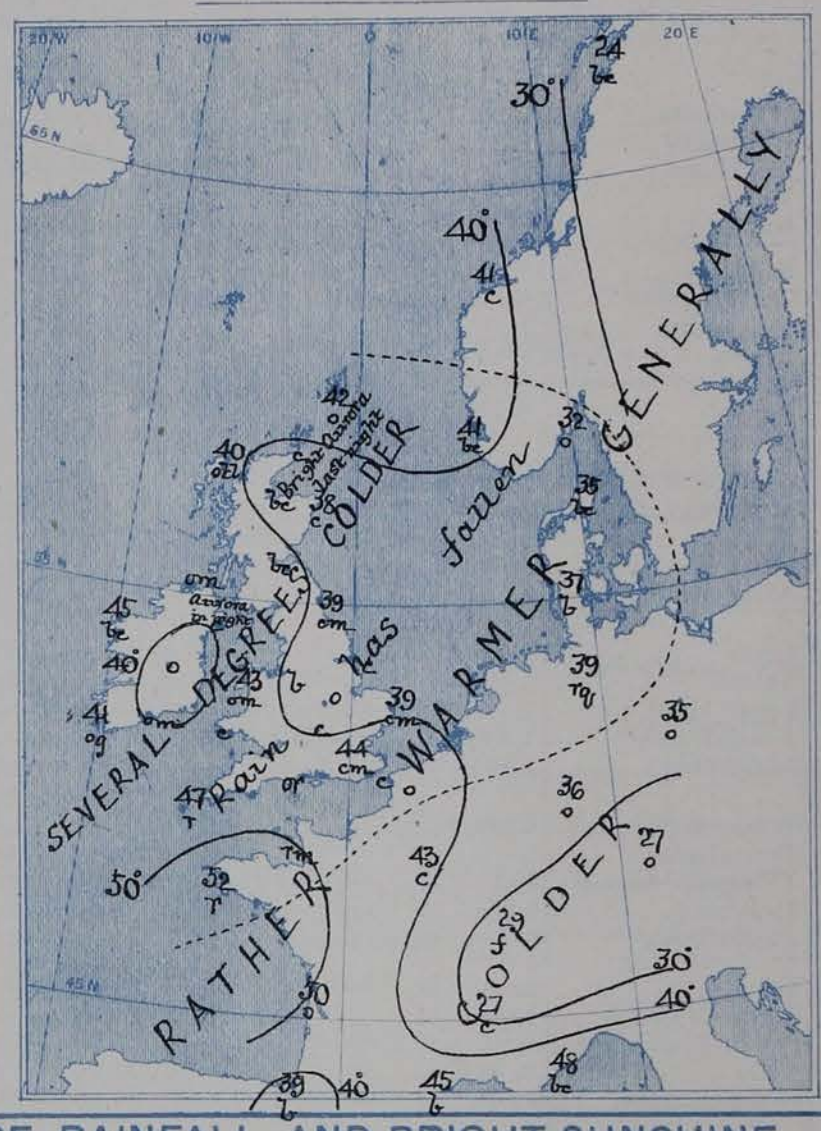


TEMPERATURE AND WEATHER.

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	14	1881	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 more to 30·2 in: over France, the Channel, and the extreme south of England.
Lowest, 29·4 in: and less, in the extreme northwest of Norway, and below 29·6 in: in the Shetlands.
Gradients moderate for W. to SW. winds over our Islands as a whole, slight and irregular off the mouth of St George's Channel.
Barometer rising generally over the United Kingdom, most in the northwest.

TEMPERATURE

Highest, 52° to 50° in the west and northwest of France, 47° at Scilly, 44° at Dungeness, 41° at Valencia.
Lowest, (1) 24° at Bodö, 32° at Leirdal; (2) 27° at Munich, 35° at Berlin, 39° at Borkum; (3) 36° at Drogheda, 39° at Nairn and Shields.
The maxima recorded yesterday were 45° and upwards at all our own stations, and exceeded 50° in the west and southwest.

WIND

(1) E. strong at Bodö; (2) W. and SW. over the northern parts of our Islands, SW. in the south (fresh in the Channel); (3) Very light and variable on our southwest coasts. Light and anticyclonic over France.

WEATHER

Fair over the northern parts of Great Britain, cloudy elsewhere, with rain very generally about the mouth of the Channel, and foggy in places. A thunderstorm is reported at Stornoway.
Rain has been very general over the United Kingdom and the North Sea – but not heavy. A halo is reported at Pembroke, and Aurora was seen at many of the northern stations.

SEA

Moderate generally, rather rough (without wind) at several southwestern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very changeable weather is still probable, but a temporary clearance in the northern parts of the Kingdom.

FORECASTS

For the 24 hours ending at NOON on 21ST JANY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. to NW. winds, light to moderate; colder, fair as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Very Variable and light breezes; changeable, cooler, some rain and fog occasionally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW. and Variable winds, light; cooler, changeable, some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.88	37	36	SSE	8	r	5
Sumburgh Head	29.29	41	41	WSW	5	r	7
Stornoway... ...	29.30	40	39	WSW	5	o	5
Aberdeen	29.44	44	42	SW	3	cp	5
Shields	29.68	50	46	SW	5	o	2
Malin Head ...	29.56	45	43	W	6	c	5
Blacksod Pt.. ...	29.71	45	42	WNW	6	c qp	6
Holyhead	29.82	49	48	SW	7	o qm	6
Valencia	29.91	49	47	WSW	6	o qp	6
Scilly	30.14	51	51	SSW	7	c	5
Jersey	30.36	49	45	SSW	4	o	4
Portland Bill ...	30.22	49	47	SW	5	o	5
Dungeness ...	30.25	42	40	SW	5	o	4
London (Westminster)	30.17	49	46	SW	3	o	
Yarmouth ...	30.09	44	42	SSW	5	c	*
Rochefort ...	30.52	50	48	SW	1	c	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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for 8 a.m. on Sunday 21st January, 1900.

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	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather	Hours of Bright Sunshine.	Temp. Max	Temp. Min	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	29.91	6	S	4	b	29.85	−.28	13	11	+ 4	S	2	bc	*	b	*	?	3	004
	Hernösand	29.70	20	Z	0	b	29.86	−.03	9	8	− 18	Z	0	b	*	b	*	30	9	—
	Stockholm	29.84	28	W	2	0	29.97	+.04	25	24	− 6	W	2	b	*	0	*	31	18	0.16
	Wisby	29.86	36	SSW	4	0	30.04	+.05	36	35	+ 5	WNW	4	b	*	0	*	36	23	0.28
	Karlstad	29.83	28	SE	2	0	30.02	+.32	11	10	− 19	NE	2	b	*	0	*	*	*	0.12
	Bodö	29.54	23	E	6	b	29.56	+.08	35	33	+ 11	WSW	4	bc	2	b	*	?	19	—
	Christiansund ...	29.60	36	WSW	8	0	29.72	+.35	38	36	− 3	WSW	8	r	6	0	*	39	34	0.32
	Skudesnaes ...	29.93	38	Z	0	m	30.04	+.37	36	36	− 5	SSE	2	bc	3	m	*	41	36	*
	Færder (X'iania Fjord)	29.82	34	SW	4	c	30.00	+.36	34	33	+ 2	WSW	4	0	3	c	*	34	30	—
	The Scaw (Skagen)	29.92	36	WNW	2	m	30.09	+.38	36	33	+ 1	WSW	3	m	0	m	*	37	30	—
	Fanö	30.13	38	WSW	4	c	30.24	+.35	34	34	− 3	WSW	1	b	*	c	*	37	34	—
British Islands	Sumburgh Head ...	29.73	41	W	4	bc	29.73	+.19	43	42	+ 1	WSW	4	0	5	0.bc	*	45	37	0.19
	Stornoway	29.86	40	W	3	b	29.65	−.07	45	43	+ 5	SW	7	0	7	0,b	0.6	45	36	0.10
	Wick	29.86	39	W	3	bc	29.77	+.08	42	41	+ 4	SW	3	c	2	bc	*	45	34	—
	Nairn	29.93	39	W	3	c	29.81	+.04	42	39	+ 3	SW	3	bc	2	c	*	44	35	—
	Aberdeen	29.99	37	SW	1	b	29.90	+.06	37	36	− 1	S	3	og	2	om.b	1.9	42	33	—
	Leith	30.07	42	WSW	3	0	29.94	+.03	42	39	+ 2	S	1	0	*	0	*	45	38	—
	Shields	30.10	40	SW	1	bm	?	?	36	36	− 3	SSW	2	om	2	om,bm	*	45	33	—
	Spurn Head ...	30.15	38	WSW	3	b	30.18	+.10	36	36	− 3	SSW	3	bc	2	b	*	44	34	—
	Loughborough ...	30.22	34	S	1	b	30.23	+.08	29	29	− 8	SE	1	bcm	*	o.c,bm,f	*	41	24	—
	Malin Head ...	30.05	42	SW	4	bcq	29.77	−.18	40	39	0	SSW	4	r	3	bcq	*	44	38	008
	Blacksod Pt. ...	?30.18	45	SW	3	b	29.67	−.35	48	46	+ 3	SSW	5	rm	5	b	*	48	41	0.28
	Donaghadee ...	30.10	41	Z	0	b	29.95	−.07	43	41	+ 7	SSE	3	0q	4	b	*	45	33	—
	Liverpool (Bidston)	30.21	39	SSW	2	b	30.10	−.03	33	32	− 6	SE	4	b	?	b	*	44	32	—
	Holyhead	30.19	42	W	2	b	30.03	−.09	41	39	− 2	SSW	4	om	3	bc,b	*	46	39	—
	Parsonstown ...	30.18	40	SE	1	bc	?29.93	−.19	47	46	+ 10	SE	1	0	*	bc	4.8	47	34	004
	Valencia	30.20	42	ESE	1	cm	29.83	−.31	53	52	+ 12	S	5	rgm	5	bcm,cm	1.6	53	38	0.29
	Roche's Point ...	30.18	41	NW	1	bc	29.95	−.22	51	51	+ 11	SSW	6	r	4	bc	*	51	38	0.10
	Pembroke (St. Ann's Hd.)	30.21	42	NE	1	bc	30.03	−.13	46	45	+ 3	SE	5	r	4	bc	0.0	46	38	004
	Scilly	30.11	47	ENE	5	m	30.10	−.05	52	52	+ 5	SW	5	o	6	r.m	0.0	52	45	013
	Jersey (St. Aubin's) ...	30.18	50	SW	3	rm	30.24	+.01	51	50	+ 1	WSW	3	rf	3	rm, or	*	52	47	0.76
	Portland Bill ...	30.20	43	NE	1	0	30.19	−.01	46	45	0	SE	4	oma	3	a	*	47	40	0.40
	Dungeness	30.21	43	N	1	r	30.28	+.08	42	41	− 2	S	4	c	3	r	*	47	32	0.15
	London (Brixton) ...	30.19	44	N	1	of	30.23	+.03	32	31	− 12	ESE	1	f	*	om.f	0.0	45	29	—
	Oxford	30.28	33	Z	0	f	30.24	+.04	27	27	− 13	SE	1	bcf	*	0.f	*	42	25	—
	Yarmouth	30.16	40	W	2	b	30.27	+.13	30	29	− 9	S	2	bcm	3	c.b	*	42	30	—
Germany	Cuxhaven	30.17	36	SW	2	0	30.28	+.31	35	34	− 4	SSW	1	0	*	0	*	39	32	0.20
	Berlin	30.23	37	W	4	0	30.30	+.13	35	34	0	W	2	0	*	0	*	39	35	020
	Wiesbaden	*	*	*	*	*	30.37	+.01	35	35	− 1	Z	0	0	*	*	*	37	35	0.47
	Munich	30.37	33	W	4	0	30.37	−.11	36	35	+ 9	W	5	0	*	0	*	36	26	021
France & Netherlands.	The Helder ...																*			
	Brussels	*	*	*	*	*	30.36		34	34		SE	1	f	*	r	*	45	32	0.16
	C. Gris Nez ...	30.19	45	E	1	r	30.27	+.07	41	40	− 3	SE	3	bc	2	r	*	46	39	0.24
	Paris	30.30	46	SSW	1	bc	30.34	−.01	45	45	+ 2	ENE	2	c	*	bc	*	48	43	0.28
	Brest	30.20	50	WSW	5	r	30.25	+.01	52	52	0	WSW	3	m	3	r	*	52	50	0.08
	Lorient	30.28	51	SW	5	0	30.32		52	52		W	4	0	5	0	*	54	50	—
	Rochefort	30.40	48	S	4	0	30.36	−.07	50	48	0	WSW	3	0	*	0	*	52	46	—
	Belfort	30.38	35	WNW	2	m	30.36	−.20	38	36	+ 9	WSW	1	f	*	m	*	39	29	008
	Lyons	30.50	37	SE	1	0	30.47	−.12	35	33	+ 8	E	1	0	*	0	*	40	27	—
	Nice	30.36	43	Z	0	bc	30.24	−.15	41	34	+ 1	E	2	b	1	bc	*	52	37	—
	Perpignan	30.46	44	Z	0	b	30.38	−.11	?38	36	− 7	NW	1	c	*	b	*	60	35	—
	Biarritz	30.42	49	Z	0	bc	30.41	+.02	47	43	+ 8	S	2	c	5	bc	*	55	39	—
Span. Pen.	Corunna														*		*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.08	63	S	6	0	30.02	−.11	61	59	− 1	S	5	0	7	0	*	64	59	—

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

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

Bright Sunshine yesterday Southport 2.1 hrs.

WEATHER CHARTS

FOR Sunday, 21st January, 1900.

BAROMETER, WIND AND SEA.

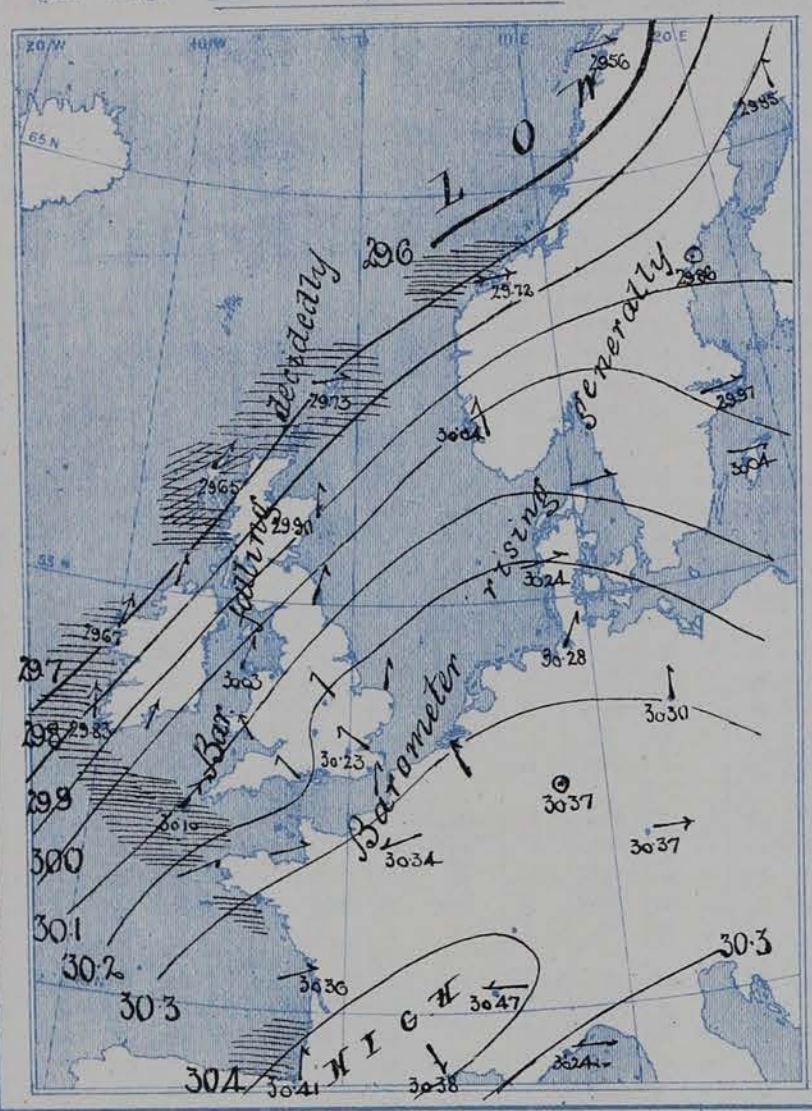
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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 AND 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	14	1881	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 more at Biarritz and Lyons, and exceeding 30·3 in: over France and the greater part of Germany.
Lowest, 29·7 in: and less, off the northwest of Ireland, the northwest of Scotland and the northwest of Norway.
The small depression in the western part of the English Channel filling up.
Gradients rather steep in Ireland and the west of Scotland, slight over France, Germany, and the southeast of England.
Barometer falling fast in the west and north, slowly in the southeast of England.

TEMPERATURE

Highest, 53° at Valencia, 52° at Scilly and on the coasts of Brittany, 48° at Blacklard Point, 45° at Stornoway, 41° at Holyhead; 45° at Paris, 42° at Dunquerque.
Lowest, (1) 11° at Hernosand and Karlstad, 25° at Stockholm; (2) 17° at Oxford, 29° at Loughborough, 32° in London, 35° at Berlin.
A very sharp frost occurred over the south-midlands and southeastern counties of England early this morning.

WIND

Calm or light and Variable over France and Germany; SE 3 and E 1, faint, over the east of England; (2) 5 strong and increasing in Ireland; SW 1, a moderate gale, at Stornoway; WSW in Norway (a gale in places).
In London it is inclined to veer southwards.

WEATHER

Fair over France, Germany, and Sweden, very foggy in the south-midland and eastern counties of England; dull on our western and northern coasts; raining in Ireland and at Christiansund.
Rain has fallen generally in Brittany and the southwest of our Islands (as much as 0·76 in: at Jersey), and rain or snow in Sweden and the W. of Norway.
Bright Sunshine recorded yesterday — none at Pembroke, Scilly or in London, from 0·6 hr at Stornoway to 4·8 hrs at Ponsonetown.

SEA

High in the Minch rather rough on our extreme northwest coasts, rough at Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 22nd JANY 1900

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	NONE ISSUED
↓ 7	ENGLAND N.W.	
8	ENGLAND S.W.	
↓ 9	IRELAND NORTH	
↓ 10	IRELAND SOUTH	
	WARNINGS	At 9·30 am to districts 0, 1, 6, 7, 9, and 10 'Hoist South Cone'

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·81	41	39	WSW	2	o	4
Sumburgh Head	29·68	43	41	WSW	4	o	5
Stornoway... ...	29·81	42	40	WNW	3	o	3
Aberdeen	29·94	41	38	SSW	2	cm	2
Shields	30·07	44	41	SW	2	cm	2
Malin Head ...	30·09	43	41	WSW	5	bc	4
Blacksod Pt.. ...	30·05	48	44	WSW	4	b	*
Holyhead	30·16	46	42	WSW	3	bc	2
Valencia	30·15	48	45	SSE	2	bcm	4
Scilly	30·10	47	47	ENE	4	r	6
Jersey	30·19	51	50	SW	4	or	3
Portland Bill ...	30·20	46	46	NNW	1	orm	2
Dungeness ...	30·20	46	46	SW	1	r	1
London (Westminster)	30·22	46	42	NW	1	om	*
Yarmouth ...	30·16	42	40	WSW	2	c	3
Rochefort ...	30·14	49	46	SSW	4	o	*

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

Weather in morning fair, as a whole over southwestern and southern Europe, rather unsettled over Russia, with snow in several places, fair over the northern parts of the British Islands, unsettled in the south, and in the northwest of France, foggy at Havre. Rain later in the latter districts, - the measurement at Jersey being large, and considerable quantities of rain and snow over northern Europe. Dense fog in London at night.

Temperature very changeable - fallen fast in Ireland. Morning readings highest (1) 54° at Malta, 55° at Algiers, 51° at Brindisi; (2) 50° at Rochefort and Jersey, 47° at Scilly; lowest 1° F. to 10° over the greater part of Russia, 18° at Warsaw, 27° at Munich, 29° at Breslau; (2) 37° at Parsonstown and Loughborough, 39° at Liverpool, Shields and Shorn Hd. Exceeding 50° on the south coast of Ireland during the day, but falling at night to 25° at Oxford, 29° in London and 30° at Yarmouth.

Wind moderate to fresh from WSW. at our northern stations, SW^{3} to S^{3} over the countries lying to the eastwards of the North Sea, but SE^{3} at Scilly, NW^{3} at Roches Point. Light and anticyclonic over France, Spain, and Hungary. Becoming E^{3} for a short time at our southern stations later.

Barometer highest (1) 30·6 in: and more to 30·4 in: over the northeast of Russia and also over Spain; (2) 30·5 in: and more in anticyclones over Austria and the southern half of France. Lowest (1) 29·4 in: and less to 29·6 in: over the Shetlands and the northwest of Norway; (2) about 30·1 in: in a minute depression lying a little to the westward of the Scilly Isles; (3) a depression near Malta. The larger northern disturbance filling up later; the latter small system moving eastwards into the English Channel.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 22nd January, 1900.

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	20	S	2	0	29.62	-.23	22	22	+ 9	SSE	4	0	*	0	*	22	5	—
	Hernösand	29.80	7	E	0	6	29.50	-.36	33	30	+ 24	S	6	0	*	6	*	33	5	—
	Stockholm	30.00	32	W	2	0	29.71	-.26	38	32	+ 8	S	4	0	*	0	*	33	23	—
	Wisby	30.04	34	W	4	6	29.79	-.25	34	33	- 2	S	8	0	*	6	*	36	30	—
	Karlstad	29.96	33	NE	4	0	29.55	-.47	32	32	+ 21	S	4	S	*	0	*	*	*	0.024
	Bodö	29.45	35	E	4	6	29.08	-.48	36	32	+ 1	SE	4	0	1	6	*	36	30	—
	Christiansund ...	29.46	40	WSW	3	0	29.12	-.60	41	35	+ 3	WSW	8	c	5	0	*	43	37	—
	Skudesnaes ...	29.68	38	S	6	r	29.47	-.57	38	37	+ 2	SSW	4	0	4	r	*	38	34	*
	Færder (X'iania Fjord)	29.91	36	SW	4	0	29.45	-.55	34	33	0	SW	2	0	3	0	*	36	32	0.04
	The Scaw (Skagen)	29.93	36	SSW	3	f	29.49	-.60	35	35	- 1	SW	2	f	0	f	*	36	34	0.08
	Fanö	29.94	32	SSE	6	0	29.67	-.57	38	37	+ 4	W	4	c	*	0	*	38	32	—
	Sumburgh Head ...	29.31	44	SSW	5	r	29.11	-.62	42	41	- 1	WSW	4	r	5	0,r	*	44	36	0.38
	Stornoway	29.49	42	WNW	5	cu	29.16	-.49	48	47	+ 3	WSW	8	r	8	0,cu	0.0	48	38	0.40
	Wick	29.49	40	S	4	c	29.21	-.56	41	40	- 1	S	5	r	4	c	*	46	40	0.08
	Nairn	29.53	42	W	3	c	29.31	-.50	43	43	+ 1	W	4	r	3	c	*	43	37	0.09
	Aberdeen	29.55	35	SSW	3	b	29.43	-.47	41	39	+ 4	SW	5	ogg	4	ogg.b	0.0	41	34	0.01
	Leith	29.55	39	NW	0	0	29.55	-.39	43	41	+ 1	SW	4	0	*	0	*	45	38	0.12
	Shields	29.61	39	SSW	1	0	29.76	?	43	41	+ 7	SSW	3	0	2	r.o	*	48	35	0.05
	Spurn Head ...	29.78	38	S	5	r	29.90	-.28	41	40	+ 5	SW	4	0	3	rm	*	47	35	0.18
	Loughborough ...	29.85	48	SSW	4	r	29.99	-.24	42	40	+ 18	WSW	5	ogg	*	e.rq.c.o	*	50	29	0.25
	Malin Head ...	29.72	45	W	5	oq	29.57	-.20	48	47	+ 8	W	8	df	6	o,rq	*	48	40	0.23
British Islands.	Blacksod Pt. ...	29.89	47	WNW	4	bc	? 29.76	+.09	50	47	+ 2	WNW	6	oq	5	bc	*	50	44	0.02
	Donaghadee ...	29.75	48	WNW	2	0	29.77	-.18	45	44	+ 2	WNW	5	rq	5	or	*	51	37	0.24
	Liverpool (Bidston)	29.82	46	SE	5	r	29.93	-.17	44	41	+ 11	SW	3	o	3	or	*	49	33	0.29
	Holyhead	29.79	50	W	5	cp	29.95	-.08	46	44	+ 5	WSW	6	ou	4	df.cp	*	50	39	0.20
	Parsonstown ...	29.93	47	WNW	1	c	29.97	+.04	47	45	0	W	1	o	*	o.c	0.0	52	40	0.23
	Valencia	30.04	39	WNW	3	cq	30.14	+.31	50	47	- 3	SW	6	om	5	o.c	2.0	53	47	0.15
	Roche's Point ...	29.98	50	NW	5	c	30.16	+.21	49	46	- 2	WNW	5	bc	4	c	*	54	42	0.08
	Pembroke (St. Ann's Hd.)	29.91	50	WNW	6	m	30.10	+.05	48	46	+ 2	W	6	cq	5	om	0.0	50	45	0.16
	Scilly	29.99	53	SW	6	m	30.21	+.11	49	47	- 3	WSW	6	c	5	r.m	0.0	54	47	0.14
	Jersey (St. Aybin's) ...	30.14	50	WSW	4	omr	30.27	+.03	46	45	- 5	NW	3	cm	3	orm	*	53	45	0.29
	Portland Bill ...	30.03	50	WSW	5	or	30.19	.00	47	45	+ 1	W	3	o	3	o	*	50	44	0.20
	Dungeness	30.02	49	WSW	5	r	30.12	-.16	44	43	+ 2	W	3	o	2	r	*	49	40	0.18
	London (Brixton) ...	29.97	52	SW	4	oap	30.10	-.13	43	42	+ 11	W	3	o	*	o,r.b	0.0	52	32	0.24
	Oxford	29.91	50	S	3	r	30.09	-.15	43	40	+ 16	SSW	2	o	*	or	*	51	26	0.15
	Yarmouth	29.93	42	SSW	4	oq	29.98	-.29	42	40	+ 12	WSW	3	cqm	3	c.oq	*	44	38	0.27
France & Netherlands. Germany.	Cuxhaven	30.19	34	S	4	0	29.77	-.51	39	39	+ 4	W	4	o	*	o,p	*	41	34	0.24
	Berlin	30.34	33	SW	2	0	29.86	-.44	36	35	+ 1	SW	4	r	*	o	*	37	30	0.16
	Wiesbaden	*	*	*	*	*	30.04	-.33	42	41	+ 7	SW	1	f	*	*	*	?	35	0.39
	Munich	30.37	34	N	0	0	30.15	-.22	38	38	+ 2	SW	4	r	*	o	*	38	32	0.16
	The Helder ...																*			
	Brussels	*	*	*	*	*	30.09	-.27	44	43	+ 10	W	2	o	*	r	*	49	33	0.35
	C. Gris Nez ...	30.04	45	WSW	5	f	30.10	-.17	45	45	+ 4	W	3	o	4	f	*	48	41	0.43
	Paris	30.23	51	SSW	2	m	30.20	-.14	50	49	+ 5	SW	2	c	*	f	*	51	45	0.20
	Brest	30.17	51	SW	4	o	30.28	+.03	50	48	- 2	NW	2	o	3	o	*	52	48	0.28
	Lorient	30.25	51	WSW	5	o	30.32	.00	49	49	- 3	N	3	o	5	o	*	54	48	0.12
	Rochefort	30.35	51	WSW	3	o	30.32	-.04	52	50	+ 2	W	3	o	*	o	*	52	48	0.08
	Belfort	30.39	40	N	0	f	30.26	-.10	43	43	+ 5	W	4	r	*	f	*	43	38	0.24
	Lyons	30.41	42	NW	1	f	30.38	-.09	40	40	+ 5	SE	1	f	*	f	*	46	35	0.04
	Nice	30.24	44	N	0	b	30.17	+.13	45	44	+ 4	N	0	c	*	b	*	54	41	—
	Perpignan	30.35	54	N	0	bc	30.34	-.04	52	43	+ 5	NW	3	o	*	bc	*	63	47	—
	Biarritz	30.35	48	N	0	c	30.39	-.02	50	45	+ 3	S	2	c	3	c	*	55	43	—
Span. Pen.	Corunna																*			
	Lisbon	30.52	51	NW	3	b	30.53		45	45		N	0	f	*	b	*	54	45	—
	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 hrs.

WEATHER CHARTS

FOR Monday, 22nd January, 1900.

BAROMETER, WIND AND SEA.

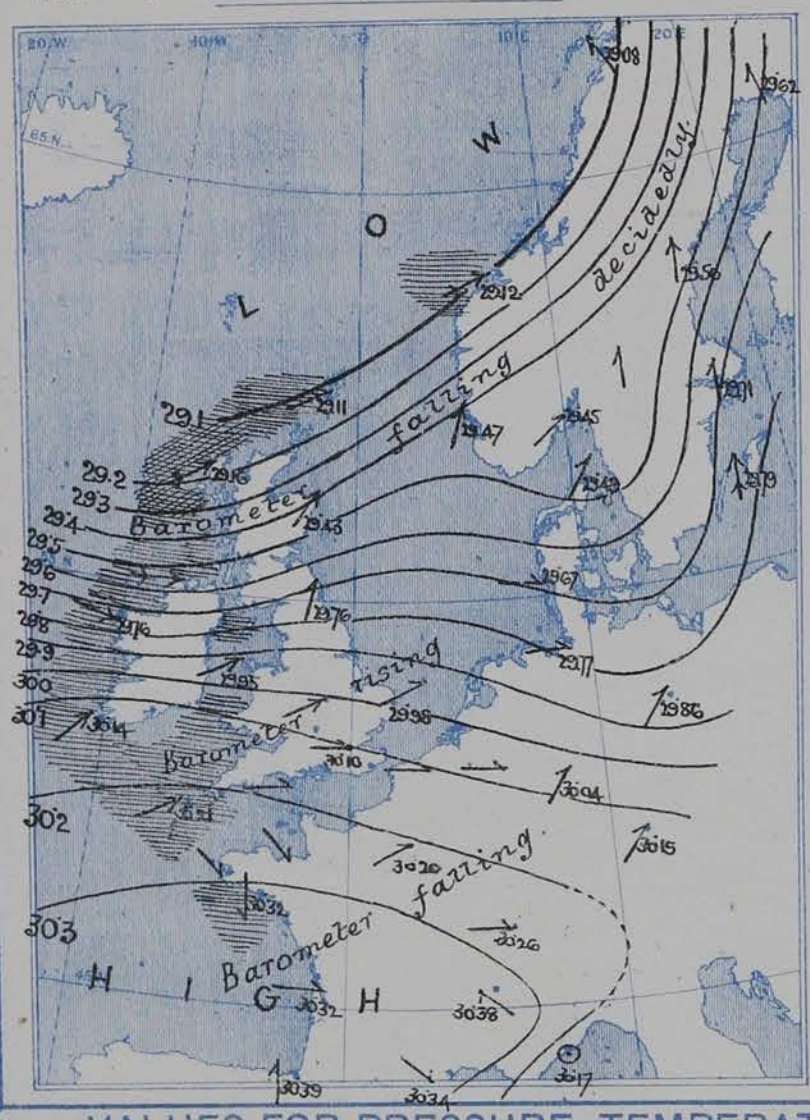
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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*

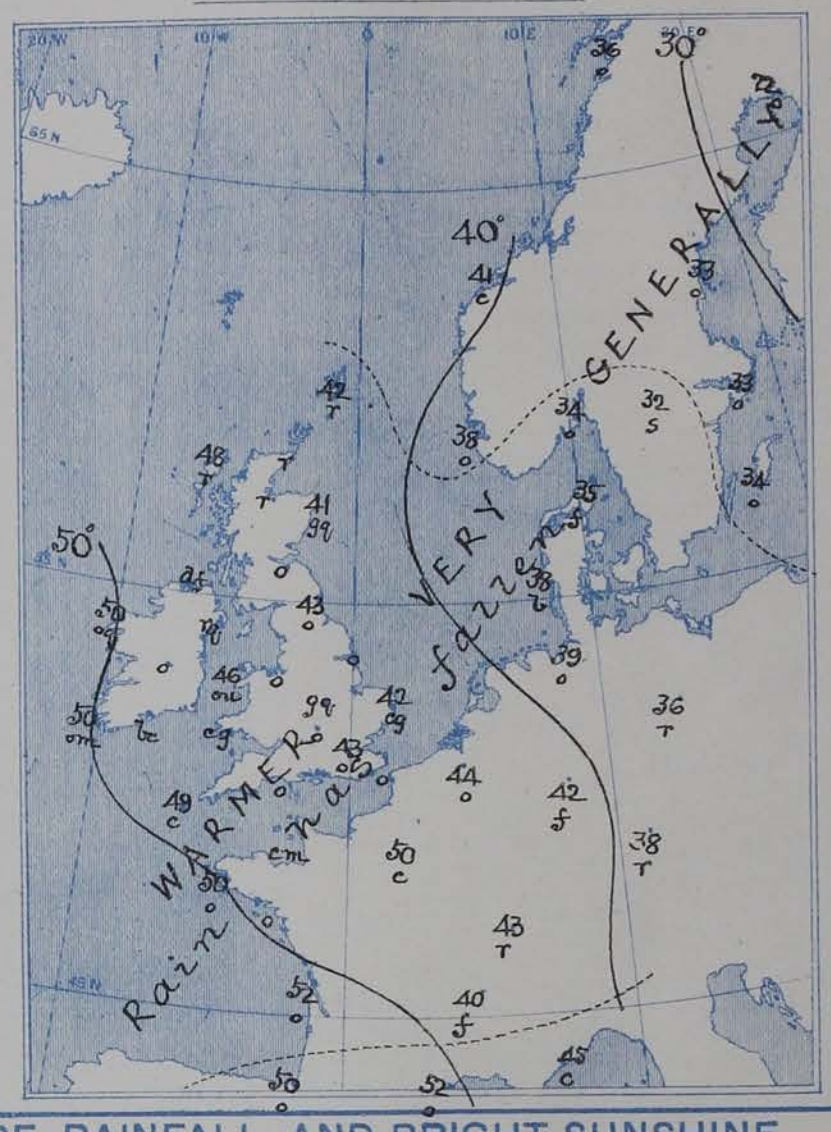


TEMPERATURE AND WEATHER.

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	14	1881	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	29·950	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 in: and more to 30·1 in: over France and the southern parts of our Islands; 29·8 in: and more over the Baltic Provinces.
Lowest, 29·08 in: at Bodö, and below 29·2 in: in the Shetlands, Hebrides and the extreme north of Scotland.
Gradients very steep over our northern districts.
Barometer falling decidedly in the north, beginning to fall again at Valencia.

TEMPERATURE

Highest, 52° at Rochefort and Perpignan, 50° at Biarritz, Brest, and Valencia, 48° at Malin Head and Stornoway.
Lowest, (1) 22° at Haparanda, 32° at Karlstad, 33° at Stockholm, (2) 36° at Berlin, 38° at Munich, 39° at Cuxhaven.
It rose during yesterday to between 50° and 54° in many parts of Ireland and England and to 54° at Lorient.

WIND

W. or SW. all over our Islands and their neighbourhood and varies from a strong breeze to a moderate or fresh gale on our west and northwest coasts and in the west of Norway.
Last evening it blew a gale for a short time at Liverpool.

WEATHER

In a dull, changeable and very unsettled condition generally, with rain at many of our northern and northwestern stations, fog and rain in several parts of France.
Rainfall (not in large quantity) was measured this morning at all the Irish, British, and French stations.
Of Bright Sunshine the only amount reported was 0·8 hour at Llandudno.

SEA

High in the northwest, rough off our western coasts, slight in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Everything points to the occurrence of very rough (windy and rainy) weather over our Islands generally during the next two or three days and our western and northern coasts have all been warned.

FORECASTS

For the 24 hours ending at NOON on 23rd JANUARY, 1900

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
⚠ 0 SCOTLAND NORTH	W. and SW. winds, very strong and squally at times; occasional rain. Temperature high but unsteady.	⚠ 6 SCOTLAND WEST	W. and SW. winds, very strong and squally at times; occasional rain. Temperature high but unsteady.
⚠ 1 SCOTLAND EAST		⚠ 7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		⚠ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		⚠ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The SOUTH CONE is still flying in districts 0, 1, 6, 7, 9, and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.97	37	37	S	4	m	3
Sumburgh Head	29.49	43	40	SSW	4	0	5
Stornoway... ...							
Aberdeen							
Shields							
Malin Head ...	29.63	46	45	W	4	0	2
Blacksod Pt.. ...							*
Holyhead	29.77	50	50	SW	6	af	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly	30.07	53	53	SW	6	r	5
Jersey	30.21	53	52	SW	3	0	3
Portland Bill ...							
Dungeness ...	30.11	46	46	S	4	r	5
London (Westminster)							*
Yarmouth ...	30.07	44	40	S	4	c	3
Rochefort ...	30.39	52	50	W	3	f	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 14TH TO THE 20TH JAN: 1900.

At the commencement of this week pressure was high (30·8 in: and more to 30·5 in:) over Russia, and was less high (30·45 in:) at the Azores, and 30·2 in: to 30·0 in: over the Peninsula. The depressions which appeared off our northwestern and northern coasts brought comparatively little wind, but frequent rain, which the secondaries by which they were accompanied caused to spread, almost daily, over England and Ireland. In the intervals the temperature fell considerably and on Wednesday night they developed into a complex "hollow" over the North Sea, having one minima of 29·4 in: and less to 29·5 in: over the Shetlands and another (29·5 in:) over the southern part of the North Sea.

The Russian anticyclone was now receding in a northeasterly direction, but the Atlantic one was increasing and spreading over Spain (Bar: 30·6 in: at Lisbon on Thursday evening), and, as after this both the northeastern and southwestern systems began to give way a little, the depressions which came over our western and northern districts became deeper, and the general appearance in the British Islands more favourable for milder, stronger winds and increasing rain. On Saturday night dense fogs were recorded in London.

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 23rd January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. 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	29.19	30	ESE	4	s	28.72	−.90	30	30	+ 8	SSE	8	s	*	s	*	30	19	0.12
	Hernösand	29.10	32	SW	4	o	28.60	−.90	35	32	+ 2	SW	2	o	*	o	*	35	3	0.12
	Stockholm	29.39	33	S	2	o	28.92	−.79	40	38	+ 7	SSW	6	o	*	o	*	40	30	0.12
	Wisby	29.53	34	S	4	o	29.12	−.67	38	37	+ 4	SSW	8	o	*	o	*	38	30	0.32
	Karlstad	29.24	35	WSW	8	r	28.88	−.67	39	36	+ 7	SW	6	b	*	r	*	*	*	0.04
	Bodö	28.76	33	ESE	6	o	28.43	−.65	33	30	− 3	E	2	o	1	o	*	36	30	—
	Christiansund ...	28.56	42	WSW	9	r	28.54	−.58	39	36	− 2	W	9	r	6	r	*	43	34	0.28
	Skudesnaes ...	29.17	44	SSW	6	o	29.16	−.31	43	39	+ 5	W	8	c	5	r.o	*	45	37	*
	Færder (Christiania Fjord)	29.14	37	S	7	o	28.93	−.52	39	38	+ 5	SW	8	b	4	o	*	39	32	—
	The Scaw (Skagen)	29.34	37	WSW	4	r	29.16	−.33	43	42	+ 8	NW	6	m	2	r	*	43	34	0.04
	Fanö	29.57	39	WSW	5	o	29.56	−.11	41	41	+ 3	W	6	c	*	o	*	41	37	—
British Islands	Sumburgh Head ...	28.99	47	W	5	o	29.19	+.08	42	38	0	WNW	9	o	8	c.o	*	49	36	0.15
	Stornoway	29.30	51	WNW	9	o	29.61	+.45	45	43	− 3	WNW	5	bc	5	rq.o	0.0	52	40	0.35
	Wick	29.24	46	WNW	8	o	29.43	+.22	42	41	+ 1	NW	8	bc	5	o	*	52	40	0.10
	Nairn	29.36	52	W	5	c	29.59	+.28	48	46	+ 5	NW	5	c	3	c	*	52	41	0.15
	Aberdeen	29.36	52	WSW	7	bq	29.58	+.15	49	44	+ 8	W	5	bcq	3	bc.bq	1.7	55	41	—
	Leith	29.52	50	WSW	6	bc	29.65	+.10	51	49	+ 8	WSW	4	bc	*	bc	*	53	39	—
	Shields	29.67	50	WSW	4	c	29.76	.00	51	50	+ 8	WSW	4	o	2	o.c	*	52	41	—
	Spurn Head ...	29.79	46	WSW	6	o	29.92	+.02	48	47	+ 7	WSW	5	o	4	oq	*	49	40	—
	Loughborough ...	30.08	49	WSW	3	o	30.05	+.06	49	46	+ 7	WSW	3	o	*	cgp.oq	*	50	42	0.01
	Malin Head ...	29.71	49	W	7	fa	29.86	+.29	48	48	0	W	5	fa	5	fa	*	49	47	0.06
	Blacksod Pt. ...	29.91	51	W	6	omq	29.99	+.13	50	49	0	WSW	4	om	4	ogm	*	52	48	0.01
	Donaghadee ...	29.76	52	WNW	6	oqu	29.99	+.22	50	50	+ 5	WNW	4	o	4	o	*	52	43	0.08
	Liverpool (Bidston)	29.88	47	SW	8	o	30.00	+.07	48	46	+ 4	SW	7	bc	6	p.o	*	50	44	0.06
	Holyhead	29.93	50	W	6	b	30.05	+.10	49	47	+ 3	WSW	6	bc	3	omp.b	*	50	44	0.01
	Parsonstown ...	30.02	50	W	2	o	30.08	+.11	49	48	+ 2	SE	1	o	*	o	0.0	50	47	—
	Valencia	30.19	50	WSW	4	om	30.15	+.01	49	49	− 1	SW	2	oma	4	om	0.0	51	49	0.04
	Roche's Point ...	30.14	52	WNW	4	c	30.18	+.02	49	48	0	WSW	3	o	3	c	*	54	46	—
	Pembroke (St. Ann's Hd.)	30.11	50	W	6	o	30.15	+.05	49	48	+ 1	W	5	c	4	o	0.0	50	48	—
	Scilly	30.22	51	W	6	cm	30.21	.00	49	48	0	W	5	omp	4	c.cm	2.7	52	47	0.02
	Jersey (St. Aubin's) ...	30.26	49	W	5	cg	30.28	+.01	50	48	+ 4	W	4	om	3	cg	*	52	45	—
	Portland Bill ...	30.18	48	WNW	4	c	30.18	−.01	48	47	+ 1	WNW	3	c	3	c	*	49	45	—
	Dungeness	30.04	46	W	4	c	30.12	.00	46	45	+ 2	W	4	c	2	o.c	*	49	43	—
	London (Brixton) ...	30.07	49	WNW	5	o	30.12	+.02	48	46	+ 5	W	3	c	3	o.b	0.0	49	43	—
	Oxford	30.10	48	WSW	3	o	30.13	+.04	46	45	+ 3	SW	2	o	*	oq	*	49	42	—
	Yarmouth	29.89	48	W	5	oq	29.98	.00	48	46	+ 6	W	3	c	3	o.oq	*	48	40	0.03
Germany	Cuxhaven	29.78	40	WSW	5	o	29.73	−.04	43	43	+ 4	W	6	o	*	o	*	43	37	0.16
	Berlin	29.91	40	W	3	o	29.77	−.09	44	43	+ 8	W	4	r	*	o	*	45	36	0.16
	Wiesbaden	*	*	*	*	*	30.11	+.07	47	45	+ 5	SW	3	o	*	*	*	48	42	—
	Munich	30.02	41	W	6	r	30.19	+.04	38	38	0	W	6	o	*	r	*	45	37	0.04
France & Netherlands	The Helder ...	29.84	45	SW	4	o	29.91		46	44		SW	5	bc	5	o	*	46	41	—
	Brussels	*	*	*	*	*	30.13	+.04	46	45	+ 2	W	4	o	*	o	*	47	43	—
	C. Gris Nez ...	30.06	46	W	5	o	30.11	+.01	46	45	+ 1	W	4	o	4	o	*	48	39	—
	Paris	30.23	48	SW	2	bc	30.28	+.08	46	45	− 4	?	?	m	*	bc	*	54	32	—
	Brest	30.36	50	WNW	3	c	30.36	+.08	49	48	− 1	W	3	c	3	c	*	50	48	—
	Lorient	30.32	48	NW	4	c	30.34	+.02	48	48	− 1	NW	4	o	4	c	*	52	46	—
	Rochefort	30.37	48	NNW	3	f	30.40	+.08	47	46	− 5	W	2	m	*	f	*	54	45	0.04
	Belfort	30.27	46	SW	5	f	30.31	+.05	42	41	− 1	?	?	o	*	f	*	46	41	0.08
	Lyons														*		*			
	Nice	30.09	46	SW	1	c	30.09	−.08	43	39	− 2	Z	o	bc	2	c	*	54	41	—
	Perpignan	30.20	60	NW	4	o	30.25	−.09	56	51	+ 4	NW	4	*	*	o	*	62	52	—
	Biarritz	30.42	52	SW	4	r	30.39	.00	54	53	+ 4	WSW	3	r	3	r	*	55	50	0.12
Span. Pen.	Corunna																*			
	Lisbon	30.46	55	WNW	3	bc	30.45	−.08	46	46	+ 1	NE	2	f	*	bc	*	59	45	—
	Azores (P. Delgada)	30.35	58	SW	3	c	30.34	+.04	58	57	+ 2	SW	1	o	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Tuesday, 23rd January, 1900.

BAROMETER, WIND AND SEA.

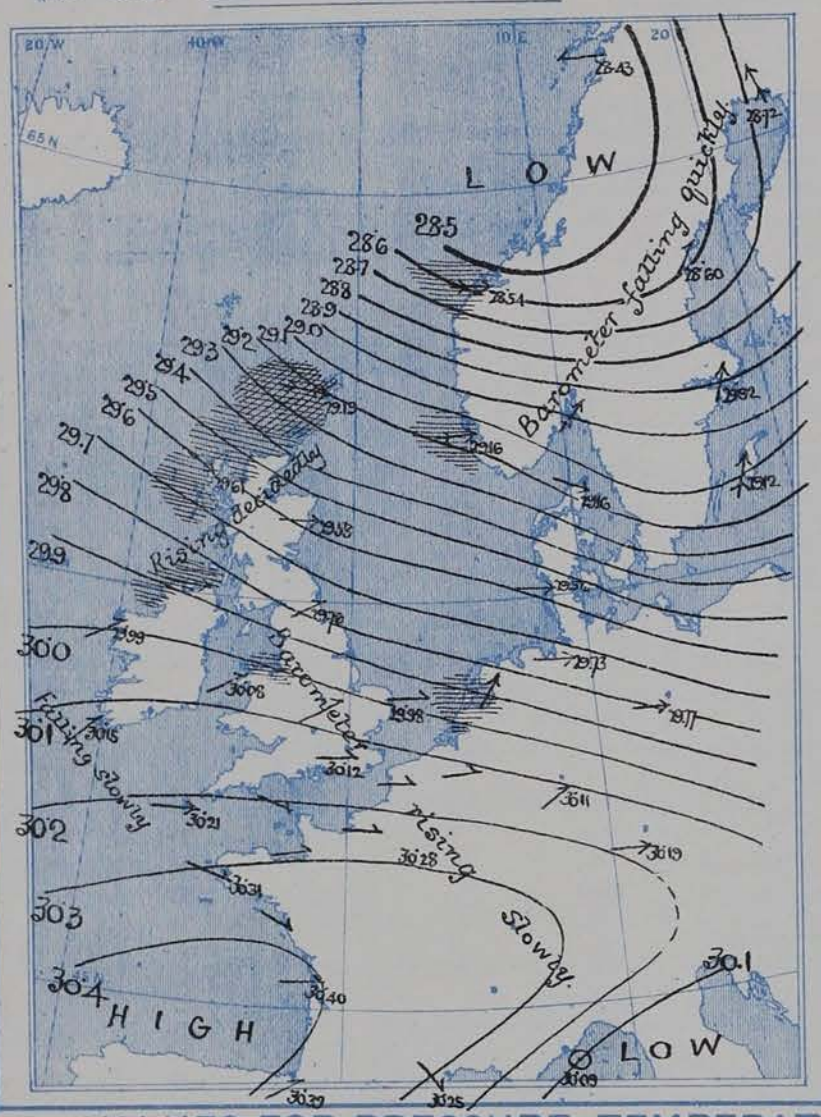
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

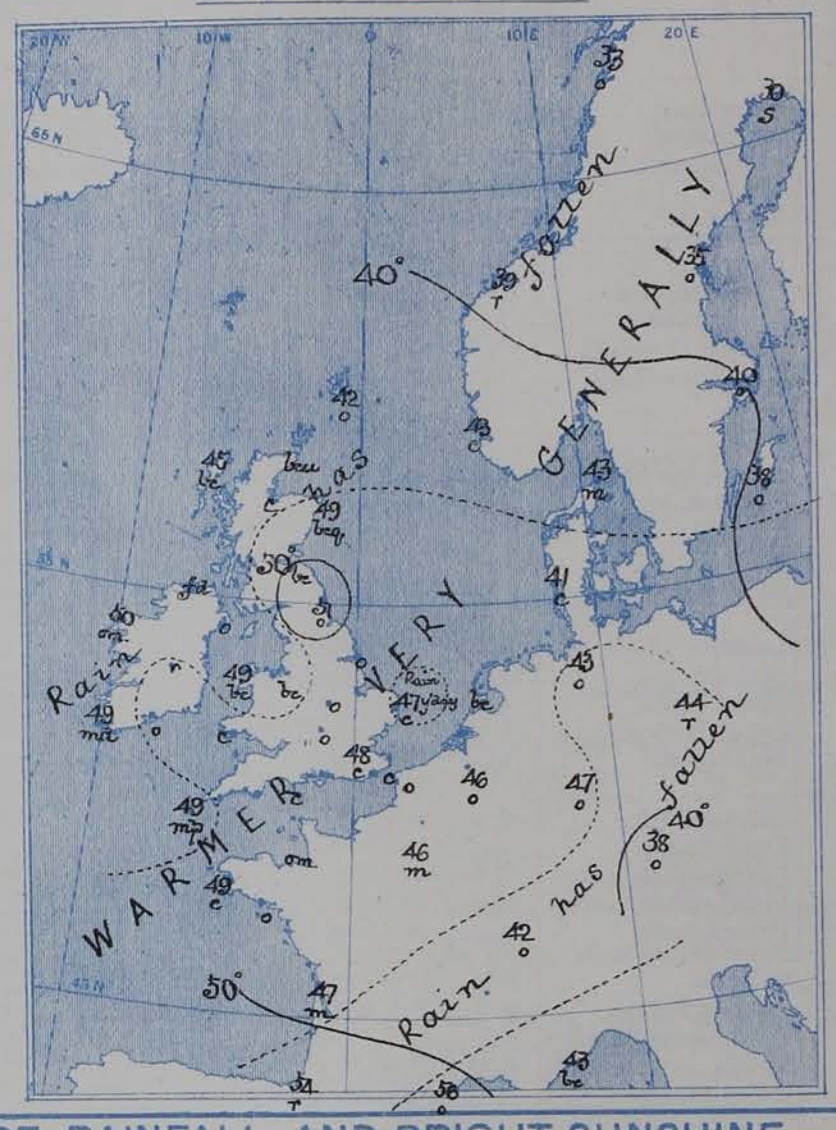


TEMPERATURE AND WEATHER.

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	14	1881	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	29·950	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 the S.W. parts of the Bay of Biscay.
Lowest 28.5 ins. and less in a large and deep depression, with its centre off the N.W. parts of the Norwegian coasts.
Gradients steep over all the more N.W. parts of our area, slight in the S.
Barometer rising in most parts of our Islands and France, but falling slightly on our extreme S.W. coasts; falling in Scandinavia, Denmark & N. Germany.

TEMPERATURE

Highest (1) 56° at Perpignan, and 54° at Biarritz; (2) 51° at Leith and Shields, and 50° at Blackrod Point, Donaghadee and Scilly.
Lowest 35° at Haparanda, 33° at Bodo, and 38° at Stockholm and Munich; lowest in our Islands 42° at Sumburgh H. and Wick.
During yesterday the thermometer rose to 50° and upwards in all the more W. and N.W. parts of the United Kingdom, & to 55° at Aberdeen.

WIND

Light to fresh from the W.ly or S.W.ly over the greater part of our Islands, the Netherlands & Germany.
Strong to a gale from the N.W.ly in the north of Scotland, from the W.ly on the eastern shores of the North Sea and from the S.W.ly or S.ly in Sweden.
Light from the N.W.ly in the west and south of France.

WEATHER

Fair in most parts of Gt. Britain, but dull in Ireland, with mist or fog and drizzling rain at Malin H. and Valencia.
Dull at most of the Continental stations, with rain at Christiansund, Berlin and Biarritz, and snow at Haparanda; fine in the S. of Norway.
Slight rain fell yesterday at several of our W.ly and extreme N.W. stations.

SEA

Very high at Sumburgh H., and rough or rather so on many parts of our N. and NW. coasts, as well as off the W. of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which lay yesterday off our N.W. coasts is travelling away to the N.E.ly, and the barometer is rising in most parts of the United Kingdom. A slight fall is, however, reported in the S.W., with backing winds, so that further disturbances are probably advancing from the W.ly.

FORECASTS

For the 24 hours ending at NOON on 24TH JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.ly to S.W.ly or S.ly winds; 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	W.ly to S.W.ly winds, freshening; fair at first, some rain later.
6	SCOTLAND WEST	W.ly to S.W.ly winds, increasing in force; fair at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	S.ly and S.W.ly winds, increasing in force; dull, & squally, 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.28	40	39	SSW	6	r	4
Sumburgh Head	28.88	48	46	W	5	c	6
Stornoway... ...	29.24	51	50	WNW	8	r	8
Aberdeen	29.29	54	49	WSW	6	bcq	4
Shields	29.61	51	48	SW	5	o	2
Malin Head ...	29.63	49	48	W	7	fa.	6
Blacksod Pt.. ...	29.88	51	50	W	7	ogm	6
Holyhead	29.94	50	48	WSW	6	opw	5
Valencia	30.16	51	49	SW	6	cm	6
Scilly	30.24	50	49	WSW	6	c	4
Jersey	30.28	51	48	W	5	c	4
Portland Bill ...	30.15	48	47	WNW	5	c	5
Dungeness ...	30.04	48	46	W	5	o	5
London (Westminster)	30.03	51	46	W	4	o	*
Yarmouth ...	29.90	45	43	WSW	3	o	3
Rochefort ...	30.28	54	50	NW	3	f	*

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

Weather in morning dull over our Islands and the Continent generally, with rain in the N^rn. parts of Ireland and Scotland, as well as in some parts of Germany and central France, and snow at Karlstad and Archangel; foggy in Denmark and Austria. Fine at several of the Mediterranean stations. Rain falling later in the W and extreme N. of our Islands generally and also in Scandinavia, but amounts mostly slig.

Temperature risen over W^rn. and N^rn. Europe generally, rapidly in Sweden, but fallen elsewhere. Morning readings highest (1) 56° at Malta, 54° at Algiers, and 53° at Barcelona; (2) 50° at Blacksod Point and Valencia (Ireland), above 45° in the W^rn. parts of our Islands generally. Lowest 10° at Archangel, 19° at Haparanda and Moscow, and 22° at Haparanda and Buda Pesth; below the freezing point in most parts of Sweden, Russia and Austria. Rising during day to 50° and upwards over the W^rn. and N^rn. parts of our Islands generally and also in the W. of France, and reaching 55° at Aberdeen.

Wind W^ly. or SW^ly. over our Islands, the Netherlands, Germany, Denmark and Norway, strong to a gale in force on our extreme northwest coasts, and also in the west of Norway. S^ly. over Sweden and northern Russia, with a gale at Wisby. Variable over France and the Spanish Peninsula, N^ly. in Italy, calm in Austria. Subsequently veering to the N^wd. of W. on all but our more western and northern coasts, and increasing to a strong gale in Scotland.

Barometer highest 30.5 ins. to 30.2 ins. in an anticyclone lying over the Spanish Peninsula, Algeria, France and the W^rn. parts of the English Channel, 30.4 ins. to 30.2 ins. in another system over Russia and Austria. Lowest 29.1 ins. and less in a large depression lying to the N^wd. of our Islands (gradients steep or rather so over NW^rn. Europe generally). Depression subsequently moving E^wd. or NE^wd., and barometer rising in the W. and N. of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 24th January, 1900.

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	28·57	32	S	0	0	28·88	+·16	28	28	− 2	N	2	0	•	0	•	32	28	0·12
	Hernösand	28·78	36	SW	8	b	29·14	+·34	36	32	+ 1	W	6	b	•	b	•	37	27	–
	Stockholm	29·03	37	W	6	b	29·36	+·44	38	30	− 7	W	4	b	•	b	•	41	32	–
	Wisby	29·15	38	NW	8	b	29·47	+·35	36	32	− 2	NW	8	b	•	b	•	41	32	–
	Karlstad	29·25	37	NW	6	b	29·53	+·65	32	28	− 7	W	4	b	•	b	•	•	•	–
	Bodö	28·73	36	W	5	m	29·08	+·65	38	35	+ 5	WSW	4	0	2	m	•	38	30	–
	Christiansund ...	29·20	40	W	9	r	29·45	+·91	38	36	− 1	WSW	8	r	7	r	•	40	34	0·24
	Skudesnaes ...	29·62	38	W	6	0	29·66	+·50	38	37	− 5	S	0	0	3	b,0	•	43	37	•
	Færder (X'iania Fjord)	29·36	38	W	6	b	29·57	+·64	34	32	− 5	WSW	4	0	3	b	•	39	34	–
	The Scaw (Skagen)	29·49	39	NW	5	b	29·65	+·49	38	37	− 5	NW	4	m	1	b	•	43	37	–
	Fanö	29·84	38	W	4	b	29·83	+·27	37	37	− 4	WSW	2	c	•	b	•	41	36	–
British Islands	Sumburgh Head ...	29·57	42	WNW	3	0	29·42	+·23	46	46	+ 4	WSW	2	0	5	0	•	47	36	0·13
	Stornoway	29·70	45	W	3	0	29·36	−·25	47	45	+ 2	SSW	5	0	5	0	0·1	47	42	0·05
	Wick	29·72	42	NW	3	c	29·39	−·04	44	43	+ 2	SW	2	bc	2	c	•	46	39	0·02
	Nairn	29·77	44	W	1	c	29·46	−·13	47	45	− 1	W	2	0	1	c	•	54	43	–
	Aberdeen	29·82	43	W	1	0g	29·50	−·08	44	42	− 5	SSW	3	c	2	c, 0g	2·0	51	41	–
	Leith	29·85	52	WSW	3	0	29·57	−·08	46	44	− 5	WSW	1	cm	•	0	•	54	45	–
	Shields	29·90	50	WSW	5	0	29·65	−·11	45	44	− 6	SW	3	c	2	c.0	•	58	43	–
	Spurn Head ...	29·75	48	W	4	0	29·74	−·18	45	45	− 3	SSW	3	c	3	0	•	49	43	–
	Loughborough ...	30·06	50	WSW	2	0	29·78	−·27	44	43	− 5	S	2	cgmd	•	0,c.0	•	58	44	–
	Malin Head ...	29·86	47	SW	4	0f	29·41	−·45	46	45	− 2	SSW	5	0g	4	0f	*	48	44	0·02
	Blacksod Pt. ...	29·91	48	SW	4	c	29·56	−·43	45	44	− 5	WNW	7	qmr	6	dm.cm	*	50	44	0·19
	Donaghadee ...	29·94	50	W	3	0	29·58	−·41	45	44	− 5	W	5	c	3	0g	*	52	41	–
	Liverpool (Bidston)	30·03	48	SW	1	0	29·67	−·33	45	44	− 3	SE	2	0	3	0g	*	51	43	0·04
	Holyhead	30·03	49	WSW	3	0gm	29·63	−·42	48	48	− 1	SSW	3	2f	2	cm.0gm	*	50	45	0·03
	Parsonstown ...	29·98	49	SW	1	0	29·58	−·50	50	49	+ 1	SW	2	r	*	0	0·2	50	41	0·07
	Valencia	30·00	48	SSE	2	0	29·77	−·38	48	44	− 1	W	7	0gmr	6	c.p,0	0·1	50	45	0·40
	Roche's Point ...	30·05	48	NW	4	rm	29·73	−·45	50	48	+ 1	NW	5	bc	4	m.r.p	*	51	47	0·35
	Pembroke (St. Ann's Hd.)	30·11	48	NW	4	c	29·73	−·42	50	50	+ 1	WSW	6	f	5	c.f.a	0·0	50	46	0·22
	Scilly	30·13	49	SW	4	0pm	29·84	−·37	52	51	+ 3	WSW	7	0p	5	cf.0pm	0·0	52	48	0·11
	Jersey (St. Aubin's) ...	30·23	49	SW	4	0ap	29·95	−·33	51	50	+ 1	SSW	4	0a	3	0ap	*	51	47	0·01
	Portland Bill ...	30·17	48	NW	3	0	29·85	−·33	50	50	+ 2	SSW	4	0rf	4	0	*	50	45	0·17
	Dungeness	30·12	47	W	3	0	29·93	−·19	47	46	+ 1	WSW	4	0	3	0	*	49	45	0·02
	London (Brixton) ...	30·12	50	W	2	0	29·83	−·29	47	46	− 1	SW	4	or	•	c.0	0·0	52	45	0·03
	Oxford	30·11	47	SW	3	0	29·81	−·32	47	46	+ 1	S	3	0g	*	c.0	*	53	45	0·01
	Yarmouth	30·03	49	W	3	c	29·82	−·16	45	43	− 3	SW	3	cg	3	c	*	50	43	–
France & Netherlands. Germany.	Cuxhaven	29·83	43	W	6	0	29·86	+·13	42	41	− 1	W	1	f	•	0	*	45	39	–
	Berlin	29·85	47	W	5	r	29·92	+·15	44	43	0	W	3	0	•	r	*	46	43	0·08
	Wiesbaden	•	•	•	•	•	30·00	−·02	45	43	− 2	SW	3	0	•	•	*	48	45	–
	Munich	30·22	42	W	6	b	30·15	−·04	37	37	− 1	SW	3	0	•	b	*	45	36	–
	The Helder ...																•			
	Brussels	•	•	•	•	•	30·02	−·11	43	42	− 3	SW	3	0	•	0	*	48	42	–
	C. Gris Nez ...	30·15	47	W	4	0	29·97	−·14	46	45	0	SW	5	0	5	0	*	50	43	0·08
	Paris	30·26	48	SW	2	bc	30·11	−·17	44	43	− 2	SSW	2	c	•	bc	*	52	44	–
	Brest	30·24	48	SW	2	0	29·99	−·37	52	52	+ 3	SW	4	f	4	0	*	52	46	0·04
	Lorient	30·31	48	W	3	0	30·04	−·30	52	52	+ 4	W	5	r	5	0	*	52	48	0·08
	Rochefort	30·36	48	NW	2	0	30·19	−·21	53	50	+ 6	WSW	3	f	•	0	*	53	45	0·04
	Belfort	30·29	41	NW	4	0	30·21	−·10	38	37	− 4	W	4	m	•	0	*	45	38	–
	Lyons	30·37	42	N	1	bc	30·22		40	38		N	1	c	•	bc	*	50	39	–
	Nice	30·16	48	W	3	0	30·16	+·07	45	35	+ 2	S	0	c	2	0	*	57	43	–
	Perpignan														•		*			
	Biarritz	30·34	54	S	0	m	30·28	−·11	50	47	− 4	S	1	b	4	m	*	54	48	–
Span. Pen.	Corunna														•		*			
	Lisbon														•		*			
	Azores (P. Delgada)	30·44	60	SW	1	c	30·50	+·16	59	58	+ 1	ESE	4	0	3	c	*	63	57	–

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

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

Bright Sunshine yesterday Southport 0·6 hrs.

WEATHER CHARTS

FOR Wednesday, 24th January, 1900.

BAROMETER, WIND AND SEA.

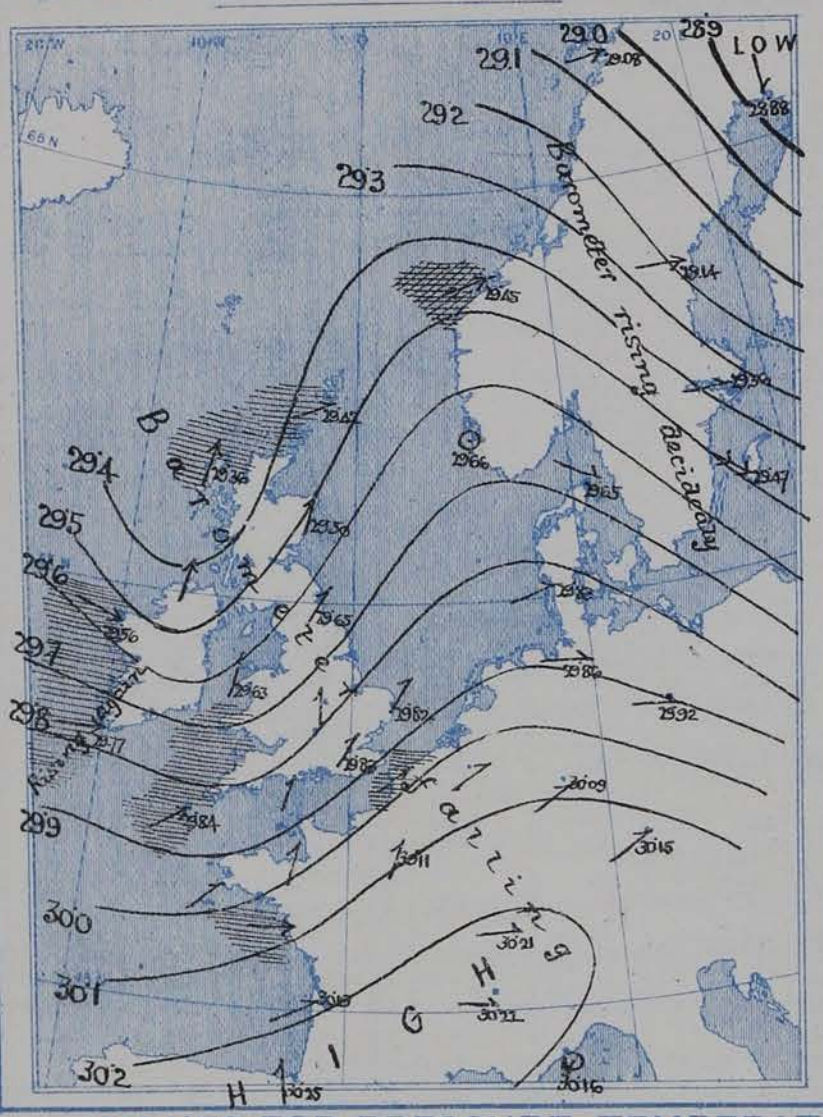
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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 AND 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	14	1881	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	29·930	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, 30·2 ins: and upwards in an anticyclone lying over the Spanish Peninsula and the central and southern parts of France
Lowest, 28·9 ins: and less, in a depression passing eastwards across Lapland; 29·4 ins: and less, in a V shaped Disturbance over our own western and northern coasts, with its centre near the Hebrides.
Gradients moderate to rather steep over northwestern Europe generally.
Barometer falling in most parts of our Islands and France, but rising again at Valencia (Ireland).

TEMPERATURE

Highest, 53° at Rochefort, 52° at Scilly, Brest, and Lorient, and 51° at Jersey.
Lowest, (1) 28° at Haparanda and 32° at Karlstad; (2) 37° at Munich; lowest in our Islands 44° at Wick, Aberdeen, and Loughborough.
During yesterday the thermometer rose to 50° or slightly above it in nearly all parts of the United Kingdom, and to 54° at Nairn and Leith.

WIND

Light to moderate from the SWrd over the greater part of our Islands and also over the Netherlands, Germany, and the north of France, but strong to a gale from the Wrd on our extreme west and southwest coasts.
W^{ly} or NW^{ly} at the Scandinavian and Danish stations, with a gale at Christiansund and Wisby.

WEATHER

Cloudy or dull over Western Europe as a whole, with rain and fog on several parts of our own west and southwest coasts, as well as in the west of France. Rain is falling also at Christiansund.
Fair on the east coasts of Great Britain and also in the south of France; fine and bright in Sweden.
Since yesterday morning rain has fallen in the west, south, and extreme north of our Islands generally, but the amount has been mostly slight.

SEA

Rough or rather so on all our extreme southwestern, western, and northern coasts; and also off the west of Norway, moderate or slight Elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a "V shaped" depression has spread over the western parts of the United Kingdom. The system is likely to move eastwards during the day, and will probably be followed shortly by other disturbances advancing from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 25th JAN^{y} 1900

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH	SW^{ly} to NW^{ly} winds, strong in places; cloudy, some rain.	↑ 6 SCOTLAND WEST	Strong W^{ly} and NW^{ly} winds, moderating and backing later; squally, showery.
1 SCOTLAND EAST		↑ 7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as No 0.	↑ 8 ENGLAND S.W.	
3 ENGLAND EAST		↑ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		↑ 10 IRELAND SOUTH	
5 ENGLAND SOUTH	SW^{ly} to W^{ly} or NW^{ly} winds, fresh; cloudy with occasional rain, becoming temporarily cooler.	WARNINGS	At 3·30 pm yesterday to districts 9 and 10, and at 7·30 pm to districts 6, 7, and parts of 04 8. "Hoist South Cone."

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.86	42	37	NW	8	b	5
Sumburgh Head	29.86	42	39	WNW	3	o	7
Stornoway... ...	29.93	45	43	WNW	4	o	4
Aberdeen	29.96	47	42	W	3	c	3
Shields	29.85	52	49	WSW	3	c	2
Malin Head ...	29.88	48	48	W	5	f	5
Blacksod Pt.. ...	29.96	49	49	WSW	4	am	4
Holyhead	30.06	50	49	WSW	3	cm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.07	49	48	SSW	2	cp	4
Scilly	30.18	50	49	WSW	4	c	4
Jersey	30.28	50	48	WSW	5	o	4
Portland Bill ...	30.20	49	48	W	3	o	3
Dungeness ...	30.13	47	49	W	3	o	2
London (Westminster)	30.12	54	50	W	3	bc	*
Yarmouth ...	30.02	50	48	W	4	c	3
Rochefort ...	30.39	50	48	WNW	2	o	*

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

Weather in morning fair over Great Britain, but dull in Ireland, with fog or mist and drizzling rain in places. Dull over the greater part of the Continent, with rain in many parts of Germany and Austria, as well as at Christiansund and Biarritz; snow falling over Lapland, Finland, and the Baltic Provinces. Fine in some parts of Italy and the extreme south of France. Rain falling later in the west, south, and extreme north of our Islands generally, but amount mostly slight.

Temperature risen in most countries, but fallen in France. Morning readings highest 57° at La Calle, 56° at Valpignan, and 55° at Barcelona and Malta; slightly above 50° on the northeast coasts of Great Britain, above 45° over the United Kingdom generally. Lowest 12° at Moscow, 18° at Uleaborg, 22° at Archangel, and 23° at Kiev. Rising during day to 50° and upwards in nearly all parts of the United Kingdom and France, to 54° at Nairn and Leith, and to 57° at Nice.

Wind light to fresh from the W.ward or SW.ward over the greater part of our Islands, France, the Netherlands and Germany, but blowing a gale from the NW.ward in Caithness and the Shetlands; strong to a gale from the W.ward on the eastern shores of the North Sea, and from the S.ward over Sweden, Finland, and the Baltic. Light from the N.ward or NW.ward in Italy and the extreme south of France, and from the NE.ward over the Spanish Peninsula. Gale in the north of Scotland subsiding later; wind backing to the S.ward in the west of Ireland.

Barometer highest 30·5 ins. to 30·1 ins. in an anticyclone lying over the Spanish Peninsula, France, and the southern part both of our Islands and Germany; 30·2 ins. and upwards in another system over Central Russia. Lowest 28·5 ins. and less, in a large and deep depression with its centre off the northern part of the Norwegian coast; gradients steep over nothern Europe generally. Depression subsequently moving eastwards, but new disturbance appearing off our own western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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, 25th January, 1900.

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	29.21	12	N	2	b+	29.27	+.39	15	15	-13	ENE	0	f	•	b	•	30	10	-
	Hernösand	29.39	31	NE	0	b	29.41	+.27	15	14	-21	ENE	0	bc	•	b	•	37	15	-
	Stockholm	29.54	29	NE	0	b	29.48	+.12	24	24	-9	NE	0	0	•	b	•	36	24	-
	Wisby	29.56	35	NNW	4	b	29.49	+.02	32	31	-4	SSW	4	0	•	b	•	36	32	-
	Karlstad	29.55	24	NE	2	b	29.43	-.10	32	32	0	NE	2	f	•	b	•	•	•	-
	Bodö	29.26	37	W	4	bc	29.33	+.25	35	34	-3	SSW	4	c	2	bc	•	38	32	0.08
	Christiansund ...	29.36	38	WSW	3	r	29.32	-.13	40	39	+2	WSW	1	0	5	r	•	40	36	0.12
	Skudesnaes ...	29.43	39	SSW	4	r	29.46	-.20	39	39	+1	NW	4	r	3	f.rf	•	39	37	•
	Færder (X'iania Fjord)	29.50	34	SW	2	0	29.38	-.19	33	33	-1	ESE	1	f	1	0	•	34	32	-
	The Scaw (Skagen)	29.54	38	SW	1	r	29.40	-.25	37	37	-1	SSW	1	f	0	r	•	41	37	0.12
	Fanö	29.56	37	SW	4	f	29.41	-.42	38	38	+1	NNW	6	r	•	f	•	39	37	0.08
British Islands	Sumburgh Head ...	29.17	44	W	2	r	29.58	+.16	42	39	-4	NNW	5	c	6	o,r	•	47	39	0.23
	Stornoway	29.41	40	NNW	7	c	29.84	+.48	42	40	-5	NNW	5	bchq	5	or.c	0.0	47	35	0.45
	Wick	29.35	40	NNW	7	o	29.77	+.38	37	36	-7	NW	4	bchp	4	o	•	45	34	0.10
	Nairn	29.42	43	W	4	c	29.88	+.42	40	38	-7	W	2	r	1	c	•	47	33	0.09
	Aberdeen	29.41	41	W	9	ogqr	29.89	+.39	39	36	-5	NNW	4	bcq	3	c.yqr	0.0	46	37	0.04
	Leith	29.53	44	SW	3	bc	29.97	+.40	40	38	-6	NSW	2	bm	•	bc	•	51	37	0.01
	Shields	29.58	48	WSW	4	cq	29.98	+.33	39	37	-6	W	3	bm	2	c.cq	•	50	36	0.01
	Spurn Head ...	29.63	46	W	7	c	30.05	+.31	40	38	-5	W	5	b	4	cq	•	48	37	0.01
	Loughborough ...	29.70	45	NNW	6	o	30.17	+.39	42	39	-2	NNW	4	c	•	c.oqpc	•	52	40	0.13
	Malin Head ...	29.65	43	NW	7	rq	30.10	+.69	47	47	+1	NNW	6	o	6	bcqr	•	47	38	0.12
	Blacksod Pt. ...	29.87	45	NNW	6	bcqp	30.23	+.67	48	46	+3	W	4	c	4	cqp	•	48	41	0.06
	Donaghadee ...	29.72	43	NW	4	bc	30.14	+.56	43	42	-2	NW	4	b	4	rq.bc	•	49	37	0.10
	Liverpool (Bidston)	29.73	49	WSW	8	b	30.19	+.52	43	42	-2	WSW	8	bc	6	p.b	•	50	42	0.14
	Holyhead	29.85	45	NW	7	bcqp	30.23	+.60	45	43	-3	W	7	cq	6	qp	•	48	42	0.17
	Parsonstown ...	29.96	42	SW	2	b	30.31	+.73	44	43	-6	WSW	1	bc	•	bq	3.5	50	41	0.03
	Valencia	30.14	46	W	6	cq	30.43	+.66	49	47	+1	WSW	4	c	5	cq	3.1	50	45	0.05
	Roche's Point ...	30.05	45	NNW	4	b	30.40	+.67	45	43	-5	W	3	b	3	bq	•	51	44	0.04
	Pembroke (St. Ann's Hd.)	29.97	48	NW	7	c	30.36	+.69	48	46	-2	NNW	6	b	5	c	1.8	50	46	0.10
	Scilly	30.10	50	NNW	8	c	30.44	+.60	50	46	-2	NNW	5	c	6	cq.c	4.0	53	46	0.03
	Jersey (St. Aubin's) ...	30.01	49	NNW	7	cm	30.44	+.49	49	44	-2	NW	4	bc	3	bc.qr	•	53	46	0.13
	Portland Bill ...	29.87	49	NW	8	b	30.32	+.47	47	44	-3	NW	7	b	6	op.b	•	50	44	0.02
	Dungeness	29.73	47	W	5	c	30.22	+.29	41	40	-6	NNW	4	b	3	r.c	•	49	40	0.08
	London (Brixton) ...	29.75	48	NNW	5	o	30.24	+.41	41	39	-6	W	2	b	•	oz,o,bq	0.0	53	40	0.01
	Oxford	29.91	44	W	4	b	30.26	+.45	41	38	-6	W	4	b	•	qp.b	•	53	41	0.04
	Yarmouth	29.56	50	W	6	rq	30.06	+.24	41	38	-4	NNW	5	b	4	o.rq	•	50	38	0.16
France & Netherlands. Germany.	Cuxhaven	29.68	43	SW	3	o	29.56	-.30	40	39	-2	WNW	7	r	•	o	•	43	39	0.12
	Berlin	29.79	44	SW	3	o	29.54	-.38	44	42	0	W	4	r	•	o	•	45	39	0.16
	Wiesbaden	•	•	•	•	•	30.01	-.08	43	40	-2	W	3	o	•	•	•	46	43	0.20
	Munich	30.02	41	SW	5	r	30.00	-.15	40	39	+3	W	8	r	•	r	•	45	37	0.12
	The Helder ...	29.58	43	S	3	r	29.87		43	39		NNW	7	c	6	r	•	45	43	0.20
	Brussels	•	•	•	•	•	30.12	+.10	41	39	-2	WNW	5	bc	•	r	•	49	39	0.04
	C. Gris Nez ...	29.70	46	WNW	6	o	30.18	+.21	45	43	-1	NW	6	b	6	o	•	50	41	0.16
	Paris	29.93	51	SW	3	r	30.31	+.20	43	40	-1	SW	3	o	•	r	•	54	43	0.12
	Brest	30.19	50	NW	4	c	30.50	+.57	50	48	-2	N	4	c	3	c	•	52	46	0.04
	Lorient	30.20	50	NW	6	c	30.53	+.49	49	48	-3	NW	5	c	5	c	•	54	46	0.04
	Rochefort	30.19	52	W	5	c	30.46	+.27	49	47	-4	NW	3	c	•	o.c	•	54	45	0.08
	Belfort	30.02	44	WSW	6	r	30.25	+.04	39	37	+1	WSW	1	o	•	r	•	44	36	0.35
	Lyons	.	.	.	.	.	30.47	+.25	40	38	0	NW	1	c	•	-	•	51	34	0.12
	Nice	30.06	48	?	0	b	29.94	+.22	53	?50	+8	NW	2	b	2	b	•	?	?	?
	Perpignan	30.25	60	NW	5	o	30.46	+.28	52	46	0	NW	5	o	•	o	•	64	50	-
	Biarritz	30.34	56	W	5	o	30.56	+.28	52	50	+2	NNW	3	c	4	o	•	59	50	0.08
Span. Pen.	Corunna																			
	Lisbon	30.52	54	NNW	5	b	30.55	+.08	49	46	-4	NE	4	b	•	b	•	68	48	—
	Azores (P. Delgada)	30.53	60	SE	5	bc	30.49	-.01	60	56	+1	SSE	5	o	5	bc	•	64	57	-

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

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

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

FOR Thursday, 25th January, 1900.

BAROMETER, WIND AND SEA.

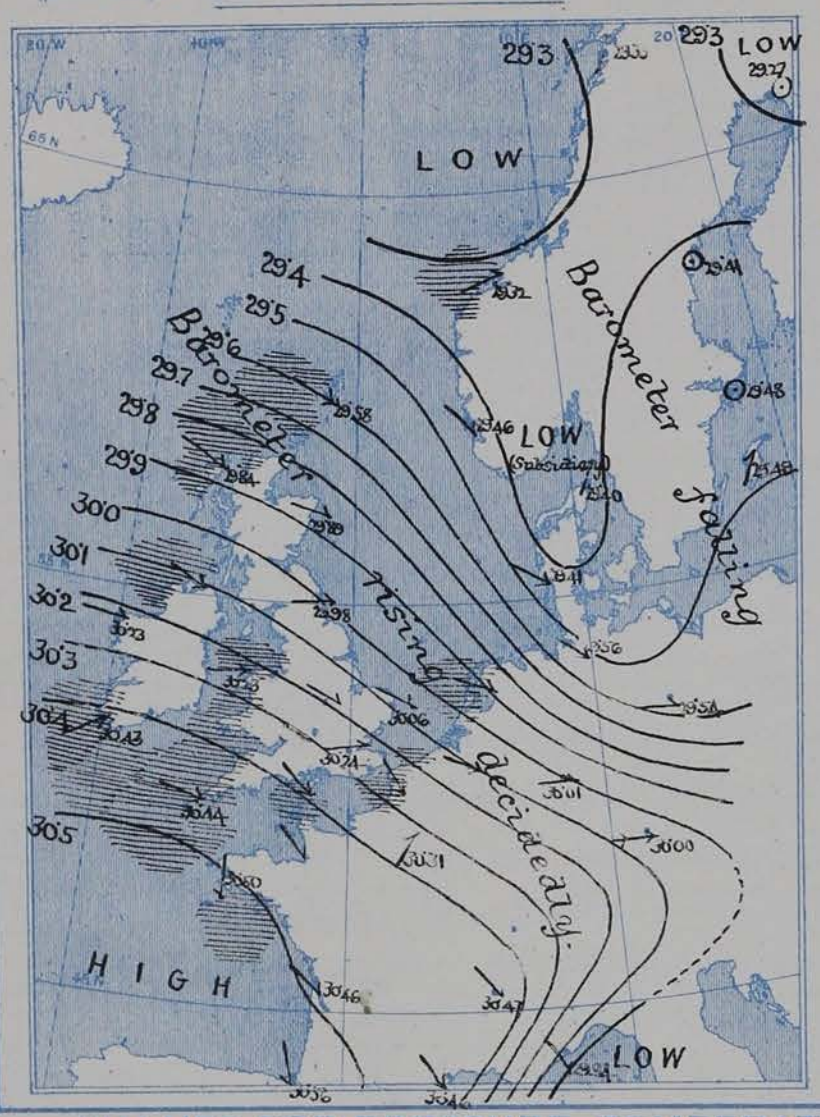
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

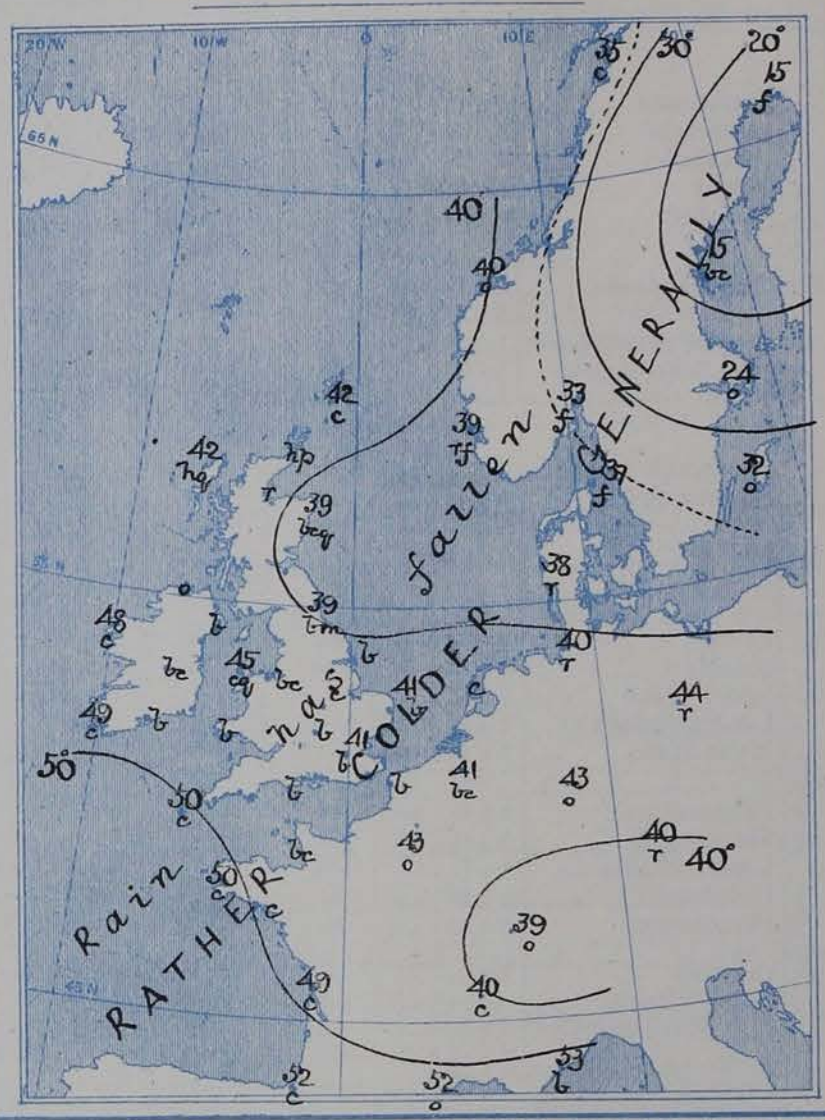


TEMPERATURE AND WEATHER.

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	14	1881	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 northwest of France; 30·3 in: and upwards in an anticyclone lying over the Bay of Biscay, France, and the southwestern parts of our Islands.
Lowest, 29·3 in: and less, in a large depression off the northern parts of the Norwegian coasts and also in a smaller disturbance over Lapland.
Gradients moderate generally, but rather steep over Germany and the south of France.
Barometer falling in Germany, Denmark, and the south of Scandinavia, rising elsewhere.

TEMPERATURE

Highest, 53° at Nice, 52° at Biarritz and Perpignan, and 50° at Scilly and Brest.
Lowest, 15° at Haparanda and Hernösand, 24° at Stockholm and 32° at Karlstad and Wisby; lowest in our Islands 37° at Wick.
During yesterday, the thermometer rose to 50° or slightly above it in many parts of the United Kingdom.

WIND

Fresh to strong from the W^ard or NW^ard over Western Europe generally, with a gale at Liverpool and Munich.
Calm or variable at the Scandinavian stations.

WEATHER

Fine over the greater part of the United Kingdom, but hail squalls reported in the north of Scotland.
Cloudy or dull at most of the Continental stations, with fog in the south of Scandinavia and rain in Germany, and Denmark, as well as at Skudesnaes.
Rain fell yesterday over Western Europe generally, but the amounts were mostly small.

SEA

Rough or rather so on most parts of our western, southern, and extreme northern coasts, moderate or slight in the east and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V shaped" depression which passed across our Islands yesterday has now reached Norway and Denmark and an anticyclone has spread from the southwestward over all our southwestern districts. The barometer is at present rising steadily in the west, but the wind there is inclined to back so that fresh disturbances are likely to appear shortly in that region.

FORECASTS

For the 24 hours ending at NOON on 26TH JANY 1900

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH 1 SCOTLAND EAST	NW½ to SW½ winds, fresh or strong; fair at first, some rain later.
2 ENGLAND N.E. 3 ENGLAND EAST	Same as No 5.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W½ to SW½ winds, moderate or fresh; fine at first, cloudy later, probably some rain.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	W½ to SW½ winds, increasing in force; fair at first, some rain later.

WARNINGS

The NORTH CONE is still flying in parts of districts 0 and 1., and the SOUTH CONE in districts 6 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.56	39	39	ESE	2	f	3
Sumburgh Head	29.23	45	45	S	1	o	5
Stornoway... ...	29.30	43	42	NW	1	r	6
Aberdeen	29.31	46	43	SSW	3	c	3
Shields	29.45	48	46	S$W	2	c	2
Malin Head ...	29.59	43	42	NW	1	bc	5
Blacksod Pt.. ...	29.77	47	43	WNW	6	c q p	6
Holyhead	29.63	46	44	WNW	1	r	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.98	49	43	W	8	c q	6
Scilly	29.94	52	48	WNW	8	c q	6
Jersey	29.91	52	51	W	6	bc	4
Portland Bill ...	29.78	50	49	WNW	6	o p	5
Dungeness ...	29.69	49	48	W	5	r	4
London (Westminster)	29.66	55	52	WSW	3	o r	*
Yarmouth ...	29.58	48	47	SSW	3	o	4
Rochefort ...	30.15	54	52	WSW	4	o	*

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 rain and fog in the western parts of our Islands and France. Rain falling also at Christiansund, and snow at Archangel, Kuopio, Moscow and Nicolaieff. Fair or fine on the east coasts of Great Britain, as well as in Sweden, the south of France, and the neighbouring parts of Spain and Italy. Rain falling later in all parts of Western Europe, but amounts mostly slight.

Temperature fallen in most of the western and northern countries, but risen elsewhere. Morning readings highest 56° at Malta, and 54° at Barcelona, Algiers, and La Calle; slightly above 50° in the west of France and also in the Scilly and Channel Islands. Lowest 13° at Moscow, 14° at Charkov, 22° at Moscow, and 25° at Odessa. Rising during day to 50° and upwards in many parts of the United Kingdom and France; reaching 59° at Biarritz and 64° at Perpignan.

Wind light to moderate from the SW^{wd} over the greater part of our Islands and also over the Netherlands, Germany, and the north of France, but strong to a gale from the W^{wd} on our extreme west and southwest coasts. Strong from the W^{wd} or NW^{wd} over Scandinavia and Western Russia, with a gale at Christiansund and Wisby; S^{3} or SE^{3} over northern and central Russia. Variable in the south of France, NE^{3} over the Spanish Peninsula and northern Italy, NW^{3} in the south of Italy. Subsequently veering to the NW^{wd} over nearly the whole of our Islands and increasing to a gale on our western and extreme northern coasts.

Barometer highest 30·4 in: and upwards in Portugal; 30·1 in: and upwards in an anticyclone covering southern Europe generally. Lowest 28·9 in: and less in two centres of depression one lying over Lapland and the other near St Petersburg; 29·4 in: and less in a "V shaped" disturbance over our own western coasts with its centre near the Hebrides. Latter disturbance subsequently moving eastwards across our Islands, and barometer rising briskly in its rear.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); ast; 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 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, 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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

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

DAILY WEATHER REPORT

for 8 a.m. on Friday, 26th January, 1900.

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	29.45	7	S	0		29.59	+.32	9	9	- 6	S	0					16	1	-
	Hernösand	29.55	20	S	0		29.63	+.22	13	12	- 2	S	0					32	10	-
	Stockholm	29.65	28	S	0		29.67	+.19	32	31	+ 8	W	2					32	23	0.16
	Wisby	29.68	35	SSW	4		29.71	+.22	35	35	+ 3	NNW	4					36	28	0.12
	Karlstad	29.67	33	NE	4		29.78	+.35	24	23	- 8	W	2							0.08
	Bodö	29.46	34	SE	4		29.58	+.25	30	27	- 5	ESE	2					35	28	-
	Christiansund ...	29.60	39	WSW	8		29.61	+.29	41	40	+ 1	WSW	2					41	37	0.85
	Skudesnaes ...	29.87	40	NW	2		29.81	+.35	41	40	+ 2	SW	2					42	37	
	Færder (X'iania Fjord)	29.69	33	W	1		29.73	+.35	33	32	0	W	2					33	32	-
	The Scaw (Skagen)	29.75	38	NNW	2		29.82	+.42	38	38	+ 1	NNW	1					39	36	0.04
	Fanö	30.01	39	NW	6		30.01	+.60	38	38	0	WSW	4					41	37	0.08
British Islands	Sumburgh Head ...	29.74	46	W	4		29.48	-.10	46	46	+ 4	SW	3					47	42	0.24
	Stornoway	29.89	48	WNW	6		29.31	-.53	48	47	+ 6	SW	8					48	40	0.25
	Wick	29.89	45	W	3		29.47	-.30	47	46	+ 10	S	4					47	?33	-
	Nairn	29.96	46	W	4		29.51	-.37	49	46	+ 9	SW	1					50	36	0.02
	Aberdeen	30.03	45	SW	2		29.66	-.23	46	43	+ 7	SSW	7					48	39	-
	Leith	30.12	47	WSW	2		29.73	-.24	47	45	+ 7	SSW	4					50	39	-
	Shields	30.10	45	W	5		29.89	-.09	48	45	+ 9	SW	4					49	37	-
	Spurn Head ...	30.25	45	W	5		30.05	.00	42	41	+ 2	S	3					45	39	-
	Loughborough ...	30.34	46	W	4		30.13	-.04	45	43	+ 3	SW	3					50	42	-
	Malin Head ...	30.14	46	SW	4		29.48	-.62	47	47	0	SSW	8					47	46	0.02
	Blacksod Pt. ...	30.18	49	SW	5		29.74	-.49	44	42	- 4	WNW	7					50	40	0.23
	Donaghadee ...	30.25	47	WNW	3		29.81	-.33	46	46	+ 3	SW	5					50	40	0.01
	Liverpool (Bidston)	30.32	45	WSW	5		30.02	-.17	47	44	+ 4	SSW	4					48	42	-
	Holyhead	30.34	49	WSW	3		30.00	-.23	48	47	+ 3	SW	7					49	43	0.02
	Parsonstown ...	30.34	47	SW	1		29.84	-.47	49	46	+ 5	SE	2					50	43	-
	Valencia	30.39	49	SSE	4		29.99	-.44	49	46	0	SW	6					52	46	0.13
	Roche's Point ...	30.42	49	W	3		30.12	-.28	50	50	+ 5	SW	6					52	45	0.05
	Pembroke (St. Ann's Hd.)	30.45	48	W	4		30.16	-.20	48	47	0	SW	6					50	46	0.06
	Scilly	30.50	50	W	4		30.25	-.19	49	48	- 1	SW	6					53	46	0.02
	Jersey (St. Aubin's) ...	30.54	50	WNW	3		30.42	-.02	47	45	- 2	SW	3					54	46	-
	Portland Bill ...	30.48	48	NW	4		30.31	-.01	47	47	0	WSW	4					51	44	0.01
	Dungeness	30.39	44	WNW	3		30.28	+.06	45	45	+ 4	W	4					50	38	0.01
	London (Brixton) ...	30.41	46	WSW	3		30.25	+.01	44	43	+ 3	SW	2					50	41	-
	Oxford	30.43	45	W	3		30.21	-.05	46	44	+ 5	SW	4					51	41	-
	Yarmouth	30.26	44	WNW	4		30.14	+.08	43	42	+ 2	SW	3					47	39	-
France & Netherlands. Germany.	Cuxhaven	29.92	42	NW	7		30.10	+.54	40	39	0	WSW	4					43	37	-
	Berlin	29.68	36	W	5		30.06	+.52	39	38	- 5	WNW	3					45	36	0.20
	Wiesbaden						30.34	+.33	43	41	0	NW	2					45	39	0.12
	Munich	30.19	35	W	6		30.35	+.35	34	33	- 6	W	6					41	34	0.12
	The Helder ...																			
	Brussels						30.36	+.24	40	40	- 1	SW	3					44	37	-
	C. Gris Nez ...	30.36	46	NW	4		30.28	+.10	46	45	+ 1	W	4					48	41	-
	Paris	30.48	46	NW	3		30.48	+.17	41	41	- 2	S	2					50	37	-
	Brest	30.58	50	N	2		30.40	-.10	49	47	- 1	WSW	3					54	48	-
	Lorient	30.61	50	NW	3		30.48	-.05	49	46	0	SW	4					54	46	-
	Rochefort	30.59	49	NNW	3		30.50	+.04	41	39	- 8	NW	2					52	37	-
	Belfort	30.43	36	WSW	6		30.52	+.27	37	36	- 2	W	3					42	34	0.20
	Lyons	-	-	-	-	-	30.52	+.05	37	36	- 3	NNW	1					45	35	0.04
	Nice	30.06	52	W	1		30.23	+.29	42	38	- 11	Z	0					63	41	-
	Perpignan																			
	Biarritz	30.61	51	N	3		30.54	-.02	46	46	- 6	Z	0					55	45	0.20
Span. Pen.	Corunna																			
	Lisbon	30.49	57	NE	5		30.51	-.04	48	43	- 1	NE	5					63	46	-
	Azores (P. Delgada)	30.52	60	SSE	4		30.49	.00	58	55	- 2	NE	3					63	55	-

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

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

Bright Sunshine yesterday Southport 4.4 *hrs.*

WEATHER CHARTS

FOR Friday, 26th January, 1900.

BAROMETER, WIND AND SEA.

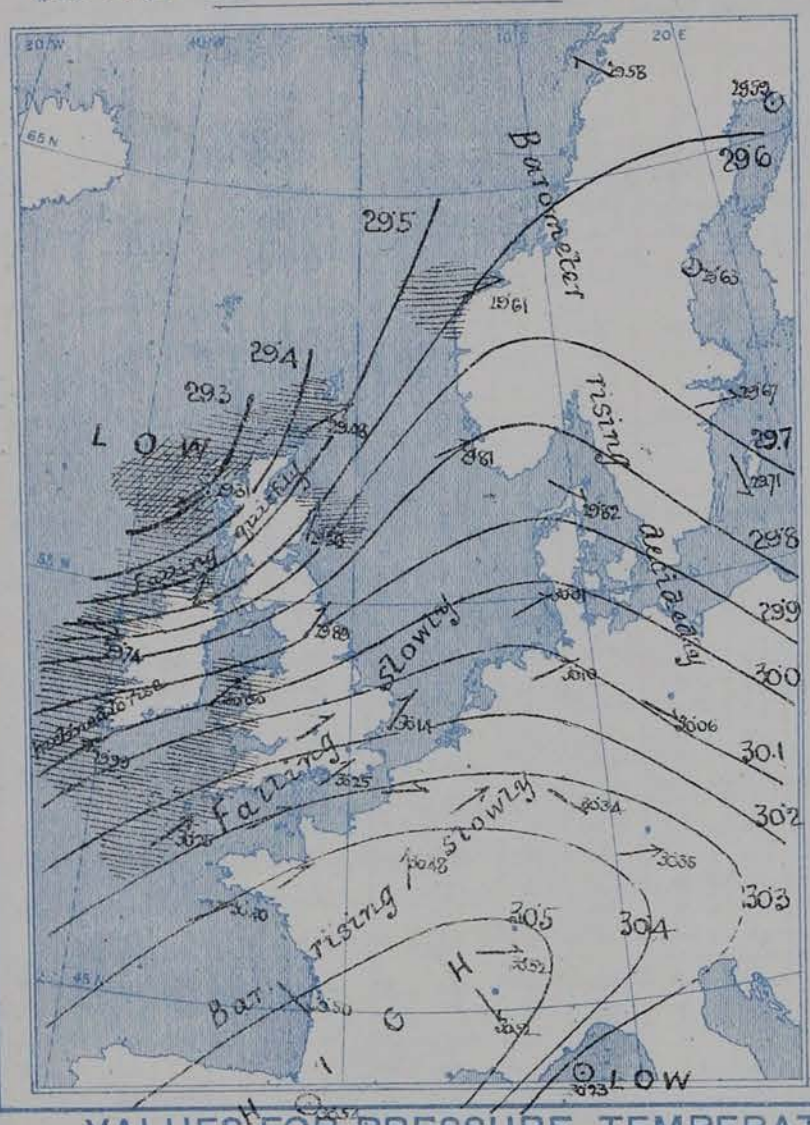
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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 AND 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	14	1881	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: to 30·2 ins: in an anticyclone lying over France, Germany, and the south of England.
Lowest, 29·3 ins: in a rather deep depression with its centre off the northwest of Scotland.
Gradients steep over Ireland and Scotland, moderate or slight elsewhere.
Barometer falling in most parts of our Islands – quickly in the north, but inclined to rise at Valencia (Ireland).

TEMPERATURE

Highest, 50° at Roche's Point and 49° at Nairn, Parsonstown, Valencia (Ireland), Scilly, Borcet and Lorient.
Lowest, (1) 9° at Haparanda, 13° at Hernosand and 24° at Karlstad; (2) 34° at Munich; lowest in our Islands 42° at Spurn Head.
During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom and to 54° at Jersey.

WIND

SW^rly over our Islands and all the neighbouring parts of the Continent: strong in force on our western and northern coasts with a gale at Stornoway and Malin Head.
Moderate from the W^ward or NW^ward in Germany; calm or light from the NW^ward in Sweden and also over the southern parts of France.

WEATHER

Cloudy or dull over Western Europe as a whole with rain or passing showers at several of our more western and southern stations; rain is falling also at Christiansund and Berlin, foggy over the Gulf of Bothnia and at Brussels.
Fine on the east coasts of England and also over the southern part of France.
Rain fell yesterday in the north of Scotland as well as at many of the Continental stations, but the quantity was not large.

SEA

Very high at Stornoway, and rough or rather so on our western and extreme northern coasts generally, as well as at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night the centre of a new and deep depression has appeared off the northwest of Scotland. The disturbance seems likely to move in an east-north-easterly direction, and a further increase of wind from the W^ward or NW^ward is probable on all our more northern coasts.

FORECASTS

For the 24 hours ending at NOON on 27TH JANUARY, 1900

DISTRICTS.	FORECASTS.
↓ 0 SCOTLAND NORTH	SW^rly to W^rly or NW^rly gales and strong winds; squally and rainy at first, some improvement later.
↓ 1 SCOTLAND EAST	
↓ 2 ENGLAND N.E.	SW^rly to W^rly winds, increasing in force; squally, some rain.
3 ENGLAND EAST	SW^rly to W^rly winds, freshening considerably; cloudy, unsettled, some rain.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
↓ 6 SCOTLAND WEST	Same as Nos 0 and 1.
↓ 7 ENGLAND N.W.	
↓ 8 ENGLAND S.W.	
↓ 9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	At 7·15pm yesterday to districts 6, 7, and 8 "Keep up South Cone", and to districts 1, 2, 9, and 10 "Hoist South Cone". The North Cone is still flying in district 0.

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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.78	42	40	nnw	4	m	2
Sumburgh Head	29.69	45	44	nnw	4	r	6
Stornoway... ...	29.92	48	46	n	6	o	6
Aberdeen	29.99	48	42	nsw	3	bc	2
Shields	30.11	48	45	w	4	bc	2
Malin Head ...	30.16	47	47	w	4	o	4
Blacksod Pt.. ...	30.29	50	48	nsw	5	bcqpp	4
Holyhead	30.33	49	46	w	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.43	50	48	sw	4	c	5
Scilly	30.52	52	48	w	4	c	5
Jersey	30.54	53	47	wnw	4	b	3
Portland Bill ...	30.45	49	47	nw	5	cq	4
Dungeness ...	30.34	49	45	wnw	4	c	3
London (Westminster)	30.33	51	46	nsw	4	c	*
Yarmouth ...	30.17	47	42	nw	4	bc	*
Rochefort ...	30.57	52	50	nw	3	o	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 27th January, 1900.

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	29.71	5	SW	0	0	29.67	+.08	10	9	+ 1	SE	2	0	*	0	*	10	3	-
	Hernösand	29.69	5	SW	0	fog	29.47	-.16	31	29	+ 18	S	6	S	*	fog	*	31	3	0.04
	Stockholm	29.72	25	SW	0	fog	29.60	-.07	31	31	- 1	SSE	2	0	*	fog	*	34	25	-
	Wisby	29.74	34	NNW	4	fog	29.62	-.09	28	27	- 7	SSE	4	fog	*	fog	*	36	?	-
	Karlstad	29.67	32	SW	2	fog	29.44	-.34	35	35	+ 11	SSE	6	r	*	fog	*	*	*	0.24
	Bodö	29.47	26	E	4	b	29.28	-.30	31	29	+ 1	E	5	0	2	b	*	?	?	-
	Christiansund ...	29.24	45	ENE	3	r	29.29	-.32	39	36	- 2	ENE	1	c	5	r	*	45	37	0.16
	Skudesnaes ...	29.47	41	S	4	r	29.41	-.40	39	38	- 2	SSE	2	bc	4	rq	*	41	36	*
	Færder (X'iania Fjord)	29.59	36	SSW	4	0	29.37	-.36	32	32	- 1	SW	1	fog	2	0	*	36	32	-
	The Scaw (Skagen)	29.66	38	WSW	1	fog	29.44	-.38	37	36	- 1	WSW	1	mist	0	fog	*	39	36	0.16
	Fanö	29.73	38	SW	3	r	29.55	-.46	35	35	- 3	WSW	3	b	*	fog	*	39	35	0.16
British Islands	Sumburgh Head ...	29.20	42	W	4	0	29.18	-.30	35	34	- 11	WSW	3	rsq	6	0	*	48	30	0.17
	Stornoway	29.41	37	WNW	7	c	29.22	-.09	35	33	- 13	WSW	4	0 S	4	c, c	0.4	48	30	0.30
	Wick	29.40	43	W	6	c	29.23	-.24	33	32	- 14	W	1	b	2	c	*	48	32	0.03
	Nairn	29.51	36	SW	3	0	29.27	-.24	33	31	- 16	W	1	c	1	0, S	*	51	30	0.25
	Aberdeen	29.55	38	WSW	3	bq	29.31	-.35	34	32	- 12	SW	3	bc	2	bcq.bq	2.1	48	33	0.01
	Leith	29.66	41	WNW	5	b	29.36	-.37	37	36	- 10	WSW	3	cm	*	b	*	50	34	0.04
	Shields	29.75	43	WSW	3	b	29.47	-.42	38	36	- 10	SW	3	0	2	c qp, b	*	51	35	0.01
	Spurn Head ...	29.79	45	W	5	c	29.59	-.44	36	36	- 6	WSW	4	bc	3	c	*	47	35	-
	Loughborough ...	29.92	44	WNW	2	c	29.67	-.46	36	34	- 9	SW	5	cu	*	c qp, bc	*	50	35	0.01
	Malin Head ...	29.70	41	W	7	bc rhq	29.37	-.11	40	39	- 7	WNW	7	c	6	bc. rhq	*	48	35	0.17
	Blacksod Pt. ...	29.88	41	WNW	6	bc qph	29.58	-.16	39	37	- 5	NW	6	c qhp	6	c qhp	*	44	35	0.40
	Donaghadee ...	29.83	39	NW	3	chp	29.48	-.33	35	35	- 11	WNW	4	cq	4	chp	*	49	33	0.08
	Liverpool (Bidston)	29.90	43	WSW	6	c	29.59	-.43	39	36	- 8	WSW	4	c	4	c qp	*	50	38	0.04
	Holyhead	29.92	44	WNW	7	cq	29.59	-.41	41	38	- 7	WSW	5	c ap	4	c qp	*	48	38	0.06
	Parsonstown ...	30.01	38	W	1	c	29.64	-.20	38	36	- 11	W	1	c	*	c. cp	2.0	50	36	0.16
	Valencia	30.06	45	WSW	5	cq	29.81	-.18	46	41	- 3	W	8	cq	7	c cq	2.7	49	39	0.15
	Roche's Point ...	30.13	45	WNW	4	cq	29.75	-.37	42	42	- 8	NW	6	r	4	cq. r	*	53	39	0.15
	Pembroke (St. Ann's Hd.)	30.01	49	NW	5	bc	29.71	-.45	45	43	- 3	W	8	c qp	6	c. bc	0.3	50	41	0.09
	Scilly	30.10	50	WNW	5	c	29.87	-.38	48	45	- 1	WNW	7	c	6	m. c	0.0	52	43	0.07
	Jersey (St. Aubin's) ...	30.15	50	SW	5	rm	29.92	-.50	45	42	- 2	W	5	bc	4	cq, rm	*	51	43	0.19
	Portland Bill ...	30.02	47	WNW	6	c	29.83	-.48	43	41	- 4	WNW	5	b	5	cp. c	*	50	40	0.08
	Dungeness	30.01	47	WSW	6	r	29.78	-.50	37	36	- 8	W	3	b	3	c, r	*	47	36	?0.10
	London (Brixton) ...	29.97	48	SW	3	cp	29.77	-.48	36	35	- 8	SW	2	bc	-	c. p. b	0.0	49	34	0.03
	Oxford	29.96	41	WSW	2	bc	29.75	-.46	36	35	- 10	SW	3	b	*	c, p. b	*	49	35	0.04
	Yarmouth	29.88	47	WSW	4	c	29.65	-.49	36	35	- 7	WSW	3	bc	3	c. c	*	49	33	0.04
France & Netherlands. Germany.	Cuxhaven	29.90	41	SW	4	b	29.58	-.52	40	39	0	NNW	2	0 rsp	*	b	*	43	39	0.20
	Berlin	29.98	42	W	2	c	29.69	-.37	41	40	+ 2	SW	3	r	*	c	*	43	39	0.04
	Wiesbaden	*	*	*	*	*	29.77	-.57	41	40	- 2	SW	3	r	*	*	*	45	41	0.08
	Munich	30.26	37	W	5	c	29.92	-.43	32	31	- 2	SSW	3	bc	*	c	*	37	32	0.04
	The Helder ...	29.87	44	SW	4	c	29.65		41	38		NNW	2	c	2	c	*	45	39	0.20
	Brussels	*	*	*	*	*	29.78	-.58	39	38	- 1	WSW	2	c	*	r	*	46	38	0.16
	C. Gris Nez ...	30.04	46	WSW	7	r	29.80	-.48	41	38	- 5	NW	5	bc	5	r	*	48	39	0.43
	Paris	30.27	43	SW	3	bc	29.90	-.58	42	41	+ 1	W	2	r	*	bc	*	49	?39	0.12
	Brest	30.19	51	WSW	4	f	30.05	-.35	47	43	- 2	NNW	4	c	3	f	*	50	46	0.16
	Lorient	30.22	50	SW	5	c	30.04	-.44	46	45	- 3	NW	5	c	5	c	*	55	45	0.08
	Rochefort	30.45	49	S	3	c	30.20	-.30	47	46	+ 6	NW	4	b	*	c	*	52	41	0.12
	Belfort	30.39	37	W	1	m	29.95	-.54	37	35	0	WSW	3	c	*	m	*	40	35	0.04
	Lyons	30.42	41	NW	1	b	30.04	-.48	36	34	- 1	S	1	c	*	b	*	48	34	-
	Nice	30.18	45	E	2	c	29.95	-.28	45	38	+ 9	SW	0	c	2	c	*	55	42	-
	Perpignan	30.32	52	NW	2	c	30.08		52	45		NW	4	c	*	c	*	57	45	-
	Biarritz	30.36	49	SW	0	m	30.18	-.36	50	50	+ 4	NW	6	r	5	m	*	55	46	0.12
Span. Pen.	Corunna																*			
	Lisbon	30.46	54	N	4	b	30.43	-.08	51	48	+ 3	N	5	b	*	b	*	59	48	-
	Azores (P. Delgada)	30.58	58	E	2	bc	30.60	+.11	55	52	- 3	N	3	c	3	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

FOR Saturday, 27th January, 1900.

BAROMETER, WIND AND SEA.

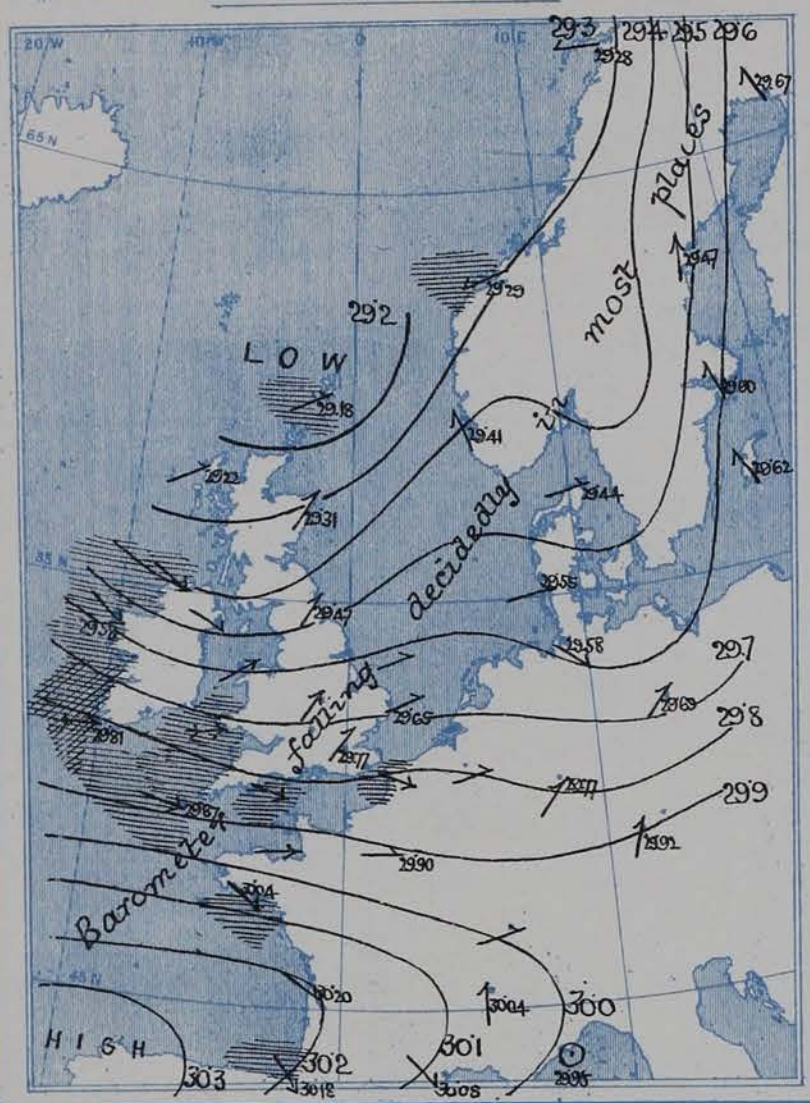
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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 AND 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	14	1881	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, 30·43 in: at Lisbon; 30·2 in: and upwards in an anticyclone lying over the whole of the Spanish Peninsula and the southern part of the Bay of Biscay.
Lowest, 29·2 in: and less, in a large, but somewhat shallow depression lying off the north of Scotland.
Gradients moderate or slight generally.
Barometer falling in all parts of Western Europe.

TEMPERATURE

Highest, 51° at Lisbon, 50° at Biarritz, 48° at Scilly, 47° at Brest and Rochefort, and 46° at Valencia (Ireland) and Lorient.
Lowest, 10° at Haparanda, 28° at Visby, and 31° at Bodö. Hernösand, and Stockholm.
During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom and to 53° at Rochdale Pomt.

WIND

Strong from the W^ly or NW^ly on our western coasts, with a gale at Valencia and Pembroke; fresh from the same quarters over the Channel and Bay of Biscay.
Light to moderate from the SW^ly over the eastern and central parts of our Islands and also over the Netherlands, Germany and Denmark, S^ly or SE^ly in Sweden and the south of Norway; E^ly in the west of Norway.

WEATHER

Fine in the eastern and central parts of the United Kingdom, but showery in the west and extreme north, with hail at Blackrod Point and sleet at Stornoway Head.
Dull and unsettled over the western parts of the Continent generally, with rain in several places, snow at Hernösand and sleet at Cuxhaven.
Since yesterday morning rain has fallen over nearly the whole of Western Europe, hail on our northwest coasts and snow at Nairn.

SEA

High at Valencia (Ireland) and rough or rather so on most parts of our western, southern, and extreme northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression noticed yesterday off our north and northwest coasts has spread eastwards and southwards, and the barometer has continued to fall generally. There is now a tendency for the formation of small secondary systems over our Islands and changeable, showery weather is probable, with strong winds or gales from the W^ly or NW^ly on our western and southern coasts

FORECASTS

For the 24 hours ending at NOON on 28th JANUARY, 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly to W^ly or NW^ly winds; changeable, some cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	W^ly to NW^ly winds, strong, a gale in places; squally, some cold showers, probably hail or sleet.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW^ly winds, strong, a gale in places; squally, some cold showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 7·20 pm yesterday to Districts 3 and 5 "Hoist South Cone" The signals are now flying on all coasts.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.W. round by W. to N.E.). 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.69	40	40	S	4	rf	3
Sumburgh Head	29.72	44	42	SE	4	o	6
Stornoway... ...	29.36	42	40	WNW	6	o	6
Aberdeen	29.44	46	41	SW	6	bc qj	4
Shields	29.67	51	48	SW	5	cpqj	2
Malin Head ...	29.67	43	40	W	7	bc	6
Blacksod Pt.. ...	29.87	41	38	WNW	6	bcqhp	6
Holyhead	29.89	46	42	N	7	cqp	5
Valencia	30.08	47	44	W	6	cqj	6
Scilly	30.10	51	51	SW	6	m	5
Jersey	30.29	50	46	WSW	5	v	4
Portland Bill ...	30.13	48	47	W	5	opv	5
Dungeness ...	30.11	47	46	W	6	o	4
London (Westminster)	30.07	51	47	WSW	4	o	*
Yarmouth ...	29.94	49	46	SW	3	c	4
Rochefort ...	30.43	50	48	S	3	c	*

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

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with rain or passing showers at several of our own western and southern stations. Rain falling also in some parts of Germany and Austria, as well as at Christiansund, and snow at Archangel and Breslau, fog or mist reported in many parts of northern Europe. Fine on the east coasts of England and also over Spain, northern Italy, and the south of France. Rain falling later over nearly the whole of Western Europe, and hail showers on our own northwest coast.

Temperature rises in our Islands, but falls at most of the Continental stations. Morning readings highest 56° at Malta, 55° at Algiers, and 54° at Patras and Nimis; touching 50° at Roche's Point and very little below it at many of our own western and northern stations. Lowest 4° at Archangel, 5° at Moscow, and 9° at Haparanda; below the freezing point over Sweden and Russia generally. Rising during day to 50° or slightly above it in many part of the United Kingdom, to 55° and upwards at some of the western and southern French stations, and to 59° at Lisbon.

Wind SW^{ly} over the whole of our Islands and the neighbouring part of the Continent, and strong to a gale in force on our western and northern coasts. Light to moderate from the W^{d} or NW^{wd} over Denmark, Germany, and the south of France, from the N^{wd} in Italy, and from the NE^{ly} or E^{ly} over the Spanish Peninsula. S^{ly} (SW to SE) in Russia; calm over the Gulf of Bothnia. Subsequently veering to the W^{wd} in our Islands and blowing very strongly in most places.

Barometer highest 30·60 in. at Madrid; 30·2 in. and upwards in an anticyclone extending from Spain over the whole of France, western and southern Germany, and the south of England; 29·9 in. and upwards in another system over Central Russia. Lowest 29·3 in. and less, in a rather deep depression with its centre off the northwest of Scotland. Depression subsequently moving northeastwards, but also spreading out in a southerly direction; barometer falling briskly over Great 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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„ Weekly „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 28th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	29.69	14	SE	2	s	29.85	+.18	25	26	+ 15	S	4	o		s		25	5	0.28
	Hernösand	29.54	31	S	4	r	29.75	+.28	32	30	+ 1	2	o	o		r		32	3	0.32
	Stockholm	29.51	31	ENE	2	s	29.66	+.06	34	33	+ 3	ESE	2	o		s		39	19	—
	Wisby	29.54	33	SSE	4	s	29.62	.00	34	32	+ 6	S	2	o		s		34	21	0.04
	Karlstad	29.41	34	2	o	o	29.53	+.09	33	32	— 2	ENE	2	s		o				0.12
	Bodö	29.46	30	ESE	5	s	29.65	+.37	30	28	— 1	ESE	4	o	1	s		30	27	—
	Christiansund ...	29.40	33	ENE	1	o	29.58	+.29	34	33	— 5	WSW	4	s	5	o		39	32	0.28
	Skudesnaes ...	29.35	36	SSE	2	o	29.50	+.09	33	33	— 6	ENE	2	be	2	be.o		39	38	
	Færder (X'iania Fjord)	29.31	32	2	o	f	29.52	+.15	31	30	— 1	N	2	o	2	f		32	30	—
	The Scaw (Skagen)	29.41	33	WSW	1	be	29.50	+.06	34	33	— 3	2	o	mw	o	be		39	32	—
	Fanö	29.43	34	WSW	3	b	29.43	—.12	30	30	— 5	ESE	2	f		b		39	30	—
British Islands	Sumburgh Head ...	29.19	32	2	o	be	29.53	+.35	37	37	+ 2	NE	3	r	5	sp,be		39	30	0.08
	Stornoway	29.21	35	SW	3	o	29.58	+.36	37	36	+ 2	NNW	4	c	4	sp,c,o	1.7	38	32	0.45
	Wick	29.20	35	NW	2	b	29.52	+.29	38	37	+ 5	NE	3	o	2	b,hrsp		41	27	0.40
	Nairn	29.26	32	NW	1	b	29.52	+.25	36	35	+ 3	NW	2	o	2	b,2		38	24	—
	Aberdeen	29.28	33	WNW	2	b	29.49	+.18	32	31	— 2	NW	3	c	3	bq,b,s	4.8	41	29	0.02
	Leith	29.32	35	W	2	b	29.45	+.09	36	34	— 1	N	1	be		b		41	30	—
	Shields	29.33	38	WSW	2	b	29.38	—.09	34	33	— 4	N	3	chp	2	c,b		41	27	—
	Spurn Head ...	29.37	37	W	4	b	29.32	—.27	33	32	— 3	NNW	3	be	2	b		41	31	0.02
	Loughborough ...	29.44	34	WNW	3	o	29.32	—.35	32	32	— 4	2	o	of		cq,rs,o		41	31	0.30
	Malin Head ...	29.38	42	NW	6	rhq	29.53	+.16	41	40	+ 1	N	6	orhq	6	bcrhq		45	?38	0.25
	Blacksod Pt. ...	29.59	44	NW	5	bchq	29.67	+.09	44	40	+ 5	N	5	chq	6	chbq,2		44	37	0.12
	Donaghadee ...	29.43	36	NW	3	b	29.38	—.10	39	38	+ 4	NNE	6	oq	5	prsh,b		39	33	0.15
	Liverpool (Bidston)	29.41	40	W	6	be	29.32	—.27	34	34	— 5	2	o	c	?	hrp,be		42	34	0.30
	Holyhead	29.47	41	NW	7	cq	29.31	—.28	38	37	— 3	ENE	4	rhp	4	cpq,cq		42	36	0.10
	Parsonstown ...	29.60	37	W	1	b	29.52	—.12	40	36	+ 2	NW	3	bq		cp,b	3.9	42	35	0.05
	Valencia	29.76	46	NW	6	oq	29.66	—.15	45	42	— 1	NNW	7	opq	6	oqp.oq	0.0	47	42	0.24
	Roche's Point ...	29.69	42	NNW	6	rq	29.48	—.27	44	42	+ 2	NNW	7	bq	4	rq		45	40	0.16
	Pembroke (St. Ann's Hd.)	29.57	43	NW	6	be	29.26	—.45	44	40	— 4	NW	6	chqw	5	hp,be	0.5	45	38	0.11
	Scilly	29.66	48	WNW	8	oq	29.37	—.50	46	43	— 2	NNW	8	c	7	hrq,hp	0.0	50	42	0.21
	Jersey (St. Aubin's) ...	29.59	46	WNW	5	cqq	29.34	—.58	39	37	— 6	WNW	3	omp	3	o,cqhpl		47	37	0.27
	Portland Bill ...	29.50	43	NNW	7	bcq	29.32	—.51	42	40	— 1	NW	4	o	4	oq,bcq		45	39	—
	Dungeness	29.52	37	NW	3	b	29.30	—.48	32	30	— 5	NW	2	b	3	c.b		44	29	—
	London (Brixton) ...	29.45	37	WNW	2	be	29.26	—.51	33	32	— 3	ENE	1	ogm		be,cp,03	0.0	42	31	0.12
	Oxford	29.46	36	WSW	3	be	29.29	—.46	35	34	— 1	NW	1	orsp		be		42	32	0.02
	Yarmouth	29.40	35	WNW	4	r	29.28	—.37	30	30	— 6	WNW	2	bcw	3	be,rs		40	39	0.22
Germany	Cuxhaven																			
	Berlin	29.60	33	W	2	s	29.47	—.22	28	28	— 13	2	o	mw		s		41	28	0.24
	Wiesbaden						29.26	—.51	34	33	— 7	W	2	s				43	34	0.28
	Munich	29.65	33	W	6	s	29.32	—.60	31	30	— 1	E	5	o		s		36	30	0.08
France & Netherlands	The Helder ...																			
	Brussels						29.26	—.52	33	32	— 6	W	3	c		s		48	32	0.24
	C. Gris Nez ...	29.42	41	WSW	5	o	29.31	—.49	35	34	— 6	N	3	c	4	o		45	34	0.04
	Paris	29.57	41	SW	3	r	29.38	—.52	32	31	— 10	SW	2	b		r		47	30	0.24
	Brest	29.70	46	NW	6	r	29.43	—.62	43	42	— 4	NW	3	c	4	r		50	41	0.59
	Lorient	29.76	46	NW	6	r	29.42	—.62	42	41	— 4	NNW	2	o	5	r		50	41	0.63
	Rochefort	29.73	47	WNW	6	r	29.58	—.62	43	42	— 4	NE	3	r		o,r		50	41	0.43
	Belfort	29.72	35	SW	5	o	?	?	32	31	— 5	W	4	s		o		39	31	0.12
	Lyons	29.85	39	SSE	1	o	29.56	—.48	35	33	— 1	NNW	1	o		o		45	34	0.08
	Nice	29.57	48	NW	4	c	29.23	—.72	43	35	— 2	NW	7	b	4	c		50	43	—
	Perpignan	29.94	46	NW	3	be	29.60	—.48	43	42	— 9	NW	2	o		be		59	42	0.12
	Biarritz	30.04	53	W	7	r	29.64	—.54	51	49	+ 1	W	8	r	8	r		54	50	0.59
Span. Pen.	Corunna	30.32	54	NW	4	o	30.01	—.43	52	50	— 2	NW	7	f	8	o		55	48	7
	Lisbon	30.37	53	N	5	o	30.23	—.20	52	49	+ 1	NNW	4	c		o		59	61	—
	Azores (P. Delgada)	30.61	55	ENE	2	b	30.56	—.04	54	50	— 1	N	3	o	2	b		63	50	—

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

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

Bright Sunshine yesterday Southport 3.0 *hrs.*

WEATHER CHARTS

FOR *Sunday, 28th January, 1900*

BAROMETER, WIND AND SEA.

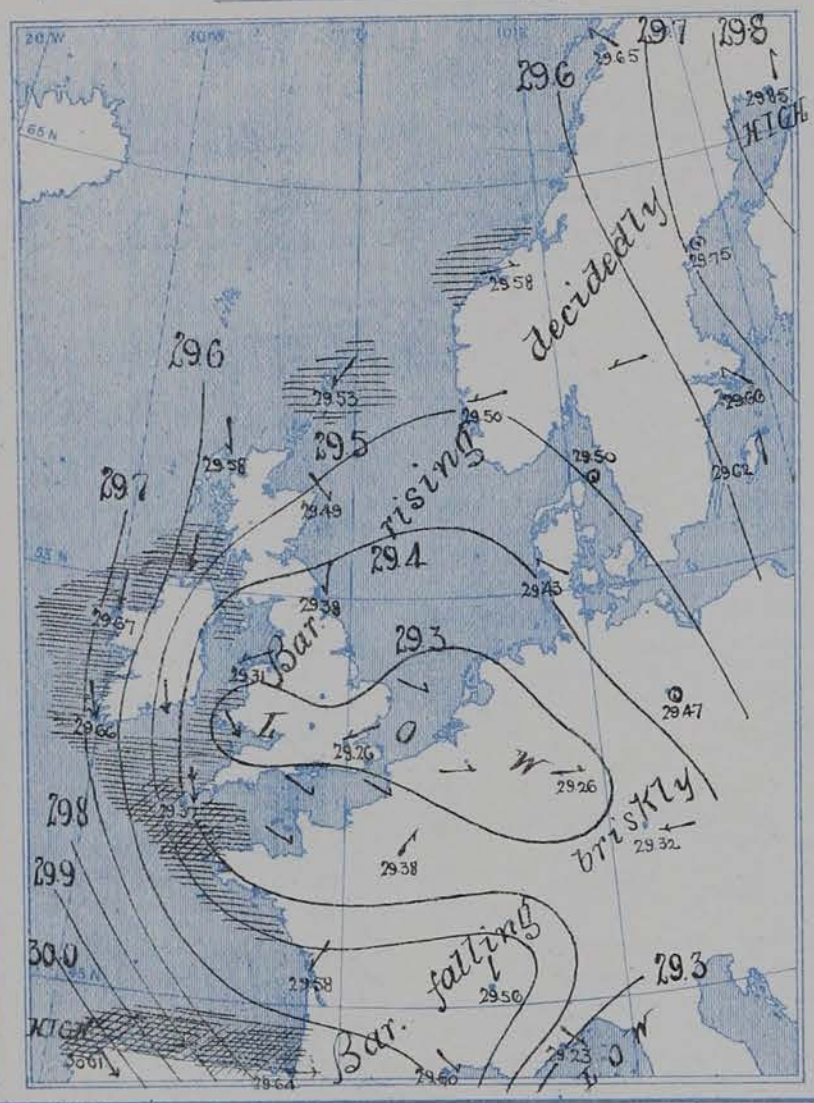
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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 AND 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	36·8	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	—	—	—	--	5·28	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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	44·9	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	29·930	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, 30·2 ins: and upwards in an anticyclone lying off the Portuguese coasts; 29·8 ins: and upwards in another system over Lapland.
Lowest, 29·3 ins: and less, in an elongated depression over the southern part of England, the Netherlands and Northwestern Germany.
Gradients rather steep over Ireland, the Bay of Biscay, and the Spanish Peninsula, moderate or slight elsewhere.
Barometer rising over Scandinavia and the northern parts of the United Kingdom, but falling elsewhere.

TEMPERATURE

Highest, 52° at Coruna and Lisbon, 51° at Biarritz, 46° at Scilly, 45° at Valencia (Ireland), and 44° at Blackrock[s] and Rockel Point.
Lowest, (1) 25° at Haparanda, and 30° at Bodö; (2) 28° at Berlin and 31° at Munich; (3) 30° at Yarmouth and 32° at Loughborough.
Frost occurred last night in many parts of the United Kingdom, the lowest readings reported being:—(1) In the screen 24° at Nairn and 27° at Wick and Shields; (2) On the grass 25° in London and 27° at Oxford.

WIND

Light from the N[W] over the northern parts of Great Britain, and strong from the same quarter in Ireland.
NW over the south of England and the greater part of France, with a gale at Scilly and also at Nice; at Biarritz there is a gale from N.
E or SE at most of the Scandinavian and Danish stations.

WEATHER

Cloudy and unsettled over Western Europe as a whole, with showers of hail or sleet in many parts of our Islands, rain in the west of France and snow at Karlstad, Wiesbaden and Belfort.
Fine in the eastern and southeastern parts of England and also in the northeast of France.
Since yesterday morning rain, hail or snow has fallen in most parts of Western Europe, the amounts of rain being rather large in the west of France. Thunder and lightning have occurred at Jersey and lightning only at Nairn and Blackrock Pier.

SEA

Very high at Biarritz, high at Scilly, and rough or rather so on our western and extreme northern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 29[th] JAN[Y] 1900

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 7.20 pm yesterday to districts 6 to 10 "Keep up Cone" The signals are still flying in districts 0 to 3 & 5.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.36	39	37	S	4	bc	2
Sumburgh Head	29.17	35	35	W	3	bp	6
Stornoway... ...	29.24	38	37	NW	5	c	5
Aberdeen	29.25	40	35	WNW	4	bcq	2
Shields	29.32	40	37	SW	2	c	2
Malin Head ...	29.38	37	37	NNW	6	bc	5
Blacksod Pt.. ...	29.60	42	39	NW	6	cfpq	6
Holyhead	29.47	42	38	W	7	cfq	5
Valencia	29.77	45	42	WNW	7	opq	7
Scilly	29.71	46	44	WNW	9	r	7
Jersey	29.69	44	42	W	5	oq	4
Portland Bill ...	29.58	43	41	NW	6	oq	6
Dungeness ...	29.53	44	41	W	5	c	4
London (Westminster)	29.61	43	40	SW	3	od	*
Yarmouth ...	29.48	40	38	SW	3	bc	*
Rochefort ...	30.12	50	47	WNW	5	o	*

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

Weather in morning fine in the eastern and central parts of the United Kingdom, but showery in the west and extreme north, with hail at Blacksod Pt and sleet at Sumburgh Head. Dull and unsettled over nearly the whole of the Continent, with rain in many parts of Denmark, Germany, France, and Austria, and snow at Hernösand. Fine in Spain and also in Algeria. Rain, hail, or snow falling later over nearly the whole of Western Europe – rather heavily in the west of France. Thunder and lightning occurring at Jersey and lightning seen at Nairn and Blacksod Point.

Temperature risen quickly in Sweden and slightly in France, Germany, and Austria, fallen elsewhere – briskly in our Islands. Morning readings highest 56° at La Galle, 54° at Malta, and 51° at Lisbon, Oran, and Algiers; above 45° on our own extreme south west coasts. Lowest 6° at Archangel, 10° at Haparanda, and 11° at Moscow; below the freezing point over Sweden and Russia generally. Daily maxima below 40° at some of our own extreme northern stations, and below 45° at all but our southwest coasts; thermometer exceeding 50° in the south of France. Frost occurring over Great Britain at night.

Wind strong to a gale from the W^ard or NW^ard on our western coasts and fresh from the same quarters over the English Channel and the west and south of France. Light to moderate from the SW^ard on the east coasts of Great Britain and also over Denmark and Germany: SE 3 over Sweden and Russia: E 3 in the west of Norway, Variable in Italy. No important change occurring over Western Europe during day.

Barometer highest 30·4 in: and upwards in an anticyclone over the western and central parts of the Spanish Peninsula; 30·0 in: and upwards in another system over Central Russia. Lowest 29·2 in: and less in a large but somewhat shallow depression off the north of Scotland: 29·8 in: and less, in a large shallow area over the Black Sea and Asia Minor. Depression in north subsequently spreading southwards: new area of low pressure forming over the southern parts of England towards night.

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, 29th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. 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	30·05	29	S	2	0	30·18	+·33	16	15	− 9	NNW	4	0	•	0	•	30	12	-
	Hernösand	30·02	31	Z	0	0	30·21	+·46	29	28	− 3	Z	0	0	•	0	•	32	27	-
	Stockholm	29·88	31	E	2	0	30·10	+·44	31	31	− 3	NNE	2	0	•	0	•	34	30	-
	Wisby	29·84	33	ESE	4	b	29·95	+·33	33	32	− 1	E	4	c	•	b	•	34	30	-
	Karlstad	29·88	33	NE	2	0	30·11	+·58	31	30	− 2	NE	4	0	•	0	•	•	•	0·08
	Bodö	30·11	27	E	2	b	30·21	+·56	23	20	− 7	E	4	b	1	b	•	30	21	-
	Christiansund ...	29·90	33	ESE	2	bc	30·16	+·58	29	28	− 5	ESE	1	b	5	bc	•	36	27	0·04
	Skudesnaes ...	29·76	33	Z	0	bc	30·06	+·56	32	31	− 1	E	1	b	1	bc	•	36	32	•
	Færder (X'iania Fjord)	29·76	34	ENE	4	•	30·09	+·57	32	31	+ 1	N	4	0	1	0	•	34	30	0·04
	The Scaw (Skagen)	29·75	36	ESE	2	0	29·99	+·49	34	34	0	ENE	4	0	1	0	•	36	34	0·08
	Fanö	29·67	33	NE	4	0	29·81	+·38	34	33	+ 4	NE	6	c	•	0	•	34	30	-
British Islands	Sumburgh Head ...	29·81	38	NNE	3	c	30·06	+·53	41	39	+ 4	NE	3	r	5	c	•	43	35	0·20
	Stornoway	29·96	40	NNE	5	r	30·09	+·51	37	36	0	NNE	4	c	4	c.r	3·0	44	34	0·03
	Wick	29·89	40	NE	4	c	30·02	+·50	40	39	+ 2	E	4	c	4	c	•	42	32	0·10
	Nairn	29·92	39	NNW	3	s	30·00	+·48	40	40	+ 4	NNW	3	r	3	r s p	•	41	33	0·14
	Aberdeen	29·84	36	N	3	b	30·00	+·51	39	37	+ 7	ENE	4	bc q	5	b.r h	2·9	41	32	0·25
	Leith	29·73	37	NE	3	b	29·95	+·50	38	37	+ 2	N	2	0	•	b	•	41	35	0·02
	Shields	29·66	43	NE	4	c r s p	29·86	+·48	36	36	+ 2	NW	3	o p	3	r s p. h	•	43	82	0·10
	Spurn Head ...	29·54	39	NE	6	bc	29·82	+·50	39	36	+ 6	NE	4	b	4	bc	•	41	31	0·10
	Loughborough ...	29·53	36	N	3	0	29·86	+·54	31	31	− 1	NW	1	c	•	f. c. o. b	•	37	31	-
	Malin Head ...	29·88	43	N	6	b p	30·04	+·51	43	43	+ 2	N	5	c p	4	b. p	•	43	?35	0·04
	Blacksod Pt. ...														•		•			
	Donaghadee ...	29·78	42	NNE	4	c	29·97	+·59	42	39	+ 3	NNE	5	b c q	5	c	•	43	38	-
	Liverpool (Bidston)	29·63	37	N	4	0	29·93	+·61	38	36	+ 4	NNW	2	0	2	r h p	•	39	33	0·01
	Holyhead	29·65	41	NE	6	o s h p	29·95	+·62	42	38	+ 4	NE	4	c	3	o, s h p	•	42	37	0·56
	Parsonstown ...	29·85	37	N	1	b	30·08	+·56	28	28	− 12	NW	1	b	•	c. b	4·7	42	28	-
	Valencia	29·92	45	N	7	c q	30·12	+·46	42	38	− 3	NNE	4	b c	4	c p	4·7	48	40	0·02
	Roche's Point ...	29·78	41	N	6	b	30·07	+·59	37	35	− 1	N	3	b	3	r s q. b	•	45	36	0·05
	Pembroke (St. Ann's Hd.)	29·62	39	NE	6	c	29·93	+·67	38	36	− 3	NE	3	b c	3	o, c	0·6	45	35	0·08
	Scilly	29·47	44	NNW	10	0	29·85	+·48	44	40	− 2	NNE	6	c	6	c. o, l	2·8	48	39	0·16
	Jersey (St. Aubin's) ...	29·32	39	NNE	5	c q	29·66	+·32	41	38	+ 2	NE	7	c m	5	s r h p. c p	•	45	36	0·48
	Portland Bill ...	29·44	37	[illegible]	2	b	29·76	+·44	36	34	− 6	NNE	4	c	3	b	•	42	34	0·07
	Dungeness	29·27	37	N	3	r	29·64	+·34	38	37	+ 6	NE	6	r	6	b, r	•	41	30	0·11
	London (Brixton) ...	29·38	36	[illegible]	[illegible]	r	29·75	+·49	37	35	+ 4	N	4	c	•	s, b, r s q	0·7	39	33	0·16
	Oxford	29·53	36	[illegible]	[illegible]	0	29·82	+·53	35	34	0	N	3	c	•	o. b, o	•	39	34	0·01
	Yarmouth	29·33	38	ENE	[illegible]	[illegible]	29·69	+·41	38	36	+ 8	NE	6	c q	5	c. o	•	39	28	0·11
Germany	Cuxhaven	29·47	34	E	2	0	29·62		35	34		NE	4	0	•	0	•	36	30	0·04
	Berlin	29·47	36	NE	2	r	29·56	+·09	36	35	+ 8	NE	3	0	•	r	•	39	28	0·04
	Wiesbaden	•	•	•	•	•	29·36	+·10	37	35	+ 3	NE	4	r	•	•	•	37	34	0·24
	Munich	29·16	30	SW	1	S	29·25	−·07	29	29	− 2	Z	0	0	•	•	•	34	27	0·24
France & Netherlands	The Helder ...	29·51	35	ENE	6	0	29·63		37	36		NNE	4	r	4	0	•	37	34	0·08
	Brussels	•	•	•	•	•									•		•			
	C. Gris Nez ...	29·26	38	NE	4	r	29·61	+·30	37	36	+ 2	E	6	0	6	r	•	41	34	0·16
	Paris	29·30	35	NNW	2	•	29·47	+·09	33	33	+ 1	N	3	S	•	r	•	41	32	0·04
	Brest	29·40	43	NNW	6	c	29·70	+·27	41	39	− 2	NNE	5	c	4	c	•	46	36	0·63
	Lorient	29·35	41	NW	6	r	29·64	+·22	39	37	− 3	NNE	5	c	5	r	•	46	39	0·20
	Rochefort	29·29	45	NNW	3	0	29·54	+·03	37	35	− 6	NE	4	0	•	0	•	48	34	0·32
	Belfort	29·28	30	Z	0	0	29·30	·00	26	24	− 6	W	2	0	•	0	•	38	24	0·12
	Lyons	29·32	35	NE	1	0	29·38	−·18	35	28	0	NNW	2	0	•	0. S	•	39	28	-
	Nice	29·10	42	NW	1	0	29·08	−·15	34	31	− 9	E	2	b c	4	0	•	52	34	-
	Perpignan	29·26	36	NE	2	0	29·28	−·32	33	33	−10	W	2	0	•	0	•	47	32	0·63
	Biarritz	29·41	50	NW	7	r	29·48	−·16	38	37	− 13	ENE	3	r l	8	r	•	54	36	0·43
Span. Pen.	Corunna														•		•			
	Lisbon	29·97	52	?	5	r	29·99	−·24	50	45	− 2	N	4	c	•	r	•	57	48	0·04
	Azores (P. Delgada)	30·52	55	NNE	4	c	30·44	−·12	53	50	− 1	N	3	b c	2	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·9 hrs.

WEATHER CHARTS

FOR Monday, 29th January, 1900.

BAROMETER, WIND AND SEA.

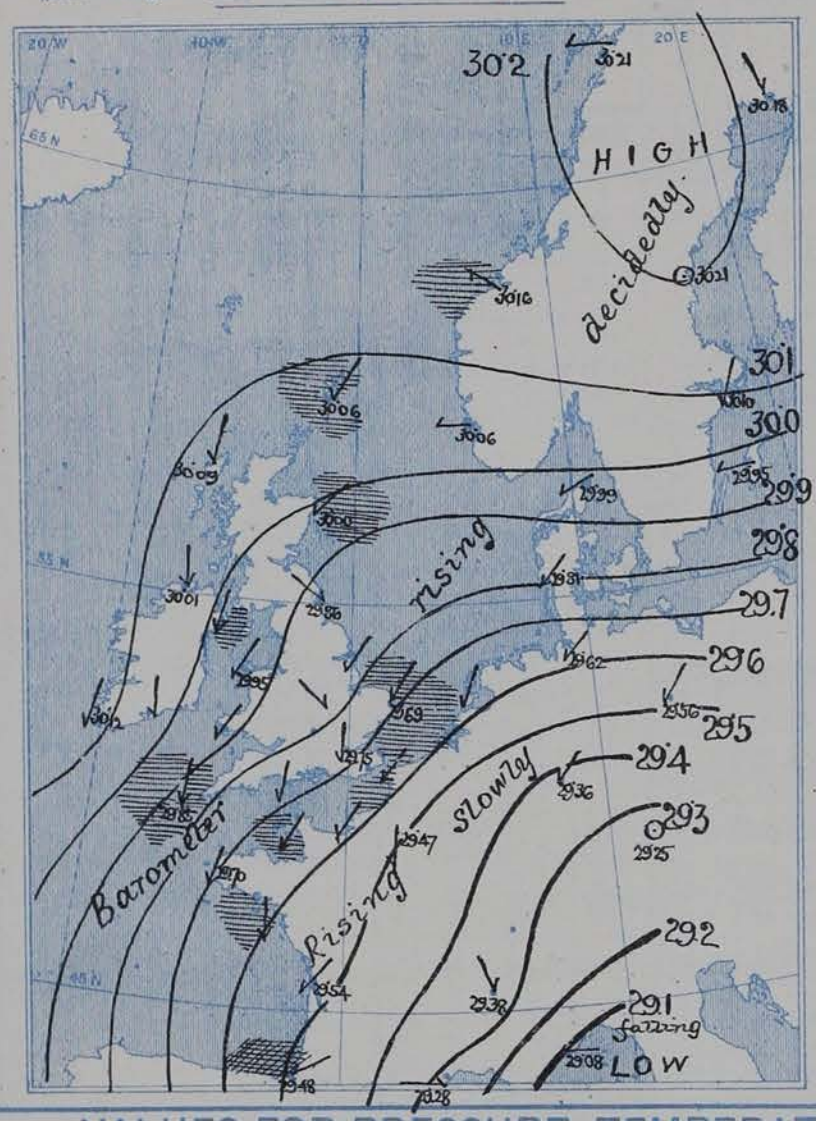
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

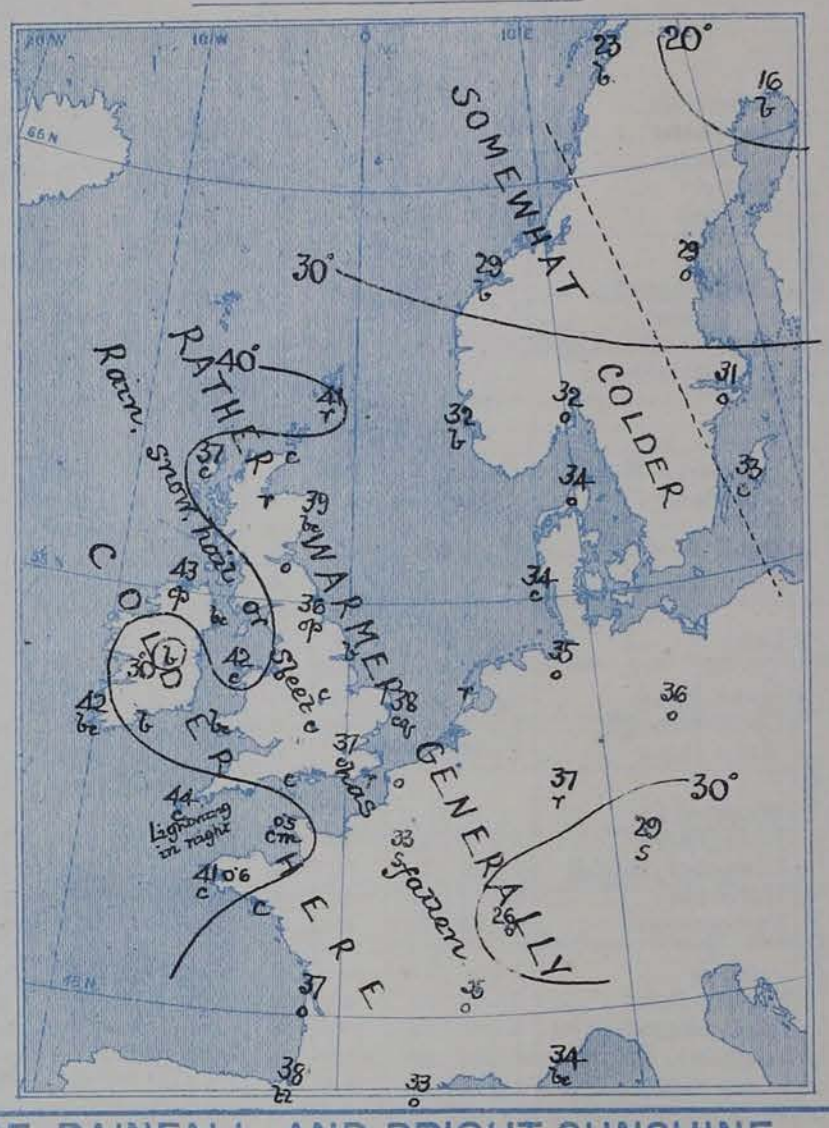


TEMPERATURE AND WEATHER.

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	14	1881	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, 30·2 ins: and upwards in the north of Scandinavia; 30·1 ins: and upwards over nearly the whole of Scandinavia and also in the west of Ireland.
Lowest, 29·1 ins: and less, in a depression over the Gulf of Genoa.
Gradient moderate to rather steep over the southern parts of our area, but slight in the west and north.
Barometer rising generally.

TEMPERATURE

Highest (1) 50° at Lisbon; (2) 44° at Scilly, 43° at Malin Hd., 42° at Donaghadee, Valencia (Ireland) and Holyhead.
Lowest, (1) 16° at Haparanda and 23° at Bodo; (2) 25° at Parsonstown and 31° at Loughborough; (3) 26° at Belfast and 29° at Munich.
Frost occurred last night in many parts of the United Kingdom; the lowest readings reported being:—(1) In the screen 28° at Parsonstown and Yarmouth and 30° at Dungeness; (2) On the grass 24° at Loughborough.

WIND

Chiefly NE^{ly}, and strong in force on several of the more exposed parts of our south and east coasts.
E. in the west of Norway, and temporarily NW. at Hurn and Shields.

WEATHER

Fair or fine over a considerable portion of the United Kingdom and also in the west of Norway, but rain or passing showers reported at several of our northern stations.
Dull over the western parts of the Continent generally, with rain at Wiesbaden, snow at Paris, and a thunderstorm at Biarritz.
Snow, hail, or sleet fell yesterday in most parts of Great Britain, and rain over France, Germany, and the Netherlands. Lightning was seen at Scilly at night.

SEA

Rough or rather so on most parts of our eastern, southern and the French coasts, and very high at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system noticed yesterday over our southern districts has travelled away to the southeastward and a large anticyclone is apparently spreading over our Island from the westward and northward. A gradual improvement in the weather is probable, but for the present the conditions over Great Britain are likely to remain somewhat unsettled, with cold showers in places.

FORECASTS

For the 24 hours ending at NOON on 30th JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N^{ly} and NE^{ly} winds, moderate; changeable, some cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	N^{ly} and NE^{ly} winds, moderate or fresh; fair generally, but local showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 3 to 5.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	N^{ly} or NE^{ly} winds, moderate or fresh; fair generally.
10	IRELAND SOUTH	
	WARNINGS	At 10·30 am 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.66	35	33	NNW	1	c	2
Sumburgh Head	29.75	40	38	NNE	2	c	5
Stornoway... ...							
Aberdeen							
Shields							
Malin Head ...	29.73	42	41	NE	6	b	5
Blacksod Pt.. ...							*
Holyhead	29.54	40	38	NE	6	o	4
Valencia							
Scilly	29.40	[illegible]	41	NNW	10	c	7
Jersey	29.23	44	41	WSW	4	c	3
Portland Bill ...							
Dungeness ...	29.27	39	36	NNW	3	b	2
London (Westminster)							*
Yarmouth ...	29.28	37	36	NE	4	c	*
Rochefort ...	29.41	42	41	NE	2	o	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 21ST TO THE 27TH JANY 1900.

During the early part of the week barometrical pressure was highest in an anticyclone of growing intensity lying over and to the southwestwards of the Spanish Peninsula, and high in another system of diminishing intensity over the central and southern part of Russia. In the northwestern and northern countries the weather was affected by depressions which advanced from the Atlantic, those of the 21st and 24th being "V shaped" and passing directly eastwards over our Islands and the North Sea, while that of the 22nd was of a more ordinary form, its centre skirting our northern coasts and afterwards travelling on to Norway. Each of these disturbances occasioned very strong winds or gales from SW. veering to NW. first in our Islands and later on over northern Europe, while rain fell generally, though not in any great quantity.

After the 24th the Spanish high pressure system spread northwards over France and the southern parts of our Islands, while the Russian anticyclone broke up. These changes were, however, purely temporary. Early on the 26th a large depression advanced to our extreme northwest coasts, and later on this system spread eastwards and southwards over nearly the whole of northwestern Europe, strong winds from SW. veering to NW. again becoming general, with rain in most places, and sleet or hail in many parts of Great Britain.

At the close of the week a separate area of low pressure was forming over the south of our Islands, and the general distribution over Western Europe was, therefore, becoming very complicated.

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 Tuesday 30th January, 1900.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. 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	30·43	2	NE	2	b	30·58	+ ·40	−3	−5	− 19	L	0	b	*	b	*	28	?	0·04
	Hernösand	30·38	24	N	2	o	30·48	+ ·27	16	16	− 13	N	2	o	*	o	*	30	?	—
	Stockholm	30·22	30	ENE	4	o	30·16	+ ·06	25	25	− 6	NNE	6	o	*	o	*	32	25	—
	Wisby	30·02	31	E	6	o	29·97	+ ·02	32	32	− 1	E	4	s	*	o	*	34	27	0·04
	Karlstad	30·20	32	NE	6	o	30·19	+ ·08	30	28	− 1	NE	6	o	*	o	*	*	*	—
	Bodö	30·39	25	E	2	b	30·44	+ ·23	26	22	+ 3	ENE	4	b	1	b	*	27	21	—
	Christiansund ...	30·26	30	ESE	3	b	30·19	+ ·03	29	27	0	ESE	2	b	4	b	*	32	27	—
	Skudesnaes ...	30·19	33	ENE	2	b	30·11	+ ·05	30	27	− 2	N	2	b	1	b	*	39	28	*
	Færder (X'iania Fjord)	30·18	32	NNE	4	o	30·15	+ ·06	31	29	− 1	N	6	o	2	o	*	32	30	—
	The Scaw (Skagen)	30·07	34	ENE	4	o	30·02	+ ·03	33	33	− 1	ENE	5	o	1	o	*	36	33	—
	Fanö	29·91	34	NE	6	o	29·84	+ ·03	31	30	− 3	NE	6	o	*	o	*	34	31	0·08
British Islands	Sumburgh Head ...	30·17	37	NNE	1	c	30·08	+ ·02	39	37	− 2	NNE	1	o	4	c	*	44	33	0·01
	Stornoway	30·40	37	SE	3	c	30·07	− ·02	37	36	0	SE	3	o	3	o.c	3·1	44	34	—
	Wick	30·12	40	E	2	bc	30·06	+ ·04	38	38	− 2	E	2	o	3	bc	*	43	33	0·02
	Nairn	30·12	33	E	1	o	30·04	+ ·04	38	37	− 2	E	1	o	1	o	*	43	32	0·07
	Aberdeen	30·11	38	E	5	c	30·04	+ ·04	38	35	− 1	E	4	ogq	6	pq, bc, c, b	3·3	41	34	0·09
	Leith	30·04	38	E	1	r	29·98	+ ·03	37	36	− 1	NNE	2	s	*	r	*	43	35	0·09
	Shields	29·97	39	NE	3	op	29·86	+ ·02	38	37	+ 2	NE	4	op	4	c, op	*	41	33	0·07
	Spurn Head ...	29·82	37	NE	6	c	29·74	− ·08	36	36	− 3	NE	6	r	5	c. q	*	41	35	0·10
	Loughborough ...	29·86	36	NNE	3	o	29·80	− ·06	34	34	+ 3	N	2	ogmd	*	o. bc, op	*	39	31	0·08
	Malin Head ...	30·02	40	E	4	bp	29·96	− ·08	40	40	− 3	E	4	c	3	r. bp	*	43	37	004
	Blacksod Pt. ...	30·02	43	NNE	3	bp	29·90	− ·19	36	34	− 4	NE	4	b	3	bc, bp	*	45	32	0·04
	Donaghadee ...	30·01	41	ENE	4	c	29·94	− ·03	40	38	− 2	ENE	5	cq	5	cp	*	43	37	—
	Liverpool (Bidston)	29·95	35	N	1	c	29·86	− ·07	35	34	− 3	N	2	o	2	cm	*	40	34	—
	Holyhead	29·94	40	ENE	3	cpa	29·86	− ·09	40	37	− 2	ENE	3	cm	2	o, pa	*	43	37	—
	Parsonstown ...	29·99	37	NW	1	c	29·90	− ·18	31	30	+ 3	NW	1	o	*	c	3·9	43	26	0·01
	Valencia	30·01	39	NE	1	c	29·81	− ·31	37	34	− 5	ENE	2	b	3	bc, c	6·5	46	28	—
	Roche's Point ...	30·00	42	N	2	b	29·87	− ·20	33	32	− 4	NNE	2	b	2	b	*	45	32	—
	Pembroke (St. Ann's Hd.)	29·92	40	NE	4	c	29·84	− ·09	38	36	0	NE	3	cq	2	c	5·6	42	35	003
	Scilly	29·87	45	N	5	c	29·74	− ·11	43	40	− 1	ENE	2	chp	3	c	6·0	47	39	005
	Jersey (St. Aubin's) ...	29·73	42	NNW	5	cq	29·69	+ ·01	41	39	0	NNE	3	cq	3	cq. p	*	43	40	0·10
	Portland Bill	29·81	38	NNE	4	cm	29·72	− ·04	37	36	+ 1	NE	3	o	3	cm	*	40	34	—
	Dungeness	29·62	39	NE	6	r	29·61	− ·03	36	36	− 2	NNE	3	r	4	r	*	40	35	0·31
	London (Brixton) ...	29·72	39	N	4	oa	29·68	− ·07	37	35	0	N	4	c	*	o, a, c	0·1	40	36	0·01
	Oxford	29·80	36	NE	3	o	29·74	− ·08	36	35	+ 1	N	2	o	*	o, a	*	39	34	0·01
	Yarmouth	29·70	39	NE	6	rq	29·65	− ·04	38	36	0	NE	6	orq	6	c, rq	*	40	34	0·10
Germany	Cuxhaven	29·73	36	ENE	6	o	29·63	+ ·01	34	33	− 1	NE	6	o	*	o	*	37	32	0·04
	Berlin	29·62	34	ENE	4	r	29·53	− ·03	34	33	− 2	E	4	o	*	r	*	36	34	—
	Wiesbaden	*	*	*	*	*	29·39	− ·06	33	32	− 4	NNW	6	s	*	*	*	39	32	0·12
	Munich	29·21	30	N	5	o	29·25	·00	28	28	− 1	SW	4	o	*	o	*	32	25	0·24
France & Netherlands	The Helder ...	29·68	37	NE	5	o	29·61	− ·02	36	35	− 1	NE	5	o	4	o	*	37	36	—
	Brussels	*	*	*	*	*	29·52	− ·03	33	32	+ 2	NNE	4	o	*	s	*	36	31	0·04
	C. Gris Nez ...	29·61	37	E	6	r	29·58	− ·03	36	35	− 1	NE	5	r	5	r	*	42	34	0·20
	Paris	29·50	33	N	3	r	29·50	+ ·03	35	34	+ 2	NNW	4	r	*	r	*	36	33	0·08
	Brest	29·82	43	NE	3	o	29·74	+ ·04	39	37	− 2	NNE	2	bc	1	o	*	45	36	0·28
	Lorient	29·75	41	NNE	6	c	29·71	+ ·07	40	39	+ 1	N	4	c	3	c	*	45	36	0·04
	Rochefort	29·67	39	N	5	r	29·65	+ ·11	41	39	+ 4	N	6	o	*	o. r	*	45	32	0·04
	Belfort	29·31	29	E	0	s	29·31	+ ·01	29	29	+ 3	W	2	s	*	s	*	31	26	0·12
	Lyons	29·39	32	NW	3	o	29·45	+ ·07	32	31	− 3	NW	1	s	*	o	*	35	31	0·16
	Nice	29·12	37	ENE	2	b	29·22	+ ·14	36	31	+ 2	E	2	c	3	b	*	48	34	—
	Perpignan	29·45	38	W	3	bc	29·55	+ ·27	37	35	+ 4	W	3	o	*	bc	*	42	33	0·04
	Biarritz	29·69	43	NNE	6	o	29·69	+ ·21	46	45	+ 8	N	5	r	5	o. bc	*	46	28	0·04
Span. Pen.	Corunna																*			
	Lisbon	30·06	46	NNW	4	b	29·99	·00	46	43	− 4	SSE	1	w	*	b	*	52	45	0·04
	Azores (P. Delgada)	30·36	54	NW	3	bc	30·21	− ·23	54	49	+ 1	NNW	3	c	3	bc	*	57	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 4·4 *hrs.*

WEATHER CHARTS

FOR Tuesday, 30th January, 1900.

BAROMETER, WIND AND SEA.

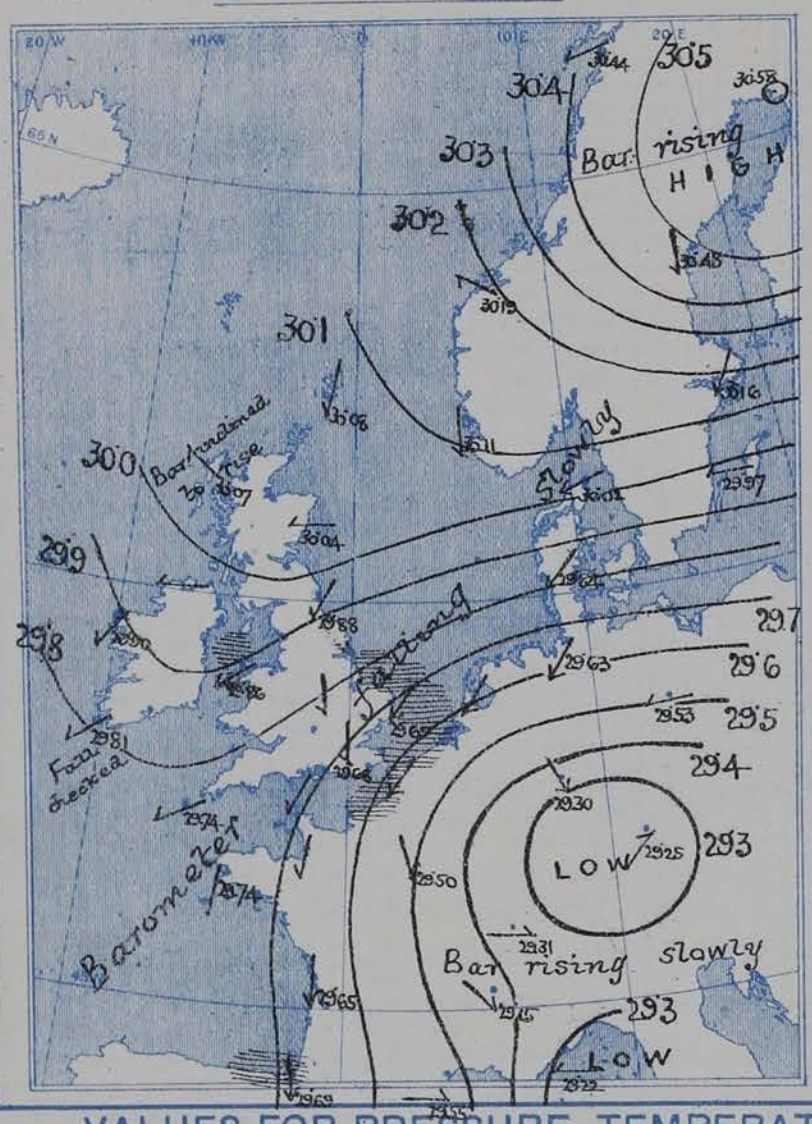
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

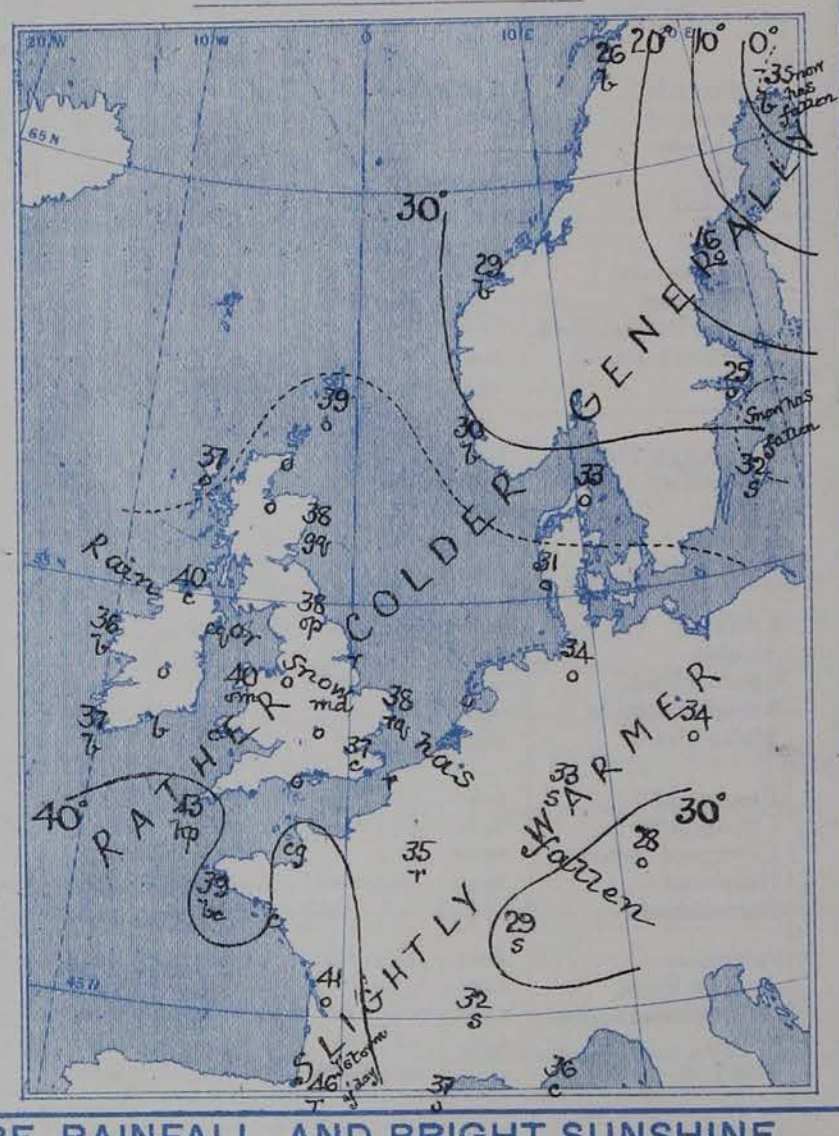


TEMPERATURE AND WEATHER.

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 Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·676	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	—	—	—	—	5·28	—	—
Donaghadee	29·854	39·7	38·9	44·2	35·8	55	1875, 80, 89, 92	14	1881	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	29·930	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. to 30.1 ins. over Scandinavia, and exceeding 30.0 ins. over Scotland.
Lowest 29.3 ins. and less over the Riviera, and also in a depression of moderate depth over central Europe.
Gradients rather steeper over N. Germany than elsewhere.
Barometer rising over N^rn Europe, falling in our Islands.

TEMPERATURE

Highest 46° at Biarritz, 43° at Scilly, 41° at Jersey, 40° at Holyhead and Malin H.
Lowest (1) −3° at Haparanda, +16° at Hernösand, 25° at Stockholm; (2) 34° at Berlin and also at Loughborough; 31° at Parsonstown.
It rose to rather above 40° at all our own stations yesterday to 46° at Valencia, 47° at Scilly; 48° at Nice, but fell to several degrees below the freezing point in the centre and S. of Ireland in the night.

WIND

E.^{by}N.; light, over Scotland and the greater part of Ireland, NE.^{by}E. over Gt Britain and the North Sea (strong in the latter region); N.^{by}E.; moderate over the Bay of Biscay; NW.^{by}W. over the east of France, SW.^{by}W. at Munich.

WEATHER

Very variable; fine and bright in Ireland, dull over England, with slight hail and snow showers in places. Rain and snow are falling over France.
Rain or snow fell yesterday all over France and Germany, and slight cold showers over Gt. Britain, but none to speak of in Ireland or Scandinavia.
Bright Sunshine yesterday exceeded 6 hrs. at Valencia and Scilly, and 4 hrs. on our NW. coasts. In London there was very little.

SEA

Rough in the E. and SE., slight on our W. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of keen E.^{by}N. winds is still probable, with squally weather and cold showers at times on our E. and SE. coasts.

FORECASTS

For the 24 hours ending at NOON on 31ST JANUARY 1900

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E.^{by}N. winds, moderate; fair as a whole, colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE.^{by}E. winds, fresh to strong; cold, some cold showers.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Similar to Nos. 0 and 1, but slight cold showers locally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·17	39	36	E	2	b	1
Sumburgh Head	30·14	41	39	2	0	c	4
Stornoway... ...	30·08	42	41	ESE	3	o	3
Aberdeen	30·08	39	37	ENE	4	bc	5
Shields	29·95	41	37	NE	2	cp	3
Malin Head ...	30·00	41	41	E	5	r	4
Blacksod Pt.. ...	30·06	44	41	NNW	3	bc	3
Holyhead	29·91	42	38	NE	3	c	3
Valencia	30·05	46	41	N	1	bcv	4
Scilly	29·89	45	40	NNE	5	c	4
Jersey	29·74	43	38	? N	6	c	4
Portland Bill ...	29·80	40	38	NNE	5	om	4
Dungeness ...	29·59	39	38	NE	6	r	6
London (Westminster)	29·73	40	36	N	5	bcw	*
Yarmouth ...	29·70	40	38	NE	5	c	4
Rochefort ...	29·63	39	37	NE	5	o	*

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

Weather in morning very variable; fine and bright over Ireland and Norway, dull over other parts of our Islands and Continental Europe, with rain in several places, snow in others, fog at Prague, thunder and lightning at Biarritz. Cold showers later in most parts of Gt. Britain, (most at Dungeness) and also at the French and German stations, still fine, generally, over Ireland and Scandinavia.

Temperature falls over central Europe – Morning readings highest (1) 58° at Palermo, 56° at Algiers; (2) 44° at Scilly, 42° at Valencia; 43° at Malin H. Lowest 15° at Moscow, 16° at Haparanda, 18° at Kharkov; 29° at Christiansund, 31° at Karlstad; (2) 28° at Parsonstown, 31° at Loughborough. Rising later to 40° and more almost all over our Islands, (1) to 46° at Valencia, 47° at Scilly; (2) to 45° on the W. coast of France, 46° at Biarritz, 48° at Nice.

Wind was E. 4 and NE. 4 all over northern Europe, more N. 7 in our Islands and over France; W. 4 to S. 4 over the Mediterranean, SE. 4 to S. 4 over Hungary and the south of Russia. Blowing rather strongly over the North Sea.

Barometer highest (1) 30.3 ins. and more to 30.1 ins. over central Russia, and 30.2 ins. and more to 30.1 ins. over the Nrn. parts of Scandinavia; (2) 30.1 ins. and more in the SW. of Ireland, and 30.0 ins. at Lisbon. Lowest 29.1 ins. and less to 29.4 ins. in a depression over the NE. of the Mediterranean and the surrounding countries. Beginning to fall in Ireland later, rising on the Continent.

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.

† 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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for 8 a.m. on Wednesday, 31st January, 1900.

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	30.65	-6	NNW	2	b	30.64	+.06	-14	-15	-11	N	2	b	•	b	•	5	-14	-
	Hernösand	30.55	13	W	0	b	30.47	-.01	12	12	-4	NE	2	b	•	b	•	25	10	-
	Stockholm	30.16	26	SE	4	0	30.04	-.12	21	21	-4	NE	8	o	•	o	•	28	21	0.04
	Wisby	29.97	30	E	8	0	29.78	-.19	30	29	-2	E	6	s	•	o	•	34	27	-
	Karlstad	30.23	26	NNE	8	0	30.08	-.11	20	19	-10	N	8	o	•	c	•	•	•	-
	Bodö	30.46	24	E	4	b	30.45	+.01	23	20	-3	E	4	b	1	b	•	26	21	-
	Christiansund	30.22	32	ESE	2	b	30.20	+.01	29	23	0	ESE	4	b	4	b	•	34	27	-
	Skudesnaes	30.15	34	ENE	2	b	30.12	+.01	31	27	+1	ENE	2	b	1	b	•	37	28	•
	Færder (X'iania Fjord)	30.25	24	NNE	1	b	30.13	-.02	20	19	-11	NNE	1	c	3	b	•	31	19	-
	The Scaw (Skagen)	30.06	29	E	6	s	29.99	-.03	25	25	-8	ENE	6	o	2	s	•	34	23	-
	Fano	29.86	32	NE	6	o	29.84	-.00	28	28	-3	NE	6	o	•	c	•	32	28	-
British Islands.	Sumburgh Head	30.11	39	NE	2	o	30.09	+.01	36	35	-3	W	0	o	4	o	•	41	34	0.01
	Stornoway	30.07	39	ESE	2	o	30.08	+.01	36	35	-1	W	2	o	2	o	0.0	41	33	0.03
	Wick	30.08	38	E	2	o	30.08	+.02	34	33	-4	N	1	o	3	o	•	40	33	0.03
	Nairn	30.07	37	E	1	o	30.08	+.04	34	34	-4	W	0	o	0	o	•	41	32	-
	Aberdeen	30.08	35	E	5	qprh	30.07	+.03	35	34	-3	NNE	3	oq	5	oqqprh	0.3	46	34	0.05
	Leith	29.99	39	ENE	3	o	30.03	+.05	38	37	+1	E	3	o	•	o	•	40	36	0.05
	Shields	29.90	39	NE	4	op	29.96	+.08	38	37	0	NE	5	op	5	oqp.p	*	40	36	0.15
	Spurn Head	29.74	38	NE	6	c	29.86	+.12	38	37	+2	NE	5	c	5	c.qr	•	41	35	0.05
	Loughborough	29.79	37	NE	2	o	29.87	+.07	35	35	+1	NNE	1	oqm	•	oqp.om	•	38	34	0.04
	Malin Head	29.99	40	ENE	5	oprs	30.02	+.06	40	38	0	E	4	c	3	c.rsp	*	41	39	-
	Blacksod Pt.	29.93	39	ENE	4	c	29.97	+.07	40	38	+4	NE	4	c	3	bc.c	*	41	34	-
	Donaghadee	29.93	41	NE	5	oqp	30.01	+.07	40	39	0	NE	5	oq	5	oqp	*	42	38	-
	Liverpool (Bidston)	29.85	35	N	2	o	29.92	+.06	37	35	+2	N	2	o	?	om	•	39	35	-
	Holyhead	29.84	39	NE	3	cpm	29.91	+.05	39	37	-1	ENE	3	qp	2	c.cmp	•	40	37	0.03
	Parsonstown	29.89	36	NE	1	c	29.94	+.04	37	36	+6	NE	1	r	*	c	3.1	40	26	0.02
	Valencia	29.84	38	ENE	2	bc	29.89	+.08	39	37	+2	ENE	3	o	3	b.bc	7.2	44	36	*
	Roche's Point	?29.82	39	NE	3	bc	29.87	.00	39	37	+6	NE	3	c	3	bc	*	44	33	-
	Pembroke (St. Ann's Hd.)	29.79	38	NE	3	c	29.85	+.01	38	37	0	NE	3	c	2	c	1.7	44	37	-
	Scilly	29.71	41	ENE	1	c	29.75	+.01	42	40	-1	E	3	c	2	c	2.0	47	39	-
	Jersey (St. Aubin's)	29.69	42	NE	2	oq	29.74	+.07	42	40	+1	NE	3	om	3	rp.o	*	44	39	c.02
	Portland Bill	29.73	38	NNE	2	c	29.79	+.07	37	35	0	NE	3	o	3	c	*	41	34	-
	Dungeness	29.61	37	NNE	3	r	29.73	+.12	39	38	+3	E	3	o	3	o.r	*	40	35	0.11
	London (Brixton)	29.70	38	N	3	oq	29.78	+.10	37	36	0	NNE	1	oq	*	oq.q	0.0	40	36	-
	Oxford	29.76	37	N	2	o	29.83	+.09	36	35	0	NNE	3	o	*	ors.qp	*	37	35	-
	Yarmouth	29.66	38	ENE	6	r	29.78	+.13	37	36	-1	NE	5	cqr	5	s.qrs	*	38	35	0.11
France & Netherlands. Germany.	Cuxhaven	29.64	36	NE	6	o	29.69	+.06	32	32	-2	NE	6	os	•	o	•	36	30	-
	Berlin	29.49	33	NE	3	s	29.40	-.13	32	31	-2	NNE	3	s	•	s	•	36	30	0.28
	Wiesbaden	•	•	•	•	•	29.56	+.26	35	33	+2	N	2	s	•	•	•	36	33	0.12
	Munich	29.46	27	SW	5	b	29.60	+.35	27	26	-1	SW	4	o	•	b	•	34	23	-
	The Helder	29.63	37	NE	1	o	29.73	+.12	36	34	0	NE	4	o	3	o	•	37	36	-
	Brussels	•	•	•	•	•	29.70	+.18	32	32	-1	NNE	2	s	•	s	•	35	31	0.12
	C. Gris Nez	29.60	37	E	1	r	29.73	+.15	35	34	-1	E	2	r	4	r	•	41	34	0.28
	Paris	29.56	34	NNW	3	r	29.69	+.19	34	33	-1	NNE	2	m	•	r	•	36	34	0.04
	Brest	29.70	40	NE	2	o	?29.68	-.06	39	38	0	ENE	1	o	1	o	•	46	36	-
	Lorient	29.69	41	NNE	3	c	29.72	+.01	39	38	-1	ENE	3	o	2	c	•	45	37	-
	Rochefort	29.73	43	NW	4	b	29.76	+.11	35	34	-6	E	2	m	•	bc.b	•	48	32	-
	Belfort	29.46	29	WSW	2	s	29.30	-.01	29	28	0	WSW	3	m	*	s	•	33	28	0.16
	Lyons	29.60	32	S	1	s	?29.52		?32	?32		S	1	s	•	s	•	34	31	0.08
	Nice	29.46	?	SW	?	?	?	?	36	29	0	?	1	bc	2	bc	•	48	34	-
	Perpignan	29.70	42	NW	3	b	29.78	+.23	33	32	-4	SW	2	c	•	b	•	44	31	0.08
	Biarritz	29.73	44	SW	5	r	29.66	-.09	39	35	-7	E	3	o	2	r	•	50	36	0.16
Span. Pen.	Corunna																*			
	Lisbon	29.49	53	SSE	6	r	29.34	-.65	45	44	-1	E	3	r	•	r	•	54	45	1.18
	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

FOR Wednesday, 31st January, 1900

BAROMETER, WIND AND SEA.

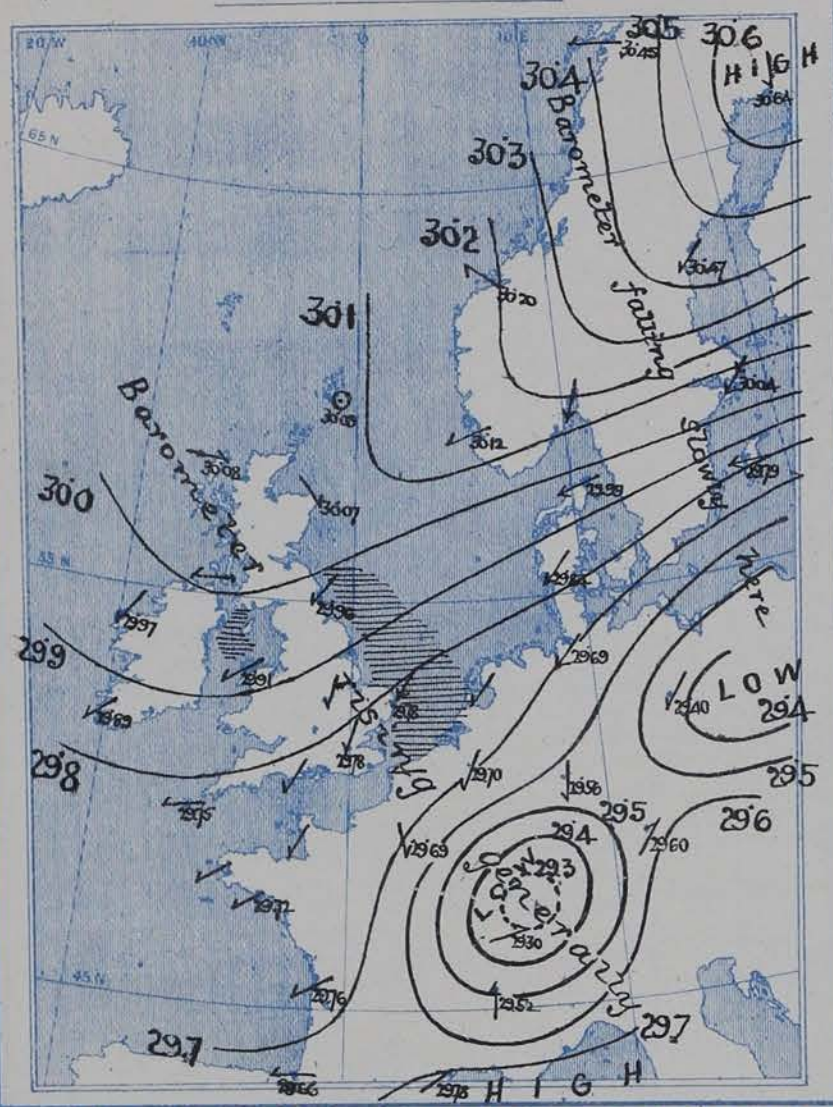
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show 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* ▓

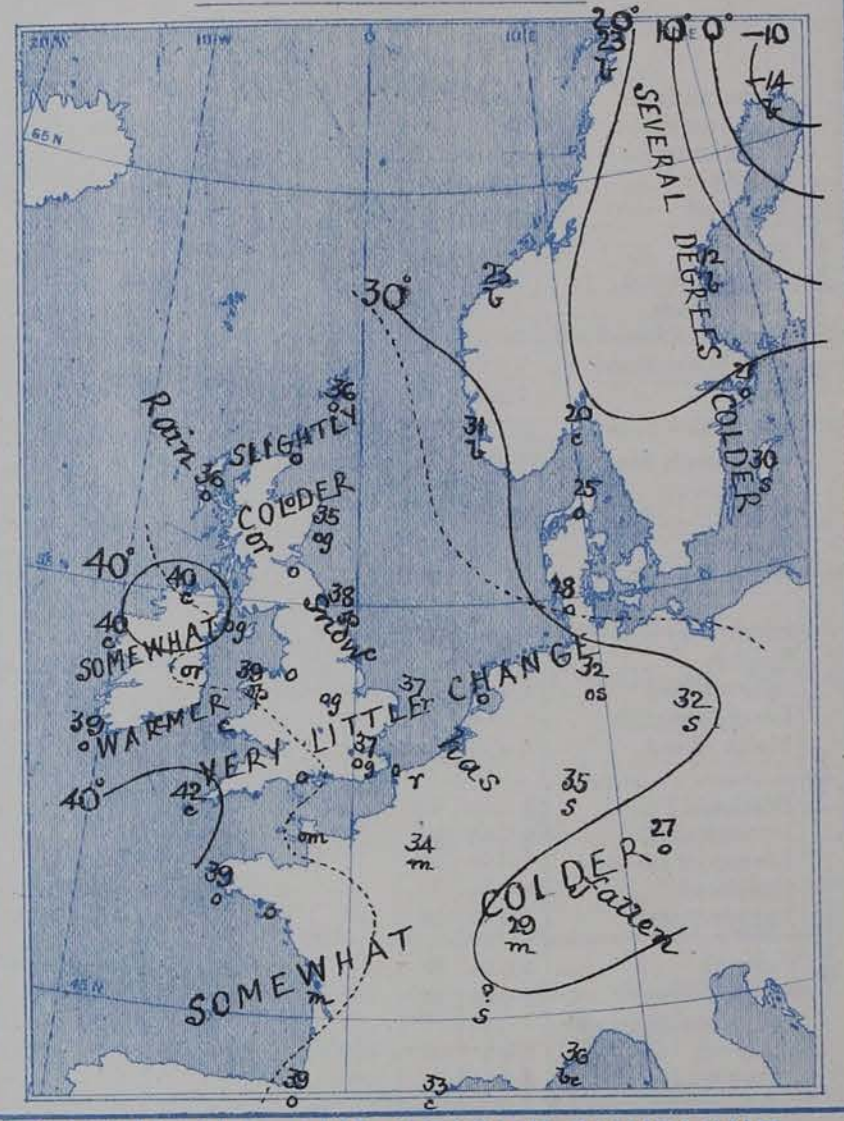


TEMPERATURE AND WEATHER.

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	14	1881	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	29·930	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, 30·64 in: at Haparanda, and exceeding 30·0 in: over all the northern parts of Scandinavia; 30·0 in: and more over Scotland also.
Lowest, 29·4 in: and less, over Central Europe and 29·3 in: and less in a deep secondary system near Brest.
Gradients steep over France, rather so over Germany, slight elsewhere.
Barometer falling over Germany and the Baltic, rising over England.

TEMPERATURE

Highest, 42° at Scilly and Jersey, 40° at Malin Head and Donaghadee, 39° at Dungeness.
Lowest, (1) −14° F. at Haparanda, +12° at Haparanda, 21° at Stockholm; (2) 27° at Munich, 29° at Belfort, 33° at Lapinjaur.
The maximum readings recorded yesterday exceeded 40° all over our Islands and touched 47° at Scilly. Over Germany, the Baltic and London it is falling fast this morning.

WIND

(1) E. to N., strong to a gale, over the Baltic and Eastern shores of the North Sea; (2) NE., light to fresh, in our Islands; (3) SW. in the south of France and at Munich.

WEATHER

(1) Dull and unsettled, with snow, over Germany and the Baltic; dull to fair over our Islands, with slight cold showers occasionally. The rainfall has been slight in the north and east, none in the west.
Bright Sunshine yesterday was 7 hours at Valencia, 3 hours at Parsonstown, 0·3 hr at Aberdeen, none over England.

SEA

High over the Baltic, rough on our east coast

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of cold cloudy weather is probable over Great Britain, fair weather in Ireland.

FORECASTS

For the 24 hours ending at NOON on 1ST FEBRUARY, 1900

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. to E. winds, and variable; fair, perhaps rainy later.
1 SCOTLAND EAST	
2 ENGLAND N.E.	NE. winds, fresh; cold, some showers.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	NE. winds, moderate; cold, damp, dull.
6 SCOTLAND WEST	Same as Nos 0 and 1.
7 ENGLAND N.W.	NE. winds, moderate; fair as a whole, but slight local showers.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED AT PRESENT.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·12	36	34	E	1	b	1
Sumburgh Head	30·09	39	37	NE	2	o	4
Stornoway... ...	30·07	41	35	ESE	2	o	2
Aberdeen	30·04	36	35	E	6	o g q r	6
Shields	29·88	39	38	NE	5	o r	4
Malin Head ...	29·95	40	37	ENE	5	c	4
Blacksod Pt.. ...	29·90	41	38	NE	4	bc	3
Holyhead	29·85	39	37	NE	3	c	3
Valencia	29·80	42	35	ENE	4	b	4
Scilly	29·73	45	41	ENE	3	c	3
Jersey	29·67	43	40	NNE	4	o	3
Portland Bill ...	29·72	39	37	NNE	2	c	3
Dungeness ...	29·61	39	38	NNE	4	o	4
London (Westminster)	29·66	40	37	N	5	o	*
Yarmouth ...	29·65	38	37	NE	6	r	6
Rochefort ...	29·71	45	41	NNE	4	bc	*

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

Weather in morning fine and bright over Iceland, Norway, and Lapland, dull elsewhere; fog, rain, and snow in several part of Central Europe, the Baltic, the North Sea, and the eastern parts of Great Britain, rain and snow very general over France. Rain or snow later in all parts of the Continent and in the north and east of Great Britain, but up to the present, no heavy falls reported.

Temperature in morning highest 57° at Malta, 53° at Oran, 47° at Naples, 46° at Biarritz; 43° at Scilly, 41° at Jersey, 40° at Holyhead and Malin Head. Lowest (1) −3° at Haparanda, +7° at Moscow and 9° at Kharkov; (2) 28° at Munich, 33° at Breslau and Munster; (3) 31° at Parsonstown, 34° at Loughborough. Rising to 40° and more all over the British Islands later, to 50° at Biarritz

Wind (1) light to moderate, and anticyclonic over northern Europe, Scotland, and Ireland, S[3] in the southwest of Spain, SE[3] over Central Russia; (2) Cyclonic elsewhere, as a whole, E[3] and fresh to strong over the Baltic and North Sea. N[3], moderate to fresh, over France, SW[3] to S[3] over Italy and the Adriatic (a moderate gale at Lesina) S[3] over the south of Austria and Russia. Strong NW[3] over Algeria and Tunis.

Barometer highest (1) 30·5 in: and more over Lapland and the northern part of the Gulf of Bothnia; 30·0 in: and more over Scotland, 29·8 in: and more over Ireland; (2) 29·9 in: and more to 29·8 in: over the southern part of Portugal and Spain and over Algeria; (3) 30·4 in: and more to 30·0 in: over Russia. Lowest 29·3 in: and less, in a depression over Central Europe and in another over the northeastern part of the Mediterranean. The depression over Central Europe moving northeastwards later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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REPORTS FOR JANUARY, 1900.

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY (continued).

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING.									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.
20	Azores (P. Delgada)	30·17	61	SSE	5	c	30·10	-·13	62	60	+ 1	SSE	5	o	6	c	-	64	59	-
21	The Helder	30·22	39	WSW	2	b	30·32	+·24	30	-	- 11	SSW	1	m	1	b	-	43	28	-
"	Lisbon	30·52	49	NNE	4	b	30·52	-·01	39	38	- 1	NNE	4	b	-	r	-	54	39	-
22	The Helder	30·00	36	S	2	r	29·95	-·37	42	-	+ 12	W	3	o	4	o	-	45	28	0·32
"	Coruna	30·40	57	SE	3	o	30·49	-	57	52	-	SSW	2	o	5	o	-	57	50	-
"	Azores (P. Delgada)	30·23	59	NNW	1	bc	30·30	+·28	56	55	- 5	NNW	2	c	3	bc	-	68	54	-
23	Coruna	30·44	61	SSW	2	c	30·40	-·09	50	48	- 7	SW	1	r	5	c	-	61	46	-
24	The Helder	29·99	45	SW	4	c	29·87	-·04	43	-	- 3	SSW	3	o	2	c	-	48	43	-
"	Perpignan	30·23	58	NW	3	b	30·23	-·02	52	-	- 4	NW	3	o	1	b	-	63	52	-
"	Coruna	30·39	56	SW	3	r	30·36	-·04	51	55	+ 7	SW	4	o	5	r	-	59	50	-
"	Lisbon	30·43	55	N	4	c	30·45	·00	53	51	+ 7	N	4	c	1	c	-	59	46	-
25	Coruna	30·47	57	NNW	3	c	30·59	+·23	51	49	- 6	SW	1	r	5	c	-	59	46	0·39
26	The Helder	30·18	44	NNW	?	bc	30·15	+·28	43	-	0	SW	2	o	2	b	-	45	43	-
"	Perpignan	30·44	51	NW	3	b	30·48	+·02	48	-	- 4	NW	3	o	1	b	-	59	46	-
"	Coruna	30·59	54	N	3	b	30·48	-·11	41	39	- 10	E	1	c	5	b	-	55	37	-
27	Coruna	30·47	56	NW	3	r	30·44	-·04	54	51	+ 13	NW	3	o	5	r	-	59	41	-
28	The Helder	29·42	37	SSE	2	c	29·24	-·41	35	-	- 6	ENE	2	o	2	c	-	43	34	0·16
29	Blacksod	29·96	44	N	6	bc	30·09	+·42	40	37	- 4	NNW	3	bc	3	bc	-	45	37	0·11
"	Brussels	-	-	-	-	-	29·53	+·29	32	31	- 1	NNE	6	s	-	c	-	36	31	0·16
"	Coruna	29·77	54	NW	8	r	29·86	-·15	49	46	- 3	NNW	8	o	5	r	-	55	45	0·08
30	Coruna	29·97	49	N	8	c	29·86	·00	36	34	- 13	E	1	c	5	c	-	?	?	0·04
31	Coruna	29·62	49	SE	3	o	29·43	-·43	45	43	+ 9	SE	1	r	2	o	-	50	36	0·16
"	Azores (P. Delgada)	30·04	48	NNW	6	bc	29·98	-·23	50	44	- 4	NNW	5	c	4	bc	-	59	45	0·16

2. CORRECTIONS.

1	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·01
2	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-
4	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·19
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·04
6	Portland Bill	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	32	-
7	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
"	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-
"	Jersey	29·94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Portland Bill	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-
-	Dungeness	-	-	-	-	-	29·69	-·40	-	-	-	-	-	-	-	-	-	-	-	-
8	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·10
9	Blacksod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
10	Nairn	-	-	-	-	-	-	-	39	36	+ 4	-	-	-	-	-	-	-	-	-
11	The Scaw	29·93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·05
"	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	TY	-	-	-	-	-	-
12	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·05
13	Stockholm	-	-	-	-	-	30·53	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·86
16	Dungeness	-	-	-	-	-	29·52	-·20	-	-	-	-	-	-	-	-	-	-	-	-
-	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·15
18	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·12
"	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2·8	-	-	-
19	Wick	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·08
20	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·08
21	Shields	-	-	-	-	-	30·04	+·05	-	-	-	-	-	-	-	-	-	-	-	-
22	Blacksod	-	-	-	-	-	29·86	+·19	-	-	-	-	-	-	-	-	-	-	-	-
"	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?28	-
23	Loughborough	29·98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·03
27	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·09
28	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·0	-	-	-
31	Belfort	-	-	-	-	-	29·66	+·35	-	-	-	-	-	-	-	-	-	-	-	-
"	Lyons	-	-	-	-	-	29·72	+·27	-	-	-	-	-	-	-	-	-	-	-	-

ADDITIONS AND CORRECTIONS TO THE

I. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING.									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	Scilly	29.57	50	SSE	6	c	29.644	+.17	53	52	+9	SSE	6	c	4	c	1.1	53	43	0.07
"	Perpignan	29.94	58	SE	3	c	30.02	-	54	-	-	SE	2	c	-	-	-	69	48	-
"	Corunna	29.73	53	SW	4	c	29.66	-	52	50	-	S	2	c	5	-	-	57	48	-
"	Scilly 2pm	-	-	-	-	-	29.64	-	53	52	-	SE	6	c	4	-	-	-	-	-
2	Scilly	29.54	53	S	4	r	29.39	-.25	48	47	-5	S	5	c	4	r	1.1	54	47	0.71
"	Perpignan	29.97	56	E	2	c	29.78	-.24	57	-	+3	SE	3	c	-	-	-	59	54	0.04
"	Corunna	29.58	50	NW	3	r	29.82	+.16	47	44	-5	SW	3	c	5	r	-	52	43	0.63
"	Scilly 2pm	-	-	-	-	-	29.81	-	53	51	-	SSW	5	c	4	-	-	-	-	-
3	The Scaw	29.99	35	ESE	2	m	29.74	-.29	33	33	-1	ESE	4	c	1	m	-	37	32	0.08
"	Scilly	29.28	47	SSW	5	c	29.21	-.18	48	46	0	NW	5	c	5	c	4.9	54	44	0.35
"	The Helder	29.59	46	SSE	1	r	29.52	-.24	40	-	+1	S	1	r	1	r	-	46	39	0.32
"	Nice	30.11	52	E	0	r	29.91	-.15	54	-	+4	E	2	c	4	r	-	57	50	0.95
"	Corunna	29.81	54	W	3	b	29.62	-.20	46	43	-1	SW	4	c	5	b	-	55	41	?
"	Scilly 2pm	-	-	-	-	-	29.35	-	50	47	-	NW	5	c	4	-	-	-	-	-
4	Skagen	29.62	34	E	4	c	29.70	-.04	31	31	-2	ESE	3	c	0	c	-	36	30	0.20
"	Scilly	29.42	48	NW	4	c	29.70	+.49	46	44	-2	NNE	6	c	4	c	5.0	51	43	0.11
"	Corunna	29.58	50	WNW	3	o	29.82	+.20	39	37	-7	SSW	1	c	6	c	-	52	36	0.16
"	Scilly 2pm	-	-	-	-	-	29.78	-	45	43	-	NNW	6	c	4	-	-	-	-	-
5	The Scaw	29.93	25	E	6	o	30.06	+.36	23	23	-8	ENE	4	c	1	o	-	32	21	0.16
"	Scilly	29.81	43	N	7	c	29.93	+.23	44	40	-2	NNE	4	c	3	c	2.1	48	39	0.09
"	The Helder	29.54	40	NW	2	b	29.76	+.31	40	39	+1	NNE	2	c	1	b	-	43	37	0.08
"	Perpignan	29.71	47	S	-	o	29.80	+.05	37	35	-7	W	2	bc	-	o	-	54	35	-
"	Corunna	29.82	56	WSW	3	o	29.98	+.16	50	48	+11	WSW	5	c	5	o	-	54	39	0.16
"	Scilly 2pm	-	-	-	-	-	29.94	-	45	41	-	E	2	c	3	-	-	-	-	-
6	The Scaw	30.24	22	E	2	o	30.32	+.26	22	21	-1	SE	1	c	0	o	-	23	19	-
"	Cape Gris Nez	29.90	43	ENE	3	o	30.04	+.26	38	-	-4	S	2	c	1	o	-	46	?	0.35
"	Scilly	29.96	43	ESE	1	o	29.82	-.09	48	46	+4	S	6	bc	3	c.o	1.8	48	40	0.07
"	Lisbon	30.08	47	N	4	b	30.21	+.33	47	43	+1	N	4	c	-	b	-	54	46	-
"	Scilly 2pm	-	-	-	-	-	29.73	-	53	52	-	WNW	8	c	4	-	-	-	-	-
7	Scilly	29.63	52	WNW	5	m	29.96	+.12	48	45	0	NW	5	c	4	m	0.0	54	43	2.75
8	Scilly	30.16	48	NW	5	c	30.25	+.29	52	50	+4	WSW	5	c	4	c	5.2	52	45	0.03
"	The Helder	29.94	35	SE	1	m	30.07	+.19	39	-	+5	SW	1	o	-	m	-	39	34	-
"	Corunna	30.40	55	NW	5	b	30.57	-	43	41	-	NNW	1	c	6	b	-	55	39	-
"	Azores (P. Delgada)	30.50	59	SSE	4	o	30.45	-.04	59	54	+2	SE	5	c	4	c	-	63	55	-
"	Scilly 2pm	-	-	-	-	-	30.29	-	53	50	-	W	5	c	4	-	-	-	-	-
9	Scilly	30.24	50	WSW	5	-	30.26	+.01	50	46	-2	NW	5	c	4	-	1.2	54	46	0.04
"	The Helder	30.06	42	NW	1	-	29.92	-.15	44	-	+5	WSW	3	c	4	-	-	45	39	0.12
"	Corunna	30.60	54	NNW	1	-	30.53	-.04	41	39	-2	NNW	1	c	3	-	-	55	37	-
"	Azores (P. Delgada)	30.41	54	SE	5	-	30.32	-.13	39	37	0	SE	5	c	4	-	-	63	57	-
"	Scilly 2pm	-	-	-	-	-	30.30	-	49	46	-	NNW	5	c	3	-	-	-	-	-
10	Scilly	30.32	48	NNW	5	c	30.41	+.15	48	46	-2	NNW	5	c	4	-	4.3	53	45	0.61
"	The Helder	30.01	42	NNW	3	c	29.91	-.01	39	-	-5	NNW	3	c	3	-	-	45	37	-
"	Corunna	30.48	55	NNW	1	o	30.57	+.04	49	47	+8	SSW	1	c	5	-	-	55	41	0.04
"	Lisbon	30.45	48	N	4	b	30.47	-.02	43	39	+1	NNE	4	c	5	-	-	55	41	-
"	Scilly 2pm	-	-	-	-	-	30.44	-	49	46	-	NW	5	c	4	-	-	-	-	-
11	The Helder	30.11	44	NW	6	bc	30.32	+.41	40	-	+1	N	2	c	3	-	-	45	37	-
"	Corunna	30.56	55	NNE	3	b	30.56	-.01	40	38	-9	NE	3	c	3	-	-	55	36	-
12	The Helder	30.35	57	NE	1	c	30.42	+.10	35	-	-5	NE	2	c	2	-	-	43	32	-
"	Perpignan	30.29	43	NW	5	c	30.22	+.01	41	-	0	NW	4	bc	-	-	-	46	30	-
13	Corunna	30.45	51	N	3	c	30.29	-	48	46	-	N	1	c	3	-	-	54	45	0.08
"	Lisbon	30.32	51	NNW	4	c	30.27	-.12	50	47	+4	NNE	2	c	1	-	-	55	46	-
"	Azores (P. Delgada)	30.27	61	SE	4	o	30.34	+.11	60	58	-1	?	?	c	5	-	-	64	59	-
15	The Helder	30.06	25	SSE	1	o	29.80	-.36	26	?	+1	S	2	c	1	-	-	28	25	-
"	Brussels	-	-	-	-	-	29.91	-.26	23	-	-4	SSW	4	c	0	-	-	29	21	-
"	Corunna	30.09	52	NW	4	c	30.10	-.03	48	47	-4	SW	3	c	5	-	-	52	?	0.08
"	Lisbon	30.16	50	NNW	3	o	30.23	+.05	49	47	-2	N	3	c	2	-	-	57	48	-
"	Azores (P. Delgada)	30.47	54	NNW	3	o	30.47	+.02	54	50	0	NNW	4	bc	-	-	-	63	50	-
16	Wiesbaden	-	-	-	-	-	29.69	-.85	29	-	+10	SE	1	c	-	-	-	29	19	-
"	Nice	29.96	41	E	1	c	29.95	+.07	39	-	+4	E	3	c	2	-	-	48	35	-
"	Lisbon	30.30	52	NNW	2	c	30.34	+.11	53	52	+4	SW	2	c	-	-	-	57	49	-
"	Azores (P. Delgada)	30.45	56	WNW	1	c	30.42	-.05	59	55	+5	SSW	4	c	3	-	-	63	54	-
17	The Helder	29.54	37	SSW	1	o	29.63	+.12	38	-	-1	SW	2	c	2	-	-	41	34	-
"	Corunna	30.20	57	WSW	6	o	30.25	-	55	53	-	SW	4	c	?	-	-	59	52	0.04
"	Lisbon	30.43	54	NNW	3	o	30.47	+.13	53	51	0	WNW	2	c	-	-	-	59	52	-
"	Azores (P. Delgada)	30.43	60	SSW	5	o	30.47	+.05	59	56	0	W	1	c	3	-	-	61	57	-
18	The Helder	29.44	36	SE	1	r	29.53	-.10	39	-	-1	W	5	c	4	-	-	43	34	0.24
"	Belfort	29.78	48	SW	6	r	29.74	-.16	37	-	-3	W	4	c	-	-	-	49	37	-
"	Corunna	30.21	57	SW	5	o	30.48	+.23	52	48	-3	NNW	6	c	4	-	-	61	48	0.32
19	The Helder	29.84	40	N	4	o	30.25	+.72	35	-	-4	S	1	c	6	-	-	43	35	-
"	Corunna	30.59	54	NNW	3	o	30.56	+.08	39	37	-13	E	3	c	3	-	-	54	34	-
20	The Helder	30.08	41	S	5	o	30.08	-.17	41	-	+6	NSW	2	c	3	-	-	43	34	0.43
"	Brussels	-	-	-	-	-	30.24	-.10	42	-	+6	NSW	2	c	-	-	-	42	34	0.20
"	Lorient	30.39	?	NW	5	o	30.32	-.13	51	-	+3	NSW	5	c	5	-	-	52	46	0.04
"	Corunna	30.57	52	E	1	o	30.49	-.07	43	38	+4	E	3	c	3	-	-	54	37	-
"	Lisbon	30.17	61	SSE	5	c	30.10	-.13	62	60	+1	SSE	5	c	6	-	-	64	59	-